TARIFF PETITION

FOR

TRUING-UP FOR FY 2022-23

AND ANNUAL PERFORMANCE REVIEW FOR FY 2023-24

FROM

2X120 MW UNIT 2 AND UNIT 3 AT JOJOBERA POWER PLANT, JAMSHEDPUR

SUBMITTED BEFORE

HON'BLE JHARKHAND STATE ELECTRICITY REGULATORY COMMISSION



NOVEMBER 2023

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BEFORE THE JHARKHAND STATE ELECTRICITY REGULATORY COMMISSION

Filing No……..

Case (Tariff) No. ……. of 2023

IN THE MATTER OF:

The Tata Power Company Limited ……Petitioner

(hereinafter referred to as "Tata Power")

Jojobera Power Plant, Jamshedpur,

Jharkhand - 831016 having its registered office

At Bombay House 24, Homi Mody Street

Mumbai - 400 001, India

And

IN THE MATTER OF:

Tata Steel Limited …….Respondent

(hereinafter referred to as "Tata Steel Distribution Licensee")

Bistupur Post, Burma Road, 191,

Outer Circle Road, Burma Mines, Jamshedpur,

Jharkhand - 831 001

And

IN THE MATTER OF: Petition for Truing-up of FY 2022-23 and Annual Performance Review (APR) for the year FY 2023-24 under section 61, 62, 64 and 86 of the Electricity Act 2003 in accordance with JSERC (Terms and Conditions for Determination of Generation Tariff) Regulations, 2020 [hereinafter referred to as 'GTR 2020' or 'Generation Tariff Regulations 2020'] along with JSERC (Terms and Conditions for Determination of Generation Tariff) (First Amendment) Regulations, 2023 [GTR (1st Amendment) 2023] and read with JSERC (Conduct of Business) Regulations, 2017 for sale of electricity from Unit # 2 & 3 (2x120 MW) of Jojobera Power Plant of the Petitioner - The Tata Power Co. Ltd. to Tata Steel Limited, a Long-Term beneficiary and Distribution Licensee.

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A. BACKGROUND AND PRESENT PETITION

1. The Tata Power Company Limited. (hereinafter referred to as "Tata Power" or "The Company" or "Petitioner") submits that it operates two Units (Unit 2 and Unit 3) of 120 MW each of Jojobera Power Plant ('JPP'), Jamshedpur which supply electricity to Tata Steel Limited (hereinafter referred to as "Tata Steel" or "Distribution Licensee" or "Long-term Beneficiary") i.e. Respondent herein. Tata Power had filed the following Petitions with the Hon'ble Jharkhand State Electricity Regulatory Commission ("Hon'ble JSERC", hereinafter referred to as the "Hon'ble Commission"):

Sl.	Petition	Date
1	Aggregate Revenue Required ("ARR") and Tariff Petition for FY 2007-08	16.05.2007
2	ARR and Tariff Petition for FY 2008-09	08.09.2008
3	ARR and Tariff Petition for FY 2009-10	24.02.2009
4	ARR and Tariff Petition for FY 2010-11	20.03.2010
5	ARR and Tariff Petition for FY 2011-12	05.04.2011
6	Multi Year Tariff (**"MYT"**) Business Plan for the 1st Control Period from FY 2012-13 to FY 2015-16	03.12.2011
7	MYT Petition for the 1st Control Period from FY 2012-13 to FY 2015-16	16.01.2012
8	Annual Performance Review ("APR") Petition for FY 2012-13	30.03.2013
9	Annual Performance Review ("APR") Petition for FY 2013-14	28.08.2014
10	Annual Performance Review ("APR") Petition for FY 2015-16	29.02.2016
11	Multi Year Tariff (**"MYT"**) Business Plan for the 2nd Control Period from FY 2016-17 to FY 2020-21	28.10.2016
12	MYT Petition for the 2nd Control Period from FY 2016-17 to FY 2020-21	11.04.2017
13	Flue Gas Desulphurization ("**FGD**") Plant Installation Petition	05.09.2018
14	Annual Performance Review Petition for FY 2017-18 including Truing-up of FY 2016-17	01.10.2018
15	Mid-Term Review ("**MTR**") Petition for approval of revised ARR for FY 2019-20 & FY 2020-21 along with True-up of FY 2017-18 APR of FY 2018-19	07.01.2019
16	Petition for Recovery of Water Charges (Case No. 04 of 2009)	19.03.2019
17	True Up Petition for FY2018-19 & APR Petition for FY 2019-20	26.12.2019
18	Flue Gas Desulphurization ("**FGD**") Plant Installation Petition	01.07.2020
19	Multi Year Tariff (**MYT**) Petition for FY 2022-26 including True Up for FY 2019-20 & APR for FY 2020-21	01.12.2020
20	True Up Petition for FY2020-21 & APR Petition for FY 2021-22	30.11.2021
21	True Up Petition for FY2021-22 & APR Petition for FY 2022-23	30.11.2022
22	Petition for Review of MYT Order dated 4.11.2022	6.12.2022

A.1 MYT PETITION FOR FY 2021-22 TO FY 2025-26 AND TRUING UP PETITIONS FOR FY 2019-20, FY 2020-21

2. Tata Power filed MYT Petition on 01.12.2020 for approval of the Multi Year Tariff for 3rd Control Period FY 2021-22 to FY 2025-26 and True-up for the year 2019-20. Subsequent thereto, the Hon'ble Commission vide its Order dated 04.11.2022 disposed of the said Petition and approved MYT Business Plan and Tariff for 3rd Control Period alongwith True-up for the 2019-20.
3. The Petitioner has filed the Petition for review of the Order dated 04.11.2022. The same is under consideration of the Hon'ble Commission.
4. Petition for true-up for FY 2020-21 was filed along with the Annual Performance Review ("APR") Petition for FY 2021-22. The Petition was disposed of by the Hon'ble Commission vide its Order dated 22.05.2023, approving the trued up tariff for FY 2020-21. The Hon'ble Commission, however, decided not to carry out the APR for FY 2021-22 citing the considerable lapsed time and that the Petitioner had already filed truing-up Petition for FY 2021-22 based on an audited account on 30.11.2022 alongwith APR for FY 2022-23 which is also under active consideration of the Hon'ble Commission.
5. The following matters are pending adjudication before Hon'ble APTEL against various petitions/Tariff orders for previous years (collectively referred to as Pending Matters).

Forum	Number	Brief Description
APTEL	Appeal No. 274 of 2019	Appeal under section 111 of Electricity Act 2003 challenging the legality, validity and propriety of Order dated 19.02.2018 passed by the Hon'ble JSERC in Case No. 16 of 2016 and in Case No. 05 of 2017 along with order dated 09.01.2019 passed in Review Petition being Case No. 06 of 2018.
APTEL	Appeal No. 419 of 2022	Appeal under section 111 of Electricity Act 2003 challenging the legality, validity and propriety of Order dated 27.12.2019 passed by the Hon'ble JSERC in Case (Tariff) No. 05 of 2018.
APTEL	Appeal No. 146 of 2020	Appeal under section 111 of Electricity Act 2003 challenging the legality, validity and propriety of Order dated 14.02.2020 passed by the Hon'ble JSERC in Case (Tariff) No. 01 of 2019.
APTEL	Appeal No. 246 of 2020	Appeal under section 111 of Electricity Act 2003 challenging the legality, validity and propriety of Order dated 09.09.2019 passed by the Hon'ble JSERC in Case (Tariff) No. 09 of 2019.
APTEL	Appeal No. 312 of 2023	Appeal under section 111 of Electricity Act 2003 challenging the legality, validity and propriety of Order dated 04.11.2022 passed by the Hon'ble JSERC in Case (Tariff) No. 10 of 2020.
APTEL	Appeal No. 590 of 2023	Appeal under section 111 of Electricity Act 2003 challenging the legality, validity and propriety of Order dated 22.05.2023 passed by the Hon'ble JSERC in Case (Tariff) No. 06 of 2022.

6. The Petitioner wishes to submit that in the event that any of above pending matters is decided before the issuance of Tariff for the present Petition, the Hon'ble Commission is requested to consider/implement the outcome of the same in true-up tariff order for FY 2021-22 which is pending before the Hon'ble Commission or for subsequent years as applicable. In the event of order(s) being declared after the issuance of the said tariff order, it is submitted that the impact of the same be allowed as soon as possible. This suggested approach as stated above shall be in Petitioner's and in the Purchaser's interest since it will avoid any delays caused in giving timely effect to Judgement(s) of the Hon'ble Commission/superior court and reduction in grant of carrying costs to Tata Power or Tata Steel.

7. The Petitioner had also filed a Writ Petition bearing no. WPS/5155/2021 before Hon'ble High Court of Ranchi against certain provisions of JSERC (Terms and Conditions for Determination of Generation Tariff) Regulations, 2020 which has been subsequently withdrawn by it as brought out in following paragraph.

8. The Petitioner had also filed a Petition (Case No. 12 of 2023) with the Commission seeking amendment in the JSERC (Terms and Conditions for Determination of Generation Tariff) Regulations, 2020. The Commission, vide Form of Proceedings dated 04.08.2023, observed that there was a requirement of amendment of Regulations which cannot be carried out through an Order. The Commission, accordingly, directed its staff to examine the claims made by the Petitioner and put up the proposal for amendment of the Regulations before the Commission for consideration, duly taking into account the submission of the petitioner in the matter.

9. Subsequently, during the pendency of the Writ Petition No. WPS/5155/2021, the Petitioner filed an Interlocutory Application (I.A.) No. 4799 of 2023 for withdrawal of the writ application with a prayer to grant liberty to file a fresh writ application if the cause of action survives or any further cause of action arises in future. Accordingly, vide order dated 01.11.2023, the Hon'ble High Court allowed the

withdrawal of the Writ Petition with the liberty as per the prayer of the Petitioner as stated above.

10. The Hon'ble Commission, vide Notification dated 03.11.2023, issued Amendments to Generation Tariff Regulations 2020. Accordingly, the Petitioner, vide letter dated 20.11.2023, submitted to the Hon'ble Commission, request for issuance of Orders in the Petitions pending before the Commission in respect of review of the Order dated 04.11.2022 and truing up of tariff for FY 2021-22 in terms of the amended regulations. The Petitioner also requested the Hon'ble Commission to consider the claims in the aforesaid Petitions deemed to be amended to the extent regulations are amended.

A.2 PRESENT PETITION

11. The Petitioner is filing the present petition ("Petition") for determination of Truing-up for FY 2022-23 and APR for FY 2023-24 for the sale of electricity to Tata Steel Limited as "Long-Term Beneficiary" from Unit 2 (120 MW) and Unit 3 (120 MW) of Jojobera Power Plant of Tata Power. For convenience the Petition has been divided into 6 Sections A to F appended herewith.

A.3 PRAYER TO THE HON'BLE COMMISSION

12. Tata Power respectfully prays that this Hon'ble Commission may be pleased to:

(a) Accept the Petition;

(b) Approve the combined Operational, Fuel and Financial Parameters, Additional Capitalization, Annual Revenue Requirement and Generation Tariff for Jojobera Units 2&3 as proposed through Truing-up for 2022-23 and APR for FY 2023-24 proposals enclosed herewith

(c) Grant liberty to the Petitioner to approach Hon'ble Commission at appropriate stage subsequently:

i. for determination of Supplementary Tariff for FGD System to be installed for Units 2 and 3 including compensation for additional capital cost, operational parameter deterioration and O&M/water expenses in accordance with Regulation 14.16 and all other relevant Regulations/provisions under JSERC (Terms and Conditions for Determination of Generation Tariff) Regulations, 2020. It is pertinent to mention here that Jojobera TPP has been classified to be under Category C and date of implementation of FGD System for this Category has been extended by MoEFCC to December 2026.

ii. for approval of Renovation & Modernisation (R&M) Plan for Units 2 and 3 after carrying out RLA Study in upcoming annual shutdowns in Third/Fourth Control Period as the case may be;

iii. for pass through of arrears of Water Charges paid/payable to TSL but not approved/claimed as per Hon'ble Commission's Orders alongwith applicable carrying cost;

iv. for claiming compensation for deterioration in operational parameters due to low PLF;

v. to modify/make additions to the above Capex/Other proposals, if need arises during the proceedings of the present Petition and/or in subsequent True-up/APR Petitions

vi. to seek revision in tariff due to wage revision agreement being reached/or with subsequent Truing-up Petition(s).

(d) Provide an opportunity to the Petitioner to present its case prior to the finalization of the Tariff Order. Tata Power believes that such an approach would provide a fair treatment to all the stakeholders and may eliminate the need for a review or clarification.

(e) Permit the Petitioner to propose suitable changes to the Petition and the mechanism of meeting the revenue on further analysis, prior to the final approval by the Hon'ble Commission;

(f) Condone any inadvertent omissions/errors/rounding-off differences/shortcomings and permit the Petitioner to add/alter this filing and make further submissions as may be required at a future date.

(g) Pass such further and other Orders, as the Hon'ble Commission may deem fit and proper, keeping in view the facts and circumstances of the case.

FOR PETITIONER: THE TATA POWER COMPANY LIMITED

NOTARY PUBLIC
RAJ KUMAR
(ADVOCATE)
Regn No. 5536
Expiry NOV.2027
GOVT OF INDIA

ATTESTED
NOTARY PUBLIC
DELHI (INDIA)

28 NOV 2023

B. INTRODUCTION

B.1 HISTORICAL PERSPECTIVE

13. The Tata Power Company Limited ("Tata Power") is a company incorporated under the Indian Companies Act, (VII of 1913) with its Registered Office at Bombay House, 24, Homi Mody Street, Fort, Mumbai - 400001 and is engaged in the business of electricity Generation, Transmission and Distribution in the country.

14. On 01.04.2000 two companies, viz., The Tata Hydro-Electric Power Supply Company Limited (established in 1910) and The Andhra Valley Power Supply Company Limited (established in 1916) were merged into The Tata Power Company Limited, to form one unified entity. Tata Power is India's largest integrated power company. Tata Steel Limited ("Tata Steel") is India's largest private integrated steel manufacturer. It (Tata Steel) is also one of the Distribution Licensees for supply of power in Jamshedpur as per the provisions of Section 14 of the Electricity Act, 2003 and has been operating the electricity distribution system in its licensed area.
15. Tata Steel is engaged in the production of iron and steel and related activities in Jamshedpur since 1907. In 1991, Tata Steel obtained permission from the Government of Bihar to establish power plants at Jojobera, Jamshedpur through subsidiary company named Jamshedpur Power Company Ltd ("JAPCOL") which was subsequently transferred to Tata Power. Unit 1 of 67.5 MW was commissioned in 1997/98.
16. As part of a strategic understanding to meet the power requirement of Tata Steel as well as the consumers in Jamshedpur (and to exploit relevant expertise of the group company viz. Tata Power), the two parties entered into a Power Purchase Agreement ("PPA") on 12.09.1997. The PPA was signed for 30 years; however, as per the Directive of the Hon'ble Commission in the Tariff Order for FY 2009-10 dated 20.01.2010, the same was revised in line with the Generation Tariff Regulations 2015 and is duly approved by the Hon'ble Commission by Order dated 09.08.2016 post scrutiny and following due legal process. The approved PPA has been signed by the Parties on 21.03.2018. Under the erstwhile PPA of 12.09.1997,

Tata Power and Tata Steel agreed to set up, in phased manner, power plant with total capacity up to 500 MW at Jojobera, Jamshedpur. To meet the increased demand of Jamshedpur Township, Tata Power under the above Agreement, set up two Units of 120 MW, i.e. ,Unit 2 and Unit 3 with a combined capacity of 240 MW in the years 2001 and 2002 respectively.

17. Tata Power has been filing ARR and Tariff petitions before the Hon'ble Jharkhand State Electricity Regulatory Commission for determination of tariff of its Units 2 & 3 of JPP, Jamshedpur. Tata Power filed its first-ever petition for JPP Units 2 & 3 on 16.05.2007 as per the direction of Hon'ble Commission for approval of ARR and determination of tariff for Financial Year 2007-08. Subsequently on 8.09.2008 & 24.02.2009, Tata Power filed its ARR for FY 2008-09 & FY 2009-10 respectively. The above mentioned petitions were filed in accordance with the Power Purchase Agreement (PPA) of 30 years signed with TSL as sanction holder for distribution and generation of electricity in Jamshedpur and the Hon'ble Commission was requested to determine generation tariff for sale of power from both the units as per the provisions of the existing PPA. Hon'ble Commission after following the due legal and regulatory process issued the Tariff Order for all three years on 20.01.2010 in which the provisions of PPA were accepted.
18. For the sake of brevity, Tata Power, herein is not reiterating the details of the series of petitions and subsequent submissions filed before the Hon'ble Commission during FY 2010-11 to FY 2015-16, i.e. till the end of 1st Control Period (2012-13 to 2015-16); the 2nd Control Period from 2016-17 to 2020-21 and MYT Petition for the 3rd Control Period from 2021-22 to 2025-26 as the Hon'ble Commission has been presented with all material and documents relying upon which it has passed the orders for ARR and determined the tariff for the mentioned financial years.

B.2 DETAILS OF UNIT 2 & 3 COVERED UNDER PRESENT PETITION

19. The industrial development and growth in electricity demand of Steel Works and Jamshedpur Township required Tata Power to expand the generating capacity at Jojobera. The Unit 2 and Unit 3 were two Units of 120 MW each as Coal-based plants installed to meet this demand. The Techno-Economic Clearance ("TEC") of

the Project was obtained from the Ministry of Power ("MoP"), Government of India, Government of Bihar and the Central Electricity Authority ("CEA"). The details of the Jojobera Unit 2 & Unit 3 are given below:

Table1:Details of Jojobera Unit # 2 & 3

Details	Unit 2	Unit 3
Capacity	120 MW	120 MW
Primary Fuel	Coal	Coal
Secondary Fuel	Light Diesel Oil	Light Diesel Oil
Commercial Operation Date	01.02.2001	01.02.2002

C. OVERALL APPROACH TO FILING

C.1 PROVISIONS OF ELECTRICITY ACT, 2003

20. The Electricity Act, 2003 (hereinafter referred to as the "Act") provides for approval of Tariff for sale of electricity by a Generating Company to a Distribution Licensee by the respective State Electricity Regulatory Commissions, under Sections 62, 86 and other applicable provisions.

Section 62 of the Act states the following:

"Section 62. (Determination of tariff): --- *(1) The Appropriate Commission shall determine the tariff in accordance with the provisions of this Act for –*
(a) supply of electricity by a generating company to a distribution licensee..."
Further, Section 86 of the Act states following:
"(1) The State Commission shall discharge the following functions, namely:
(a) Determine the tariff for generation, supply, transmission and wheeling of electricity, wholesale, bulk or retail, as the case may be, within the State: ……
(b) regulate electricity purchase and procurement process of distribution licensees including the price at which electricity shall be procured from the generating companies or licensees or from other sources through agreements for purchase of power for distribution and supply within the State;"

C.2 GENERATION TARIFF REGULATIONS 2020

21. Further, the JSERC (Terms and Conditions for Determination of Generation Tariff) Regulations, 2020 and its amendments till date are applicable during the Control Period FY 2021-22 to FY 2025-26 with FY 2020-21 as the Base Year and provides following with respect to filing of Truing-up petition and APR petition for any financial year within the Control Period.

A7. Truing Up

7.1 The Generating Company shall submit the Petition for truing

*up for each year ofthe Control Period on the basis of annul Audited Accounts as per the timelines stipulated in **Section A 39**.*

7.2 Where after the truing up, the revenue recovered exceeds the trued-up value approved by the Commission under these Regulations, the Generating Company shall refund to the Beneficiaries, the surplus amount so recovered as specified in Clause 7.4 of these Regulations.

7.3 Where after the truing up, the revenue recovered is less than the trued-up value approved by the Commission under these Regulations, the Generating Company shall recover from the Beneficiaries, the gap amount in accordance with Clause 7.4of these Regulations.

7.4 The amount under-recovered or over-recovered, along with simple interest at the rate equal to Bank Rate as on April 01 of the respective year plus 350 basis points, shall be recovered or refunded by the Generating Company in six equal monthly instalments starting within three months from the date of the Tariff Order issued bythe Commission:

*Provided that no carrying cost on the duration of delay shall be allowed on unrecovered gap if the Generating Company fails to submit the Petition as per timelines stipulated in **Section A 39**:*

Provided further that any adverse financial impact on account of variation in uncontrollable items due to lapse on part of the Generating Company or its suppliers/contractors shall not be allowed in truing up.

A 8. Annual Performance Review (APR)

8.1 The Generating Company shall file APR Petition, for Annual Performance Review along with details of capital expenditure, additional capitalization, sources of financing, operations and maintenance expenditure, actual loan portfolio with the interest paid, along with other components of ARR incurred/projected to be incurred for the year under review, as per timelines stipulated in Section A 39 of these Regulations.

8.2 The Generating Company along with Annual Performance Review petition, shall also claim revised ARR for the following year based on the truing up and annual performance review of previous year/s.

8.3 The Scope of the Annual Performance Review shall be comparison of the approved expenses vis-à-vis revised estimates for the year/sand shall comprise the following:-

a) Comparison of Performance Targets vis-a-vis revised estimates based on the latest actual data available;

b) Comparison of Approved Capital Expenditure and Capitalisation vis-à-vis revised estimates by the Generating Company based on the latest actual data available;

c) Comparison of Other Expenses such as Interest on Loan, Interest on Working Capital, Return on Equity, Depreciation and O&M Expenses approved by the Commission vis-à-vis the revised estimates by the Generating Company based on the latest actual data available;

d) Computation of the sharing of gains and losses on account of controllable factors for the previous year;

e) Approved Revenue vis-à-vis revised estimates based on the latest actual data available;

f) Any other Expenses/Revenues impacting ARR.

22. The key aspects of the approach to the current filing are discussed in the following Sections.

C.3 APPROACH TO TRUING-UP FOR FY 2022-23

23. In terms of the principles stipulated in GTR 2020 and 1st Amendment to GTR 2020, the actual Operational and Financial Performance for FY 2022-23 Unit wise and combined for both the Units 2&3 have been presented in this Petition along with the Audited Accounts for the purpose of Truing-up. The actual Operational and Financial Performance from April 2022 to March 2023 has been considered for the purpose of Truing-up of FY 2022-23.

24. With regard to Additional Capitalization/Decapitalization vis-à-vis the projections approved by the Hon'ble Commission for FY 22-26, it is humbly submitted that the Petitioner has revised the phasing of the approved schemes considering the actual capitalizations as reflected in books of Accounts for year ending March'23 including the capitalization of spill over schemes of the last (2nd) Control Period, the current status of implementation of approved schemes and in view of the necessity of certain new schemes on account of safety of the people/plant and for the reasons which are beyond the control of the Petitioner. It is most humbly submitted that the sole purpose of such revised estimate is to project a more realistic picture of the present and future Capitalizations of Unit 2 & Unit 3 for FY 2023-24 and thereafter. The same is discussed in detail in **Section D.**
25. Further, variations as observed on certain parameters with respect to the MYT Order have been discussed in detail under **Section D** of the instant Petition.
26. It is noteworthy to mention here that Jojobera Units 2&3 supply its entire generation to Tata Steel Distribution Licensee and overall tariff of these Units are recovered from Distribution licensee. However, Tariff for individual Units have been computed so far which is a cumbersome and also in deviations to approach being followed by CERC whereby CERC determines separate Tariff for the Units upto COD of all Units of the project for a generating Station and, thereafter, common tariff is determined for all Units of station. Further, for supply from identified Units with PPA for total capacity of such Units, common tariff is determined for such capacity taking all such identified Units together.
27. The above proposal is in terms of Regulation 11.2 of GTR 2020 which says that in case of clearly identified capacity supplying power to the beneficiaries under LT PPA, Tariff for such capacity/units is to be determined together. The aforesaid Regulation 11.2 is pari-materia same with Regulation 8(2) of CERC Tariff Regulations 2019 and CERC, accordingly, determine combined tariff for such identified Units of the station for Inter-State Generating Stations/Central Generating Stations of NTPC, DVC etc. The Relevant Regulations of GTR-2020 and CERC Tariff Regulations 2019 are reproduced below respectively for ready reference.

"11.2 Where only a part of the generation capacity of a generating station is tied up for supplying power to the beneficiaries through long-term Power

Purchase Agreement, the Units for such part capacity shall be clearly identified and in such case, the tariff shall be determined for such identified capacity. Where the Unit(s) corresponding to such part capacity cannot be identified, the tariff of the generating station may be determined with reference to the capital cost of the entire project, but tariff so determined shall be applicable corresponding to the part capacity contracted for supply to the beneficiaries."

"8(2) Where only a part of the generation capacity of a generating station is tied up for supplying power to the beneficiaries through long term power purchase agreement, the units for such part capacity shall be clearly identified and in such cases, the tariff shall be determined for such identified capacity. Where the unit(s) corresponding to such part capacity cannot be identified, the tariff of the generating station may be determined with reference to the capital cost of the entire project, but tariff so determined shall be applicable corresponding to the part capacity contracted for supply to the beneficiaries."

28. The above proposal shall reduce the regulatory burden on the Petitioner as well as Hon'ble Commission and shall ease the process of determination of tariff i.e., one tariff model instead of having two tariff models one each for Unit 2 & 3. In light of above submissions, the Petitioner most humbly requests the Hon'ble Commission to determine combined Tariff for Jojobera Units 2&3 from 2022-23 onwards which shall be in the interest of all.

C.4 APPROACH TO APR FOR FY 2023-24

29. Tata Power for the purpose of Annual Performance Review of FY 2023-24 is submitting the actual Operational Performance from April 2023 to October 2023 along with estimates for remaining months. With regard to the financial performance, it is submitted that the Petitioner has largely followed the O&M projections as approved in the MYT Order dated 04.11.2022. The APR of FY 2023-

24 has been discussed in detail in **Section E** of the Petition. The Petitioner similar to Truing-up proposal has proposed for determination of combined Tariff for Jojobera Units 2&3.

30. **Section F** gives the Status of Compliance of Directives given by Hon'ble Commission in earlier Orders.

D. TRUING UP OF FY 2022-23

31. This section outlines the actual operational and financial performance of Unit # 2 & 3 of Jojobera Power Plant, Tata Power in FY 2022-23 individually and combined for Units 2&3 for determination of common tariff. Certificates have been obtained from Tata Steel Load Dispatch Centre for the Plant Availability and Financial Auditors (in case of Financial Parameters) and are annexed with the instant Petition with appropriate reference for kind perusal of the Hon'ble Commission. Variations in performance level of various parameters as compared to the approved parameters in the MYT Order dated 04.11.2022 have been presented with appropriate justification for kind consideration of the Hon'ble Commission. Tariff Forms for FY 2022-23 unitwise and combined in hard copy are enclosed herewith as **ANNEXURE P1A-True-up(Colly).** The soft copy of this Petition and filled-up Tariff formats for FY 2022-23 for this purpose alongwith soft copy of Excel Model/Forms are annexed hereto as **ANNEXURE P1B-True-up (Colly)**.

D.1 OPERATIONAL PERFORMANCE FY 2022-23

32. The Hon'ble Commission in its Regulation 6.11 and 6.13 of GTR 2020 has specified the nature of the following operational parameters in two types i.e. Controllable and Uncontrollable. For controllable parameters, it has set performance target for existing and new thermal generating station in the State of Jharkhand under *Section A16 Regulation (16.1) Norms of Operation for Thermal Power Generating Station* of the GTR 2020 as revised vide 1st amendment to GTR 20 dated 03.11.2023. Accordingly, performance target of various controllable operational parameters set by the Hon'ble Commission for Unit # 2 & 3 of Jojobera Power Plant, Tata Power are presented in the following table:

Table2: Performance Target for Controllable Parameters

PARAMETER	TYPE	TARGET FOR JOJOBERA THERMAL POWER STATION for FY 23& FY 24			
		FY 2023		FY 2024	
		Unit # 2	Unit # 3	Unit # 2	Unit # 3
Gross Station Heat Rate (kCal/kWh)	**Controllable**	2567	2577	2567	2577
Normative Annual Plant Availability Factor (%)	**Controllable**	85	85	85	85
Auxiliary Energy Consumption (%)	**Controllable**	10	10	10	10

Secondary Fuel Oil Consumption (ml/kWh)	**Controllable**	0.5	0.5	0.5	0.5

33. The actual as well as combined operational performance of Unit # 2 & 3 of Jojobera Power Plant vis-à-vis the approved level against various parameters approved by the Hon'ble Commission has been presented in the following tables. Month-wise details of the actual performance of various operational parameters have been annexed hereto and marked as **ANNEXURE P2**.

Table3: Operational Performance Unit # 2

Particulars	**UoM**	**Actual**	**Approved by Hon'ble Commission**	**Difference**
Unit Capacity	MW	120	120	0.00
Gross Generation	Mus	881.23	893.52	(12.29)
Plant Load Factor	%	83.83%	85.00%	(1.17%)
Auxiliary Consumption	%	8.50%	9.0%	(0.50%)
Ex-Bus Generation	MUs	806.29	813.10	(6.81)
Plant Availability Factor	%	98.99%	85.00%	13.99%
Gross Heat Rate	kCal/kWh	2536.09	2550	(13.91)

Table4:Operational Performance Unit # 3

Particulars	**UoM**	**Actual**	**Approved by Hon'ble Commission**	**Difference**
Unit Capacity	MW	120	120	0.00
Gross Generation	MUs	907.14	893.52	13.62
Plant Load Factor	%	86.30%	85.00%	1.30%
Auxiliary Consumption	%	8.61%	9.0%	(0.39%)
Ex-Bus Generation	Mus	829.04	813.10	15.94
Plant Availability Factor	%	97.37%	85.00%	12.37%
Gross Heat Rate	kCal/kWh	2533.70	2550	(16.30)

D.1.1 Gross Generation

34. The above Tables show the Operational Performance of Unit 2 & 3 for FY 2022-23. It can be seen from the above Tables that the PLF of Unit 2 stands at 83.83% and that of Unit 3 at 86.30%. For Unit 2, the PLF is less than the Normative PLF of **85%** and is mainly due to lower system demand in respect of Unit 2 for some of the

months. Tata Power has, therefore, considered the actual generation of Unit 2 for the purpose of Truing-up.

D.1.2 Auxiliary Power Consumption

35. The actual Auxiliary Power Consumption of Unit 2 and Unit 3 for FY 2022-23 has been at **8.50%** and **8.61%** respectively as compared to Normative Auxiliary Power Consumption of **10%** for each Unit as specified in 1st Amendment to GTR 2020. While these are annual average of monthly actual auxiliary consumption, the Normative of 10% has been considered for Truing-up for both Unit 2 and Unit 3. Accordingly, Auxiliary Consumption of **10.00%** has been considered in respect of Unit 2 and Unit 3 respectively, for FY 2022-23.

D.1.3 Plant Availability Factor

36. The actual plant availability of Unit 2 stands at **98.99%** and Unit 3 at **97.37%** for FY 2022-23 as compared to Normative Availability of 85% specified in GTR 2020 and same has been considered for Truing-up exercise. The details of Monthly Availability of Unit 2 and Unit 3 as certified by the Tata Steel LDC for FY 2022-23 are annexed hereto and marked as **ANNEXURE P3**.

D.1.4 Heat Rate

37. The Normative Heat Rate of **2567 kCal/kWh** for Unit 2 and **2577 kCal/kWh** Unit 3 as specified in GTR 2020 (as revised vide 1st amendment to GTR 20 dated 03.11.2023) has been considered for purpose of True-up for FY 2022-23 and computation of the Energy Charges of Unit 2 and Unit 3 as per Regulations. Actual Heat Rate for these Units have been 2536.09 kCal/kWh and 2533.70 kCal/kWh, respectively which has been used for the purpose of computing gains due to actual operational performance.

D.1.5 Specific LDO Consumption

38. The Normative Sp. LDO consumption of **0.5ml/kWh** for Unit 2 and Unit 3 as specified in GTR 2020 has been considered for purpose of True-up for FY 2022-23 and computation of the Energy Charges of Unit 2 and Unit 3 as per Regulations. Actual Sp. LDO Consumption 0.09 ml/kWh and 0.21 ml/kWh respectively for Units 2&3 have been used for the purpose of computing gains due to actual operational performance.

D.1.6 Combined Operational Norms for Jojobera Units 2&3

39. In terms of Regulation 11.2 of the GTR-2020 and for the determination of Common Tariff for Jojobera Units 2&3 as discussed above, the combined operational performance of Jojobera Units 2&3 for FY 2022-23 is summarized below:

Table5:Operational Performance Unit #2& 3(Combined)

Particulars	UoM	Actual	Approved by Hon'ble Commission	Difference
Unit Capacity	MW	240	240	0.00
Gross Generation	Mus	1788.37	1787.04	1.33
Plant Load Factor	%	85.06%	85.00%	0.06%
Auxiliary Consumption	%	8.56%	9.00%	(0.44%)
Ex-Bus Generation	MUs	1635.34	1626.21	9.13
Plant Availability Factor	%	98.18%	85.00%	13.18%
Gross Heat Rate	kCal/kWh	2535	2550	(15.11)

D.2 COAL PARAMETERS FY 2022-23

D.2.1 Coal Mix and Gross Calorific Value ("GCV") of Primary Coal

40. With regard to Coal Mix for FY 2022-23, Tata Power, humbly submits following for kind consideration of the Hon'ble Commission:

i. With commencement of supply from SHAKTI allocations, consumption of Shakti Coal has been maximized and benefits of the lower tariff alongwith the SHAKTI Discount has been passed on to the beneficiary through monthly billing.

ii. The linkage under shakti coal is only sufficient corresponding to PLF of 75% and, hence, the balance coal has to be arranged from alternate sources including Middling Coal from West Boakro Collieries. The above fact was also highlighted by the Petitioner in the MYT Petition and has also been acknowledged by the Hon'ble Commission in the MYT Order dated 04.11.2022. The Hon'ble Commission may further appreciate that demand of a distribution licensee is beyond the control of Generating Station and, hence, variations in fuel mix on account of it is beyond the control of Generating Station.

iii. Further, it is submitted that in series of directions/notifications of Ministry of Power (MoP) starting from 7.12.2021, it has stressed upon the Generating Companies to

import coal considering the increase in demand and also supply from Coal India Limited not being commensurate with the requirements of thermal power plants. It is pertinent to mention that the situation of inadequate coal/depleted coal stocks at Power Stations was at peak during the 1st Quarter of FY 22-23 and same is evident from the fact that MoP increased the blending ratio of Imported coal from 4% as advised in advisory dated 07.12.2021 to 10% in Advisory issued dated 28.04.2022 and, thereafter, issuing directions u/s 11 of the Electricity Act for import of coal. The situation has only started improving slowly from month of July 2022 and, accordingly, MoP on 1st August onwards has left IPPs to decide on import of coal after assessing the availability of domestic coal supplies. Advisory issued by MoP dated 7.12.2021, 28.04.2022 and 01.08.2022 is enclosed herewith and marked as Annexure-1. Accordingly, Petitioner during above crisis, apart from approved sources has also relied on other domestic sources viz., e-auction Coal, Tailing and Reject Coal from West Bokaro Collieries to meet its coal requirement.

iv. It is further submitted that the Sub-Group Committee has been constituted comprising of members from MoP, MoC, Railways, CEA, CIL and officials from Generating companies for weekly review on supply of coal to power sector and supply plan to augment the coal stock at Plants/Generating companies having lesser coal stock. Subgroup Committee during weekly review had mostly recommended a maximum of 1 Rake in RCR mode from CCL to Jojobera Units 2&3. Accordingly, coal supply from CCL to Jojobera unit was constrained to be supplied under Road cum Rail (RCR) mode only. The above restriction has, thus, impacted the actual coal materialization of CCL Shakti coal, led to supply of CCL WIV Coal and thereby impacted overall coal cost which is beyond the control of Tata Power.

v. Moreover, it is stated that the sourcing of imported coal could have impacted the Energy Charge Rate severely, however, with all proactive measures, petitioner was able to manage its coal requirements through CIL, E-Auction Coal organized by CIL or other coal from West Bokaro Collieries thereby containing the overall increase in coal cost.

vi. Tata Power for the procurement of coal from e-auction to meet the coal deficit/overcome the emergency situation had duly apprised the beneficiaries and obtained due consent from the same.

vii. It may also be kindly noted that the Petitioner in its quarterly reports dated 30.09.2022, 31.12.2022, 31.03.2023 and 30.06.2023 has already apprised the Hon'ble Commission on such minor deviations and overall impact on ECR and same are enclosed herewith and marked as **ANNEXURE P4** for kind reference of the Hon'ble Commission.

viii. In view of the above uncontrollable factors, Tata Power had to marginally depend on sources other than sources approved in the MYT Order for meeting the deficit and, accordingly, there has been a variation between actual fuel mix and fuel mix as approved in the MYT Order dated 04.11.2022.

41. In light of above submissions, it is humbly submitted to the Hon'ble Commission to kindly approve the actual Coal mix for Unit 2 and Unit 3 individually and combined for FY 2022-23 as summarized in the Table below.

Table6: Coal Parameters of Unit 2 for FY 2022-23

	Fuel Mix (%)		GCV (kCal/Kg)			Landed Price (Rs/MT)		
Particulars	**Actual**	**Approved in MYT Order**	**Actual**	**Approved in MYT Order**	**Diff**	**Actual**	**Approved in MYT Order**	**Diff**
Middling Coal	12.65%	21.81%	4100	3861	239	5301	4223	1079
CCL Shakti R3	14.87%	43.33%	3754	3838	(84)	3551	3654	(103)
CCL Shakti WIV	28.44%	0.00%	4002	0	4002	4551		4551
CCL Shakti	9.57%	14.49%	3716	3838	(122)	3364	3654	(290)
MCL Shakti	12.55%	13.95%	3207	3130	77	2673	2507	167
ECL Shakti	9.95%	6.42%	4965	5109	(144)	5497	5328	169
CCL SFA	11.86%	0.00%	2940	0	2940	3411		3411
WB Reject	0.03%	0.00%	1905	0	1905	4519		4519
WB 2P/Tailing	0.08%	0.00%	4205	0	4205	9220	0	9220
Wt. Avg	100.00%	100.00%	3820	3825	(6)	4111	3725	385

Table7: Coal Parameters of Unit 3 for FY 2022-23

	Fuel Mix (%)		GCV (kCal/Kg)			Landed Price (Rs/MT)		
Particulars	**Actual.**	**Approved in MYT Order**	**Actual.**	**Approved in MYT Order**	**Diff**	**Actual.**	**Approved in MYT Order**	**Diff**
Middling	17.93%	21.80%	4105	3860	245	5171	4223	948

CCL Shakti R3	14.18%	43.34%	3776	3856	(81)	3560	3820	(260)
CCL Shakti WIV	28.38%	0.00%	4010		4010	4581		4581
CCL Shakti	10.76%	14.49%	3724	3856	(132)	3317	3820	(503)
MCL Shakti	15.32%	13.95%	3243	3107	136	2673	2519	154
ECL Shakti	4.50%	6.42%	4965	5001	(35)	5462	5348	114
CCL SFA	8.93%	0.00%	2985		2985	3388	0	3388
Wt. Avg	100.00%	100.00%	3797	3826	(29)	4046	3824	222

Table8:Coal Parameters of Units 2&3 for FY 2022-23(Combined)

	Fuel Mix (%)		GCV (kCal/Kg)			Landed Price (Rs/MT)		
Particulars	**Actual**	**Approved in MYT Order**	**Actual**	**Approved in MYT Order**	**Diff**	**Actual**	**Approved in MYT Order**	**Diff**
Middling Coal	15.33%	21.80%	4103	3860	242	5224	4223	1001
CCL Shakti R3	14.52%	43.33%	3765	3847	(82)	3555	3737	(181)
CCL Shakti WIV	28.41%	0.00%	4006		4006	4566		4566
CCL Shakti	10.17%	14.49%	3720	3847	(127)	3339	3737	(398)
MCL Shakti	13.96%	13.95%	3227	3118	108	2673	2513	160
ECL Shakti	7.18%	6.42%	4965	5055	(90)	5486	5338	148
CCL SFA	10.37%	0.00%	2960		2960	3401		
WB Reject	0.02%	0.00%	1905		1905	4519		
WB 2P/Tailing	0.04%	0.00%	4205		4205	9220		9220
Wt. Avg	100.00%	100.00%	3808	3825.75	(18)	4078	3775	303

42. With regard to GCV of Coal, it is submitted that Petitioner in terms of GTR 2020 and 1st Amendment to GTR 2020 has considered the 'As Received' GCV less storage loss of 85 kCal/kg for the purpose of computation of ECR. Tata Power has appointed third party for sampling and measurement of 'As Received' GCV. A sample copy of the third-party certificate showing GCV of the Rake is enclosed herewith and marked as **ANNEXURE- P5** for ready reference. Based on such GCV; daily, Monthly and Annual GCV is worked out considering quantity of the coal as weight.

43. Auditor's Certificate for month-wise Coal consumption and Landed Price of all types of Coal consumed in Unit 2 & 3 for 2022-23 has been attached hereto and marked as **ANNEXURE P6(Colly)** for kind reference of the Hon'ble Commission.

D.2.2 Specific Secondary Fuel Oil Consumption and Gross Calorific Value ("GCV") of Secondary Fuel

44. The Petitioner for the purpose of computation of Energy Charges has considered the normative specific secondary fuel Oil consumption of 0.5 ml/kWh as specified in GTR 2020 for 2022-23. Auditor's Certificate for month wise consumption and Landed Price of Secondary Fuel, i.e. LDO in case of Petitioner's Units 2&3 is attached hereto and marked as **ANNEXURE P7** for kind reference of the Hon'ble Commission. GCV of the LDO has been considered based on the third-party certificate showing GCV for the month. Sample copy of third-party certificate for the month is attached hereto as **ANNEXURE P8** for kind reference of the Hon'ble Commission. Weighted average GCV and price of LDO for 2022-23 has been worked out considering quantity of LDO consumed in each month as weight. A summary of such weighted average GCV and Price of LDO has been presented in the Table below for kind perusal and approval of the Hon'ble Commission:

Table9: Secondary Fuel Parameters for FY 2022-23

Particulars	GCV (kCal/L)		Landed Price (Rs/kL)	
	Proposed	Approved in MYT Order	Proposed	Approved in MYT Order
Unit 2	10695	9100	74077	45198
Unit 3	10356	9100	71491	45196

Table10: Secondary Fuel Parameters of Units 2&3 for FY 2022-23(Combined)

Particulars	GCV (kCal/L)		Landed Price (Rs/kL)	
	Proposed	Approved in MYT Order	Proposed	Approved in MYT Order
Unit 2+3	10459	9100	72275	45197

D.2.3 Transit Loss

45. The Petitioner for the purpose of computation of Energy Charges has considered the normative transit loss of 0.8% in all categories of coal as provided in Regulation 17.11 of the GTR 2020.

D.3 ENERGY CHARGES FY 2022-23

46. The Energy Charge Rate and Energy Charges for the purpose of Truing-up of FY 22-23 have been computed in accordance with Regulations 17.7 to 17.11 of Generation Tariff Regulations, 2020 alongwith 1st Amendments and considering the Primary and Secondary Fuel parameters and Transit Loss as elaborated in above sections. Relevant Extract of Regulation 7.17 & 17.18 are reproduced below for ready reference:

> *"17.7 The energy (variable) charge shall cover primary fuel and secondary fuel costs and limestone consumption cost (where applicable), shall be payable by every Beneficiary for the total energy scheduled to be supplied to such Beneficiary during the calendar month on ex-power plant basis, at the specified energy charge rate of the month (with fuel price adjustment and limestone adjustment). Total Energy charge payable to the Generating Company for a month shall be:*
>
> *Energy Charges = (Energy charge rate in Rs./kWh) x {Scheduled Energy (ex-bus) for the month on kWh}*
>
> *17.8 Energy charge rate (ECR) in Rupees per kWh on ex-power plant basis shall be determined to three decimal places in accordance with the following formulae:*
>
> *(a) For coal based stations*
>
> *ECR = {(SHR – SFC x CVSF) x LPPF/CVPF + SFC x LPSFi + LC x LPL} x 1/ (1 – AUX)}.....*
>
> *Where,*
>
> *AUX - Normative auxiliary energy consumption in percentage ;*
>
> *CVPF-*
>
> *(a) Weighted Average Gross calorific value of coal as received, in kCal per kg for coal based stations less 85 kCal/kg on account of variation during storage at generating station;*

(b) Weighted Average Gross calorific value of primary fuel as received in kCal per kg, per litre or per standard cubic meter, as applicable for lignite, gas and liquid fuel based stations;

(c) In case of blending of fuel from different sources, the weighted average Gross calorific value of primary fuel shall be arrived in proportion to blending ratio;

CVSF - Calorific value of secondary fuel, in kCal per ml

ECR - Energy charge rate, in Rupees per kWh.

SHR - Gross station heat rate, in kCal per kWh.

LC = Normative limestone consumption in kg per kWh

LPPF - Weighted average landed price of primary fuel, in Rupees per kg, per litre or per standard cubic metre, as applicable, during the month. (In case of blending of fuel from different sources, the weighted average landed price of primary fuel shall be arrived in proportion to blending ratio)

LPSFi=Weighted Average Landed Price of Secondary Fuel in Rs./ml during the month

LPL = Weighted average landed price of limestone in Rupees per kg.

SFC - Specific fuel oil consumption, in ml per kWh

…."

D.3.1 Computation of Energy Charges FY 2022-23

47. Operational parameters have been considered at Normative level as specified in the 1st Amendment to GTR 2020 i.e., SFC at **0.5 ml/kWh,** Auxiliary Power Consumption of **10%** for each Unit 2&3 and Unit 3, SHR of **2567 kCal/kWh** and **2577 kCal/kWh** for Unit 2 and Unit-3, respectively, for the purpose of Computing ECR and energy charges of FY 22-23.
48. Further, the Petitioner has considered the storage and handling loss of 85 kCal/kg in the As Received GCV for computation of ECR as provided in 1st amendment to GTR 2020.

49. The detailed computation of Energy Charge Rate and Energy Charges for FY 2022-23 are shown in the following Tables. Tata Power humbly requests the Hon'ble Commission to approve the proposed Energy Charges and Energy Charge Rate ("ECR") of Jojobera Unit 2 and Unit 3 for FY 2022-23**.** Petitioner would like to

submit that the variation in ECR compared to ECR approved in MYT Order is on account of revised Operational Targets as specified in 1st Amendment to GTR 2020 and due to change in GCV/Price of the approved sources, sourcing of e-auction coal at time of crisis as stated above which has led to the increase in the coal cost and, hence, such increase/decrease is basically on account of market forces/ recommendation of subgroup which is beyond the control of the Petitioner and. Petitioner humbly submits that though it is vigilant and takes all measures to ensure optimization of energy charge rate but availability of coal from Coal India Limited and variations in GCV and Price is mainly on account of market factors which are uncontrollable in nature.

Table11: Energy Charges for FY 2022-23 - Unit # 2

Particulars	UoM	Proposed	Approved in MYT Order	Difference
Operational Parameters				
Actual Aux Power Consumption (AUX)	%	8.50%	9.00%	(0.50%)
Normative Aux Power Consumption	%	10.00%	9.00%	
Normative Gross Heat Rate (GHR)	Kcal/Kwh	2567	2550	17.00
LDO GCV (CVPF)	Kcal/L	10695	9100	1594.80
LDO Landed Price	Rs/KL	74077	45198	28879
Middling Coal				0.00
Middling Coal in mix	%	12.65%	21.81%	(9.16%)
Middling Coal GCV	Kcal/Kg	4100	3861	239.41
Middling Coal Landed Price	Rs/Ton	5301	4223	1078.89
CCL Shakti R3 Coal				
CCL Shakti R3 Coal in Mix	%	14.87%	43.33%	(28.46%)
CCL Shakti R3 GCV	Kcal/Kg	3754	3838	(83.55)
CCL Shakti R3 Landed Price	Rs/Ton	3551	3654	(102.55)
CCL Shakti WIV Coal				
CCL Shakti WIV Coal in Mix	%	28.44%	0.00%	28.44%
CCL Shakti WIV GCV	Kcal/Kg	4002	0	4001.80
CCL Shakti WIV Landed Price	Rs/Ton	4551	0	4551.39
CCL Shakti 2 Coal				
CCL [Shakti 2] Coal in Mix	%	9.57%	14.49%	(4.93%)
CCL [Shakti 2] Coal GCV	Kcal/Kg	3716	3838	(121.71)
CCL [Shakti 2] Coal Landed Price	Rs/Ton	3364	3654	(289.63)
MCL Shakti 2 Coal				
MCL [Shakti 2] Coal Consumption	%	12.55%	13.95%	(1.40%)
MCL [Shakti 2] GCV	Kcal/Kg	3207	3130	77.07
MCL [Shakti 2] Landed Price	Rs/Ton	2673	2507	166.56
ECL Shakti 2 Coal				
ECL [Shakti 2] Coal in Mix	%	9.95%	6.42%	3.53%
ECL [Shakti 2] GCV	Kcal/Kg	4965	5109	(144.19)
ECL [Shakti 2] Landed Price	Rs/Ton	5497	5328	169.14
CCL SFA				

CCL SFA Coal in Mix	%	11.86%	0	11.86%
CCL SFA GCV	Kcal/Kg	2940	0	2940.27
CCL SFA Landed Price	Rs/Ton	3411	0	3411.29
WB Reject				
WB Reject Coal in Mix	%	0.03%	0.00%	0.03%
WB Reject GCV	Kcal/Kg	1905	0	1904.80
WB Reject Landed Price	Rs/Ton	4519	0	4519.00
WB Tailing				
WB Tailing Coal in Mix	%	0.08%	0.00%	0.08%
WB Tailing GCV	Kcal/Kg	4205	0	4205.17
WB Tailing coal Landed Price	Rs/Ton	9220	0	9220.00
Equivalent GCV & Landed Price of Coal				
Equivalent GCV of Coal (CVPF)	Kcal/Kg	3819.69	3825.49	(90.81)
Eq. GCV of Coal less Storage Loss (Actual -85kCal/Kg)	Kcal/Kg	3734.69		
Equivalent Landed Price of Coal (LPPF)	Rs/Ton	4110.70	3725.22	385.48
Rate of Energy Charge pertaining to Coal	Rs/Kwh	3.133	2.724	0.41
Rate of Energy Charge pertaining to LDO	Rs/Kwh	0.041	0.025	0.02
Energy Charge Rate (ECR)	**Rs/Kwh**	**3.174**	**2.749**	0.43
Ex-Bus Generation	MUs	806.29	813.10	(6.81)
Energy Charges	**Rs Crore**	**255.92**	**223.50**	**32.42**

Table12: Energy Charges for FY 2022-23 - Unit # 3

Particulars	UoM	Proposed	Approved in MYT Order	Difference
Operational Parameters				
Actual Aux Power Consumption (AUX)	%	8.61%	9.00%	(0.39%)
Normative Aux Power Consumption		10.00%	9.00%	
Gross Heat Rate (GHR)	Kcal/Kwh	2577	2550	27.00
LDO GCV (CVPF)	Kcal/L	10356	9100	1256.26
LDO Landed Price	Rs/KL	71491	45196	26295
Middling Coal				0.00
Middling Coal in mix	%	17.93%	21.80%	(3.87%)
Middling Coal GCV	Kcal/Kg	4105	3860	244.69
Middling Coal Landed Price	Rs/Ton	5171	4223	947.85
CCL Shakti R3 Coal				
CCL Shakti R3 Coal in Mix	%	14.18%	43.34%	(29.15%)
CCL Shakti R3 GCV	Kcal/Kg	3776	3856	(80.71)
CCL Shakti R3 Landed Price	Rs/Ton	3560	3820	(260.28)
CCL Shakti WIV Coal				
CCL Shakti WIV Coal in Mix	%	28.38%	0.00%	28.38%
CCL Shakti WIV GCV	Kcal/Kg	4010	0	4009.78
CCL Shakti WIV Landed Price	Rs/Ton	4581	0	4580.85
CCL Shakti 2 Coal				
CCL [Shakti 2] Coal in Mix	%	10.76%	14.49%	(3.73%)
CCL [Shakti 2] Coal GCV	Kcal/Kg	3724	3856	(132.32)
CCL [Shakti 2] Coal Landed Price	Rs/Ton	3317	3820	(503.37)
MCL Shakti 2 Coal				
MCL [Shakti 2] Coal Consumption	%	15.32%	13.95%	1.37%
MCL [Shakti 2] GCV	Kcal/Kg	3243	3107	135.69
MCL [Shakti 2] Landed Price	Rs/Ton	2673	2519	153.96
ECL Shakti 2 Coal				
ECL [Shakti 2] Coal in Mix	%	4.50%	6.42%	(1.92%)
ECL [Shakti 2] GCV	Kcal/Kg	4965	5001	(35.18)
ECL [Shakti 2] Landed Price	Rs/Ton	5462	5348	114.19

CCL SFA				
CCL [SFA] Coal in Mix	%	8.93%	0.00%	8.93%
CCL [SFA] GCV	Kcal/Kg	2985	0	2985.29
CCL [SFA] Landed Price	Rs/Ton	3388	0	3388.01
Actual Aux Power Consumption (AUX)	%	8.61%	9.00%	(0.39%)
Equivalent GCV & Landed Price of Coal				
Equivalent GCV of Coal (CVPF)	Kcal/Kg	3796.75	3826.01	(114.25)
Eq. GCV of Coal less Stacking Loss (Actual-85kCal/Kg)	Kcal/Kg	3711.75		
Equivalent Landed Price of Coal (LPPF)	Rs/Ton	4046.44	3824.40	222.04
Rate of Energy Charge pertaining to Coal	Rs/Kwh	3.115	2.796	0.32
Rate of Energy Charge pertaining to LDO	Rs/Kwh	0.040	0.025	0.01
Energy Charge Rate (ECR)	**Rs/Kwh**	**3.155**	**2.821**	0.33
Ex-Bus Generation	MUs	829.04	813.10	15.94
Energy Charges	**Rs Crore**	**261.56**	**229.36**	**32.20**

Table13: Energy Charges for FY 2022-23 - Units 2&3(Combined)

Particulars	UoM	Proposed	Approved in MYT Order	Difference
Operational Parameters				
Actual Aux Power Consumption (AUX)	%	8.56%	9.00%	(0.44%)
Normative Aux Power Consumption	%	10.00%	9.00%	
Normative Gross Heat Rate (GHR)	Kcal/Kwh	2572	2550	22.00
Normative Specific LDO Consumption (SFCn)	ml/kWh	0.50	0.50	0.00
LDO GCV (CVPF)	Kcal/L	10459	9100	1358.87
LDO Landed Price	Rs/KL	72275	45197	27078
Middling Coal				0.00
Middling Coal in mix	%	15.33%	21.80%	(6.47%)
Middling Coal GCV	Kcal/Kg	4103	3860	242.46
Middling Coal Landed Price	Rs/Ton	5224	4223	1001.04
CCL Shakti R3 Coal				
CCL Shakti R3 Coal in Mix	%	14.52%	43.33%	(28.81%)
CCL Shakti R3 GCV	Kcal/Kg	3765	3847	(82.20)
CCL Shakti R3 Landed Price	Rs/Ton	3555	3737	(181.44)
CCL Shakti WIV Coal				
CCL Shakti WIV Coal in Mix	%	28.41%	0.00%	28.41%
CCL Shakti WIV GCV	Kcal/Kg	4006	0	4005.85
CCL Shakti WIV Landed Price	Rs/Ton	4566	0	4566.35
CCL Shakti 2 Coal				
CCL [Shakti 2] Coal in Mix	%	10.17%	14.49%	(4.32%)
CCL [Shakti 2] Coal GCV	Kcal/Kg	3720	3847	(126.71)
CCL [Shakti 2] Coal Landed Price	Rs/Ton	3339	3737	(398.29)
MCL Shakti 2 Coal				
MCL [Shakti 2] Coal Consumption	%	13.96%	13.95%	0.01%
MCL [Shakti 2] GCV	Kcal/Kg	3227	3118	108.48
MCL [Shakti 2] Landed Price	Rs/Ton	2673	2513	160.24
ECL Shakti 2 Coal				
ECL [Shakti 2] Coal in Mix	%	7.18%	6.42%	0.76%
ECL [Shakti 2] GCV	Kcal/Kg	4965	5055	(89.74)

ECL [Shakti 2] Landed Price	Rs/Ton	5486	5338	148.08
CCL SFA				
CCL SFA Coal in Mix	%	10.37%	0	10.37%
CCL SFA GCV	Kcal/Kg	2960	0	2959.97
CCL SFA Landed Price	Rs/Ton	3401	0	3401.10
WB Reject				
WB Reject Coal in Mix	%	0.02%	0.00%	0.02%
WB Reject GCV	Kcal/Kg	1905	0	1904.80
WB Reject Landed Price	Rs/Ton	4519	0	4519.00
WB Tailing				
WB Tailing Coal in Mix	%	0.04%	0.00%	0.04%
WB Tailing GCV	Kcal/Kg	4205	0	4205.17
WB Tailing coal Landed Price	Rs/Ton	9220	0	9220.00
Equivalent GCV & Landed Price of Coal				
Equivalent GCV of Coal (CVPF)	Kcal/Kg	3808.03	3825.75	(102.72)
Eq. GCV of Coal less Storage Loss (Actual -85kCal/Kg)	Kcal/Kg	3723.03		
Equivalent Landed Price of Coal (LPPF)	Rs/Ton	4078.03	3774.81	303.22
Rate of Energy Charge pertaining to Coal	Rs/Kwh	3.124	2.760	0.36
Rate of Energy Charge pertaining to LDO	Rs/Kwh	0.040	0.025	0.02
Energy Charge Rate (ECR)	**Rs/Kwh**	**3.164**	**2.785**	0.38
Ex-Bus Generation	MUs	1635.34	1626.21	9.13
Energy Charges	**Rs Crore**	**517.43**	**452.86**	**64.57**

50. Further, discount of 4 and 7 paise/kWh is required to be passed on to beneficiaries on units generated corresponding to SHAKTI Round 2 and Round 3 allocations respectively as per the methodology approved by Hon'ble Commission in the 1st and 2nd Amended PPA between Jojobera and Tata Steel for Jojobera Units 2&3 respectively. CCL WIV coal was supplied both under round 2 and round 3, therefore, coal quantum consumed under round 2 and round 3 for each Unit 2 and Unit 3 is annexed herewith and marked as **ANNEXURE P9** for the purpose of computation of SHAKTI discount**.** Also, storage loss of 85 kCal/kg has been considered while computing sales (MUs) from actual consumption of each type of SHAKTI Coal in terms of 1st amendment to GTR 2020. Accordingly, Discounts works out as follows for Unit 2 and Unit 3.

Table14: SHAKTI Discount for FY 2022-23- Unit # 2

Particulars	UoM	Proposed	Approved in MYT Order	Difference
Sales due to CCL Shakti R3	MUs	113.75	350.46	(236.72)
Sales due to CCL Shakti R2	MUs	72.41	117.99	(45.58)
Sales due to CCL Shakti WIV	MUs	232.23	0.00	232.23
Sales due to MCL Shakti R2	MUs	81.66	92.64	(10.97)
Sales due to ECL Shakti R2	MUs	101.23	69.59	31.64
Discount Amount (@ Rs. 0.04/kWh Discount Rate) for Shakti R2	Rs Crore	1.18	1.12	0.06
Discount Amount (@ Rs. 0.07/kWh Discount Rate) for Shakti R3	Rs Crore	2.14	2.45	(0.32)
Total SHAKTI DISCOUNT	Rs Crore	3.32	3.57	(0.25)
ECR after Discount	Rs/kWh	3.133	2.705	0.43

Table15: SHAKTI Discount for FY 2022-23 - Unit # 3

Particulars	UoM	Proposed	Approved in MYT Order	Difference
Sales due to CCL Shakti R3	MUs	112.29	354.52	(242.23)
Sales due to CCL Shakti R2	MUs	84.02	118.56	(34.54)
Sales due to CCL Shakti WIV	MUs	238.90		
Sales due to MCL Shakti R2	MUs	103.79	91.97	11.82
Sales due to ECL Shakti R2	MUs	47.07	68.11	(21.04)
Discount Amount (@ Rs. 0.04/kWh Discount Rate)	Rs Crore	1.07	1.11	(0.05)
Discount Amount (@ Rs. 0.07/kWh Discount Rate)	Rs Crore	2.23	2.48	(0.25)
Total SHAKTI DISCOUNT	Rs Crore	3.30	3.60	(0.29)
ECR after Discount	Rs/kWh	3.115	2.777	0.34

Table16: SHAKTI Discount for FY 2022-23 - Units 2&3(Combined)

Particulars	UoM	Proposed	Approved in MYT Order	Difference
Sales due to CCL Shakti R3	MUs	226.03	701.27	(475.24)
Sales due to CCL Shakti R2	MUs	156.45	236.55	(80.10)
Sales due to CCL Shakti WIV	MUs	471.15	0.00	471.15
Sales due to MCL Shakti R2	MUs	185.50	184.60	0.90
Sales due to ECL Shakti R2	MUs	148.16	137.70	10.46
Discount Amount (@ Rs. 0.04/kWh Discount Rate) for Shakti R2	Rs Crore	2.25	2.24	0.02
Discount Amount (@ Rs. 0.07/kWh Discount Rate) for Shakti R3	Rs Crore	4.37	4.91	(0.54)
Total SHAKTI DISCOUNT	**Rs Crore**	**6.62**	**7.14**	**(0.52)**
ECR after Discount	Rs/kWh	3.124	2.741	0.38

D.4 FINANCIAL PERFORMANCE FY 2022-23

51. This Section explains the actual Additional Capitalization and Decapitalization as per Books. Decapitalization not performed in books but proposed to be decapitalized for tariff purposes, Gross Fixed Assets for FY 2022-23, its financing plan and the computations of each component of Annual Fixed Charges as per GTR 2020 alongwith 1st amendment to GTR 2020. The Petitioner also in terms of directions in the MYT Order and with sole purpose to give the realistic picture of the present and future Capitalizations of Unit 2 & Unit 3 for FY 2023-24 and, thereafter, revised capitalization phasing for FY 23-26 considering the spill over schemes which are either approved schemes or certain new schemes as proposed in the Petition for APR of FY 2022-23 for kind consideration of the Hon'ble Commission.

D.4.1 Additional Capitalization for FY 2022-23 vis-à-vis approved plan and revised phasing for some of the approved schemes.

52. The scheme-wise additional capitalizations performed in FY 2022-23 compared to Capitalization plan as proposed in APR Petition for FY 2022-23 have been presented hereunder for kind consideration of the Hon'ble Commission .

Table17: Scheme-Wise additional capitalization including apportioned additional capitalization (In Rs Lakh) of common facilities - Unit 2 & 3 for FY 2022-23

						Approved in the MYT Order(Value Apportioned to Unit 2&3)	Revised Capitalisation Plan (Value Apportioned to Unit 2&3) proposed in APR FY 2022-23	Actual	Diff
Sr. No.	**Project Description**	**Total Cost as per Order (Lakh)**	**Total Proposed Cost (Lakh)**	**Used in Units**	**Apportioned Cost (Proposed) to U2&3(Lakh)**	**FY-23 (i)**	**FY-23 (ii)**	**FY 23 (iii)**	**FY 23 (iii-ii)**
1	Replacement of Dead Tank CT with Live Tank CT (Carry forward)	174.00	205.26	1,2,3,4,5	89.98	17.75	18.42	13.51	-4.91
2	Turbine and Generator Bearing sets (Carry Forward)		78.97	2	78.97		42.69	36.90	-5.80
3	Control Room AC System	345	345	2,3	345	172.5	172.50		-172.50
4	Ash Conveying pipe line	280	280	2,3	280	180	50.00		-50.00
5	Workshop machine Tools, Condition Monitoring tools & Mobile Environmental dust Extractor	200	200	1,2,3,4,5	87.67	54.79	30.00		-30.00
6	Turbine Parting Plane Bolts & Coupling Bolts	433.76	433.76	2	433.76	433.76			
7	BFP Destaging	275	275	2,3	275		52.46	18.09	-34.37
8	Multi-Layered Security System for Jojobera Power Plant.	275	275	1,2,3,4,5	120.55	54.79	40.00		-40.00
9	CHP PLC Upgradation		150	1,2,3,4,5	65.75		65.75	65.63	-0.12
10	Procurement of Laptops/IT Equipments		9.49	1,2,3,4,5	4.16			4.16	4.16
11	Water cooler for employees/worker		2.00	1,2,3,4,5	0.88			0.88	0.88

12	Vehicles		44.21	1,2,3,4,5	19.38			19.38	19.38
	Total	1,982.76	2,298.69		1,801.10	913.60	471.82	158.55	-313.28

53. In this regard, it is humbly submitted that there are certain variations in actual Capitalization as per Books vis-à-vis Capitalization plan proposed in the APR Petition for FY 23 and the same are on account of unavoidable/uncontrollable reasons which are detailed in the quarterly Add Cap reports submitted before this Hon'ble Commission on 30.09.2022, 31.12.2022, 31.03.2023, 30.06.2023 and 30.09.2023 and are enclosed herewith and marked as **ANNEXURE P10(Colly)** for the kind consideration of the Hon'ble Commission.
54. In this regard, it is apposite to mention that the MYT Order for the Jojobera Units 2 & 3 was passed by this Hon'ble Commission on 04.11.2022 somewhere around the mid of FY 23. During the period when order was awaited, only those schemes which were of utmost priority have been taken up by the Petitioner and some had to be deferred after undertaking some transitional measures as substantial investment was required for it. The Petitioner, therefore, in order to match the approved plan of FY 22 and FY 23, took a stretch target in FY 23 but only few could be executed on account of various restrictions/exigencies/overburden of OEMs post COVID and Change in Annual Maintenance Plan or duration of the outage plan as per TSL's demand requirement. However, considerable work has been done under various schemes and most of them is likely to be completed in next FY except those which requires Units Outage has to be re-phased with the Units Annual Shutdown Plan (ASD).
55. In this context it is submitted considering its load requirement and pendency of Annual Maintenance of Other Units which could not be undertaken in the previous years because of COVID restrictions coupled with safety of those Units, Tata Steel requested to shift annual shutdown of Unit 3 which was scheduled in FY 22-23 to next financial year and the same was beyond the control of Petitioner. Relevant Communication in this regard is enclosed herewith and marked as **ANNEXURE P11** for kind reference of the Hon'ble Commission. The above change has consequently led to revision of the ASD of Units 2 and 3 compared to ASD as approved in the MYT Order for subsequent years as well as ASD outage of two

Units in the same year is practically very difficult. ASD of Unit 2 which was scheduled in FY 24 has to be shifted to FY 25 and similarly Unit 3 ASD which was scheduled in FY 25 need to be shifted to FY 26.

56. Detailed justification for deviation compared to MYT proposal has been submitted in the APR Petition of FY 23 for the kind consideration of the Hon'ble Commission which was on account of rephasing of Capex proposal including spillover of capex from last control period mainly on account of Covid -19 Pandemic and for other uncontrollable reasons including stated above.
57. In the above Table, Capex Scheme at Sl. No. 1, has been executed as per the revised capitalization plan for FY 2022-26 as submitted in the APR Petition for FY 22-23. Minor variation in Capitalization Plan for scheme at Sl.No.1 is on account of variations in outage plan/duration considering load requirement of distribution licensee.
58. Capex Scheme at Serial No. 2 is basically the capital spare i.e. Turbine and Generator Bearing Sets for Unit 2 approved in the previous control period could not be completed in FY 22 because consignment met an accident during transit and, therefore, got capitalized in FY 23 after receipt of material. Total Capitalization is within the approved budget and is claimed under Capital Spares as per 1st Amendment to GTR 2020 and is not clubbed under GFA.
59. Capex Schemes at Sl. No. 3, 4, 5 & 8 are approved schemes and were partly re-phased in FY 23 and remaining in FY 24. However, considering the current status of implementation, scheme at Sl. No 3 i.e. Control Room AC System Unit #2 & 3 is likely to be completed in FY 24. Other three schemes i.e., Ash Conveying pipe line Unit #2 & 3 at Sl. No 4, Workshop machine Tools, Condition Monitoring tools & Mobile Environmental dust Extractor Unit #2 & 3 at Sl. No. 5 and Multi-Layered Security System for Jojobera Power Plant at Sl. No 8 are likely to be implemented in FY 24 & FY 25 in place of FY 23 & 24. The detailed reasons for deferment, cost escalation has been provided in Add Cap Reports as stated above and is not repeated here for sake of brevity.
60. Capex Scheme at Sl. No. 6 i.e. Turbine Parting Plane Bolts & Coupling Bolts for Unit #2. Procurement and Supply of this material has a very high lead time i.e., more than a year and also implementation of it has to be aligned with the Annual

Shutdown of the Unit 2 which is scheduled in FY 25. Hence, this scheme is likely to be executed and completed in FY 25 in place of FY 24 as proposed earlier.

61. Capex Scheme at Sl.No.7 i.e. BFP de-staging is approved scheme and has been completed within the approved budget. Balance budget of about Rs. 34.37 Lakh is surrendered.

62. Capex Scheme at Sl. No 9 i.e., CHP PLC Upgradation has been completed and capitalized in FY 23. This scheme has been taken up considering the criticality and urgency of the scheme as it is linked to operations of the Units and since OEM has declared this system obsolete in FY 21 and further informed about their inability to provide spares and services. Petitioner considering urgency of the scheme proposed this scheme in APR Petition of FY 23 in terms of the liberty granted in MYT Order. This scheme was taken up for reasons beyond the control of Tata Power and, hence, it most humbly requests this Hon'ble Commission to kindly approve the additional Capitalization of Rs. 65.63 Lakh (Apportioned cost to Unit 2 & 3) against this scheme in FY 22-23.

63. It is further submitted that scheme at Sl. No 10 i.e Capital Expenditure towards IT Assets and Miscellaneous items have also been incurred in FY 23 which are over and above the approved schemes. In this regard, it is submitted that such expenditure is mainly towards procurement of IT Assets majorly covering replacement of old Laptop for employees in FY 2022-23 for rendering services to power plant. It is humbly submitted that IT assets including Laptops/ minor assets have life cycle of not more than 4-5 years and, hence, it becomes necessary for the Tata Power to replace such outlived assets as and when required to ensure smooth and efficient operations of the plant. Hence, it was essential to incur an expenditure of Rs. 9.49 Lakh in total [For Units 1 to 5] (Rs. 4.16 Lakh only allocated to Unit 2&3) on procurement of such IT Assets alongwith a decapitalization of Rs 10.44 Lakh in total as per audited Accounts (Rs. 4.58 Lakh apportioned to Unit 2&) resulting into a net addition of Rs. -0.42 Lakh in Unit 2&3. Moreover, since replacement of assets viz., Laptop and other IT Assets is uncertain and is done on need basis depending on asset condition unless any major replacement is planned, this could not be brought to the kind notice of Hon'ble Commission in the previous Petitions. In light of above constraint, Tata Power humbly requests this Hon'ble Commission to kindly consider such expenditure for FY 2022-23.

64. Further, Tata Power under scheme at Sl. 11 & 12 had to incur an amount of Rs. 20.26 Lakh essentially towards procurement of water coolers (about Rs. 2 lakh) for providing drinking waters to employees/workers in Coal Handling Areas which were far off from existing water cooler points and considering safety of the workers. Also, expenditure of Rs. 44.21 lakh has been incurred in FY 23 towards purchase of vehicle for senior management which was essential for rendering services to the Power Plant.
65. Since these are genuine expenditures, their benefits accrue over a period more than 1 year and are not of O&M nature, the same need to be allowed. Tata Power, therefore, seeks invocation of Regulation 33.1 of GTR 2020 and consideration of the capital expenditure towards IT Assets in terms of Regulation A7 (**Truing-up**) read with Regulation A 14 (**Additional capitalization**) of GTR 2020. It will not be out of place to mention that Hon'ble Commission in the APR Order for 2019-20 and in MYT Order dated 04.11.2022 has recognized the fact that IT assets become outdated and need to be replaced and, accordingly, approved similar capitalizations towards IT Assets for FY 2018-19 and 19-20 respectively.
66. In light of the above submissions, the Petitioner most humbly requests this Hon'ble Commission to consider the actual Capitalization as per books of year ending March'23 for the purpose of Truing-up of FY 2022-23 for Jojobera Unit 2 &3.

D.4.2 Additional Capitalization for FY 2022-23 as per Books.

67. It is submitted that Additional Capitalizations for 2022-23 for Unit 2 and Unit 3 have been claimed as per audited accounts for FY 2022-23. Detailed computation of Additional Capitalization for FY 2022-23 for Unit 2 and Unit 3 and the methodology adopted for apportionment of common capital expenditure among different Units is elaborated in the following paragraphs.
68. Alike previous years, the Capitalized Costs have been categorized under 2 broad categories based on the methodology as approved by the Hon'ble Commission.

    a. **Capitalization – Standalone:** This category includes the Capitalized Costs incurred for Assets/Schemes exclusively for Unit 2 or 3 of Jojobera Power Plant.

b. **Capitalization – Common Facilities:** This category includes the Capitalized Costs which have been incurred for Assets which are common to two or more Generating Units at the Jojobera Power Plant i.e., Units 1, 2, 3, 4 of Tata Power and Unit 5 of Industrial Energy Limited. These Assets/Schemes provide facilities to two or more of the above Units and, therefore, the Capitalized Cost of such Assets/Schemes must be apportioned to the Gross Fixed Asset (GFA in short) of Unit 2 & Unit 3 appropriately.

69. Tata Power has worked out the Apportionment Ratio individually for Unit 2 & Unit 3 and combined based on the Installed Capacity of these Units with respect to the Installed Capacity of Units 1, 2, 3, 4 & 5 of Jojobera Power Plant. The methodology of such apportionment for common facilities for all Units is shown in the following Table.

Table18: Apportionment Ratio for Capitalized Cost of common facilities

Apportionment Ratio of Additional Capitalization for Unit 2 and Unit 3		
Particulars	**UoM**	**Value**
Installed Capacity of Unit 1	MW	67.5
Installed Capacity of Unit 2	MW	120
Installed Capacity of Unit 3	MW	120
Installed Capacity of Unit 4	MW	120
Installed Capacity of Unit 5 (IEL)	MW	120
Installed Capacity of Jojobera Power Plant	**MW**	**547.5**
Contribution of Unit 2 in Total Capacity	%	21.92%
Contribution of Unit 3 in Total Capacity	%	21.92%
Combined Contribution of Unit 2 and Unit 3 in Total Capac	**%**	**43.84%**

As can be seen from the above Table, Unit 2 & Unit 3 individually contribute **21.92%** to the Installed Capacity of Units 1, 2, 3, 4 & 5 of Jojobera Power Plant and the combined contribution of these 2 Units stands at **43.84%**. It is noteworthy that the Hon'ble Commission in the MTR Order dated 14.02.2020 as well as APR Order for 2019-20 dated 09.09.2020 has also approved such methodology of apportionment of Capitalized Cost of Common Facilities. Tata Power has, accordingly, included the Capitalized Costs of the Common Facilities to the GFA of Unit 2 & Unit 3 by using the above Apportionment Methodology.

D.4.3 Scheme wise and Asset wise Additional Capitalization for FY 2022-23

70. Pursuant to above, the details of actual scheme wise and Asset Class-wise Capitalization (In Rs. Crore) for FY 2022-23 have been shown in the following Table, providing the Standalone Capitalization of Unit 2 and Unit 3 and the Additional Capitalization of Common Facilities apportioned to Unit 2 and Unit 3. The Certificate of the Statutory Auditors for the actual Capitalization during FY 2022-23 along with the listing of Fixed Assets Register are annexed hereto and marked as **ANNEXURE P12** for the kind perusal of the Hon'ble Commission.

Table19: Scheme-Wise additional capitalization including apportioned additional capitalization (In Rs Crore) of common facilities - Unit 2 & 3

Scheme Name	Standalone Unit 2	Standalone Unit 3	Common allocated to Unit 2 & 3
BFP De-staging		0.181	-
Replacement of Dead Tank CT with Live Tank CT (Carry forward)			0.135
CHP PLC upgradation			0.656
Procurement of Laptops/IT Equipment's.	-	-	0.042
Procurement of Water Coolers and Vehicle	-	-	0.203
Grand Total	**0**	**0.181**	**1.036**

D.4.4 Summary of Additional Capitalization

71. The following Tables show the summary of Actual Additional Capitalization of FY 2022-23 for Unit 2 and Unit 3 vis-à-vis the earlier approved projections in Rs Crore.

Table20: Summary of Additional Capitalization - Unit # 2(Rs. Crore)

Particulars	Proposed	Approved in MYT Order	Difference
Capitalization- Standalone	0.00	6.74	(6.22)
Capitalization- Apportioned for Common Facilities	0.52		
Total Additional Capitalization	**0.52**	**6.74**	**(6.22)**

Table21: Summary of Additional Capitalization - Unit # 3 (Rs. Crore)

Particulars	Proposed	Approved in MYT Order	Difference
Capitalization- Standalone	0.18	2.40	(1.70)
Capitalization- Apportioned for Common Facilities	0.52		
Total Additional Capitalization	**0.70**	**2.40**	**(1.70)**

Table22: Summary of Additional Capitalization - Unit 2&3 (combined) (Rs. Crore)

Particulars	Proposed	Approved in MYT Order	Difference
Capitalization- Standalone	0.18	9.14	(7.92)
Capitalization- Apportioned for Common Facilities	1.04		
Total Additional Capitalization	**1.22**	**9.14**	**(7.92)**

D.4.5 Decapitalization for FY 2022-23 as per Books.

72. Further, as per the "Statement of Unit wise deletion to Property, Plant and Equipment (excluding CWIP) of Jojobera generation plant ('Jojobera Division') of the Company for the year ended March 31, 2023", total decapitalization in books for Unit 2 was Rs. 0.046 Crore & 3.028 Crore for Unit 3. The certificate of the Statutory Auditor for decapitalization during the year is annexed hereto and marked as **ANNEXURE-P13**. Considering decapitalization as per certificate and after following the methodology of allocation of decapitalization towards common assets to each Units based on installed capacity, adjustment of decapitalization done provisionally in previous years, the Unit wise decapitalization for FY 2022-23 has been worked out and is presented in the Table below.
73. It is submitted that, except decapitalization of IT Assets and Vehicles, the decapitalization of other assets is specific to individual Units. Therefore, decapitalization towards IT Assets have been apportioned and allocated to Unit 2 and Unit 3. Total decapitalization towards IT assets and vehicles for all the Units is Rs. 10.44 Lakh and allocations to Unit 2 & 3 is Rs. 4.57 Lakh respectively.

Table23: Summary of Scheme-wise Decapitalization (In Rs. Crore) for FY 2022-23 in Books

Scheme/Particulars	Standalone Unit 2	Standalone Unit 3	Common allocated to Unit 2 & 3
Laptops/IT Equipment's			0.046
Up Gradation of FSSS and BOP Control System		3.028	
Grand Total		**3.028**	**0.046**

74. With regard to decapitalization against scheme of 'Upgradation of FSSS and BOP Control System' for Unit 3, it is humbly submitted that the Petitioner in past had provisionally, based on methodology of de-inflated cost as explained in the subsequent paragraphs, arrived at the estimated historical value and considered the same for the purpose of decapitalization in the petition for Truing-up of FY 2020-21 corresponding to the capitalizations in those years which were subject to re-conciliation and adjustment in the GFA once the actual decapitalizations is available in the books of Account.

75. The Petitioner, therefore, in terms of the above liberty and considering the decapitalized amount of Rs. 300.62 Lakh available/reflected in the Books of March 23 reconciled with the provisional decapitalization as proposed in the Petition for truing of FY 2020-21. Accordingly, it has proposed adjustment of the difference between the provisional vis-à-vis actual decapitalization in the GFA of FY 23 in the Truing-up Petition for FY 23 considering difference to be minimal. The decapitalization against the scheme of '(FSSS) and BOP Control System' for Unit 3 is named as 'Thermal Gen. Plant and Machinery for Unit 3' with Asset No. 125002388 in the Audited Statement of Deletions for FY 23 which is enclosed as ANNEXURE P13. Above is summarized in the Table below:

Table24: Reconciliation of Decapitalization (In Rs. Crore) for FY 2022-23 in Books

Name of the Scheme: Upgradation of FSSS and BOP Control System		Reconciliation of Provisional and Actual Decapitalization			
	Unit	FY-21	FY-22	FY-23	Total
Actual Decapitalization (i)	U3			3.006	3.006
Amount Provisionally Decapitalized (ii)	U3	3.125			3.125
Diff (i - ii)					-0.119

76. In view of above adjustments, the excess decapitalization of Rs. 0.119 Crore (Rs. 11.87 Lakh) is required to be reversed/added back in GFA of FY 23. In view of the above submissions, the decapitalization as per books after adjustments of decapitalization done in FY 21 is summarized in the Table below for kind consideration of the Hon'ble Commission:

Table25: Summary of Asset Class-wise Decapitalization (In Rs. Crore) for FY 2022-23 in Books after adjustment of decapitalization performed in FY 21

Scheme/Particulars	Standalone Unit 2	Standalone Unit 3	Common allocated to Unit 2 & 3
Procurement of Laptops/IT Equipment's			0.046
Up Gradation of FSSS and BOP Control System		-0.119	
Grand Total		**-0.119**	**0.046**

D.4.6 Decapitalization for FY 2022-23 not performed in Books

77. In addition to decapitalization in books, the Petitioner is also proposing decapitalization of some of the Replaced Assets of 2022-23 for which decapitalization has not been performed in books of FY 2022-23. Assessments for some of them are in process, and, hence, will reflect in next year accounts. This is mainly because, the removed assets are assessed from the point that whether the asset has any future utilization or not and the process also involves multiple approvals which itself takes some time.
78. It is also submitted that some of the removed assets are being used in rotation for overhaul or kept as emergency spare to be used during breakdowns and, hence, entail future economic value. However, in compliance to Hon'ble Commission observations in previous Tariff Order, such removed assets are decapitalized for the purpose of Tariff computations without prejudice to Petitioner's rights on its stand in this regard.
79. For replaced assets whose carrying/original cost is available in the books of account, De-capitalisation of the same has been/is being done as per said book value or an estimate of such book value. However, for Additional Capitalisation Schemes involving replacement of Small Part/Component of some Package or Major Equipment, the Petitioner is finding difficulty in tracing out the break-up of

such Package/ Major Equipment in books of account to find out original cost of such small part/components. In absence of required break-up, to arrive at Original/Historical Cost of each replaced asset, the Petitioner has worked out the de-inflated Cost of Additional Capitalization backwards from year of replacement up to the year 2000-01 when original equipment's were procured and commissioned, using annual inflation rates worked out with 60%:40% WPI:CPI ratio.

80. It is noteworthy that Petitioner in accordance with above methodology had proposed for decapitalization for previous years in MTR and MYT Petition. The Hon'ble Commission, accordingly, after due prudence check had allowed decapitalization of replaced assets as per above approach.

81. It is further submitted that, for reasons as stated above, presently some of the assets are being assessed for estimated book value and book entries will be passed subsequently. Pending decapitalization in books and availability of actual decapitalization figures, Petitioner for the purpose of Tariff is considering the estimated value in terms of the methodology as approved by the Hon'ble Commission earlier and, hence, seeks liberty of the Hon'ble Commission to bring the actual decapitalization as per books as and when it is available and to adjust the difference between the provisional decapitalization done now with actual decapitalization as per books next year in the GFA.

82. In view of foregoing, Petitioner requests this Hon'ble Commission to approve the proposed decapitalization against the replaced assets as summarized in the Table below and grant liberty as requested in above paragraph.

Table26: Summary of Scheme-wise Decapitalization in addition to Books (In Rs. Crore) for FY 2022-23-U#2&3

Scheme/Particulars	Standalone Unit 2	Standalone Unit 3	Common allocated to Unit 2 & 3
Replacement of Dead Tank CT with Live Tank CT			0.039
CHP PLC upgradation			0.190
Total	**0.000**	**0.00**	**0.229**

83. Pursuant to above scheme-wise details, asset class-wise total decapitalization works out as follows:

Table27: Summary of Scheme-wise Total Decapitalization (In Rs. Crore) for FY 2022-23- U#2&3

Scheme/Particulars	Original/ Add cap	Standalone Unit 2	Standalone Unit 3	Common allocated to Unit 2 & 3	Unit 2 with Common Allocations	Unit 3 with Common Allocations
Procurement of Laptops/IT Equipment's	Add Cap			0.046	0.023	0.023
Up Gradation of FSSS and BOP Control System	Org		-0.119		0.000	-0.119
Replacement of Dead Tank CT with Live Tank CT	Org			0.039	0.020	0.020
CHP PLC upgradation	Org			0.190	0.095	0.095
Grand Total			**-0.119**	**0.275**	**0.137**	**0.019**

Table28: Break-up of Decapitalization (In Rs. Crore) for Original Project cost and Add Cap for FY 2022-23 – U#2&3

Decapitalization	Unit 2 Standalone	Unit 3 Standalone	Common Allocated to Unit 2 & 3	Unit 2 Standalone with Common Allocations	Unit 3 Standalone with Common Allocations
Original		-0.119	0.229	0.115	-0.004
Add Cap		0.000	0.046	0.023	0.023
Total		-0.119	0.275	0.137	0.019

84. The Gross Fixed Assets of the Unit 2 and Unit 3 for FY 2022-23 work out as follows

Table29: Gross Fixed Assets (In Rs. Crore) of Unit # 2 - FY 2022-23

Particulars	Proposed	Approved in MYT Order
GFA at the beginning of FY 2022-23	491.25	499.96
Addition during FY 2022-23	0.52	6.74
Deletion During FY 2022-23 in Org Project Cost	-0.11	-1.94
Deletion During FY 2022-23 in Add Cap	-0.02	
Closing GFA at the end of FY 2022-23	**491.63**	**504.76**

Table30: Gross Fixed Assets (In Rs. Crore) of Unit # 3 - FY 2022-23

Particulars	Proposed	Approved in MYT Order
GFA at the beginning of FY 2022-23	475.72	488.65
Addition during FY 2022-23	0.70	2.40
Deletion During FY 2022-23 in Org Project Cost	0.004	-0.58
Deletion During FY 2022-23 in Add Cap	-0.02	
Closing GFA at the end of FY 2022-23	**476.40**	**490.47**

Table31: Gross Fixed Assets (In Rs. Crore) of Unit # 2 & 3(Combined) - FY 2022-23

Particulars	Proposed	Approved in MYT Order
GFA at the beginning of FY 2022-23	966.97	988.61
Addition during FY 2022-23	1.22	9.14
Deletion During FY 2022-23 in Org Project Cost	-0.11	-2.52
Deletion During FY 2022-23 in Add Cap	-0.05	
Closing GFA at the end of FY 2022-23	**968.03**	**995.23**

D.4.7 Financing of Additional Capitalization

85. It is submitted that Tata Power has financed the Additional Capitalization from internal accruals and no specific Loan has been taken for any Capex Scheme. In accordance with the Generation Tariff Regulations 2020, Tata Power has considered the financing of Additional Capitalization at Normative Debt: Equity ratio of 70:30 for FY 2022-23 and is summarized in the following Table.

Table32: Financing Structure of Additional Capitalization - Unit # 2 (Rs. Crore)

Particulars	Proposed	Approved in MYT Order	Difference
Normative Debt Component (70% of Capitalized Cost)	0.36	4.72	(4.36)
Normative Equity Component (30% of Capitalized Cost)	0.16	2.02	(1.87)
Total Additional Capitalization	**0.52**	**6.74**	**(6.22)**

Table33: Financing Structure of Additional Capitalization - Unit # 3 (Rs. Crore)

Particulars	Proposed	Approved in MYT Order	Difference
Normative Debt Component (70% of Capitalized Cost)	0.49	1.68	(1.19)
Normative Equity Component (30% of Capitalized Cost)	0.21	0.72	(0.51)
Total Additional Capitalization	**0.70**	**2.40**	**(1.70)**

Table34: Financing Structure of Additional Capitalization - Unit #2& 3 (Combined) (Rs. Crore)

Particulars	Proposed	Approved in MYT Order	Difference
Normative Debt Component (70% of Capitalized Cost)	0.85	6.40	(5.55)
Normative Equity Component (30% of Capitalized Cost)	0.36	2.74	(2.38)
Total Additional Capitalization	**1.22**	**9.14**	**(7.92)**

D.5 ANNUAL FIXED CHARGES FY 2022-23

86. Generation Tariff Regulation 2020 stipulates regarding the Annual Fixed Cost as following:

(a) Return on Equity(Pre-tax);

(b) Interest and Financing Charges on Loan Capital;

(c) Depreciation;

(d) Operation and Maintenance Expenses;

(e) Interest Charges on Working Capital;

(f) Less: Non-tariff Income

D.5.1 Return on Equity (Pre-tax) FY 2022-23

87. In accordance with Regulation 15.9 and Regulation 15.10 of Generation Tariff Regulations, 2020 alongwith 1st Amendment to GTR 2020 read with Regulation 15.11 and considering the estimated Additional Capitalization and

decapitalization during 2022-23 as discussed in the preceding sections, the Petitioner has computed RoE (Pre-Tax) as presented in the following Table.

88. For the purpose of Truing-up The Petitioner wishes to submit that the company has transitioned to the new tax regime and, accordingly, the applicable Tax rate of 25.168% (22%*1.10*1.04) (i.e. 22% (with surcharge of 10% and cess of 4%), as per Section 115BAA of the Income Tax Act, has been considered for the purpose of Truing-up and computing Pre-Tax return.

89. The above approach is in line with the MYT Order passed by the Hon'ble Commission on 04.11.2022

Table35: Return on Equity (Pre-tax) (In Rs. Crore) for FY 2022-23 - Unit # 2

Particulars	Proposed	Approved in MYT Order	Difference
Opening Equity	147.38	149.99	(2.61)
Addition	0.11	1.44	(1.33)
Closing Equity	147.49	151.43	(3.94)
Avg Equity	147.43	150.71	(3.27)
Rate of Return on Equity	15.00%	14.00%	1.00%
Applicable Tax Rate	25.17%	25.17%	0.00%
Rate of Pre-Tax Return on Equity	20.05%	18.71%	1.34%
Return on Equity (Pre-Tax)	**29.55**	**28.20**	1.36

Table36: Return on Equity (Pre-tax) (In. Rs. Crore) for FY 2022-23 - Unit # 3

Particulars	Proposed	Approved in MYT Order	Difference
Opening Equity	142.72	146.60	(3.88)
Addition	0.20	0.55	(0.34)
Closing Equity	142.92	147.14	(4.22)
Avg Equity	142.82	146.87	(4.05)
Rate of Return on Equity	15.00%	14.00%	1.00%
Applicable Tax Rate	25.17%	25.17%	0.00%
Rate of Pre-Tax Return on Equity	20.05%	18.71%	1.34%
Return on Equity (Pre-Tax)	**28.63**	**27.48**	1.15

Table37: Return on Equity (Pre-tax) (In. Rs. Crore) for FY 2022-23 - Unit # 2&3(Combined)

Particulars	Proposed	Approved in MYT Order	Difference
Opening Equity	290.09	296.58	(6.49)
Addition	0.32	1.99	(1.67)
Closing Equity	290.41	298.57	(8.16)
Avg Equity	290.25	297.58	(7.32)
Rate of Return on Equity	15.00%	14.00%	1.00%
Applicable Tax Rate	25.17%	25.17%	0.00%
Rate of Pre-Tax Return on Equity	20.05%	18.71%	1.34%
Return on Equity (Pre-Tax)	**58.18**	**55.67**	2.51

D.5.2 Interest and Financing Charges on Loan

90. With regard to computation of Interest on Loan for 2022-23, it is submitted that repayment of Long-term Loan on Original Project Cost of Unit 2 & Unit 3 have been completed in the year FY 2009-10 and 2010-11 respectively. Since all subsequent Additional Capitalization have been done through internal accruals, 70% of the same is considered as Normative Loan. The present computation is limited to computation of interest on loan on Normative Loan arising on account of Additional Capitalizations undertaken from 2011-12 onwards. Hence, for the purpose of repayment, Petitioner has considered the depreciation only on additional capitalizations as deemed repayment.

91. Tata Power, for the purpose of the computation of Interest on Loan for FY 2022-23, followed the above approach as submitted in the previous Petitions and also approved by the Hon'ble Commission. The closing loan for FY 2021-22 as submitted in the Petition for Truing-up of FY 2021-22 has been considered as the Opening loan for 2022-23. Further, interest Rate of has been considered as Bank Rate plus 200 basis points as on 01.04.2022 i.e. 1st April of respective year of the Control Period i.e. at 9.00% for Unit 2 and Unit 3 in accordance with Regulations 15.18 of the JSERC Generation Tariff Regulations 2020 for working out the interest

on loan on Additional Capitalization. Also, adjustment due to deletion on outstanding loan has been considered as nil since IT Assets are the only assets which have been decapitalized excluding assets under the Original Project cost on which normative interest on loan is claimed. There is no normative outstanding loan on IT assets as cumulative depreciation of more than 70% has been recovered against these Assets.

92. The detailed computation of Interest on Loan for FY 2022-23 on Additional Capitalization is provided in the following Tables.

Table38: Interest on Loan (In Rs. Crore) for FY 2022-23 - Unit # 2

Particulars	Proposed	Approved in MYT Order	Difference
Opening Loan	17.89	27.82	(9.93)
Additional Capitalization during the year	0.52	6.74	(6.22)
Additional Loan due to addition during the year (70% of Add Cap)	0.36	4.72	(4.36)
Deletion during the year excluding deletion pertaining to Original Project Cost	-0.02	0.00	(0.02)
Adjustment due to deletion(reduction of outstanding loan)	0.00	0.00	0.00
Repayment (=Depreciation on Add Cap)	9.65	8.09	1.56
Closing Debt	8.60	24.45	(15.85)
Average Loan Balance	13.24	26.13	(12.89)
Computation of IoL			
Rate of Interest (SBI 1yr MCLR + 2%)	9.00%	9.00%	
Interest on Loan	1.19	2.35	(1.16)

Table39: Interest on Loan (In Rs. Crore) FY 2022-23 - Unit # 3

Particulars	Proposed	Approved in MYT Order	Difference
Opening Loan	18.56	24.92	(6.36)
Additional Capitalization during the year	0.70	2.40	(1.70)
Additional Loan due to addition during the year (70% of Add Cap)	0.49	1.68	(1.19)
Deletion during the year excluding deletion pertaining to Original Project Cost	-0.02	0.00	(0.02)
Adjustment due to deletion (reduction of outstanding loan)	0.00	0.00	0.00
Repayment (=Depreciation on Add Cap)	7.92	8.85	(0.93)
Closing Debt	11.13	17.75	(6.62)
Average Loan Balance	14.84	21.34	(6.49)
Computation of IoL			
Rate of Interest (SBI 1yr MCLR + 2%)	9.00%	9.00%	
Interest on Loan	1.34	1.92	(0.58)

Table40: Interest on Loan (In Rs. Crore) FY 2022-23 - Unit # 2&3(Combined)

Particulars	Proposed	Approved in MYT Order	Difference
Opening Loan	36.45	52.74	(16.29)
Additional Capitalization during the year	1.22	9.14	(7.92)
Additional Loan due to addition during the year (70% of Add Cap)	0.85	6.40	(5.55)
Deletion during the year excluding deletion pertaining to Original Project Cost	-0.05	0.00	(0.05)
Adjustment due to deletion (reduction of outstanding loan)	0.00	0.00	0.00
Repayment (=Depreciation on Add Cap)	18.09	8.09	10.00
Closing Debt	19.22	51.05	(31.83)
Average Loan Balance	27.83	51.89	(24.06)
Computation of IoL			
Rate of Interest (SBI 1yr MCLR + 2%)	9.00%	9.00%	
Interest on Loan	2.50	4.67	(2.17)

D.5.3 Depreciation FY 2022-23

93. Regulation 15.30 of GTR 2020 provides following regarding computation of Depreciation:

"Depreciation

> *"15.30 Depreciation shall be calculated annually, based on 'Straight Line Method' at rates specified in Appendix-I. The base value for the purpose of depreciation shall be original cost of the asset:*
> *Provided that the Generating Company shall ensure that once the individual asset is depreciated to the extent of seventy (70) percent of the Book Value of that asset, remaining depreciable value as on March 31 of the year closing shall be spread over the balance useful life of the asset;*
> *Provided that in case the tenure of PPA executed between the Generating plant and Beneficiaries is more than that of the Useful life of the plant, the Commission after prudence check may consider the PPA life for spreading the remaining depreciable value as on March 31 of the year instead of useful life;*
> *Provided that in case after carrying out the residual life assessment, it is found that the residual life of the generating station or unit as the case may be is beyond the useful life specified in these regulations the Commission after prudence check, may spread the remaining depreciable value to be recovered over the extended life of the plant."*

It is submitted that Petitioner in accordance with Regulation 15.30 of Generation Tariff Regulations, 2020 and the approach followed by the Hon'ble Commission in the MYT Order dated 04.11.2022 has calculated the depreciation for FY 23 except for spreading the balance depreciable value for which the Petitioner has considered the useful life of 25 years to work out the balance life whereas the Hon'ble Commission in the MYT Order has considered the PPA period of 30 years to work out the balance life. Relevant extract of the MYT Order is reproduced below for kind reference of the Hon'ble Commission:

> *8.24 The Commission has scrutinised the detail submitted by the Petitioner, observes that the Plant is in its fag life and* ***overall depreciation of the generating stations had reached 70% for both the Units****. Hence, in accordance with proviso of Regulations 15.30, the Commission has computed the deprecation for the Control Period from FY 2021-22 to FY 2025-26.*
>
> *8.25 As per Regulation the Useful life of the generating station is 25 years, however, the Petitioner had executed the Power Purchase Agreement*

(PPA) with the Beneficiary for 30 years. Such signing of PPA, clearly infer that both the Petitioner and Beneficiary are aware that the existing plant is able to stand even after 25 years. Further, depreciating the legitimate depreciable amount in 25 years will defeat the purpose of reliability and economical power which is the attribute of long term PPA.

8.26 Hence, the Commission in view of PPA tenure, has spread the remaining depreciable amount in PPA life (30 years) which shall economise the power cost, and has approved the depreciation taking into PPA life instead of Useful life.

94. Pursuant to above and noting that the cumulative depreciation on total assets [i.e. GFA (Including Additional Capitalization)] has crossed 70% for both the Units 2 and 3, the Petitioner in terms of above Order of the Hon'ble Commission and in accordance with Regulation 15.30, has spread the balance depreciable value (i.e. 90% of the Capital Cost minus Cumulative depreciation recovered for assets in service upto 2021-22) over the balance useful life (taking useful life of 25 years specified in Regulations) of the Plant. For determining combined depreciation for the station balance useful life 4.32 years has been arrived at by deducting the life lapsed (20.68 years) upto 31.03.2022 from effective COD of Units 2&3 i.e., (02.08.2001 -Average of COD Unit 1 (01.04.2001) & Unit 2 (01.04.2002)) from useful life of 25 years.

95. In view of the above submissions, it is respectfully prayed before this Hon'ble Commission to kindly approve the proposed depreciation for 2022-23 as presented in the Tables below.

Table41: Depreciation (In Rs. Crore) for FY 2022-23 - Unit # 2

Particulars	Formulae	Total	Org	Add Cap	Total
		FY 22	FY 23	FY 23	FY 23
Opening GFA	a	488.62	411.88	79.37	491.26
Addition (as proposed)	b1	3.03	0.00	0.52	0.52
Deletion (as proposed)	b2	0.39	0.11	0.02	0.14
Closing GFA	c = a+b1-b2	491.26	411.77	79.87	491.64
Avg GFA	d = (a+c)/2	489.94	411.83	79.62	491.45
Depreciable Value @90%	e = dx90%	440.95	370.64	71.66	442.30
Cumulative depreciation allowed upto beginning of the year	f	373.59	353.39	33.07	386.46
Less: Adjustment for Decapitalisation	g	0.75	0.29	0.02	0.31
Opening Cumulative Depreciation [Value, %]	h = f-g	372.83	353.10	33.05	386.14
	i = h/c	76%	86%	42%	79%
Balance Depreciable Value	J=e-h	68.11	17.55	38.61	56.16
Balance Useful life at the beginning of the year	k=25-Age	5	4.00	4.00	4.00
Annual Depreciation (spread in balance useful life)	**l=j/k**	13.62	4.39	9.65	14.04
Closing Cumulative Depreciation [Value]	m=h-l	386.46	357.48	42.70	400.18

Table42: Depreciation (In Rs. Crore) for FY 2022-23- Unit # 3

Particulars	Formulae	Total	Org	Add Cap	Total
		FY 22	FY 23	FY 23	FY 23
Opening GFA	A	473.22	401.47	74.26	475.73
Addition (as proposed)	b1	2.61	0.00	0.70	0.70
Deletion (as proposed)	b2	0.10	0.00	0.02	0.02
Closing GFA	c = a+b1-b2	475.73	401.48	74.94	476.41
Avg GFA	d = (a+c)/2	474.48	401.48	74.60	476.07
Depreciable Value (@90% of Closing GFA)	e = dx90%	427.03	361.33	67.14	428.47
Cumulative depreciation recovered till beginning of the year	F	348.84	330.42	27.55	357.97
Less: Cumulative depreciation adjustment on account of Decapitalisation	g	4.67	0.03	0.02	0.05
Opening Cumulative Depreciation [Value, %]	h = f-g	344.16	330.39	27.53	357.92
	i = h/c	73%	82%	37%	75%
Balance Depreciable Value	J=e-h	82.87	30.94	39.60	70.55
Balance Useful life at the beginning of the year	k=25-Age	6	5	5	5
Annual Depreciation on total GFA [Since, cum dep > 70%, to be spread in balance useful life respectively	l=j/k	13.81	6.19	7.92	14.11
Closing Cumulative Depreciation [Value]	m=h-l	357.97	336.57	35.45	372.03

Table43: Depreciation (In Rs. Crore) for FY 2022-23- Unit # 2&3(Combined)

Particulars	Formulae	Total	Org	Add Cap	Total
		FY 22	FY 23	FY 23	FY 23
Opening GFA	A	961.85	813.36	153.63	966.99
Addition (as proposed)	b1	5.64	0.00	1.22	1.22
Deletion (as proposed)	b2	0.49	0.11	0.05	0.16
Closing GFA	c = a+b1-b2	966.99	813.25	154.80	968.05
Avg GFA	d = (a+c)/2	964.42	813.30	154.22	967.52
Depreciable Value (@90% of Closing GFA)	e = dx90%	867.98	731.97	138.80	870.77
Cumulative depreciation recovered till beginning of the year	F	722.51	683.79	60.63	744.42
Less: Cumulative depreciation adjustment on account of Decapitalisation	g	5.53	0.32	0.05	0.36
Opening Cumulative Depreciation [Value, %]	h = f-g	716.99	683.48	60.58	744.06
	i = h/c	74%	84%	39%	77%
Balance Depreciable Value	J=e-h	150.99	48.50	78.22	126.71
Balance Useful life at the beginning of the year	k=25-Age	5	4.32	4.32	4.32
Annual Depreciation on total GFA [Since, cum dep > 70%, to be spread in balance useful life respectively	l=j/k	**27.43**	**11.21**	**18.09**	**29.30**
Closing Cumulative Depreciation [Value]	m=h-l	744.42	694.69	78.67	773.36

Table44: Summary of Depreciation (In Rs. Crore) for FY 2022-23 - Unit # 2

Particulars	Proposed	Approved in MYT Order	Diff
Depreciation on Original Capital Cost	4.39	8.09	5.95
Depreciation on Additional Capitalizations	9.65		
Total Depreciation during the year	**14.04**	**8.09**	5.95

Table45: Summary of Depreciation (In Rs. Crore) for FY 2022-23 - Unit # 3

Particulars	Proposed	Approved in MYT Order	Diff
Depreciation on Original Capital Cost	6.19	8.85	5.26
Depreciation on Additional Capitalizations	7.92		
Total Depreciation during the year	**14.11**	**8.85**	5.26

Table46: Summary of Depreciation (In Rs. Crore) for FY 2022-23 - Unit # 3

Particulars	Proposed	Approved in MYT Order	Diff
Depreciation on Original Capital Cost	11.21	16.94	12.36
Depreciation on Additional Capitalizations	18.09		
Total Depreciation during the year	**29.30**	**16.94**	12.36

D.5.4 Operation and Maintenance Expenses for FY 2022-23

96. As per Regulation 15.40 and 15.42 of the Generation Tariff Regulations, 2020; the Petitioner in the MYT Business Plan and Petition presented the O&M Expenses for Unit 2 and Unit 3 for the Control Period FY 2021-22 to 2025-26 under following categories, viz.,

- Projected O&M Expenses for the Control Period FY 2021-22 to 2025-26
  - Employee Expenses without terminal benefits
  - Repairs & Maintenance (R&M) Expenses
  - Administrative and General (A&G) Expenses
- Raw Water Charges
- Ash Disposal Expenses
- Terminal Benefits
- Application Fee & Publication Expenses

97. Pursuant to above and after due prudence check, the Hon'ble Commission in the MYT Order dated 04.11.2022 approved the O&M expenses for FY 22-26 under the above broad categories and following expenses are allowed on normative and actual basis.

i. O&M expenses viz., Employee Expenses without Terminal Benefits, R&M Expenses, Other A&G Expenses, Head Office Expenses, Legal Expenses are allowed on normative basis as approved by the Hon'ble subject to truing-up of escalation factor in respective years in terms of Note-1 under Regulation 15.42 of GTR 2020. In Addition to it, Employee Expenses shall also be subject to variation in growth factor in respective years.

ii. O&M Expenses namely, Ash Disposal Expenses, Application and Publication Expenses, Terminal Benefits and Raw Water Charges shall be allowed on actual basis subject to prudence check.

98. It is, therefore, humbly submitted that Petitioner for the purpose of Truing-up of FY 23 has claimed the O&M Expenses in accordance with the approach followed and approved by the Hon'ble Commission in the MYT Order. Relevant Extract of the MYT Order with regard to actual escalation factor to be considered for FY 23 in context to employee expenses is reproduced below for kind reference of the Hon'ble Commission.

> *"7.76……..*
> *c) The Base Year expenses so calculated are then* ***escalated with inflation factor of respective years*** *to arrive at normative Employee expenses for FY 2021-22 and* ***for subsequent years*** *normative Employee expenses has been arrived by escalating with average inflation* ***factor of 3.47%*** *(i.e., Avg. Inflation factor of FY 2015-16 to FY 2019-20) for each year of the control period,* ***subject to truing up based on actual****."*

99. Further, in terms of Regulation 15.42(c), the actual Inflation Factor for FY 23 works out to 7.56% (6.053%*0.55+9.409%*0.45) for FY 23. Hence, in terms of above, actual inflation factor of 7.56% is required to be considered in place of 3.47% for the purpose of truing-up and to arrive at the trued-up expenses for FY 23. Detail computations of actual inflation factor for FY 23 is enclosed herewith and marked as **ANNEXURE P14** for kind reference of the Hon'ble Commission.

Employee Expenses

100. In the MYT Petition, for the purpose of projection, growth factor of 1 was considered. However, considering the tighter norms to be met, stringent emission norms to be complied with and to rationalize already lean strength for improving reliability, additional manpower was required out of which 6 was sanctioned in 2020-21, 8 has been added in 2021-22 and 2 in FY 2022-23 for Units 1-4 of the Jojobera Power Plant. Accordingly, Growth Factor, G, specified in GTR 2020 has been revised for three years as follows:

Table47: Revised Growth Factor (G) for FY 2021-22 and FY 2022-23 - Unit # 2&3

Particulars	Submitted for FY 21 and thereafter	Actual as on 31.03.2021	Actual as on 31.03.2022	Actual as on 31.03.2022
Management Cadre	136	142	150	153
Non- Management Cadre	43	43	43	42
Total	**179**	**185**	**193**	**195**
Increase		6	8	2
In % (G)		**3.35%**	**4.32%**	**1.04%**

101. As stated above, Growth factor with regard to employee expenses is subject to truing-up and the Hon'ble Commission in the MYT Order has observed following regarding growth factor:

> *"..7.77 The growth factor is considered as zero, as no additional manpower has been projected by the Petitioner. The Growth factor shall be subject to truing up on the basis of actual nos. of employees……"*

102. Accordingly, Employee Expenses for FY 23 has been revised considering the actual growth factor till FY 21 and for subsequent years of the MYT considering cumulative growth factor upto FY 23 i.e., (1+3.35%)(1+4.32%)(1+1.04%) and further taking into account the actual inflation factor of 7.56% for FY 23 in place of 3.47% as considered in the MYT Order. The revised employee expenses without terminal benefits are summarized below for kind consideration of the Hon'ble Commission:

Table48: Revised Employee Expenses (In Rs. Crore) for FY 2022-23 - Unit # 2&3

Particulars	FY-21 (Base Year)	FY-22	FY-23	FY-24	FY-25	FY-26
Unit-II						
Employee Expenses	7.74	9.07	9.86	10.20	10.55	10.92
Unit-III						
Employee Expenses	7.74	9.07	9.86	10.20	10.55	10.92

103. In the above Table for arriving at the Normative Employee Expenses for FY 24 to FY 26, Normative employee expenses for FY 23 has been further escalated considering escalation factor of 3.47% as approved in the MYT Order and growth factor of 1 which are subject to truing up at actual.

R&M, Other A&G, HO & Legal Expenses

104. Similar to employee expenses, the Hon'ble Commission in Para 7.81(C), 7.82 and 7.88 of the MYT Order has observed truing-up of escalation factor at actual for Other O&M expenses which are allowed on normative basis and extracts of the same are not reproduced herein for sake of brevity. Accordingly, actual inflation factor of 7.56% (as elaborated above) has been considered for the purpose of truing-up in place of inflation factor of 3.47% as approved in the MYT Order. To arrive at the Normative R&M Expenses, Other A&G Expenses, Legal Expenses and HO expenses for FY 23 the approved expenses in the MYT Order for FY 23 is multiplied with the factor (1+7.56%)/(1+3.47%) i.e., inflation of 3.47% is removed and in place of it, the actual inflation of 7.56% has been factored to arrive at the revised Normative Expenses. With actual inflation factor the Normative R&M Expenses, Other A&G Expenses, HO Expenses, Legal Expenses for FY 23 works out to following for Unit 2&3 and the same has been considered for the purpose of Truing-up of FY 23.

Table49: Revised Normative Expenses (In Rs. Crore) for FY 2022-23 - Unit # 2&3

	Unit 2		Unit 3	
Particulars	Approved in the MYT Order	Revised	Approved in the MYT Order	Revised
	FY 23	FY 23	FY 23	FY 23
R&M Expenses	17.09	17.77	15.94	16.57
A&G Expenses	6.58	6.84	6.17	6.41
Legal Expenses	0.01	0.01	0.01	0.01
HO Expenses	13.16	13.68	13.12	13.64

Raw Water Charges

105. Further, for the purpose of True-Up FY 2022-23, raw water expense has been claimed in accordance with the approach adopted by the Hon'ble Commission in the MYT Order i.e. 100% of Base Water Charges and 52% of Water Tax. Accordingly, Total Water charges for FY 23 have been worked out as Rs. 4.15 Crore for Unit 2 and Rs. 4.28 Crore for Unit 3 considering the actual consumption and raw water charge rate applicable for the year and with 100% of Base water

charges plus 52% of Water tax. The audited Profit and Loss Statement of Unit 2 and Unit 3 for FY 2022-23 are annexed hereto and marked as **ANNEXURE P15 (Colly)** for kind perusal of the Hon'ble Commission. The Petitioner has also paid 100% water charges plus 52% of Water Tax as directed in MYT Order and breakup of same is enclosed herewith and marked as **ANNEXURE P16** for kind perusal of the Hon'ble Commission. The Petitioner has proposed Water Charges as per the approach allowed in the MYT Order. The Petitioner, however, reserves its right and craves for liberty to come back to Hon'ble Commission once the Writ Petition filed TSL or decision of the Hon'ble Tribunal in the Appeals against Tariff Order for previous years is finally disposed of for claim of balance Water Charges/Tax alongwith Carrying Cost . Computations of water charges for FY 23 are exhibited below. It may kindly be noted that in case arrears of Water Charges are required to be paid, it may entail huge carrying cost/interest.

Table50: Raw Water Expenses (In Rs. Crore) for FY 2022-23 - Unit # 2&3

Particulars	**Unit wise Water Consumption allocated based on generation (in m^3)**		**Effective Water Rate for FY 2022-23(in Rs./m^3)**	**Water Charges (in Rs. Cr.)**	
	Unit 2 (a)	**Unit 3 (b)**		**Unit 2**	**Unit 3**
Base water charge rate	1993007	2053098	14.15	2.82	2.91
Water tax			12.86	2.56	2.64
Total			27.02	5.38	5.55
Total Water Consumption (c)	8811300				
Total Bill paid (d) excluding TCS & TDS	23,80,47,209				
Allocation to Unit 2	e =d x a/c/10^7			5.38	
Allocation to Unit 3	f =d x b/c/10^7			5.55	
Claim of Water Charges in Unit 2	100% base water charges+@52% for Water Tax as per Order dated 04.11.2022			4.15	
Claim of Water Charges in Unit 2				4.28	

106. The actual Monthly Water Invoices alongwith summary of the same are enclosed and marked as **ANNEXURE P17** (**Colly**)

107. Therefore, in terms of above and pending decision of higher forum on the issue, Tata Power has provisionally considered the amount of Rs. 4.15 Crore and Rs. 4.28 Crore towards Raw water charges for FY 2022-23 for Unit 2 and Unit 3 against the actual billed amount of Rs. 5.38 Crore and 5.55 Crore respectively.

Ash Disposal Expenses:

108. Actual Ash disposal expenses of Rs 2.70 Crore for Unit 2 and Rs. 2.80 Crore for Unit 3 as per the Audited Accounts have been considered for the true-up 2022-23. The audited Profit and Loss Statement of Unit 2 and Unit 3 for FY 2022-23 is already annexed as ANNEXURE P15 for kind perusal of the Hon'ble Commission. Ash disposal expense is claimed on actual basis in view of the judgment of the Hon'ble Tribunal dated 10.08.2016 and in light of the observations of the Hon'ble Commission in previous Order and the recent MYT Order dated 04.11.2022. It is noteworthy that Hon'ble Commission has on the above premise approved the actual ash disposal expenses in case of Jojobera Units 2&3 so far.

109. It is submitted that Actual Ash Disposal Expenses in FY 2022-23 was lower than the earlier projection of Rs. 4.56 Crore in case of Unit 2 and Rs. 4.43 Crore in Case of Unit 3 due to increase in sale of fly ash and revenue generated is already being adjusted in ARR. However, demand of Cement Plants has decreased from the last quarter and is expected to remain so in next financial year. Also, lower number of low lying areas nearby coupled with strict environment norms for disposal of Ash is impacting 100% disposal. Tata Power, however, will strive for 100% disposal of accumulated ash in the subsequent years which may entail higher cost compared to cost approved for FY 24 for reasons stated above.

Terminal Benefits:

110. It is humbly submitted that Terminal Benefits of Rs 0.40 Crore each for Unit 2 and Unit 3 has been claimed as per the Audited Accounts for the true-up 2022-23 in terms of GTR, 2020. Further, Management Certificate certifying the Terminal

Benefits allocated to Unit 2 and Unit 3 for FY 23 is annexed herewith and marked as **ANNEXURE P18** for kind reference of the Hon'ble Commission.

Application and Publication Expenses:

111. It is humbly submitted that in 2022-23, Tata Power incurred expenses of Rs. 14.20 Lakh towards payment of Application Fee for filing of True-up Petition of FY 22 and APR of FY 23 which have been apportioned equally among Unit 2 & Unit 3. Apart from above, the Petitioner further incurred expenses of Rs. 8.84 Lakh towards publication of Public Notice for the Petition for Truing-up for FY 21 in December 2022 and Rs. 17.34 Lakh in February 23 towards publication of Public Notice for the Petition for Truing-up for FY 22 and APR FY 23. The proof of payment of fees and Public Notices are annexed hereto as **ANNEXURE P19** for kind perusal of Hon'ble Commission

Capital Spares:

112. It is humbly submitted that in accordance with Regulation 15.46 of GTR 2020 read with its first amendment, the Petitioner for the purpose of truing-up has considered recovery of balance amount of Rs. 36.90 Lakh in Unit 2 towards approved capital spares namely 'Turbine and Generator Bearing Sets' under Capital Spares. Accordingly, it is requested before the Hon'ble Commission to kindly consider the same for the purpose of True-up of FY 23. The cost of Rs. 36.90 Lakh incurred is reflected in Asset Register and the Statutory Certificate for the same is already enclosed in ANNEXURE P12

113. Based on above, the detailed component-wise summary of the O & M expenses for Unit # 2 & 3 has been shown in the following tables:

Table51: Summary of O & M expenses for FY 2022-23 - Unit # 2 (Rs. Crore)

Particulars	Proposed	Approved in MYT Order	Difference
A: Items Allowed on Normative Basis			
Employee Expenses excluding Terminal Liabilities	9.86	8.70	1.16
Repairs & Maintenance Expenses	17.77	17.09	0.68
Other Admin & General Expenses	6.84	6.58	0.26
Head Office Expenses	13.68	13.16	0.52
Legal Expenses	0.01	0.01	0.00
B: Item Allowed on Actual Basis			
Raw Water Expenses	4.15	5.38	(1.23)
Capital Spares	0.37	0.00	0.37
Ash Disposal Expenses	2.70	4.56	(1.86)
Terminal Liabilities	0.40	0.92	(0.52)
Application fees and Publication Expenses	0.202	0.13	0.07
O&M Expenses	**55.98**	**56.53**	(0.55)

Table52: Summary of O & M expenses for FY 2022-23 - Unit # 3 (Rs. Crore)

Particulars	Proposed	Approved in MYT Order	Difference
A: Items Allowed on Normative Basis			
Employee Expenses excluding Terminal Liabilities	9.86	8.70	1.16
Repairs & Maintenance Expenses	16.57	15.94	0.63
Other Admin & General Expenses	6.41	6.17	0.24
Head Office Expenses	13.64	13.12	0.52
Legal Expenses	0.01	0.01	0.00
B: Item Allowed on Actual Basis			
Raw Water Expenses	4.28	5.35	(1.07)
Ash Disposal Expenses	2.80	4.43	(1.63)
Terminal Liabilities	0.40	0.92	(0.52)
Application fees and Publication Expenses	0.202	0.13	0.07
O&M Expenses	**54.17**	**54.77**	(0.60)

Table53: Summary of O & M expenses for FY 2022-23 - Unit # 2&3(Combined) (Rs. Crore)

Particulars	Proposed	Approved in MYT Order	Difference
A: Items Allowed on Normative Basis			
Employee Expenses excluding Terminal Liabilities	19.71	17.40	2.31
Repairs & Maintenance Expenses	34.34	33.03	1.31
Other Admin & General Expenses	13.25	12.75	0.50
Head Office Expenses	27.32	26.28	1.04
Legal Expenses	0.02	0.02	0.00
B: Item Allowed on Actual Basis			
Raw Water Expenses	8.43	10.73	(2.30)
Capital Spares	0.37	0.00	0.37
Ash Disposal Expenses	5.50	8.99	(3.49)
Terminal Liabilities	0.80	1.84	(1.04)
Application fees and Publication Expenses	0.404	0.26	0.14
O&M Expenses	**110.15**	**111.30**	(1.15)

D.5.5 Interest on Working Capital for FY 2022-23

114. For the purpose of computing Interest on Working Capital, Cost of Coal has been considered as per Energy Charge Rate computed based on the actual weighted average Landed Price of Coal and LDO for FY 2022-23. Further, Rate of interest has been considered as the bank Rate as on 01.04.2022 plus 350 basis point in terms of Regulation 15.26 of GTR 2020. Further, in terms of Regulation 15.23 and approach followed by the Hon'ble Commission in the MYT Order dated 04.11.2022, the computation of Interest on Working Capital for FY 2022-23 has been shown in the following Tables.

Table54: Interest on Working Capital for FY 2022-23 - Unit # 2 (Rs. Crore)

Particulars	Proposed	Approved in MYT Order	Difference
Computation of Cost Elements at Normative Availability			
No. of days in FY	365	365	0.00
Gross Generation at Normative Availability & Aux Power (i) (MUs)	893.52	893.52	0.00
Ex-Bus Generation at Normative Availability & Aux Power (i) (MUs)	813.10	813.10	0.00
Rate of Energy Charges Pertaining to Coal (ii) (Rs/Kwh)	3.133	2.724	0.41
Coal Cost at Normative Availability [=(i)x(ii)]	254.73	221.48	33.25
LDO Cost at Normative Availability	3.35	2.02	1.33
Annual Fixed Charges (excluding Incentive) at Normative Availability	110.93	102.24	8.69
O&M Expenses	55.98	56.53	(0.55)
Working Capital as Maintenance Spares (at 20% of O&M Expenses)	11.20	11.31	(0.11)
Elements of Working Capital			0.00
Working Capital as Coal Cost for 50 days	34.89	30.34	4.56
Working Capital as LDO Cost for 2 months	0.56	0.34	0.22
Working Capital as Receivables for 45 days	45.49	40.16	5.33
Working Capital as O&M Expenses for 1 month	4.67	4.71	(0.05)
Working Capital as Maintenance Spares (at 20% of O&M Expenses)	11.20	11.31	(0.11)
Total Working Capital	**96.81**	**86.85**	9.96
Computation of Interest on Working Capital			0.00
Bank Rate as on 01.04.2022+3.5%	10.50%	10.50%	0.00
Interest on Working Capital	**10.16**	**9.12**	1.05

Table55: Interest on Working Capital for FY 2022-23 - Unit # 3 (Rs. Crore)

Particulars	Proposed	Approved in MYT Order	Difference
Computation of Cost Elements at Normative Availability			
No. of days in FY	365	365	0.00
Gross Generation at Normative Availability & Aux Power (i) (MUs)	893.52	893.52	0.00
Ex-Bus Generation at Normative Availability & Aux Power (i) (MUs)	813.10	813.10	0.00
Rate of Energy Charges Pertaining to Coal (ii) (Rs/Kwh)	3.115	2.796	0.32
Coal Cost at Normative Availability [=(i)x(ii)]	253.30	227.35	25.96
LDO Cost at Normative Availability	3.23	2.02	1.21
Annual Fixed Charges (excluding Incentive) at Normative Availability	108.28	102.24	6.03
O&M Expenses	54.17	54.77	(0.60)
Working Capital as Maintenance Spares (at 20% of O&M Expenses)	10.83	10.95	(0.12)
Elements of Working Capital			0.00
Working Capital as Coal Cost for 50 days	34.70	31.14	3.56
Working Capital as LDO Cost for 2 months	0.54	0.34	0.20
Working Capital as Receivables for 45 days	44.98	40.88	4.09
Working Capital as O&M Expenses for 1 month	4.51	4.56	(0.05)
Working Capital as Maintenance Spares (at 20% of O&M Expenses)	10.83	10.95	(0.12)
Total Working Capital	**95.56**	**87.88**	7.68
Computation of Interest on Working Capital			0.00
Bank Rate as on 01.04.2022 + (3.5%)	10.50%	10.50%	0.00
Interest on Working Capital	**10.03**	**9.23**	0.81

Table56: Interest on Working Capital for FY 2022-23 - Unit # 2&3(Combined)

(Rs. Crore)

Particulars	Proposed	Approved in MYT Order	Difference
Computation of Cost Elements at Normative Availability			
No. of days in FY	365	365	0
Gross Generation at Normative Availability & Aux Power (i) (MUs)	1787.04	1787.04	0.00
Ex-Bus Generation at Normative Availability & Aux Power (i) (MUs)	1626.21	1626.21	0.00
Rate of Energy Charges Pertaining to Coal (ii) (Rs/Kwh)	3.124	2.760	0.36
Coal Cost at Normative Availability [=(i)x(ii)]	508.01	448.83	59.19
LDO Cost at Normative Availability	6.53	4.04	2.49
Annual Fixed Charges (excluding Incentive) at Normative Availability	220.35	104.29	116.06
O&M Expenses	110.15	56.53	53.62
Working Capital as Maintenance Spares (at 20% of O&M Expenses)	22.03	11.31	10.72
Elements of Working Capital			0.00
Working Capital as Coal Cost for 50 days	69.59	61.48	8.11
Working Capital as LDO Cost for 2 months	1.09	0.67	0.42
Working Capital as Receivables for 45 days	90.60	68.69	21.91
Working Capital as O&M Expenses for 1 month	9.18	4.71	4.47
Working Capital as Maintenance Spares (at 20% of O&M Expenses)	22.03	11.31	10.72
Total Working Capital	**192.49**	**146.86**	45.63
Computation of Interest on Working Capital			
Bank Rate as on 01.04.2022 + (3.5%)	10.50%	10.50%	0.00
Interest on Working Capital	**20.21**	**15.42**	4.79

D.5.6 Incentive (Pre-Tax) FY 2022-23

115. Incentive (pre-tax) : Incentives for FY 2022-23 in respect of Unit 2, Unit 3 and Combined Unit 2&3 is computed in terms of Regulation 17.5 of GTR 2020 and presented below for kind consideration of the Hon'ble Commission:

Table57: Incentive for FY 2022-23 - Unit # 2 (Rs. Crore)

Particulars	UoM	Proposed	Proposed in MYT	Difference
No. of Days in a Year	Days	365	365	0.00
Installed Capacity	MW	120	120	0.00
Normative Aux Power Consumption	%	10%	9%	0.01
Normative PLF (NAPLF)	%	85%	85%	0.00
Gross Generation at NAPLF	MUs	893.52	893.52	0.00
Ex-Bus Generation at NAPLF	MUS	804.17	813.10	-8.94
Gross Generation	MUs	881.23	893.52	-12.29
Ex-Bus Generation	MUs	806.29	813.10	-6.81
Excess Generation Corresponding to NAPLF	MUs	2.12	0.00	2.12
Rate of Incentive	Rs/kWh	0.50	0.50	0.00
Incentive Post Tax	**Rs Crore**	**0.11**	**0.00**	**0.11**
MAT Rate	%	25.17%	25.17%	0.00
Incentive (Pre-Tax)	**Rs Crore**	**0.14**	**0.00**	**0.14**

Table58: Incentive for FY 2022-23 - Unit # 3 (Rs. Crore)

Particulars	UoM	Proposed	Proposed in MYT	Difference
No. of Days in a Year	Days	365.00	365.00	0.00
Installed Capacity	MW	120.00	120.00	0.00
Normative Aux Power Consumption	%	10.00%	9.00%	0.01
Normative PLF (NAPLF)	%	0.85	0.85	0.00
Gross Generation at NAPLF	MUs	893.52	893.52	0.00
Ex-Bus Generation at NAPLF	MUS	804.17	813.10	-8.94
Gross Generation	MUs	907.14	893.52	13.62
Ex-Bus Generation	MUs	829.04	813.10	15.94
Excess Generation Corresponding to NAPLF	MUs	24.88	0.00	24.88
Rate of Incentive	Rs/kWh	0.50	0.50	0.00
Incentive Post Tax	**Rs Crore**	**1.24**	**0.00**	**1.24**
MAT Rate	%	0.25	0.25	0.00
Incentive (Pre-Tax)	**Rs Crore**	**1.66**	**0.00**	**1.66**

Table59: Incentive for FY 2022-23 - Unit # 2&3(Combined) (Rs. Crore)

Particulars	UoM	Proposed	Proposed in MYT	Difference
No. of Days in a Year	Days	365	365	**0.00**
Installed Capacity	MW	240	240	**0.00**
Normative Aux Power Consumption	%	10%	9%	**0.01**
Normative PLF (NAPLF)	%	85.0%	85%	**0.00**
Gross Generation at NAPLF	MUs	1787	1787	**0.00**
Ex-Bus Generation at NAPLF	MUS	1608	1626	**-17.87**
Gross Generation	MUs	1788	1787	**1.33**
Ex-Bus Generation	MUs	1635	1626	**9.13**
Excess Generation Corresponding to NAPLF	MUs	27.00	0.00	**27.00**
Rate of Incentive	Rs/kWh	0.50	0.50	**0.00**
Incentive Post Tax	**Rs Crore**	**1.35**	0.00	**1.35**
MAT Rate	%	25.17%	25.17%	**0.00**
Incentive (Pre-Tax)	**Rs Crore**	**1.80**	**0.00**	**1.80**

D.5.7 Operational Gain due to variation in Norms FY 2022-23:

116. The Petitioner has followed Reg. 6. 14 of GTR 2020 read with its 1st Amendment to GTR 2020 for computation of Gain based on the actual performance of the controllable operational parameters. Relevant Regulation 6.14 is extracted hereunder for kind reference of the Hon'ble Commission.

"

6.14 "Sharing of gains due to variation in norms: *The Generating Company shall workout gains based on the actual performance of applicable controllable parameters as under:-*

1. *Station Heat Rate;*
2. *Secondary Fuel Oil Consumption;*
3. *Auxiliary Energy Consumption; and*
4. *Operations and Maintenance Expenses.*

The financial gains by the Generating Company, on account of above controllable parameters shall be shared between the Generating Company and the beneficiaries on annual basis. The financial gains on account of parameters

*(1) to (3) shall be computed as per the following formula for a thermal generating station and shall be shared in the ratio of **50:50** between the generating stations and beneficiaries.*

Net Gain = (ECR_N - ECR_A) x Scheduled Generation;

Where,

***ECR_N:** Normative Energy Charge Rate computed on the basis of norms specified for Station Heat Rate, Auxiliary Energy Consumption and Secondary Fuel Oilconsumption.*

***ECR_A:** Actual Energy Charge Rate computed on the basis of actual Station Heat Rate,Auxiliary Energy Consumption and Secondary Fuel Oil Consumption for the month:….*

*Provided that for generating stations that have signed coal linkage agreement through Shakti Scheme, sharing of gains in the ratio of 75:25 between the generating stations and beneficiaries shall be applicable due to variation in normative controllable operational parameters.**

*6.15 The financial gains on account of Operations and Maintenance Expenses for thermal and hydro stations shall be shared in the ratio of **50:50** between the generating stations and beneficiaries at the time of truing up.*

6.16 The Commission shall also permit pass-through of variations in performance parameters on account of Force Majeure events and due to Change in Law event(s) in the tariff, based on the submission of actual values by the Generating Company and subsequent validation and approval by the Commission."

****Proviso inserted in the Principle Regulations vide amendment dated 3.11.2023***

117. Accordingly, in terms of above Regulation and considering actual performance of FY 23, the Gain due to Operational Performance of SHR, Auxiliary Power Consumption and SFC works out as follows for Unit 2 and 3:

Table60: Operational Gain for FY 2022-23 as per GTR 2020 - Unit # 2&3 (Rs. Crore)

Operational Savings for FY 2022-23 as per GTR 2020					
Particulars	**UoM**		**Unit 2**		**Unit 3**
		Normative	**Actual**	**Normative**	**Actual**
Heat Rate	kCal/kWh	**2567.00**	**2536.09**	**2577.00**	**2533.70**
Auxiliary Power	**%**	**10.00%**	**8.50%**	**10.00%**	**8.61%**
Sp. LDO Consumption	ml/Kwh	0.50	0.09	0.50	0.21
Equivalent GCV of Coal (CVPF) less 85 kCal/kg	Kcal/Kg	3734.69	3734.69	3711.75	3711.75
Equivalent Landed Price of Coal (LPPF)	Rs/Ton	4110.70	4110.70	4046.44	4046.44
Equivalent GCV of LDO (CVPF)	kCal/L	10695	10695	10356	10356
Equivalent Landed Price of LDO (LPPF)	Rs/KL	74077	74077	71491	71491
Energy Charge Rate (ECR)	Rs/kWh	**3.174**	**3.057**	**3.155**	**3.036**
ECR_N - ECR_A	Rs/kWh		**0.117**		**0.119**
Ex-Bus Generation	MU		806.29		829.04
Gain/(Loss) on Operational Parameters	**Rs. Crore**		**9.42**		**9.86**
Gain to be retained by Petitioner (75%)	**Rs. Crore**		**7.06**		**7.40**
Gain to be shared with beneficiaries by Petitioner (25%)	**Rs. Crore**		**2.35**		**2.47**

Table61: Operational Gain for FY 2022-23 as per GTR 2020 - Unit # 2&3 (Combined) (Rs. Crore)

Particulars	**UoM**	**Unit 2+3 (Combined)**	
		Normative	**Actual**
Heat Rate	kCal/kWh	**2572.00**	**2534.89**
Auxiliary Power	**%**	**10.00%**	**8.56%**
Sp. LDO Consumption	ml/Kwh	0.50	0.15
Equivalent GCV of Coal (CVPF) less 85 kCal/kg	Kcal/Kg	3723.03	3723.03
Equivalent Landed Price of Coal (LPPF)	Rs/Ton	4078.03	4078.03
Equivalent GCV of LDO (CVPF)	kCal/L	10458.87	10458.87
Equivalent Landed Price of LDO (LPPF)	Rs/KL	72274.96	72274.96
Energy Charge Rate (ECR)	Rs/kWh	**3.164**	**3.046**
ECR_N - ECR_A	Rs/kWh		**0.118**
Ex-Bus Generation	MU		1635.34
Gain/(Loss) on Operational Parameters	**Rs. Crore**		**19.23**
Gain to be retained by Petitioner (75%)	**Rs. Crore**		**14.43**
Gain to be shared with beneficiaries by Petitioner (25%)	**Rs. Crore**		**4.81**

118. Similarly, in accordance with GTR 2020, Gain in Operation & Maintenance Expenses for FY 23 works out to as follows:

Table62: Gain in O&M Expenses for FY 2022-23 - Unit # 2 (Rs. Crore)

Particulars	Formula	Performance Target Approved	Actual Expenses incurred	Savings
A	B	C	D	E=C-D
O&M Allowed on Normative basis				
Employee Cost exc TL	a	9.86	8.87	0.99
R&M Expenses	b	17.77	11.91	5.86
HO & SS Expenses	c	13.68	9.55	4.13
Other A&G Expenses	d	6.84	8.74	-1.90
Legal Expenses	e	0.01	0.00	0.01
Sub-total 1	**f=a+b+c+d+e**	48.15	39.07	9.08

Table63: Gain in O&M Expenses for FY 2022-23 - Unit # 3 (Rs. Crore)

Particulars	Formula	Performance Target Approved	Actual Expenses incurred	Savings
A	B	C	D	E=C-D
O&M Allowed on Normative basis				
Employee Cost exc TL	a	9.86	8.87	0.99
R&M Expenses*	b	16.57	16.57	0.00
HO & SS Expenses	c	13.64	10.35	3.29
Other A&G Expenses	d	6.41	8.97	-2.56
Legal Expenses	e	0.01	0.00	0.01
Sub-total 1	**f=a+b+c+d+e**	46.49	44.76	1.73

119. With regard to R&M expenses for Unit 3, it is submitted that Annual Shutdown down of Unit 3 had to be deferred to next FY in order to align with the power requirement of TSL and the same was beyond the control of the Tata Power. Therefore, actual R&M Expenses has been considered equal to Normative R&M Expenses as approved in the MYT Order for the purpose of working the savings in O&M expenses invoking power of the Hon'ble Commission under provisions of 'Power to Relax' as specified in GTR 2020. It is settled position of law that 'Power to relax' can be invoked if the Regulations in any manner causing hardship to a party. The savings of this year which would get shared with beneficiaries, would be required to meet the higher R&M Expenses to be incurred in next year and,

hence, sharing of savings will cause financial hardship to the Petitioner because of its no fault. The request of TSL for deferment of Unit Outage has already been annexed under ANNEXURE P11 which was beyond the Control of Tata Power.

120. Further, With regard to gain sharing on O&M expenses it is submitted that 50% of gain on O&M expenses now has to be shared with the beneficiaries in terms of GTR 2020. In this regard it is further submitted that Gain on O&M expenses shall accrue mainly because outage of Units is undertaken in alternate years. This leads to more O&M expenditure in one Unit (having annual shutdown) and lesser in the other (not having annual shutdown) during any financial year. To address this issue the Petitioner had proposed staggered R&M Expenses for each Unit in the MYT Petition with R&M expenses being higher for a Unit in the year in which annual shutdown of that Unit is planned and also R&M expense is highly dependent on quantum of repair work carried out in a year. Therefore, it was submitted that the trend of such expenses does not follow a linear curve and Hon'ble Commission may kindly allow higher R&M expenses in alternate years for each Unit. However, it was proposed that in the year when one Unit has higher R&M, the other Unit would have lower R&M expense. However, Hon'ble Commission in the MYT Order dated 04.11.2022 has considered average of past years for each Unit separately to arrive at normative O&M expenses approved for the MYT Period 2021-22 to 2025-26. This resulted in almost equal and increasing O&M expenses for each Unit in every year of the Control Period and was presumably done considering the fact that both the Units are of almost same vintage and should have similar expenses. This assumption would have been more or less correct with the exception of R&M expenses. However, due to shutdown period of each Unit falling in alternate years, that too may get advanced or deferred as per beneficiary's requirement, the Thus, while one Unit may have sufficient normative expense budget in one year with no outage, leading to savings in that year, 50% of which would be passed on to the consumers. In the next year, the Petitioner would be required to incur higher R&M expenditure than the norm because of Annual Overhauling of the Unit, which needs to be incurred from its pocket since savings of the Previous year is not available with it as it has been shared as per Regulations. Hence, the norms incorrectly show a saving and if it is shared with consumers, the Petitioner would not only incur loss in this year, it will

also incur similar loss in next year as the same phenomenon would happen with the Units interchanged.

121. In order to correct this anomaly, the Petitioner proposes that the for the purposes of sharing gains of O&M expense sharing under Regulation 6.15 of GTR 2020, Hon'ble Commission may kindly consider the O&M expenses for both the Units together and if the actual O&M expenses for both the Units are lower than the overall savings may be shared 50:50 with the consumers with half of 50% allocated to each Unit. Hon'ble Commission is requested to exercise its Power to Relax address this issue.

122. In this regard, the ambit and scope of 'Power to Relax' provisions of a delegated legislation have been interpreted by various Courts and the Hon'ble Appellate Tribunal in a catena of cases. It is settled position of law that 'Power to relax' can be invoked if the Regulations in any manner causing hardship to a party. The relevant judgments in this regard are as follows: -

(a) ***Hari Singh v. State of Rajasthan*****,** 1992 SCC OnLine Raj 210**:** The Hon'ble High Court of Rajasthan in said case has considered and interpreted term "Relax" as follows: -

> ***"16.*** *The Word 'relaxation' has been defined in the aforesaid dictionary as under:—*
> *"Relaxation" the act or fact of relaxing or of being relaxed; an abatement or remission of a penalty or payment: a relaxing or recreative state, activity or pastime; release from or cancellation of legal restriction or penalty: release from a penalty, the lengthening that characterizes inactive muscle fibers or muscles, the adjustment of a system to a state of equilibrium following the abrupt removal of some influence…***"**

(b) ***Haryana Power Purchase Centre v. Haryana Electricity Regulatory Commission*****,** Judgement dated 21.03.2018 in Appeal No. 107 & 117 of 2015**:** The Hon'ble Appellate Tribunal has held as under:

> *"59.3 It is an established fact and also, recognised by the State Commission in their order dated 18.04.2011 that adequate amount for O&M expenses is essential for proper upkeep and maintenance of power plants so far as to drive uninterrupted generation and also optimum efficiency.* ***It is noted that the provision in HRC Regulation, 2008 is only 1% of the capital cost which works out to a meagre amount and not adequate for proper O&M of the***

power plant. *Though, the relaxation is entirely a discretionary power of the Commission, but it is settled law that the discretionary power need to be applied while considering justice and equity without discrimination to any party.*

59.4 We, therefore, find merit in the claim of Lanco for relaxing the O&M norms as has been done in other cases of generators so as to provide equal treatment. In this regard, we also recall the judgment of this Tribunal (154 of 2012) in regard to exercising of discretionary powers Para 29(b) states as :-

> *"**29(b) If there is a power to relax the regulation, the power must be exercised reasonably and fairly. It cannot be exercised arbitrarily to favour some party and to disfavour some other party.***

*59.5 We, therefore, conclude that the **State Commission should have taken a judicious view for allowing adequate O&M expenses to Lanco by relaxing the provisions contained in their Regulation No. 33. It is in the interest of justice & equity to maintain parity between the State Generating Companies and private generating companies (Lanco)** as far as expenditures on Operation and Maintenance are concerned.*"

[***Emphasis supplied***]

(c) ***Tata Power Company Limited v. Jharkhand State Electricity Regulatory Commission & Anr.,*** Judgement dated 20.09.2012 in Appeal No. 189 of 2011 wherein The Hon'ble Appellate Tribunal has held as under:

> *"29. The principles relating to the exercise of power of relaxation laid down in the above decisions referred to above are as follows:*
> *(a) The **Regulation gives judicial discretion to the Commissions to relax norms based on the circumstances of the case. Such a case has to be one of those exceptions to the general rule. There has to be sufficient reason to justify relaxation which has to be exercised only in the exceptional case where non-exercise of the discretion would cause hardship and injustice to a party.***
> *(b) If there is a power to relax the regulation, the power must be exercised reasonably and fairly. It cannot be exercised arbitrarily to favour some party and to disfavour some other party…"*
>
> [***Emphasis supplied***]

(d) ***BSES Yamuna Power Limited Vs. CERC & Ors,***– Appeal Nos. 55 of 2013, 77 of 2013, 194 of 2013, 259 of 2012, 63 of 2013, 143 of 2013, 158 of 2013 & 43 of 2014 wherein The Hon'ble Appellate Tribunal has held as under:

> *"18.1. The main contention of the appellants on these issues is that the 'power to remove difficulties' or 'power to relax' has been conferred upon the learned Commission only to remove the trivial defects or peripheral defects and the said powers can only be exercised to the*

extent necessary to give effect a particular Regulation and such power cannot be exercised when the difficulty arises due to the application of Regulation in question.

18.2. A look at Regulation 12 of 2004 Tariff Regulations makes it clear that this 'power to remove difficulties' can be exercised by the learned Central Commission if any difficulty arises in giving effect to these Regulations and the Commission can make such provision which should not be inconsistent with the said Regulations. Further, the emphasis of the learned counsel for the appellants is on the point that the said power can only be exercised to the extent necessary only for giving effect to a particular Regulation.

18.3. ***We have gone through the judgment of Hon'ble Supreme Court, in Madeva Upendra Sinar Vs.Union of India (supra), in which the Hon'ble Supreme Court held that 'power to remove difficulty' may be exercised when there is a difficulty arising in giving effect to the provisions of the Act and not of any extraneous difficulty. This Appellate Tribunal in the case of NTPC Ltd. Vs. Madhya Pradesh State Electricity Board reported in 2007 ELR (APTEL) 7, held that the power comprised in Regulation 13 of 2004 Tariff Regulations is essentially a 'power to relax'. In case, any Regulation causes hardship to a party or works injustice to him or application thereof leads to unjust result, the Regulation can be relaxed****. The exercise of power under Regulation 13 of 2004 Tariff Regulations is minimized by the requirement to record the reasons in writing by the Commission before any provision of the Regulations is relaxed. This Appellate Tribunal in the reported case clearly held that there is no doubt that the Commission has the power to relax any provision of the Regulations. Such power has to be exercised only in exceptional cases and where non-exercise of the discretion would cause hardship and injustice to a party or lead to unjust result. Further, it has to be established by the party seeking exercise of 'power to remove difficulties' or 'power to relax' that the circumstances are not created due to act of omission or commission attributable to the party claiming the relaxation."*

[***Emphasis supplied***]

123. Accordingly, instead of computing and sharing O&M expense gain separately, the Petitioner has computed the gain collectively (half of which is to be used for each Unit) in the following Table and then the adjustments of gain required for each Unit:

Table64: Savings in O&M Expenses Unit 2+Unit 3 (Combined) for FY 2022-23

Particulars	Formula	Performance Target Approved	Actual Expenses incurred	Savings
		Unit 2+Unit 3		
A	B	C	D	E=C-D
O&M Allowed on Normative basis				
Employee Cost exc TL	A	19.71	17.74	1.97
R&M Expenses	B	34.34	28.48	5.86
HO & SS Expenses	C	27.32	19.90	7.42
Other A&G Expenses	D	13.25	17.71	-4.46
Legal Expenses	E	0.02	0.000	0.02
Sub-total	f=a+b+c+d+e	94.64	83.83	10.81
Gain to be Shared with Beneficiaries of Unit 2 and 3	g=50% of f			5.41

124. The above adjustment in gain of Rs. 5.41 Crore is considered in ARR of respective Units 2 & 3, i.e. Rs. 2.70 Crore with 50:50 gains sharing in each Unit as per Regulations. This will avoid under hardship to the Petitioner.

D.5.8 Non-Tariff Income for FY 22-23:

125. It is humbly submitted that as per Audited P&L Account for Jojobera Unit 2 and 3, following are the Other Revenue as summarized in the Table Below for Unit 2 & 3 for FY 23:

Table65: Other Revenue as per Books of Account of FY 23-Unit 2&3

Sl. No.	Other Revenue as per Audited P/L Account	Unit 2	Unit 3
1	Operating Income Others (Rs.)	18629365	19092405
2	Other Income (Rs.)	16772	16772
3	Total (In Rs.)	18646137	19109177
5	**Total (In Rs. Cr)**	**1.86**	**1.91**

126. Breakup of Other Income Others at Sl. No. 1 of the above Table is summarized below for kind reference of the Hon'ble Commission:

Table66: Break-up (Operating Income Others) in Non-Tariff Income for FY 2022-23 - Unit # 2&3 (Rs.)

Sl. No.	Break-up (Operating Income Others)	Unit2	Unit3
1	OR-Sale of Fly Ash	13550013	14013053
2	OR-Sale of Scrap	4121597	4121597
3	OR-Miscellaneous Revenue	20588	20588
4	OR-Liquidated Damages	711497	711497
5	OR-Liabilities Written Back		-
6	OR-Rental Income from Staff Quarters	225671	225671
7	**Total**	**18629365**	**19092405**

127. Further, Other Income at Sl. No. 2 of the Table of Other Revenue as per Books is basically the Interest income on loans / advances to employees, which are given out of Petitioner's own funds and therefore it has not been considered under non-tariff income.

Table67: Non-Tariff Income for FY 2022-23 - Unit # 2&3 (Rs. Crore)

Non-Tariff Income	Unit 2	Unit 3
Operating Income Others		
Total (In Rs.)	18629365	19092405
Total (In Rs. Cr)	**1.86**	**1.91**

128. Further, Management Certificate certifying the Break-up of the Non-Tariff Income of Unit 2 and Unit 3 for FY 23 is annexed herewith and marked as **ANNEXURE P20** for kind reference of the Hon'ble Commission.

129. With regard to sale of scrap, it is submitted that scrap consist of both scraps i.e. routine scrap of O&M items and sale of decapitalized assets. Since, recovery of the entire depreciation post decapitalization is not allowed/not recovered (10% depreciation is not allowed considering it to be scrap value), sharing of revenue on such count is double counting the same effect for the Generating Company. However, as of now the Petitioner has not segregated the value of scrap sale for O&M and Capital items being a lengthy exercise. The Petitioner seeks liberty to bring the revenue on account of sale of regular scrap and revenue from sale of decapitalized assets and to recover such differential amount in ARR for subsequent years. Similarly, liquidated damages may relate to capital works or

O&M works. O&M related LD need not be considered as non-tariff income as O&M expense is allowed on normative basis irrespective of actual expense/saving. In the absence of data separately, the Petitioner has treated entire amount as non-tariff income and seeks liberty to come back for correction with only capital related LDs once break-up of the same is available.

D.5.9 Annual Fixed Charges for FY 2022-23

130. The various elements of proposed Annual Fixed Charges for FY 2022-23 for the purpose of Truing-up have been summarized in the following Tables. Tata Power humbly requests the Hon'ble Commission to approve the proposed Annual Fixed Charges for FY 2022-23 as presented in the Tables below:.

Table68: Annual Fixed Charges for FY 2022-23 - Unit # 2 (Rs. Crore)

Particulars	Proposed	Approved in MYT Order	Difference
Depreciation	14.04	8.09	5.95
Interest on Loan	1.19	2.35	(1.16)
O&M Expenses	55.98	56.53	(0.55)
Return on Equity (Pre-Tax)	29.55	28.20	1.36
Interest on Working Capital	10.16	9.12	1.05
Total Annual Fixed Charges (excluding Incentive)	**110.93**	**104.29**	**6.65**
Incentive (Pre-Tax)	0.14	0.00	0.14
Total Annual Fixed Charges	**111.08**	**104.29**	**6.79**

Table69: Annual Fixed Charges for FY 2022-23 - Unit # 3 (Rs. Crore)

Particulars	Proposed	Proposed in MYT Petition	Difference
Depreciation	14.11	8.85	5.26
Interest on Loan	1.34	1.92	(0.58)
O&M Expenses	54.17	54.77	(0.60)
Return on Equity (Pre-Tax)	28.63	27.48	1.15
Interest on Working Capital	10.03	9.23	0.81
Total Annual Fixed Charges (excluding Incentive)	**108.28**	**102.24**	**6.03**
Incentive (Pre-Tax)	1.66	0.00	1.66
Total Annual Fixed Charges	**109.94**	**102.24**	**7.69**

Table70: Annual Fixed Charges for FY 2022-23 - Unit # 2&3(Combined) (Rs. Crore)

Particulars	Proposed	Proposed in MYT Petition	Difference
Depreciation	29.30	16.94	12.36
Interest on Loan	2.50	4.27	(1.77)
O&M Expenses	110.15	111.30	(1.15)
Return on Equity (Pre-Tax)	58.18	55.67	2.51
Interest on Working Capital	20.21	18.35	1.86
Total Annual Fixed Charges (excluding Incentive)	**220.35**	**206.53**	**13.82**
Incentive (Pre-Tax)	1.80	0.00	1.80
Total Annual Fixed Charges	**222.15**	**206.53**	**15.62**

D.6 ANNUAL REVENUE REQUIREMENT FOR FY 2022-23

131. The Annual Revenue Requirement & Generation Tariff of Jojobera Unit 2, Unit 3 and Unit 2&3(combined) for FY 2022-23 is summarized in the following Tables.

Table71: Annual Revenue Requirement FY 2022-23 for Unit # 2

Particulars	UoM	Proposed	Approved in MYT Order	Difference
Depreciation	Rs Crore	14.04	8.09	5.95
Interest on Loan	Rs Crore	1.19	2.35	(1.16)
O&M Expenses	Rs Crore	55.98	56.53	(0.55)
Return on Equity (Pre-Tax)	Rs Crore	29.55	28.20	1.36
Interest on Working Capital	Rs Crore	10.16	9.12	1.05
Total Annual Fixed Charges	**Rs Crore**	**110.93**	**104.29**	**6.65**
Incentive (Pre-tax)	Rs Crore	0.14	0.00	0.14
Annual Fixed Charges (including Incentive)	**Rs Crore**	**111.08**	**104.29**	**6.79**
Energy Charge Rate	Rs/Kwh	3.174	2.749	0.43
Energy Charges	**Rs Crore**	**255.92**	**223.50**	**32.42**
Less: Discount as per [SHAKTI 2&3]	Rs Crore	3.32	3.57	(0.25)
Less: Gain on Operational Parameters[25%]	Rs Crore	2.35	-	2.35
Less: Gain on O&M Expenses[50%]	Rs Crore	2.70	-	2.70
Less: Non-Tariff Income	Rs Crore	1.86	-	1.86
Total Annual Revenue Requirement	**Rs Crore**	**356.75**	**324.21**	**32.54**

Table72: Annual Revenue Requirement FY 2022-23 for Unit # 3

Particulars	UoM	Proposed	Approved in MYT Order	Difference
Depreciation	Rs Crore	14.11	8.85	5.26
Interest on Loan	Rs Crore	1.34	1.92	(0.58)
O&M Expenses	Rs Crore	54.17	54.77	(0.60)
Return on Equity (Pre-Tax)	Rs Crore	28.63	27.48	1.15
Interest on Working Capital	Rs Crore	10.03	9.23	0.81
Total Annual Fixed Charges	**Rs Crore**	**108.28**	**102.24**	**6.03**
Incentive (Pre-tax)	Rs Crore	1.66	0.00	1.66
Annual Fixed Charges (including Incentive)	**Rs Crore**	**109.94**	**102.24**	7.69
Energy Charge Rate	Rs/Kwh	3.155	2.821	0.33
Energy Charges	**Rs Crore**	**261.56**	**229.36**	**32.20**
Less: Discount as per [SHAKTI 2&3]	Rs Crore	3.30	3.60	(0.29)
Less: Gain on Operational Parameters[25%]	Rs Crore	2.47	-	2.47
Less: Gain on O&M Expenses[50%]	Rs Crore	2.70	-	2.70
Less: Non-Tariff Income	Rs Crore	1.91	-	1.91
Total Annual Revenue Requirement	**Rs Crore**	**361.12**	**328.01**	**33.10**

Table73: Annual Revenue Requirement FY 2022-23 for Unit # 2&3(Combined)

Particulars	UoM	Proposed	Approved in MYT Order	Difference
Depreciation	Rs Crore	29.30	16.94	12.36
Interest on Loan	Rs Crore	2.50	4.27	(1.77)
O&M Expenses	Rs Crore	110.15	111.30	(1.15)
Return on Equity (Pre-Tax)	Rs Crore	58.18	55.67	2.51
Interest on Working Capital	Rs Crore	20.21	18.35	1.86
Total Annual Fixed Charges	**Rs Crore**	**220.35**	**206.53**	**13.82**
Incentive (Pre-tax)	Rs Crore	1.80	0.00	1.80
Annual Fixed Charges (including Incentive)	**Rs Crore**	**222.15**	**206.53**	**15.62**
Energy Charge Rate	Rs/Kwh	3.164	2.785	0.38
Energy Charges	**Rs Crore**	**517.43**	**452.86**	**64.57**
Less: Discount as per [SHAKTI 2&3]	Rs Crore	6.62	7.17	(0.55)
Less: Gain on Operational Parameters[25%]	Rs Crore	4.81	0.00	4.81
Less: Gain on O&M Expenses[50%]	Rs Crore	5.41	0.00	5.41
Less: Non-Tariff Income	Rs Crore	3.77	0.00	3.77
Total Annual Revenue Requirement	**Rs Crore**	**718.97**	**652.22**	**66.75**

132. Tata Power humbly prays before this Hon'ble Commission to approve the above proposed Annual Revenue Requirement for FY 2022-23 for combined Unit 2 and Unit 3.

D.7 REVENUE GAP/SURPLUS FOR FY 2022-23

133. It is submitted that there is a variation in the Total Annual Revenue Requirement for FY 2022-23 for Unit 2 & Unit 3 and the Revenue recovered through the Monthly Billing for Unit 2 & Unit 3 in FY 2022-23. The summary of the Monthly Billing as certified by the Statutory Auditors have been furnished in **ANNEXURE P21**. For the purpose of Revenue billed for FY 23, the Petitioner has considered the actual monthly billing plus the amount which had been adjusted for FY 23 and FY 22 after MYT Order dated 04.11.2022 [i.e. Rs. 3,41,26,82,482 = Rs. 3,48,04,41,841 +Rs. (1,28,79,764) + (5,48,79,595)] for Unit 2 and Rs. [3,51,05,13,701 = Rs. 3,48,40,66,927 + Rs. 1,91,38,285 + 73,08,489] for Unit 3 respectively]. Amount pertaining to FY 21-22 i.e. [Rs. (5,48,79,595) for Unit 2 & Rs. 73,08,489 for Unit 3] is adjusted now in Truing-up of FY 23 as it was inadvertently not considered while arriving at the final revenue gap/(surplus) for FY 21-22 in truing-up petition of FY 21-22 as same has been adjusted in month of Nov-22 after MYT Order i.e. after closure of FY 22. It is further worthwhile to mention that the amount adjusted after MYT Order for FY 21 was with respect to True-up Order for FY 21 and relates to refund/recovery for FY 21. It is ,therefore, requested that above amount of FY 22 may also kindly be allowed to be adjusted for the purpose of arriving at the final revenue gap/(surplus) for FY 23.

134. Regulation 7.2, 7.3 & 7.4 of GTR 2020 provides for recovery of Revenue Gap/(surplus) after True-up with carrying cost. The Regulation is reproduced below for the ready reference of the Hon'ble Commission.

> *" 7.2 Where after the truing up, the revenue recovered exceeds the trued up valueapproved by the Commission under these Regulations, the Generating Company shall refund to the Beneficiaries, the surplus amount so recovered as specified in Clause 7.4 of these Regulations.*
> *7.3 Where after the truing up, the revenue recovered is less than the trued up value approved by the Commission under these Regulations, the Generating Company shall recover from the Beneficiaries, the gap amount in accordance with Clause 7.4 of these Regulations.*

7.4 The amount under-recovered or over-recovered, along with simple interest at the rate equal to Bank Rate as on April 01 of the respective year plus 350 basis points, shall be recovered or refunded by the Generating Company in six equal monthly instalments starting within three months from the date of the Tariff Order issued by the Commission……"

135. As per Regulations 7.4, Tata Power is required to recover/refund the Revenue Gap of FY 2022-23 along with Carrying Cost from/to Tata Steel Distribution Licensee. Carrying Cost on the Revenue Gap has been computed from mid of FY 2022-23 till March'24, provisionally as the same may change depending on the date of disposal of the instant Petition and date of actual recovery of Gap.

136. The detailed computation of the same has been shown in the following Tables for kind perusal and consideration of the Hon'ble Commission unit wise and well as combined for Unit 2&3. The applicable interest rate for computation of Carrying Cost for FY 2022-23 and for FY 2023-24 has been considered in accordance with Regulations 7.4 of the Generation Tariff Regulations 2020. In view of the foregoing, Tata Power humbly requests Hon'ble Commission to approve the Revenue Gap/(Surplus) for combined Unit 2 and 3.

Table74: Revenue Gap/(Surplus) along with Carrying Cost for FY 2022-23 for Unit # 2 (Rs. Crore)

Particulars	**UoM**	**Proposed**
Net Annual Revenue Requirement FY 2022-23	Rs Crore	356.75
Actual Revenue Recovered through Billing for FY 23	Rs Crore	341.27
Revenue Gap/(Surplus)	Rs Crore	15.48
Prevailing Bank Rate as on 1st April of 2022	%	10.50%
Carrying Cost for 6 Months, i.e., upto 31.03.2023	Rs Crore	0.81
Prevailing Bank Rate as on 1st April 2023	%	12.00%
Carrying Cost for FY 23-24	Rs Crore	1.86
Proposed Revenue Gap/(Surplus) for FY 22-23 including carrying cost upto March-2024.	**Rs Crore**	**18.15**

Table75: Revenue Gap/(Surplus) along with Carrying Cost for FY 2022-23 for Unit # 3 (Rs. Crore)

Particulars	UoM	Proposed
Net Annual Revenue Requirement FY 2022-23	Rs Crore	361.12
Actual Revenue Recovered through Billing for FY 23	Rs Crore	351.05
Revenue Gap/(Surplus)	Rs Crore	10.06
Prevailing Bank Rate as on 1st April of 2022	%	10.50%
Carrying Cost for 6 Months, i.e., upto 31.03.2023	Rs Crore	0.53
Prevailing Bank Rate as on 1st April 2023	%	12.00%
Carrying Cost for FY 23-24	Rs Crore	1.21
Proposed Revenue Gap/(Surplus) for FY 22-23 including carrying cost upto March-2024.	**Rs Crore**	**11.80**

Table76: Revenue Gap/(Surplus) along with Carrying Cost for FY 2022-23 for Unit #2& 3(Combined) (Rs. Crore)

Particulars	UoM	Proposed
Net Annual Revenue Requirement FY 2022-23	Rs Crore	718.97
Actual Revenue Recovered through Billing for FY 23	Rs Crore	692.32
Revenue Gap/(Surplus)	Rs Crore	26.65
Prevailing Bank Rate as on 1st April of 2022	%	10.50%
Carrying Cost for 6 Months, i.e., upto 31.03.2023	Rs Crore	1.40
Prevailing Bank Rate as on 1st April 2023	%	12.00%
Carrying Cost for FY 23-24	Rs Crore	3.20
Proposed Revenue Gap/(Surplus) for FY 22-23 including carrying cost upto March-2024.	**Rs Crore**	**31.25**

E. ANNUAL PERFORMANCE REVIEW FOR FY 2023-24

137. This Section deals with the Annual Performance Review (**"APR"**) for FY 2023-24, which takes into account the MYT Order passed by the Hon'ble Commission on 04.11.2022 for the Period FY 2022-26 and Generation Tariff Regulations 2020 read with its first amendment. We have considered the actual Operational Performance from April 2023 to October 2023 for the purpose of APR and for the balance months we have considered the estimated Operational Performance. The Financial Performance of FY 2022-23 for the purpose of APR has been revised considering the revised Capitalization and Decapitalization Plan as elaborated/explained in Section D4 of True-up section of the instant Petition. Further, O&M Expenses has been revised considering the revision in inflation factor and growth factor for FY 23 which shall be explained in subsequent paragraph. Water Charges has been considered at 100% Base Water Charges +100% Water Tax in view of the revised water notification which is applicable from the 1st of April 2023 and the revised Water Tax Rate has been agreed by TSL and accordingly, TSL is paying 100% Water Tax to GoJ. Ash Disposal expenses, terminal liabilities and Filing Fees and Publication Expenses has been considered as approved in the MYT Order. Tariff Forms for FY 2023-24 unitwise and combined in hard copy are enclosed herewith as **ANNEXURE P1A-APR(Colly).** The soft copy of filled-up Tariff formats for FY 2023-24 for this purpose alongwith soft copy of Excel Model are annexed hereto as **ANNEXURE P1B-APR (Colly).**

138. The revised projections for FY 2023-24 have been proposed based on the following provisions in the Generation Tariff Regulations 2020:

> *"A 8. Annual Performance Review (APR)*
> *8.1 The Generating Company shall file APR Petition, for Annual Performance Review along with details of capital expenditure, additional capitalization, sources of financing, operations and maintenance expenditure, actual loan portfolio with the interest paid, along with other components of ARR incurred/projected to be incurred for the year under review, as per timelines stipulated in Section A 39 of these Regulations.*
> *8.2 The Generating Company along with Annual Performance Review petition, shall also claim revised ARR for the following year based on the truing up and annual performance review of previous year/s.*

8.3 The Scope of the Annual Performance Review shall be comparison of the approved expenses vis-à-vis revised estimates for the year/s and shall comprise the following:-

a. *Comparison of Performance Targets vis-a-vis revised estimates based on the latest actual data available;*
b. *Comparison of Approved Capital Expenditure and Capitalisation vis-à-vis revised estimates by the Generating Company based on the latest actual data available;*
c. *Comparison of Other Expenses such as Interest on Loan, Interest on Working Capital, Return on Equity, Depreciation and O&M Expenses approved by the Commission vis-à-vis the revised estimates by the Generating Company based on the latest actual data available;*
d. *Computation of the sharing of gains and losses on account of controllable factors for the previous year;*
e. *Approved Revenue vis-à-vis revised estimates based on the latest actual data available;*
f. *Any other Expenses/Revenues impacting ARR.*

……."

139. As evident from the above Regulations, the Hon'ble Commission may revisit the operational and financial projections/forecast approved for the Control Period /or proposed in the MYT Business Plan and Petition for the Control Period including the revised proposal of Additional Capitalization, re-phasing of Capex Schemes approved/proposed during the Control Period FY 2022-26 and, consequently, the Annual Fixed Charges and the Energy Charges for the Financial Year after due prudence check. In view of the above Regulations, we are in this Section covering the actual Operational Performance till October 2023 and estimated performance for the remaining months of FY 2023-24, Variation in Fuel sourcing Plan, Revised Fuel parameters, revised estimates of Additional Capitalization including re-phasing of the certain Approved Schemes of Control Period.

140. Accordingly, the Annual Performance Review exercise for FY 2023-24 has been carried out with regard to the variation in the following parameters vis-à-vis as approved by the Hon'ble Commission in MYT Order dated 04.11.2022.

- Gross Generation;
- Plant/Unit Availability;
- Fuel sourcing including fuel parameters;

- Additional Capitalization and rephasing of the approved schemes;
- O&M Expenses; and

Accordingly, Revised Annual Fixed Charges, Energy Charges and Aggregate Revenue Requirement have been worked out and presented in the subsequent paragraphs.

E.1 OPERATIONAL PERFORMANCE – FY 2023-24

141. The revised Operational Performance of Jojobera Unit 2 and Unit 3 for FY 2023-24 is presented in the following Table based on the actual performance up to the month of October 2023 & projection for the remaining months. The month-wise details of actual/estimated Operational Performance of Units 2 & 3 for FY 2023-24 are annexed hereto and marked as **ANNEXURE P22**.

Table77: Operational Performance for FY 2023-24- Unit # 2

Particulars	UoM	Proposed	Approved in MYT Order	Difference
Unit Capacity	MW	120	120	0.00
Gross Generation	Mus	888.68	895.97	(7.29)
Plant Load Factor	%	84.31%	85.00%	(0.69%)
Auxiliary Power Consumption	Mus	80.32	80.64	(0.32)
Auxiliary Power Consumption	%	9.04%	9.00%	0.04%
Ex-Bus Generation	Mus	808.36	815.33	(6.97)
Plant Availability Factor	%	93.34%	85.00%	8.34%
Gross Heat Rate	kCal/kWh	2567	2525	42.00

Table78: Operational Performance for FY 2023-24 - Unit # 3

Particulars	UoM	Proposed	Approved in MYT Order	Difference
Unit Capacity	MW	120	120	0.00
Gross Generation	Mus	859.35	895.97	(36.62)
Plant Load Factor	%	81.53%	85.00%	(3.47%)
Auxiliary Power Consumption	Mus	78.47	80.64	(2.17)
Auxiliary Power Consumption	%	9.13%	9.00%	0.13%
Ex-Bus Generation	Mus	780.89	815.33	(34.45)
Plant Availability	%	86.44%	85.00%	1.44%
Gross Heat Rate	kCal/kWh	2577	2525	52.00

E.1.1 Generation

142. The Gross Generation of FY 2023-24 is now estimated to be **888.68 MUs** for Unit 2 and **859.35 MUs** for Unit 3 as compared to **895.97 MUs** as approved in MYT Order for both the Units. Accordingly, Plant Load Factors for Unit 2 and Unit 3 works out to **84.31%** and **81.53%** respectively. Gross Generation/PLF of Units 2 is based on demand projected by the beneficiary. Tata Power has, therefore, considered the above generation for the purpose of the Annual Performance Review of FY 2023-24. The month-wise PLF projections given by the beneficiary for the month of November 23 to March-24 is enclosed herewith and marked as **ANNEXURE P24** for kind reference of the Hon'ble Commission.

E.1.2 Auxiliary Power Consumption (AUX)

143. AUX for Unit # 2 & 3 have been estimated considering the Actual AUX up to October 2023 and Normative Aux for the remaining months. Accordingly, the Auxiliary Power Consumption of Unit 2 and Unit 3 for FY 2023-24 works out to 9.04% and 9.13% respectively as compared to Normative Auxiliary Power Consumption of 10% for each Unit as specified in the Generation Tariff Regulations 2020, vide 1st amendment dated 03.11.2023. However, normative Auxiliary Power Consumption of **10%** has been considered for the purpose of APR.

E.1.3 Plant Availability

144. Taking into account the actual Availability of the Units 2 & 3 up to October 2023 and projected availability for remaining months, the Availability of the Unit 2 and Unit 3 is estimated at **93.34%** and **86.64%** respectively for FY 2023-24 as against Normative Plant Availability of **85%** as specified in the Generation Tariff Regulations 2020. As stated in True-up Section Annual Shutdown down is planned for Unit 3 in month of December 2023 which got deferred from last year in view of the power requirement of TSL and pendency of Maintenance of other Units on account of Covid-19. The ASD plan for Jojobera accordingly shall undergo a change from FY 24 onwards compared to ASD plan approved by Hon'ble Commission in MYT Order. In FY 24, Annual Maintenance of Unit 3 is being undertaken in place of Unit 2 as approved. Subsequently, in Next Year Unit 2 shall be undertaken compared to Unit 3 as approved in MYT Order and so on.

E.1.4 Heat Rate

145. Tata Power for the purpose of APR of FY 2023-24 has considered the Normative Heat Rate of **2567 kCal/kWh** for Unit 2 and **2577 kCal/kWh** for Unit 3 as specified in Generation Tariff Regulations 2020 (1st amendment)..

146. The Petitioner in the MYT Petition had discussed on the deterioration of Operational Performance like Auxiliary Power Consumption/Heat Rate/Oil Consumption on account of lower PLF of the Units. In Jojobera, lower PLF is mainly because of the lower demand from the Distribution Licensee and the same is an uncontrollable factor for the Generating Company.

147. Accordingly, in view of above, Petitioner humbly seeks the liberty to approach/seek from this Hon'ble Commission for relaxation in the norms of Heat Rate/SFC consumption and/or Auxiliary Consumption for Jojobera Unit 2 and Unit 3 in line with SGC/IEGC and by exercising its powers conferred under Regulations 33.1 of Generation Tariff Regulations 2020 whenever the actual Heat Rate or Auxiliary Consumption during ensuing years of the Control Period is over and above the Normative Heat Rate or Auxiliary Consumption on account of factors beyond the control of Tata Power.

Table79: Operational Performance for FY 2023-24 - Unit # 2&3 (Combined)

Particulars	UoM	Proposed	Approved in MYT Order	Difference
Unit Capacity	MW	240	240	0.00
Gross Generation	Mus	1748.03	1791.94	(43.90)
Plant Load Factor	%	82.92%	85.00%	(2.08%)
Auxiliary Power Consumption	Mus	158.79	161.27	(2.49)
Auxiliary Power Consumption	%	9.08%	9.00%	0.08%
Ex-Bus Generation	Mus	1589.25	1630.66	(41.42)
Plant Availability	%	89.89%	85.00%	4.89%
Gross Heat Rate	kCal/kWh	2572	2525	47.00

E.2 COAL PARAMETERS – FY 2023-24

E.2.1 Coal Mix and Gross Calorific Value ("GCV") of Primary Coal

148. With regard to Coal Mix proposed for FY 2023-24, it is submitted that there is a variation in coal mix proposed in the instant Petition for the APR of FY 2023-24 compared to fuel mix approved in the MYT Order for FY 23-24. Reasons for the deviation are as mainly as follows:

(a) Restriction in FSA coal supply/ Supply of CCL allocations under RCR mode due to nationwide coal scarcity.

(b) No supply of middling coal from West Bokaro Collieries in view of non-availability of surplus coal beyond their own captive consumption.

149. As Hon'ble Commission may be aware, there is a nation-wide scarcity of coal mainly due to higher demand of electricity vis-à-vis inadequate coal production in the country to meet such demand coupled with logistic congestion. Because of above, subsidiaries of Coal India Limited, viz., CCL, MCL, ECL are not able to maintain steady supply of coal under FSA resulting into critical stocks of coal at Jojobera Power Plant. Accordingly, Tata Power, to manage the crisis has sourced coal other than middling coal from West Bokaro Collieries and coal from e-Auction Route which is transparent as it is organized/facilitated by Government entity and is the cheapest route compared to any other sources viz, private coal or imported coal. The Petitioner has already apprised Hon'ble Commission in its Directive reports for Q1 of FY 24 the reasons for variation in Fuel Mix and Impact on Energy Charge Rate and Energy Charges. The said report is re-enclosed herewith and marked as **ANNEXURE P23** for kind reference of the Hon'ble Commission and details are not repeated herein for sake of brevity.

150. Further, in order to meet the demand of TSL and to bridge the gap of non-availability of middling coal in the remaining months i.e. November 23 to March-24, the Petitioner in addition to the linkage sources has further projected to source the balance coal requirement through Tailing Coal from West Bokaro Collieries of TSL and through e-Auction Route to the extent possible. Only as a last resort, it has envisaged/planned to source coal through Private Washeries/Imported coal to meet the deficit. As an alternative, other coals from TSL West Bokaro Mines can

also be sourced depending upon its availability to meet the coal requirement in balance months of FY 24.

151. In view of above uncontrollable factors, Tata Power had to depend on sources other than sources approved in the MYT Order for meeting the deficit and, accordingly, requests the Hon'ble Commission to kindly approve the Coal mix as proposed below. Moreover, for all procurements other than TSL sources and sources as proposed in the MYT Business Plan, Tata Steel has always been duly informed in advance, which had full knowledge of cost implication and granted prior consent

152. It is submitted that for the purpose of arriving at the projected Fuel Mix for FY 2023-24, actual coal consumption upto month of October 2023 has been taken. Further, Coal Consumption for the balance months has been worked out considering the projected generation, normative operational performance level, considering available fuel supply from Shakti Coal and Tailing Coal as discussed. The balance coal requirement over and above the supply from Shakti Coal and Tailing Coal has been estimated to be met preferably from E-Auction Route and in case of exigencies/constraint it will be sourced from available sources. Above assumptions have been taken considering the past trends/irregular supply from subsidiaries of Coal India Limited.

153. Accordingly, the revised Fuel Mix, GCV and Landed Price of Primary and Secondary Fuel are summarized in the Table below for kind consideration of the Hon'ble Commission for the purpose of APR FY 2023-24.

Table80: Projected Coal Parameters for FY 2023-24- Unit # 2

Particulars	Fuel Mix (%)		GCV (kCal/Kg)			Landed Price (Rs/MT)		
	Proposed	Approved in MYT Order	Proposed	Approved in MYT Order	Diff	Proposed	Approved in MYT Order	Diff
Middling Coal	7.43%	21.25%	3871	3861	10	5226	4223	1003
CCL Shakti R3	42.16%	43.64%	3702	3838	(136)	3230	3654	(423)
CCL Shakti WIV	11.23%	0.00%	3997	0	3997	4828		4828
CCL Shakti	10.80%	14.59%	3682	3838	(155)	3716	3654	63
MCL Shakti	16.66%	14.05%	2896	3130	(234)	2793	2507	286
ECL Shakti	6.64%	6.47%	4741	5109	(368)	5604	5328	276
CCL SFA/E Auction	0.70%	0.00%	3475	0	3475	4268		
WB Reject	0.25%	0.00%	1905	0	1905	4519		
WB Tailing	4.12%	0.00%	4200	0	4200	7403	0	7403
Wt. Avg	100.00%	100.00%	3695	3825	(130)	3878	3722	156
LDO			10695	9100	1595	74077	45198	28879

Table81: Projected Coal Parameters for 2023-24 - Unit # 3

Particulars	Fuel Mix (%)		GCV (kCal/Kg)			Landed Price (Rs/MT)		
	Proposed	Approved in MYT Order	Proposed	Approved in MYT Order	Diff	Proposed	Approved in MYT Order	Diff
Middling Coal	10.10%	21.24%	3926	3860	66	5495	4223	1272
CCL Shakti R3	43.11%	43.64%	3682	3856	(174)	3248	3820	(572)
CCL Shakti WIV	7.47%	0.00%	4032			4820		
CCL Shakti	12.53%	14.60%	3695	3856	(161)	3648	3820	(172)
MCL Shakti	15.55%	14.05%	2902	3107	(205)	2789	2519	270
ECL Shakti	6.82%	6.47%	4662	5001	(339)	5549	5348	202
CCL SFA/E Auction	0.75%	0.00%	3675		3675	4842	0	4842
WB Reject	0.20%		1905			4519		
WB Tailing	3.48%		4203			7384		
Wt. Avg	100.00%	100.00%	3695	3826	(131)	3886	3822	65
LDO			10356.26	9100	1256	71491	45196	26295

Table82: Projected Coal Parameters for 2023-24 - Unit # 2&3 (Combined)

Particulars	Fuel Mix (%)		GCV (kCal/Kg)			Landed Price (Rs/MT)		
	Proposed	Approved in MYT Order	Proposed	Approved in MYT Order	Diff	Proposed	Approved in MYT Order	Diff
Middling Coal	8.74%	21.25%	3902	3860	42	5378	4222.78	1156
CCL Shakti R3	42.63%	43.64%	3692	3847	(155)	3239	3736.86	(498)
CCL Shakti WIV	9.38%	0.00%	4011		4011	4825		4825
CCL Shakti	11.65%	14.59%	3689	3847	(158)	3680	3736.86	(57)
MCL Shakti	16.11%	14.05%	2899	3118	(220)	2791	2512.74	278
ECL Shakti	6.73%	6.47%	4701	5055	(354)	5577	5337.82	239
CCL SFA/E Auction	0.72%	0.00%	3576		3576	4559		
WB Reject	0.22%	0.00%	1905		1905	4519		
WB Tailing	3.80%	0.00%	4201		4201	7394		7394
Wt. Avg	100.00%	100.00%	3695	3826	(131)	3882	3772	110
LDO			10349	9100	1249	77980	45197	32783

E.2.2 Specific Secondary Fuel Oil Consumption and Gross Calorific Value ("GCV") of Secondary Fuel

154. The Petitioner for the purpose of computation of estimated Energy Charges for 2023-24 has considered the normative specific secondary fuel Oil consumption of 0.5 ml/kWh as per Generation Tariff Regulations, 2020. Further, projected GCV and Price of LDO has been considered equal to weighted average GCV and price of LDO based on actual data upto October 2023. The same is summarized in the above Tables alongwith coal parameters for kind perusal of the Hon'ble Commission:

E.2.3 Transit Loss

155. The Petitioner for the purpose of Annual Performance Review of 2023-24 has considered the normative transit loss in all categories of coal as per Generation Tariff Regulations, 2020. However, it seeks liberty to submit actual transit loss for the year during true-up exercise for suitable relief, if any, with appropriate justifications.

E.3 ENERGY CHARGES FY 2023-24

156. The revised Energy Charge Rate and Energy Charges for the purpose of Annual Performance Review have been computed in accordance with Regulations 17.7 to 17.11 of Generation Tariff Regulations, 2020 and considering the Primary and Secondary Fuel parameters and Transit Loss as elaborated in earlier sections.

E.3.1 Computation of Energy Charges FY 2023-24

157. Operational parameters have been considered at Normative level, i.e., Normative Heat Rate of 2567 kCal/kWh for Unit 2 and 2577 kCal/kWh for Unit 3, Normative Auxiliary Consumption of 10% and normative secondary fuel oil of 0.5 ml/kWh and storage loss of 85kCal/kg for both the Units 2&3 as specified in Generation Tariff Regulations 2020 for FY 2023-24 Vide its 1st Amendment for computing the Energy Charges.

158. The detailed computation of revised Energy Charge Rate and Energy Charges for FY 2023-24 compared to MYT Order is shown in the following Tables.

Table83: Projected Energy Charges for FY 2023-24 - Unit # 2

Particulars	UoM	Proposed	Approved in MYT Order	Difference
Operational Parameters				
Normative Aux Power Consumption (AUX)	%	10.00%	9.00%	
Gross Heat Rate (GHR)	Kcal/Kwh	2567	2525	42.00
Specific LDO Consumption at Normative Availability (SFCn)	ml/Kwh	0.50	0.50	0.00
LDO GCV (CVPF)	Kcal/L	10337	9100	1236.96
LDO Landed Price	Rs/KL	77855	45198	32657
Middling Coal				0.00
Middling Coal in mix	%	7.43%	21.25%	(13.82%)
Middling Coal GCV	Kcal/Kg	3871	3861	9.76
Middling Coal Landed Price at Normative Transit Loss at 0.8%	Rs/Ton	5226	4223	1002.96
CCL Shakti R3 Coal				
CCL Shakti R3 Coal in Mix	%	42.16%	43.64%	(1.47%)
CCL Shakti R3 GCV	Kcal/Kg	3702	3838	(135.51)
CCL Shakti R3 Landed Price	Rs/Ton	3230	3654	(423.21)
CCL Shakti WIV Coal				
CCL Shakti WIV Coal in Mix	%	11.23%	0.00%	11.23%
CCL Shakti WIV GCV	Kcal/Kg	3997	0	3997.13
CCL Shakti WIV Landed Price	Rs/Ton	4828	0	4827.95
CCL Shakti 2 Coal				
CCL [Shakti 2] Coal in Mix	%	10.80%	14.59%	(3.79%)
CCL [Shakti 2] Coal GCV	Kcal/Kg	3682	3838	(155.12)
CCL [Shakti 2] Coal Landed Price	Rs/Ton	3716	3654	62.80
MCL Shakti 2 Coal				
MCL [Shakti 2] Coal Consumption	%	16.66%	14.05%	2.61%
MCL [Shakti 2] GCV	Kcal/Kg	2896	3130	(233.84)
MCL [Shakti 2] Landed Price	Rs/Ton	2793	2507	286.14
ECL Shakti 2 Coal				
ECL [Shakti 2] Coal in Mix	%	6.64%	6.47%	0.18%
ECL [Shakti 2] GCV	Kcal/Kg	4741	5109	(368.23)
ECL [Shakti 2] Landed Price	Rs/Ton	5604	5328	275.70
CCL SFA/eAuction Coal in Mix				
CCL SFA Coal Consumption	%	0.70%	0	0.70%
CCL SFA GCV	Kcal/Kg	3475	0	3475.02
CCL SFA Landed Price	Rs/Ton	4268	0	4268.32
WB Reject in Mix				
WB Reject Coal in Mix	%	0.25%	0.00%	0.25%
WB Reject GCV	Kcal/Kg	1905	0	1904.80
WB Reject Landed Price	Rs/Ton	4519	0	4519.00
WB Tailing in Mix				
WB Tailing Coal in Mix	%	4.12%	0.00%	4.12%
WB Tailing GCV	Kcal/Kg	4200	0	4200.10
WB Tailing coal Landed Price	Rs/Ton	7403	0	7402.97
Equivalent GCV & Landed Price of Coal				
Equivalent GCV of Coal (CVPF)	Kcal/Kg	3694.79	3825.24	(215.45)
Equivalent GCV of Coal (CVPF)-85 kCal/kg	Kcal/Kg	3609.79		

Equivalent Landed Price of Coal (LPPF)	Rs/Ton	3877.83	3721.69	156.14
Rate of Energy Charge pertaining to Coal	Rs/Kwh	3.058	2.695	0.36
Rate of Energy Charge pertaining to LDO	Rs/Kwh	0.043	0.025	0.02
Energy Charge Rate (ECR)	**Rs/Kwh**	**3.101**	**2.720**	0.38
Ex-Bus Generation	MUs	808.36	815.33	(6.97)
Energy Charges	**Rs Crore**	**250.68**	**221.74**	**28.94**

Table84: Projected Energy Charges for FY 2023-24 - Unit # 3

Particulars	UoM	Proposed	Approved in MYT Order	Difference
Operational Parameters				
Normative Aux Power Consumption (AUX)	%	10.00%	9.00%	
Gross Heat Rate (GHR)	Kcal/Kwh	2577	2525	52.00
Specific LDO Consumption at Normative Availability (SFCn)	ml/Kwh	0.50	0.50	0.00
LDO GCV (CVPF)	Kcal/L	10349	9100	1249.28
LDO Landed Price	Rs/KL	77980	45196	32784
Middling Coal				0.00
Middling Coal in mix	%	10.10%	21.24%	(11.15%)
Middling Coal GCV	Kcal/Kg	3926	3860	66.46
Middling Coal Landed Price at Normative Transit Loss at 0.8%	Rs/Ton	5495	4223	1271.53
CCL Shakti R3 Coal				
CCL Shakti R3 Coal in Mix	%	43.11%	43.64%	(0.53%)
CCL Shakti R3 GCV	Kcal/Kg	3682	3856	(174.46)
CCL Shakti R3 Landed Price	Rs/Ton	3248	3820	(571.78)
CCL Shakti WIV Coal				
CCL Shakti WIV Coal in Mix	%	7.47%	0.00%	7.47%
CCL Shakti WIV GCV	Kcal/Kg	4032	0	4031.85
CCL Shakti WIV Landed Price	Rs/Ton	4820	0	4819.87
CCL Shakti 2 Coal				
CCL [Shakti 2] Coal in Mix	%	12.53%	14.60%	(2.07%)
CCL [Shakti 2] Coal GCV	Kcal/Kg	3695	3856	(160.79)
CCL [Shakti 2] Coal Landed Price	Rs/Ton	3648	3820	(172.17)
MCL Shakti 2 Coal				
MCL [Shakti 2] Coal Consumption	%	15.55%	14.05%	1.49%
MCL [Shakti 2] GCV	Kcal/Kg	2902	3107	(204.97)
MCL [Shakti 2] Landed Price	Rs/Ton	2789	2519	270.24
ECL Shakti 2 Coal				
ECL [Shakti 2] Coal in Mix	%	6.82%	6.47%	0.36%
ECL [Shakti 2] GCV	Kcal/Kg	4662	5001	(339.06)
ECL [Shakti 2] Landed Price	Rs/Ton	5549	5348	201.74
CCL SFA/eAuction Coal in Mix				
CCL SFA Coal Consumption	%	0.75%	0.00%	0.75%
CCL SFA GCV	Kcal/Kg	3675	0	3675.04
CCL SFA Landed Price	Rs/Ton	4842	0	4842.05
WB Reject in Mix				
WB Reject Coal in Mix	%	0.20%	0.00%	0.20%

WB Reject GCV	Kcal/Kg	1905	0	1904.80
WB Reject Landed Price	Rs/Ton	4519	0	4519.00
WB Tailing in Mix				
WB Tailing Coal in Mix	%	3.48%	0.00%	3.48%
WB Tailing GCV	Kcal/Kg	4203	0	4202.71
WB Tailing coal Landed Price	Rs/Ton	7384	0	7384.00
Equivalent GCV & Landed Price of Coal				
Equivalent GCV of Coal (CVPF)	Kcal/Kg	3694.58	3825.77	(216.19)
Equivalent GCV of Coal (CVPF)-85 kCal/kg	Kcal/Kg	3609.58		
Equivalent Landed Price of Coal (LPPF)	Rs/Ton	3886.35	3821.57	64.78
Rate of Energy Charge pertaining to Coal	Rs/Kwh	3.077	2.767	0.31
Rate of Energy Charge pertaining to LDO	Rs/Kwh	0.043	0.025	0.02
Energy Charge Rate (ECR)	**Rs/Kwh**	**3.120**	**2.792**	0.33
Ex-Bus Generation	MUs	780.89	815.33	(34.45)
Energy Charges	**Rs Crore**	**243.64**	**227.60**	**16.04**

Table85: Projected Energy Charges for FY 2023-24 - Unit # 2&3(Combined)

Particulars	UoM	Proposed	Approved in MYT Order	Difference
Operational Parameters				
Normative Aux Power Consumption (AUX)	%	10.00%	9.00%	
Gross Heat Rate (GHR)	Kcal/Kwh	2572	2525	47.00
Specific LDO Consumption at Normative Availability (SFCn)	ml/Kwh	0.50	0.50	0.00
LDO GCV (CVPF)	Kcal/L	10349	9100	1249.28
LDO Landed Price	Rs/KL	77980	45197	32783
Middling Coal				0.00
Middling Coal in mix	%	8.74%	21.25%	(12.51%)
Middling Coal GCV	Kcal/Kg	3902	3860	41.91
Middling Coal Landed Price at Normative Transit Loss at 0.8%	Rs/Ton	5378	4223	1155.58
CCL Shakti R3 Coal				
CCL Shakti R3 Coal in Mix	%	42.63%	43.64%	(1.01%)
CCL Shakti R3 GCV	Kcal/Kg	3692	3847	(154.93)
CCL Shakti R3 Landed Price	Rs/Ton	3239	3737	(497.54)
CCL Shakti WIV Coal				
CCL Shakti WIV Coal in Mix	%	9.38%	0.00%	9.38%
CCL Shakti WIV GCV	Kcal/Kg	4011	0	4010.73
CCL Shakti WIV Landed Price	Rs/Ton	4825	0	4824.78
CCL Shakti 2 Coal				
CCL [Shakti 2] Coal in Mix	%	11.65%	14.59%	(2.94%)
CCL [Shakti 2] Coal GCV	Kcal/Kg	3689	3847	(157.58)
CCL [Shakti 2] Coal Landed Price	Rs/Ton	3680	3737	(56.68)
MCL Shakti 2 Coal				
MCL [Shakti 2] Coal Consumption	%	16.11%	14.05%	2.06%
MCL [Shakti 2] GCV	Kcal/Kg	2899	3118	(219.57)
MCL [Shakti 2] Landed Price	Rs/Ton	2791	2513	278.29
ECL Shakti 2 Coal				

ECL [Shakti 2] Coal in Mix	%	6.73%	6.47%	0.27%
ECL [Shakti 2] GCV	Kcal/Kg	4701	5055	(353.53)
ECL [Shakti 2] Landed Price	Rs/Ton	5577	5338	238.80
CCL SFA/eAuction Coal in Mix				
CCL SFA Coal Consumption	%	0.72%	0	0.72%
CCL SFA GCV	Kcal/Kg	3576	0	3576.38
CCL SFA Landed Price	Rs/Ton	4559	0	4559.05
WB Reject in Mix				
WB Reject Coal in Mix	%	0.22%	0.00%	0.22%
WB Reject GCV	Kcal/Kg	1905	0	1904.80
WB Reject Landed Price	Rs/Ton	4519	0	4519.00
WB Tailing in Mix				
WB Tailing Coal in Mix	%	3.80%	0.00%	3.80%
WB Tailing GCV	Kcal/Kg	4201	0	4201.28
WB Tailing coal Landed Price	Rs/Ton	7394	0	7394.44
Equivalent GCV & Landed Price of Coal				
Equivalent GCV of Coal (CVPF)	Kcal/Kg	3694.68	3825.50	(215.82)
Equivalent GCV of Coal (CVPF)-85 kCal/kg	Kcal/Kg	3609.68		
Equivalent Landed Price of Coal (LPPF)	Rs/Ton	3882.03	3771.63	110.40
Rate of Energy Charge pertaining to Coal	Rs/Kwh	3.067	2.731	0.34
Rate of Energy Charge pertaining to LDO	Rs/Kwh	0.043	0.025	0.02
Energy Charge Rate (ECR)	**Rs/Kwh**	**3.111**	**2.756**	0.35
Ex-Bus Generation	MUs	1589.25	1630.66	(41.42)
Energy Charges	**Rs Crore**	**494.34**	**449.34**	**45.00**

159. Further, discount of 4 paise/kWh is required to be passed on to beneficiaries on units generated corresponding to Shakti Coal under Round 2 and 7 paise/kWh for units generated corresponding to Shakti Coal under Round 3 as per the methodology approved by Hon'ble Commission in the amended PPAs between Jojobera and Tata Steel for Jojobera Units 2&3. CCL SHAKTI WIV has been supplied both under Round 2 and Round 3, therefore, coal quantum consumed under round 2 and round 3 for each Unit 2 and Unit 3 is annexed herewith and marked as **ANNEXURE P24** for the purpose of computation of SHAKTI discount**.** Also, storage loss of 85 kCal/kg has been considered while computing sales (MUs) from actual consumption of each type of SHAKTI Coal in terms of 1st amendment to GTR 2020. Accordingly, Discounts for Unit 2 and Unit 3 work out as follows for Unit 2 and Unit 3:

Table86: Projected Shakti Discount for FY 2023-24 - Unit # 2

Particulars	UoM	Proposed	Approved in MYT Order	Difference
Sales due to CCL Shakti R3	Mus	330.74	356.29	(25.56)
Sales due to CCL Shakti R2	Mus	84.29	119.16	(34.87)
Sales due to ECL Shakti WIV	Mus	95.27	0.00	95.27
Sales due to MCL Shakti R2	Mus	101.55	93.55	7.99
Sales due to ECL Shakti R2	Mus	67.09	70.28	(3.19)
Discount Amount (@ Rs. 0.04/kWh Discount Rate) for Shakti R2	Rs Crore	1.18	1.13	0.05
Discount Amount (@ Rs. 0.07/kWh Discount Rate) for Shakti R3	Rs Crore	2.69	2.49	0.19
Total SHAKTI DISCOUNT	Rs Crore	3.87	3.63	0.24

Table87: Projected Shakti Discount for FY 2023-24 - Unit # 3

Particulars	UoM	Proposed	Approved in MYT Order	Difference
Sales due to CCL Shakti R3	MUs	324.01	358.03	(34.02)
Sales due to CCL Shakti R2	MUs	94.53	119.74	(25.21)
Sales due to ECL Shakti WIV	MUs	61.63		
Sales due to MCL Shakti R2	MUs	91.52	92.88	(1.36)
Sales due to ECL Shakti R2	MUs	65.25	68.78	(3.54)
Discount Amount (@ Rs. 0.04/kWh Discount Rate) for Shakti R2	Rs Crore	1.17	1.13	0.04
Discount Amount (@ Rs. 0.07/kWh Discount Rate) for Shakti R3	Rs Crore	2.42	2.51	(0.09)
Total SHAKTI DISCOUNT	Rs Crore	3.58	3.63	(0.05)

Table88: Projected Shakti Discount for FY 2023-24 - Unit # 2&3(Combined)

Particulars	UoM	Proposed	Approved in MYT Order	Difference
Sales due to CCL Shakti R3	MUs	654.74	714.33	(59.58)
Sales due to CCL Shakti R2	MUs	178.85	238.89	(60.05)
Sales due to ECL Shakti WIV	MUs	156.82	0.00	156.82
Sales due to MCL Shakti R2	MUs	193.04	186.43	6.61
Sales due to ECL Shakti R2	MUs	132.33	139.06	(6.74)
Discount Amount (@ Rs. 0.04/kWh Discount Rate) for Shakti R2	Rs Crore	2.35	2.26	0.09
Discount Amount (@ Rs. 0.07/kWh Discount Rate) for Shakti R3	Rs Crore	5.11	5.00	0.11
Total SHAKTI DISCOUNT	Rs Crore	7.45	7.26	0.19

E.4 FINANCIAL PERFORMANCE – FY 2023-24

160. This section explains in detail the projected Additional Capitalization and Decapitalization, revised phasing for some of the approved Capital Expenditure schemes for FY 2023-26 including requirement of some new additional capital expenditure schemes as submitted in previous petitions for the Control Period and the components of Annual Fixed Charges, the relevant norms in the Generation Tariff Regulations, 2020 read with its 1st Amendment and the detailed computation of each of the components.

E.4.1 Additional Capitalization for FY 2023-24 vis-à-vis Capitalization plan approved in the MYT Order and revised phasing for some of the approved schemes.

161. The scheme-wise projected additional capitalization for FY 2023-24 compared to projection approved in the MYT Order have been presented hereunder for kind reference of the Hon'ble Commission. Reasons for the variation have already been provided in the Section D for kind perusal and consideration of the Hon'ble Commission and, hence, not repeated here for sake of brevity.

Table89: Projected Scheme-Wise Additional Capitalization (In Rs. Lakh) for FY 2023-24 - Unit # 2&3

Sr. No.	Project Description	Total Proposed Cost (Lakh)	Used in Units	Apportioned Cost (Proposed) to U2&3(Lakh)	FY-23 Approved Phasing(i)	FY-23 submitted in APR-FY 23(ii)	FY-23 Proposed Phasing (iii)	Diff (iii -ii)
1	Hydraulic Auger for CHP (Carry Forward)	456	1,2,3,4,5	200		200	-	-200
2	Replacement of Dead Tank CT with Live Tank CT (Carry forward)	205.26	1,2,3,4,5	89.98	21.70	21.70	26.61	4.91
3	Control Room AC System	633.5	2,3	633.5		172.50	633.50	461
4	Ash Conveying pipe line	280	2,3	280		230.00	280.00	50.0
5	Workshop machine Tools, Condition Monitoring tools & Mobile Environmental dust Extractor	200	1,2,3,4,5	87.67		57.67	38.58	-19
6	Turbine Parting Plane Bolts & Coupling Bolts	433.76	2	433.76		433.76	-	-434
7	CHP Dozer	725	1,2,3,4,5	317.81		236.71	317.81	81
8	New Weigh Bridge for Bulker	112.04	1,2,3,4,5	49.11		49.11	49.11	-
9	Multi-Layered Security System for Jojobera Power Plant.	275	1,2,3,4,5	120.55		80.55	52.84	-28
10	Upgradation of Fans Pneumatic Actuators to Electrical Actuator	240	2,3	240.00		240.00	240.00	-
11	Spray Nozzle for Boiler	70	3	70.00		70.00	-	-70
12	Upgradation of DAVR(Digital Automatic	130	3	130.00		130.00	-	-130

	Voltage Regulator)							
	Total	4,751.01		3,546.32	21.70	1922.00	1,638.44	-283.56

162. It is submitted that justifications for revision in phasing of the approved schemes including requirement of new schemes is provided in the True-up Section D of FY 2022-23 except for scheme of Hydraulic Auger and is, therefore, not re-iterated here for sake of brevity. Petitioner humbly requests Hon'ble Commission to kindly refer the same. In addition to above the revised Capitalization and Decapitalization plan for FY 23-26 is presented and annexed herewith and marked as **ANNEXURE - P25** for kind consideration of the Hon'ble Commission.

163. Further, with regard to scheme of 'Hydraulic Auger', it is submitted that the Petitioner proposed the implementation of "Hydraulic Auger for CHP" scheme at its facility for reduction in human error or bias, time required for Coal sample collection and risk to the safety of the personnel collecting coal sample from wagon top. The Petitioner after COVID-19 initiated detailed engineering, designing and procurement for the above stated scheme. The Petitioner while doing so experienced various engineering and operational challenges on engineering and accordingly to feedback from other Generating Stations. The Petitioner engineers also visited other Generating Companies to enquire about their experience of maintaining facility for automatic sampling. It was noticed that online samplers with crusher are widely being used in place of Hydraulic augur for representative coal sampling at unloading circuit. After the series of deliberations, research and considering all the feedbacks, Management recommended for online belt sampling system. Accordingly, the Petitioner most humbly wishes to propose online belt sampling system to be implemented at its CHP, instead of earlier scheme. Further, Online Coal Sampler does not lead to any cost escalation and is well within the cost approved by the Hon'ble Commission for the earlier approved cost for "Hydraulic Auger" and also meets the objective as envisaged earlier.

164. The newly proposed sampling system will involve two stage sampling system having sample preparation and crushing within system facilitating further lab process. The sample drawn from sampling system will be sent to existing

laboratory to do necessary analysis of critical parameters such as moisture and general-purpose analysis like ash content, chemical tests, calorific value etc. The sampling system is to be fitted in the existing operational plant to ensure that minimum modification and shutdown is required. The technical and financial details regarding the proposed Online Coal Sampler are provided at **ANNEXURE-P26**

165. The estimated Capitalization under various schemes as summarized in above Table will be categorized under 2 broad categories (i.e. Standalone and Common Facilities) based on the methodology as approved by the Hon'ble Commission and as explained in sub-section of Additional Capitalization for FY 2022-23 in Section D of the instant Petition. The detailed description of categories and computation of apportionment ratios is not being repeated here for the sake of brevity and Tata Power requests Hon'ble Commission to refer Section D on Additional Capitalization of FY 2022-23 for the same.

E.4.2 Asset-wise Additional Capitalization for FY 2023-24

166. Pursuant to the apportionment methodology, the details of the estimated Asset-wise Additional Capitalization for FY 2023-24 are summarized in the following Table explicitly illustrating the Standalone Capitalization for Unit 2&3 and the Additional Capitalization towards Common Facilities apportioned to Unit 2 and Unit 3.

Table90: Asset-wise estimated additional capitalization including apportioned allocations (In Rs. Crore) for Common Facilities -Unit # 2 & 3 - FY 2023-24

Asset Class	Standalone Unit 2	Standalone Unit 3	Common Allocated to Unit 2 & 3	Unit 2 with Common Allocations	Unit 3 with Common Allocations
P&M in Gen Station	-	-	6.220	3.110	3.110
Transformers, Kiosk, sub-station equipment			0.266	0.133	0.133
Air Conditioning Plants (Static)	-	-	6.335	3.168	3.168
IT Equipment and Software			0.000	0.000	0.000
Office equipment's	-	-	0.000	0.000	0.000
Self-propelled vehicles	-	-	3.178	1.589	1.589
Any other assets not covered above	-	-	0.386	0.193	0.193
Total	**0.00**	**0.00**	**16.384**	**8.192**	**8.192**

E.4.3 Summary of Additional Capitalization

167. The following Tables show the summary of projected additional Capitalization of FY 2023-24 for Unit 2 and Unit 3 vis-à-vis the approved projection in the MYT Order dated 04.11.2022 and summary of Asset Class wise Capitalizations.

Table91: Summary of Additional Capitalization - Unit # 2 - FY 2023-24 (Rs. Crore)

Particulars	Proposed	Approved in MYT Order	Difference
Capitalization- Standalone	0.00	0.11	8.08
Capitalization- Apportioned for Common Facilities	8.19		
Total Additional Capitalization	**8.19**	**0.11**	**8.08**

Table92: Summary of Additional Capitalization - Unit # 3 - FY 2023-24 (Rs. Crore)

Particulars	Proposed	Approved in MYT Order	Difference
Capitalization- Standalone	0.00	0.11	8.08
Capitalization- Apportioned for Common Facilities	8.19		
Total Additional Capitalization	**8.19**	**0.11**	**8.08**

Table93: Summary of Additional Capitalization - Unit # 2&3(Combined) - FY 2023-24 (Rs. Crore)

Particulars	Proposed	Approved in MYT Order	Difference
Capitalization- Standalone	0.00	0.22	16.17
Capitalization- Apportioned for Common Facilities	16.38		
Total Additional Capitalization	**16.38**	**0.22**	**16.17**

E.4.4 Summary of projected Decapitalization

168. It is humbly submitted that the Decapitalization against the proposed Capital Expenditure Schemes involving complete or partial Replacement of the

assets has been worked out based on principles as stated in section of True-up for de-capitalization not performed in Books and similar to the methodology as approved by the Hon'ble Commission in the MYT Order dated 04.11.2022 and the previous Orders. The same has been considered for arriving at net Addition during FY 23-24. Considering revision in the Capitalization Phasing and Value of Certain Schemes, the revised decapitalization for FY 23-26 is already provided in the ANNEXURE - P25 for kind reference of the Hon'ble Commission.

Table94: Summary of Scheme-wise estimated Decapitalization (In Rs. Lakh) for FY 2023-24

Project Description	Scheme			Value(Apportioned to Unit 2&3)			
	Original/Add Cap	Type	Used in Units	FY-24 Approved Phasing (i)	FY-24 submitted in APR-FY 23(ii)	FY-24 Proposed Phasing (iii)	Diff (iii-ii)
Hydraulic Auger for CHP (Carry Forward)	Add Cap	new	1,2,3,4,5				-
Replacement of Dead Tank CT with Live Tank CT (Carry forward)	Original	Replacement	1,2,3,4,5	6.55	5.63	7.13	1.50
Control Room AC System	Original	Replacement	2,3	0	44.72	169.67	124.95
Ash Conveying pipe line	Original	Replacement	2,3	0	59.63	74.99	15.37
Workshop machine Tools, Condition Monitoring tools & Mobile Environmental dust Extractor	Add Cap	new	1,2,3,4,5			-	-
Turbine Parting Plane Bolts & Coupling Bolts	Original	Replacement	2	0	112.45	-	-112.45
CHP Dozer	Original	Replacement	1,2,3,4,5	0	61.37	85.12	23.75
New Weigh Bridge for Bulker	Add Cap	New	1,2,3,4,5		-	-	-
Multi-Layered Security System for Jojobera Power Plant.	Add Cap	New	1,2,3,4,5			-	-
Upgradation of Fans Pneumatic Actuators to Electrical Actuator	Original	Replacement	2,3		7.83	7.83	-
Spray Nozzle for Boiler	Original	Replacement	3		18.15	-	-18.15

Upgradation of DAVR(Digital Automatic Voltage Regulator)	Original	Replacement	3		33.70	-	-33.70
Total				**6.55**	**343.46**	**344.74**	**1.28**

169. Pursuant to above, the break-up of decapitalizations relating to Original Project Cost and Additional Capitalization for FY 2023-24 is presented in the Tables below:

Table95: Breakup of Decapitalization (In Rs. Crore) Relating to Original Project cost and Add Cap for FY 2023-24 – U#2&3

Type	Unit 2 (Standalone)	Unit 3 (Standalone)	Comm (Allocated to Unit 2&3	Unit 2 with Common Allocations	Unit 3 with Common Allocations
Add Cap			3.45	1.72	1.72
Original			0.00	0.00	0.00
Grand Total	**0.00**	**0.00**	**3.45**	**1.72**	**1.72**

170. Accordingly, the Gross Fixed Assets of the Unit 2 and Unit 3 for FY 2023-24 work out as follows. Closing GFA of 2022-23 has been considered as opening for FY 2022-23.

Table96: Gross Fixed Asset (In Rs. Crore) of Unit # 2 - FY 2023-24

Particulars	Proposed	Approved in MYT Order
GFA at the beginning of FY 2023-24	491.63	504.76
Addition during FY 2023-24	8.19	0.08
Deletion During FY 2023-24 in Org Project Cost	-1.72	-0.03
Deletion During FY 2023-24 in Add Cap	0.00	
Closing GFA at the end of FY 2023-24	**498.10**	**504.80**

Table97: Gross Fixed Asset (In Rs. Crore) of Unit # 3 - FY 2023-24

Particulars	Proposed	Approved in MYT Order
GFA at the beginning of FY 2023-24	476.40	490.47
Addition during FY 2023-24	8.19	0.11
Deletion During FY 2023-24 in Org Project Cost	-1.724	-0.03
Deletion During FY 2023-24 in Add Cap	0.00	
Closing GFA at the end of FY 2023-24	**482.87**	**490.55**

Table98: Gross Fixed Asset (In Rs. Crore) of Unit # 2&3(Combined) - FY 2023-24

Particulars	Proposed	Approved in MYT Order
GFA at the beginning of FY 2023-24	968.03	995.23
Addition during FY 2023-24	16.4	0.18
Deletion During FY 2023-24 in Org Project Cost	-3.45	-0.07
Deletion During FY 2023-24 in Add Cap	0.00	
Closing GFA at the end of FY 2023-24	**980.97**	**995.35**

E.4.5 Financing of Additional Capitalization

171. It is submitted that Tata Power will finance the Additional Capitalization from internal accruals. Accordingly, financing of Additional Capitalization has been considered at Normative Debt : Equity ratio of 70:30 for FY 2023-24. The same is illustrated in the following Table.

Table99: Financing Structure of Additional Capitalization - Unit # 2 (Rs. Crore)

Particulars	Proposed	Approved in MYT Order	Difference
Normative Debt Component (70% of Capitalized Cost)	5.73	0.05	5.68
Normative Equity Component (30% of Capitalized Cost)	2.46	0.02	2.43
Total Additional Capitalization	**8.19**	**0.08**	**8.12**

Table100: Financing Structure of Additional Capitalization - Unit # 3 (Rs. Crore)

Particulars	Proposed	Approved in MYT Order	Difference
Normative Debt Component (70% of Capitalized Cost)	5.73	0.08	5.66
Normative Equity Component (30% of Capitalized Cost)	2.46	0.03	2.43
Total Additional Capitalization	**8.19**	**0.11**	**8.08**

Table101: Financing Structure of Additional Capitalization - Unit # 3 (Rs. Crore)

Particulars	Proposed	Approved in MYT Order	Difference
Normative Debt Component (70% of Capitalized Cost)	11.47	0.13	11.34
Normative Equity Component (30% of Capitalized Cost)	4.92	0.06	4.86
Total Additional Capitalization	**16.38**	**0.18**	**16.20**

E.5 ANNUAL FIXED COST – FY 2023-24

172. As per Generation Tariff Regulations, 2020 read with GTR(1st Amendment) 2023, Annual Fixed Cost comprises of following elements:

(a) Return on Equity(Pre-tax);

(b) Interest and Financing Charges on Loan Capital;

(c) Depreciation;

(d) Operation and Maintenance Expenses;

(e) Interest Charges on Working Capital;

(f) Less: Non-tariff Income

(g) Less: Income from Other Businesses

E.5.1 Return on Equity (Pre-tax) FY 2023-24

173. In line with the MYT Order for Control Period FY 2022-26 and in accordance with Regulation 15.9, 15.10 and Regulation 15.11 of Generation Tariff Regulations, 2020 and considering the estimated Additional Capitalization and

decapitalization during 2023-24 as discussed in the preceding sections, the Petitioner has computed RoE (Pre-Tax) as presented in the following Table. For the purpose of APR, it has considered Tax rate of 25.168% as approved in the MYT Order.

Table102: Return on Equity (Pre-tax) (In Rs. Crore) for FY 2023-24 - Unit # 2

Particulars	Proposed	Approved in MYT Order	Difference
Opening Equity	147.49	151.43	(3.94)
Addition	1.94	0.01	1.93
Closing Equity	149.43	151.44	(2.01)
Avg Equity	148.46	151.43	(2.97)
Rate of Return on Equity	15.00%	14.00%	1.00%
Applicable Tax Rate	25.17%	25.17%	0.00%
Rate of Pre-Tax Return on Equity	20.05%	18.71%	1.34%
Return on Equity (Pre-Tax)	**29.76**	**28.33**	1.43

Table103: Return on Equity (Pre-tax) (In Rs. Crore) for FY 2023-24 - Unit # 3

Particulars	Proposed	Approved in MYT Order	Difference
Opening Equity	142.92	147.14	(4.22)
Addition	1.94	0.02	1.92
Closing Equity	144.86	147.16	(2.30)
Avg Equity	143.89	147.15	(3.26)
Rate of Return on Equity	15.00%	14.00%	1.00%
Applicable Tax Rate	25.17%	25.17%	0.00%
Rate of Pre-Tax Return on Equity	20.05%	18.71%	1.34%
Return on Equity (Pre-Tax)	**28.84**	**27.53**	1.31

Table104: Return on Equity (Pre-tax) (In Rs. Crore) for FY 2023-24 - Unit #2& 3(Combined)

Particulars	Proposed	Approved in MYT Order	Difference
Opening Equity	290.41	298.57	(8.16)
Addition	3.88	0.04	3.85
Closing Equity	294.29	298.60	(4.31)
Avg Equity	292.35	298.59	(6.24)
Rate of Return on Equity	15.00%	14.00%	1.00%
Applicable Tax Rate	25.17%	25.17%	0.00%
Rate of Pre-Tax Return on Equity	20.05%	18.71%	1.34%
Return on Equity (Pre-Tax)	**58.60**	**55.86**	2.74

E.5.2 Interest and Financing Charges on Loan

174. It is submitted that repayment of Long-term Loan on Original Project Cost of Unit 2 & Unit 3 have been completed in the year FY 2009-10 and 2010-11 respectively, therefore, the present computation is limited to computation of interest on loan on Normative Loan arising on account of Additional Capitalizations undertaken from 2011-12 onwards.

175. Tata Power, for the purpose of the computation of Interest on Loan for FY 2023-24, followed the approach as approved by the Hon'ble Commission in previous True-up and MYT Orders for FY 2022-26 and the same is not repeated herein for sake of brevity. The closing loan for 2022-23 has been considered as the Opening loan for 2023-24. Further, interest Rate of has been considered as Bank Rate plus 200 basis points as on 01.04.2023 i.e. 1st April of respective year of the Control Period i.e. at 8.50% for Unit 2 and Unit 3 in accordance with Regulations 15.18 of the JSERC Generation Tariff Regulations 2020 for working out the interest on loan on Additional Capitalization. Deemed Repayment has been considered as depreciation for the year on Additional Capitalization only and not total depreciation as Normative loan pertains to Additional Capitalizations undertaken from 2011-12 onwards.

176. The detailed computation of Interest on Loan for FY 2023-24 on Additional Capitalization is provided in the following Tables.

Table105: Interest on Loan (In Rs. Crore) for FY 2023-24 - Unit # 2

Particulars	Proposed	Approved in MYT Order	Difference
Opening Loan	8.60	24.45	(15.85)
Additional Capitalization during the year	8.19	0.08	8.12
Additional Loan due to addition during the year (70% of Add Cap)	5.73	0.05	5.68
Deletion during the year excluding deletion pertaining to Original Project Cost	0.00	0.00	0.00
Adjustment due to deletion (reduction of outstanding loan)	0.00	0.00	0.00
Repayment (=Depreciation on Add Cap)	10.96	8.53	2.43
Closing Debt	3.37	15.97	(12.60)
Average Loan Balance	5.99	20.21	(14.22)
Computation of IoL			
Rate of Interest	10.50%	9.00%	
Interest on Loan	0.63	1.82	(1.19)

Table106: Interest on Loan (In Rs. Crore) for FY 2023-24 - Unit # 3

Particulars	Proposed	Approved in MYT Order	Difference
Opening Loan	11.13	17.75	(6.62)
Additional Capitalization during the year	8.19	0.11	8.08
Additional Loan due to addition during the year (70% of Add Cap)	5.73	0.08	5.66
Deletion during the year excluding deletion pertaining to Original Project Cost	0.00	0.00	0.00
Adjustment due to deletion (reduction of outstanding loan)	0.00	0.00	0.00
Repayment (=Depreciation on Add Cap)	8.92	9.01	(0.09)
Closing Debt	7.94	8.82	(0.87)
Average Loan Balance	9.53	13.28	(3.75)
Computation of IoL			
Rate of Interest	10.50%	9.00%	
Interest on Loan	1.00	1.20	(0.19)

Table107: Interest on Loan (In Rs. Crore) for FY 2023-24 - Unit # 2&3(Combined)

Particulars	Proposed	Approved in MYT Order	Difference
Opening Loan	19.22	52.74	(33.52)
Additional Capitalization during the year	16.38	0.18	16.20
Additional Loan due to addition during the year (70% of Add Cap)	11.47	0.13	11.34
Deletion during the year excluding deletion pertaining to Original Project Cost	0.00	0.00	0.00
Adjustment due to deletion (reduction of outstanding loan)	0.00	0.00	0.00
Repayment (=Depreciation on Add Cap)	20.47	8.53	11.94
Closing Debt	10.21	44.34	(34.12)
Average Loan Balance	14.71	48.54	(33.82)
Computation of IoL			
Rate of Interest	10.50%	9.00%	
Interest on Loan	1.55	4.37	(2.82)

E.5.3 Depreciation for FY 2023-24

177. Tata Power, for the purpose of the computation of Depreciation for FY 2023-24 has followed the approach as submitted for Truing-up of 2022-23 in Section D of the instant Petition and the same is not repeated herein for sake of brevity. Tata power humbly requests this Hon'ble Commission to kindly refer the same. The detailed computation of Depreciation for FY 2023-24 is provided in the following Tables.

Table108: Depreciation (In Rs. Crore) for FY 2023-24 - Unit # 2

Particulars	Formulae	Original Project Cost	Add Cap	Total
		FY 24	FY 24	FY 24
Opening GFA	A	411.77	79.87	491.64
Addition (as proposed)	b1	0.00	8.19	8.19
Deletion (as proposed)	b2	1.72	0.00	1.72
Closing GFA	c = a+b1-b2	410.05	88.06	498.11
Avg GFA	d = (a+c)/2	410.91	83.97	494.87
Depreciable Value (@90% of Closing GFA)	e = dx90%	369.82	75.57	445.39
Cumulative depreciation recovered till beginning of the year	F	357.48	42.70	400.18
Less: Cumulative depreciation adjustment on account of Decapitalisation	g	0.10	0.01	0.11
Opening Cumulative Depreciation [Value, %]	h = f-g	357.38	42.69	400.07
	i = h/c	87%	51%	81%
Balance Depreciable Value	J=e-h	12.43	32.88	45.32
Balance Useful life at the beginning of the year	k=25-Age	3.00	3.00	3.00
Annual Depreciation (spread in balance useful life)	**l=j/k**	**4.14**	**10.96**	**15.11**
Closing Cumulative Depreciation [Value]	m=h-l	361.53	53.65	415.18

Table109: Depreciation (In Rs. Crore) for FY 2023-24 - Unit # 3

Particulars	Formulae	Original Project Cost	Add Cap	Total
		FY 24	FY 24	FY 24
Opening GFA	A	401.48	74.94	476.41
Addition (as proposed)	b1	0.00	8.19	8.19
Deletion (as proposed)	b2	1.72	0.00	1.72
Closing GFA	c = a+b1-b2	399.76	83.13	482.88
Avg GFA	d = (a+c)/2	400.62	79.03	479.65
Depreciable Value (@90% of Closing GFA)	e = dx90%	360.56	71.13	431.68
Cumulative depreciation recovered till beginning of the year	F	336.57	35.45	372.03
Less: Cumulative depreciation adjustment on account of Decapitalisation	g	0.00	0.01	0.01
Opening Cumulative Depreciation [Value, %]	h = f-g	336.58	35.44	372.02
	i = h/c	84%	45%	78%
Balance Depreciable Value	J=e-h	23.98	35.69	59.66
Balance Useful life at the beginning of the year	k=25-Age	4	4	4

Annual Depreciation (spread in balance useful life)	**l=j/k**	**5.99**	**8.92**	**14.92**
Closing Cumulative Depreciation [Value]	m=h-l	342.57	44.36	386.94

Table110: Depreciation (In Rs. Crore) for FY 2023-24 - Unit # 2&3(Combined)

Particulars	**Formulae**	**Original Project Cost**	**Add Cap**	**Total**
		FY 24	**FY 24**	**FY 24**
Opening GFA	A	813.25	154.80	968.05
Addition (as proposed)	b1	0.00	16.38	16.38
Deletion (as proposed)	b2	3.45	0.00	3.45
Closing GFA	c = a+b1-b2	809.80	171.19	980.99
Avg GFA	d = (a+c)/2	811.53	163.00	974.52
Depreciable Value (@90% of Closing GFA)	e = dx90%	730.37	146.70	877.07
Cumulative depreciation recovered till beginning of the year	F	694.69	78.67	773.36
Less: Cumulative depreciation adjustment on account of Decapitalisation	g	0.09	0.02	0.12
Opening Cumulative Depreciation [Value, %]	h = f-g	694.60	78.64	773.24
	i = h/c	86%	48%	79%
Balance Depreciable Value	J=e-h	35.78	68.05	103.83
Balance Useful life at the beginning of the year	k=25-Age	3.32	3.32	3.32
Annual Depreciation (spread in balance useful life)	**l=j/k**	**10.76**	**20.47**	**31.23**
Closing Cumulative Depreciation [Value]	m=h-l	705.36	99.11	804.47

Table111: Summary of Depreciation (In Rs. Crore) for FY 2023-24 - Unit # 2

Particulars	**Proposed**	**Approved in MYT Order**	**Diff**
Depreciation on Original Capital Cost	4.14	8.53	6.58
Depreciation on Additional Capitalizations	10.96		
Total Depreciation during the year	**15.11**	**8.53**	6.58

Table112: Summary of Depreciation (In Rs. Crore) for FY 2023-24 - Unit # 3

Particulars	Proposed	Approved in MYT Order	Diff
Depreciation on Original Capital Cost	5.99	9.01	5.91
Depreciation on Additional Capitalizations	8.92		
Total Depreciation during the year	**14.92**	**9.01**	5.91

Table113: Summary of Depreciation (In Rs. Crore) for FY 2023-24 - Unit # 2&3(Combined)

Particulars	Proposed	Approved in MYT Order	Diff
Depreciation on Original Capital Cost	10.76	17.54	13.69
Depreciation on Additional Capitalizations	20.47		
Total Depreciation during the year	**31.23**	**17.54**	13.69

E.5.4 Operation & Maintenance Expenses for FY 2023-24

178. As per Generation Tariff Regulations, 2020; the Petitioner in the MYT Business Plan and Petition, presented the O&M Expenses for Unit 2 and Unit 3 for the Control Period FY 2021-22 to 2025-26 under 5 broad categories, viz.,

- Projected O&M Expenses for the Control Period FY 2021-22 to 2025-26
  - Employee Expenses without terminal benefits
  - Repairs & Maintenance (R&M) Expenses
  - Administrative and General (A&G) Expenses
- Raw Water Charges
- Ash Disposal Expenses
- Terminal Benefits
- Application Fee & Publication Expenses

179. Pursuant to above and after due prudence check, the Hon'ble Commission in the MYT Order dated 04.11.2022 approved the O&M expenses for FY 22-26 under the above broad categories and following expenses are allowed on normative and actual basis.

(a) O&M expenses viz., Employee Expenses without Terminal Benefits, R&M Expenses, Other A&G Expenses, Head Office Expenses, Legal Expenses are allowed on normative basis as approved by the Hon'ble subject to truing-up of escalation factor in respective years. In Addition to above, Employee Expenses shall also be subject to variation in growth factor in respective years.

(b) O&M Expenses namely, Ash Disposal Expenses, Application and Publication Expenses, Terminal Benefits and Raw Water Charges shall be allowed on actual basis subject to prudence check.

180. Therefore, for the purpose of APR of FY 24, Petitioner has claimed the O&M Expenses in accordance with the approach followed earlier; Normative (for items at Sl. No (a) above)/estimated/approved projections (for items at Sl. No (b) above) in the MYT Order as explained below.

Employee Expenses

181. As elaborated in True-up section of FY 23, Growth Factor G and inflation factor, as specified in GTR 2020 has been revised/undergone a change and the same is not repeated here for sake of brevity and it is requested to kindly refer section D.5.4 of true-up Section. Accordingly, the revised Employee Expenses for FY 23-24 claimed for the purpose of APR FY 23-24 are summarized below for kind consideration of the Hon'ble Commission:

Table114: Revised Employee Expenses (In Rs. Crore) for FY 2023-24 - Unit # 2&3

Particulars	FY-21 (Base Year)	FY-22	FY-23	FY-24	FY-25	FY-26
Unit-II						
Employee Expenses	7.74	9.07	9.86	10.20	10.55	10.92
Unit-III						
Employee Expenses	7.74	9.07	9.86	10.20	10.55	10.92

R&M, Other A&G, HO & Legal Expenses

182. As explained in true-up section, the actual inflation factor of FY 23 (i.e. 7.56%) has been considered for the purpose of truing-up in place of inflation factor of 3.47% as approved in the MYT Order. Therefore, to arrive at the Normative R&M Expenses, Other A&G Expenses, Legal Expenses and HO expenses for FY 24 the approved expenses in the MYT Order for FY 24 is multiplied with the factor (1+7.56%)/(1+3.47%) i.e., inflation of 3.47% of FY 23 has removed and in place of it, the actual inflation of 7.56% has been factored to arrive at the revised Normative Expenses as Normative expenses for FY 23 shall be base for arriving at the Normative Expenses for FY 24. With actual inflation factor the Normative R&M Expenses, Other A&G Expenses, HO Expenses, Legal Expenses for FY 24 works out to following for Unit 2&3 and the same has been considered for the purpose of APR of FY 24.

Table115: Revised Normative Expenses (In Rs. Crore) for FY 2023-24 - Unit # 2&3

	Unit 2		Unit 3	
Particulars	Approved in the MYT Order	Revised	Approved in the MYT Order	Revised
	FY 24	FY 24	FY 24	FY 24
R&M Expenses	17.86	18.57	16.55	17.21
A&G Expenses	6.81	7.08	6.39	6.64
Legal Expenses	0.01	0.01	0.01	0.01
HO Expenses	13.62	14.16	13.58	14.12

Raw Water Charges

183. Further, for the purpose of APR FY 2023-24, estimated raw water expense has been worked out considering the projected consumption and raw water charge rate applicable for the year. Projection has been worked out considering actual consumption till October'23 and thereafter considering the weighted average consumption so far for remaining months as shown under the estimated Operational Performance for the year (enclosed as ANNEXURE P22). Computations of estimated water charges for the year are exhibited below and are

subject to true-up at actual in accordance with Generation Tariff Regulations, 2020.

184. Further, regarding the Water Tax, the Petitioner wishes to submit that the Government of Jharkhand (GoJ) has issued the revised water notification which is applicable from the 1st of April 2023. In terms of the revised notification, there are separate classifications for supply for industrial usage and supply for municipal. Tata Steel vide its email dated 05.07.2023 informed Tata Power that they agreed to the rates for supply of water for industrial usage (Rs 13.00 per KL) and have started paying the same in its entirety to GoJ and further requested Tata Power to also make full payment in terms of Invoices raised from 01.04.2023. Copy of the revised Notification and email dated 05.07.2023 have been enclosed and marked as **ANNEXURE P27**.

185. Accordingly, for the purposes of present Petition, the Petitioner has considered 100% of the base water charges and 100% of the tax component, since no dispute is pending before any court for the period 01.04.2023 and the projections summarized in the table below are subject to true-up later based on actuals.

Table116: Raw Water Expenses for FY 2023-24 - Unit # 2&3

Particulars	Unit wise Water Consumption allocated based on generation (in m^3)		EffectiveWater Rate for FY 2023-24(in Rs./m^3)	Water Charges (in Rs. Cr.)	
	Unit 2 (a)	Unit 3 (b)		Unit 2	Unit 3
Base water charge rate	2082428	2011893	15.23	3.17	3.06
Water tax			13.00	2.71	2.62
Total			28.23	5.88	5.68
Claim of Water Charges in Unit 2	100% base waer charges+@100% for Water Tax as per new Notification on Water Tax which has been accepted by TSL			5.88	
Claim of Water Charges in Unit 2				5.68	

Ash Disposal Expenses

186. Ash disposal expenses for Unit 2 and Unit 3 have been claimed as per projections approved in the MYT Order dated 04.11.2022 and shall update the Hon'ble Commission in the subsequent quarterly report on the status of the disposal and challenges related to Ash Disposal including measures taken up by Tata Power.

187. Based on above, the detailed component-wise summary of the O & M expenses for Unit # 2 & 3 has been shown in the following tables:

Table117: Summary of O & M expenses for FY 2023-24 - Unit # 2 (Rs. Crore)

Particulars	Proposed	Approved in MYT Order	Difference
A: Items Allowed on Normative Basis			
Employee Expenses excluding Terminal Liabilities	10.20	9.00	1.20
Repairs & Maintenance Expenses	18.57	17.86	0.71
Other Admin & General Expenses	7.08	6.81	0.27
Head Office Expenses	14.16	13.62	0.54
Legal Expenses	0.01	0.01	0.00
B: Item Allowed on Actual Basis			
Raw Water Expenses	5.88	5.80	0.08
Ash Disposal Expenses	4.59	4.59	0.00
Terminal Liabilities	0.92	0.92	0.00
Application fees and Publication Expenses	0.13	0.13	0.00
O&M Expenses	**61.53**	**58.74**	2.79

Table118: Summary of O & M expenses for FY 2023-24 - Unit # 3 (Rs. Crore)

Particulars	Proposed	Approved in MYT Order	Difference
A: Items Allowed on Normative Basis			
Employee Expenses excluding Terminal Liabilities	10.20	9.00	1.20
Repairs & Maintenance Expenses	17.21	16.55	0.66
Other Admin & General Expenses	6.64	6.39	0.25
Head Office Expenses	14.12	13.58	0.54
Legal Expenses	0.01	0.01	0.00
B: Item Allowed on Actual Basis			
Raw Water Expenses	5.68	5.76	(0.08)
Ash Disposal Expenses	4.92	4.92	0.00
Terminal Liabilities	0.92	0.92	0.00
Application fees and Publication Expenses	0.13	0.13	0.00
O&M Expenses	**59.82**	**57.26**	2.56

Table119: Summary of O & M expenses for FY 2023-24 - Unit # 2&3(Combined) (Rs. Crore)

Particulars	Proposed	Approved in MYT Order	Difference
A: Items Allowed on Normative Basis			
Employee Expenses excluding Terminal Liabilities	20.40	18.00	2.40
Repairs & Maintenance Expenses	35.77	34.41	1.36
Other Admin & General Expenses	13.72	13.20	0.52
Head Office Expenses	28.28	27.20	1.08
Legal Expenses	0.02	0.02	0.00
B: Item Allowed on Actual Basis			
Raw Water Expenses	11.56	11.56	(0.00)
Ash Disposal Expenses	9.51	9.51	0.00
Terminal Liabilities	1.84	1.84	0.00
Application fees and Publication Expenses	0.260	0.26	0.00
O&M Expenses	**121.36**	**116.00**	5.36

E.5.5 Interest on Working Capital for FY 2023-24

188. For the purpose of computing Interest on Working Capital, Cost of Coal has been considered as per Energy Charge Rate computed based on the estimated weighted average Landed Price of Coal and LDO for FY 2023-24. Further, Rate of interest has been considered as the bank Rate as on 01.04.2023 of the FY subject to true-up as per Regulation 15.26 of Generation Tariff Regulations, 2020. Further, in terms of Regulation 15.23 and in accordance with the MYT Order, the computation of Interest on Working Capital for FY 2023-24 for the purpose of APR has been shown in the following Tables.

Table120: Interest on Working Capital for FY 2023-24 - Unit # 2 (Rs. Crore)

Particulars	Projected	Approved in MYT Petition	Difference
Computation of Cost Elements at Normative Availability	366	366	0.00
Gross Generation at Normative Availability & Aux Power (i) (MUs)	895.97	895.97	0.00
Ex-Bus Generation at Normative Availability & Aux Power (i) (MUs)	815.33	815.33	0.00
Rate of Energy Charges Pertaining to Coal (ii) (Rs/Kwh)	3.058	2.695	0.36
Coal Cost at Normative Availability [=(i)x(ii)]	249.32	219.71	29.60
LDO Cost at Normative Availability	3.53	2.02	1.50
Annual Fixed Charges (excluding Incentive) at Normative Availability	118.76	104.25	14.50
O&M Expenses	61.53	58.74	2.79
Working Capital as Maintenance Spares (at 20% of O&M Expenses)	12.31	11.75	0.56
Elements of Working Capital			0.00
Working Capital as Coal Cost for 50 days	34.06	30.02	4.04
Working Capital as LDO Cost for 2 months	0.59	0.34	0.25
Working Capital as Receivables for 45 days	45.69	40.08	5.61
Working Capital as O&M Expenses for 1 month	5.13	4.90	0.23
Working Capital as Maintenance Spares (at 20% of O&M Expenses)	12.31	11.75	0.56
Total Working Capital	**97.77**	**87.08**	10.69
Computation of Interest on Working Capital			0.00

Bank Rate as on 01.04.2023 +(3.5%)	12.00%	10.50%	0.02
Interest on Working Capital	**11.73**	**9.14**	2.59

Table121: Interest on Working Capital for FY 2023-24 - Unit # 3 (Rs. Crore)

Particulars	Proposed	Approved by Hon'ble Commission	Difference
Computation of Cost Elements at Normative Availability	366	366	0.00
Gross Generation at Normative Availability & Aux Power (i) (MUs)	895.97	895.97	0.00
Ex-Bus Generation at Normative Availability & Aux Power (i) (MUs)	815.33	815.33	0.00
Rate of Energy Charges Pertaining to Coal (ii) (Rs/Kwh)	3.077	2.767	0.31
Coal Cost at Normative Availability [=(i)x(ii)]	250.85	225.58	25.28
LDO Cost at Normative Availability	3.53	2.02	1.51
Annual Fixed Charges (excluding Incentive) at Normative Availability	116.27	104.25	12.01
O&M Expenses	59.82	57.26	2.56
Working Capital as Maintenance Spares (at 20% of O&M Expenses)	11.96	11.45	0.51
Elements of Working Capital			0.00
Working Capital as Coal Cost for 50 days	34.27	30.82	3.45
Working Capital as LDO Cost for 2 months	0.59	0.34	0.25
Working Capital as Receivables for 45 days	45.57	40.80	4.77
Working Capital as O&M Expenses for 1 month	4.99	4.77	0.21
Working Capital as Maintenance Spares (at 20% of O&M Expenses)	11.96	11.45	0.51
Total Working Capital	**97.38**	**88.18**	9.20
Computation of Interest on Working Capital			
Bank Rate as on 01.04.2023 +(3.5%)	12.00%	10.50%	0.02
Interest on Working Capital	**11.69**	**9.26**	2.43

Table122: Interest on Working Capital for FY 2023-24 - Unit # 2&3(Combined)

(Rs. Crore)

Particulars	Proposed	Approved by Hon'ble Commission	Difference
Computation of Cost Elements at Normative Availability	366	366	0
Gross Generation at Normative Availability & Aux Power (i) (MUs)	1791.94	1791.94	0.00
Ex-Bus Generation at Normative Availability & Aux Power (i) (MUs)	1630.66	1630.66	0.00
Rate of Energy Charges Pertaining to Coal (ii) (Rs/Kwh)	3.067	2.731	0.34
Coal Cost at Normative Availability [=(i)x(ii)]	500.16	445.29	54.87
LDO Cost at Normative Availability	7.06	4.05	3.01
Annual Fixed Charges (excluding Incentive) at Normative Availability	236.17	210.85	25.32
O&M Expenses	121.36	116.00	5.36
Working Capital as Maintenance Spares (at 20% of O&M Expenses)	24.27	23.20	1.07
Elements of Working Capital			0.00
Working Capital as Coal Cost for 50 days	68.33	60.83	7.50
Working Capital as LDO Cost for 2 months	1.18	0.67	0.50
Working Capital as Receivables for 45 days	91.40	81.17	10.23
Working Capital as O&M Expenses for 1 month	10.11	9.67	0.45
Working Capital as Maintenance Spares (at 20% of O&M Expenses)	24.27	23.20	1.07
Total Working Capital	**195.29**	**175.54**	19.75
Computation of Interest on Working Capital			
Bank Rate as on 01.04.2023 +(3.5%)	12.00%	10.50%	0.02
Interest on Working Capital	**23.43**	**18.43**	5.00

E.5.6 Incentive (Pre-Tax) FY 2023-24

189. Incentive (pre-tax) for the purpose of APR 2023-24 is claimed as nil as of now and the same shall be subject to True-up as per Generation Tariff Regulations, 2020 and the submissions made in preceding paragraphs in Section D.

E.5.7 Annual Fixed Charges for FY 2023-24

190. The various elements of Annual Fixed Charges for FY 2023-24 have been summarized in the following Tables. Tata Power humbly requests the Hon'ble Commission to approve the proposed Annual Fixed Charges for FY 2023-24 subject to revision in the final true-up subsequently.

Table123: Annual Fixed Charges for FY 2023-24 - Unit # 2 (Rs. Crore)

Particulars	Proposed	Approved in MYT Order	Difference
Depreciation	15.11	8.53	6.58
Interest on Loan	0.63	1.82	(1.19)
O&M Expenses	61.53	58.74	2.79
Return on Equity (Pre-Tax)	29.76	28.33	1.43
Interest on Working Capital	11.73	9.14	2.59
Total Annual Fixed Charges (excluding Incentive)	**118.76**	**106.56**	**12.19**
Incentive (Pre-Tax)	0.00	0.00	0.00
Total Annual Fixed Charges	**118.76**	**106.56**	**12.19**

Table124: Annual Fixed Charges for FY 2023-24 - Unit # 3 (Rs. Crore)

Particulars	Proposed	Approved in MYT Order	Difference
Depreciation	14.92	9.01	5.91
Interest on Loan	1.00	1.20	(0.19)
O&M Expenses	59.82	57.26	2.56
Return on Equity (Pre-Tax)	28.84	27.53	1.31
Interest on Working Capital	11.69	9.26	2.43
Total Annual Fixed Charges (excluding Incentive)	**116.27**	**104.25**	**12.01**
Incentive (Pre-Tax)	0.00	0.00	0.00
Total Annual Fixed Charges	**116.27**	**104.25**	**12.01**

Table125: Annual Fixed Charges for FY 2023-24 - Unit # 2&3(Combined) (Rs. Crore)

Particulars	Proposed	Approved in MYT Order	Difference
Depreciation	31.23	17.54	13.69
Interest on Loan	1.55	3.01	(1.47)
O&M Expenses	121.36	116.00	5.36
Return on Equity (Pre-Tax)	58.60	55.86	2.74
Interest on Working Capital	23.43	18.43	5.00
Total Annual Fixed Charges (excluding Incentive)	**236.17**	**210.85**	**25.32**
Incentive (Pre-Tax)	0.00	0.00	0.00
Total Annual Fixed Charges	**236.17**	**210.82**	**25.35**

E.6 ANNUAL REVENUE REQUIREMENT OR FY 2023-24

191. The expected Annual Revenue Requirement & Generation Tariff of Jojobera Unit 2, Unit 3 and combined Unit 2&3 for FY 2023-24 is summarized in the following Tables.

Table126: Annual Revenue Requirement FY 2023-24 - Unit # 2

Particulars	UoM	Proposed	Approved in MYT Petition	Difference
Depreciation	Rs Crore	15.11	8.53	6.58
Interest on Loan	Rs Crore	0.63	1.82	(1.19)
O&M Expenses	Rs Crore	61.53	58.74	2.79
Return on Equity (Pre-Tax)	Rs Crore	29.76	28.33	1.43
Interest on Working Capital	Rs Crore	11.73	9.14	2.59
Total Annual Fixed Charges	**Rs Crore**	**118.76**	**106.56**	**12.19**
Incentive (Pre-tax)	Rs Crore	0.00	0.00	0.00
Annual Fixed Charges (including Incentive)	**Rs Crore**	**118.76**	**106.56**	**12.19**
Energy Charge Rate	Rs/Kwh	3.101	2.720	0.38
Energy Charges	**Rs Crore**	**250.68**	**221.74**	**28.94**
Less: Discount as per [SHAKTI 2&3]	Rs Crore	3.87	3.63	0.24
Total Annual Revenue Requirement	**Rs Crore**	**365.57**	**324.67**	**40.90**

Table127: Annual Revenue Requirement FY 2023-24 - Unit # 3

Particulars	UoM	Proposed	Approved in MYT Petition	Difference
Depreciation	Rs Crore	14.92	9.01	5.91
Interest on Loan	Rs Crore	1.00	1.20	(0.19)
O&M Expenses	Rs Crore	59.82	57.26	2.56
Return on Equity (Pre-Tax)	Rs Crore	28.84	27.53	1.31
Interest on Working Capital	Rs Crore	11.69	9.26	2.43
Total Annual Fixed Charges	**Rs Crore**	**116.27**	**104.25**	**12.01**
Incentive (Pre-tax)	Rs Crore	0.00	0.00	0.00
Annual Fixed Charges (including Incentive)	**Rs Crore**	**116.27**	**104.25**	12.01
Energy Charge Rate	Rs/Kwh	3.120	2.792	0.33
Energy Charges	**Rs Crore**	**243.64**	**227.60**	**16.04**
Less: Discount as per [SHAKTI]	Rs Crore	3.58	3.63	(0.05)
Total Annual Revenue Requirement	**Rs Crore**	**356.32**	**328.22**	**28.10**

Table128: Annual Revenue Requirement FY 2023-24 - Unit # 2&3(Combined)

Particulars	UoM	Proposed	Approved in MYT Petition	Difference
Depreciation	Rs Crore	31.23	17.54	13.69
Interest on Loan	Rs Crore	1.55	3.01	(1.47)
O&M Expenses	Rs Crore	121.36	116.00	5.36
Return on Equity (Pre-Tax)	Rs Crore	58.60	55.86	2.74
Interest on Working Capital	Rs Crore	23.43	18.40	5.03
Total Annual Fixed Charges	**Rs Crore**	**236.17**	**210.82**	**25.35**
Incentive (Pre-tax)	Rs Crore	0.00	0.00	0.00
Annual Fixed Charges (including Incentive)	**Rs Crore**	**236.17**	**210.82**	**25.35**
Energy Charge Rate	Rs/Kwh	3.111	2.756	0.35
Energy Charges	**Rs Crore**	**494.34**	**449.34**	**45.00**
Less: Discount as per [SHAKTI 2]	Rs Crore	7.45	7.26	0.19
Total Annual Revenue Requirement	**Rs Crore**	**723.06**	**652.90**	**70.16**

192. Tata Power humbly prays to approve the above estimated combined Annual Revenue Requirement for the Purpose of APR FY 2023-24.

F. Status of Compliance of Directives

193. This Section gives the Status of Compliance of various directives issued by Hon'ble Commission for Jojobera Unit 2 and Unit 3 in the following Table for kind consideration of Hon'ble Commission:

SL. No.	Directive	Status
1	Clause A10/9.3-JSERC Order dated 04.11.2022 & Para 8.3 of Order dated 22.05.2023 Extract: *"The Commission directs the Petitioner to devise ways to control the expenses and maintain transit loss at the levels specified as per Generation Tariff Regulations 2015"*	Tata Power deliberated with TSL West Boakro to minimize Transit Loss in Middling Coal. Team was formed to devise ways to minimize the Transit loss. A short note on various initiatives implemented in last few years is enclosed as **ANNEXURE -P28.** Consequent to implementation of initiatives, Tata Power has been able to reduce transit loss in middling coal and same has also been acknowledged by TSL. TSL Acknowledgement is enclosed as **ANNEXURE-P29** It is pertinent to mention here that since quantity of washery Coal (Washed coal from mines of TSL West Boakro) is getting lower in current financial year and for balance year of the control period, this issue will have much lower impact. Further, since Tata Power is claiming Transit Loss in the present Petition at normative levels specified in the

SL. No.	Directive	Status
		Regulations, this issue does not survive for present Petition. Inherently, moisture loss is high in washed coal on which the Petitioner has no control. In compliance with the direction of the Hon'ble Commission, the Petitioner submits the actions taken on this issue in the instant Petition.
2	Clause A7/7.4 - JSERC Order dated 27.12.2019 Clause A9/9.4-JSERC Order dated 14.02.2020 Clause A10/9.4-JSERC Order dated 04.11.2022 Extract: *"The Petitioner is directed to submit monthly details of a number of unit-wise start ups taken after shutdown. Also, details should include the monthly quantity of secondary fuel consumed during plant start up and flame support if required. The same should be submitted with subsequent APR and True-up Petitions."*	Submitted in instant petition as **ANNEXURE P30.**
3	Clause A9/9.5-JSERC Order dated 14.02.2020 Clause A10/9.4-JSERC Order dated 04.11.2022 Extract: *"The Petitioner has submitted DPR of schemes that have been proposed along with the petition. In the DPRs the Petitioner has submitted details about the project along with costs and have also worked out the impact of such schemes. The Commission has observed that such analysis and costs have not been supported by rate reasonability and should have the approval of the competent authority of Tata Power. The petitioner should provide supporting documents in the form of ordered rates, order for work carried out previously, quotations etc. The Petitioner is directed to ensure the compliance."*	This directive is complied in MYT Petition for FY 2021-22 to FY 2025-26, wherein capitalization plan for Third Control Period has been given along with Detailed Project Report for each Scheme and also acknowledged by the Hon'ble Commission in the MYT Order. Also, for new schemes submitted in last Petition detailed project report has been enclosed.
4	Clause A9/9.6- JSERC Order dated 14.02.2020 Clause A10/9.4-JSERC Order dated 04.11.2022 Extract:*"The Petitioner is hereby directed that during the execution of work pertaining to any preapproved schemes, any increase in the scope of work, procurement, services, price/cost etc. should*	For FY 23, and for current years as well, All Add Cap Reports have been submitted to Hon'ble Commission. Hon'ble Commission

SL. No.	Directive	Status
	be brought to the notice of commission immediately."	has acknowledged the submission of quarterly reports for earlier years in the MYT Order. For FY 2023-24, Q1 Report has been submitted on 30.09.2023.
5	Clause A7/7.4 - JSERC Order dated 27.12.2019 Clause A10/9.4-JSERC Order dated 04.11.2022 Extract:*The Petitioner is directed to submit status report of actions taken for disposal of ashes generated from the plant as per the statutory guidelines specified by MoEF and JSPCB and submit quarterly reports to the Commission. Such reports should also form part of the subsequent APR and True-up Petitions."*	This Directive is being complied through submission of quarterly ash utilization reports. All reports of FY 2022-23 including Q 1 of FY 2023-24 have been submitted.
6	Clause 7.1: JSERC Order dated 09.09.2020 Clause A10/9.4-JSERC Order dated 04.11.2022 Extract: *The Commission has observed that due to various reasons like primary fuel mix, GCV and Landed price the energy charge rate is too high. The Petitioner is required to prepare its strategy for coal procurement plan to optimize its energy charge.*	This is to submit that this directive is being complied through Quarterly Directive Reports submitted to Hon'ble Commission and the same has been acknowledged by the Hon'ble Commission in the MYT Order as well. Revised Fuel Mix Plan has been also submitted alongwith the instant Petition.
7	Clause 7.2:JSERC Order dated 09.09.2020 Clause A10/9.4-JSERC Order dated 04.11.2022 Extract: *The Commission directs the Petitioner to ensure that proper planning should be carried out before finalization and submission of Capex planning before the Commission for approval. Further, in case there is need to review/revise any scheme or change in the Scope of Work, the same is required to be submitted before the Commission with proper justification for approval.*	Revised Phasing of Capex has been submitted in instant Petition.
8	Clause 7.3:JSERC Order dated 09.09.2020 Extract:*The Commission observed that both the Units (Unit-II & Unit-III) have remaining useful life less than ten years as per regulations. The Petitioner is required to carry out the carryout residual life study before any additional capitalization in the plant and justify its operational and financial benefits.*	Tata power is Planning for this activity on critical equipments in the annual shutdown. However, RLA for undertaking Renovation and Modernization of the

SL. No.	Directive	Status
		Plant is yet to be finalized by the Petitioner and, therefore, it shall intimate Hon'ble Commission as soon as the scope of the RLA is finalized.

ANNEXURES

ANNEXURE - P1A
(True-up)
Unit wise

Tata Power, Jojobera (Unit2 and Unit 3)			
INDEX OF FORMATS			
	Summary Formats		**PARTICULARS**
1	Sheet	S1	Profit & Loss Account
2	Sheet	S2	Balance Sheet
3	Sheet	S3	Annual Revenue Requirement
4	Sheet	S4	Return on Equity
5	Sheet	S5	Summary of Generation Cost
	Detailed Financial Formats		
6	Sheet	F1	Revenue from Tariff and Charges
7	Sheet	F2	Income from investments and other non tariff income
8	Sheet	F3	Generation Details: Fuel and Variable Cost
9	Sheet	F3a	Computation of Energy Charges
10	Sheet	F4	R&M Expenses
11	Sheet	F5	Employees' Cost & Provisions
12	Sheet	F5a	Employee Strength
13	Sheet	F6	Administration & General Expenses
14	Sheet	F7	Statement of Fixed Assets and Depreciation
15	Sheet	F8	Interest and Finance Charges
16	Sheet	F9	Details of Expenses Capitalised
17	Sheet	F10	Share Capital, Reserves and Surplus
18	Sheet	F11	Investments
19	Sheet	F11a	Grants towards cost of capital assets
20	Sheet	F12	Current Assets and Liabilities
21	Sheet	F13	Working Capital Requirements
22	Sheet	F14	Project-wise / Scheme-wise Capital Expenditure
23	Sheet	F15	Capital Works in Progress
24	Sheet	F16	Details/Information to be Submitted in respect of Fuel for Computation of energy charges
25	Sheet	F17	Capital Spares

Tata Power, Jojobera (Unit2 and Unit 3)			
Annual Revenue Requirement - Unit 2			
S. No.	**Particulars**	**Reference Form**	**Control Period FY 2022-23 Proposed**
A	**Generation**		
1	Gross Generation (MU)	F3	881.23
2	Aux Consumption (%)	F3	8.50%
3	Net Generation (MU)	F3	806.29
B	**Receipts**		365.13
1	Revenue from Sale of Power	F1	365.13
C	**Expenditure**		
1	Variable Costs, including Fuel Cost, LDO Cost	F3	255.92
2	O&M expenses		55.98
a	R&M Expense	F4	17.77
b	Employee Expenses	F5	10.26
c	A&G Expense	F6	27.59
d	Capital Spares	F17	0.37
3	Depreciation	F7	14.04
4	Less: Interest & other expenses capitalised	F9	
5	Return on Equity (pre-tax)	S4	29.55
6	Interest on Loans	F8	1.19
7	Interest on Working Capital	F13	10.16
8	PLF Incentive(Pre-Tax)		0.14
D	**Annual Revenue Requirement (excluding Adjustments)**		**366.99**
9	Less: Discount as per [SHAKTI 2&3]		3.32
10	Less: Gain on Operational Parameters[25%]		2.35
11	Less: Gain on O&M Expenes[50%]		2.70
12	Less: Non Tariff Income		1.86
13			
E	**Annual Revenue Requirement after Adjustments**		**356.75**
14	Actual Revenue Recovered through Billing for FY 23	Rs Crore	**341.27**
15	Revenue Gap/(Surplus)	Rs Crore	**15.48**
16	Prevailing Bank Rate as on 1st April of 2022	%	**10.50%**
17	Carrying Cost for 6 Months, i.e., upto 31.03.2023	Rs Crore	0.81
18	Prevailing Bank Rate as on 1st April 2023	%	**12.00%**
19	Carrying Cost for FY 23-24	Rs Crore	1.86
20	**Proposed Revenue Gap/(Surplus) for FY 22-23 including carrying cost upto March-2024.**	**Rs Crore**	**18.15**

Tata Power, Jojobera (Unit2 and Unit 3)			
Annual Revenue Requirement - Unit 3			Form No: S3
			(Rs Crores)
S. No.	Particulars	Reference Form	Control Period FY 2022-23 Proposed
A	**Generation**		
1	Gross Generation (MU)	F3	907.14
2	Aux Consumption (%)	F3	8.61%
3	Net Generation (MU)	F3	829.04
B	**Receipts**		295.26
1	Revenue from Sale of Power	F1	295.26
C	**Expenditure**		
1	Variable Costs, including Fuel Cost, LDO Cost	F3	261.56
2	O&M expenses		54.17
a	R&M Expense	F4	16.57
b	Employee Expenses	F5	10.26
c	A&G Expense	F6	27.34
d	Capital Spares	F17	-
3	Depreciation	F7	14.11
4	Less: Interest & other expenses capitalised	F9	
5	Return on Equity (pre-tax)	S4	28.63
6	Interest on Loans	F8	1.34
7	Interest on Working Capital	F13	10.03
8	PLF Incentive(Pre-Tax)		1.66
D	**Annual Revenue Requirement (excluding Adjustment)**		**371.49**
9	Less: Discount as per [SHAKTI 2&3]		3.30
10	Less: Gain on Operational Parameters[25%]		2.47
11	Less: Gain on O&M Expenes[50%]		2.70
12	Less: Non Tariff Income		1.91
13			
E	**Annual Revenue Requirement after Adjustments**		**361.12**
14	Actual Revenue Recovered through Billing for FY 23	Rs Crore	351.05
15	Revenue Gap/(Surplus)	Rs Crore	10.07
16	Prevailing Bank Rate as on 1st April of 2022	%	11%
17	Carrying Cost for 6 Months, i.e., upto 31.03.2023	Rs Crore	0.53
	Prevailing Bank Rate as on 1st April 2023	%	12.00%
	Carrying Cost for FY 23-24	Rs Crore	1.21
	Proposed Revenue Gap/(Surplus) for FY 22-23 including carrying cost upto March-2024.	**Rs Crore**	**11.80**

Tata Power, Jojobera (Unit2 and Unit 3)			
Return on Equity - Unit 2			
S. No	Particulars	Reference Form	Control Period FY 2022-23 Proposed
1	Equity (Opening Balance)	F7	147.38
2	Net additions during the year	F7	0.11
3	Equity (Closing Balance)		147.49
4	Rate of Return on Equity **(post-tax)**		15.0%
5	Applicable Tax Rate		25.2%
6	Rate of Pre tax rate RoE (t %)		20.05%
7	Return on Opening Equity (Pre Tax)		29.54
8	Return on Additional Equity (Pre Tax)		0.01
	Return on Equity (pre-tax)		**29.55**

Tata Power, Jojobera (Unit2 and Unit 3)

Return on Equity - Unit 3

S. No	Particulars	Reference Form	Control Period FY 2022-23 Proposed
1	Equity (Opening Balance)		142.72
2	Net additions during the year	F7	0.20
3	Equity (Closing Balance)		142.92
4	Rate of Return on Equity **(post-tax)**		15.0%
5	Applicable Tax Rate		25.2%
6	Rate of Pre tax rate RoE (t %)		20.045%
7	Return on Opening Equity (Pre Tax)		28.61
8	Return on Additional Equity (Pre Tax)		0.02
	Return on Equity (pre-tax)		**28.63**

Tata Power, Jojobera (Unit2 and Unit 3)

Summary of Generation Cost Unit 2&3 — Form No: S5

S. No.	Year	Net Generation	Fuel Cost		O&M Cost	Depreciation	Int on Working Capital	Int on Loan	RoE (Pre-Tax)	Normative LDO Consumption**	Incentive (Pre-Tax)***	Tax on Efficiency Gain	Fixed Cost		Less: Non-tariff Income	Total Cost	
		MU	Rs Crores	p/u	Rs Crores	Rs Crores	Rs Crores	Rs Crores	Rs Crores	Rs Crores	Rs Crores	Rs Crores	Rs Crores	Paise/kWh	Rs Crores	Rs Crores	Paise/kWh
	Unit 2																
1	FY 2022-23	806.29	255.92	317.40	55.98	14.04	10.16	1.19	29.55	0.00	3.32	0.14	112.53	139.57	1.86	368.45	456.97
	Unit 3																
1	FY 2022-23	829.04	261.56	315.50	54.17	14.11	10.03	1.34	28.63	0.00	1.66	0.00	108.02	130.29	1.91	369.58	445.79

Tata Power, Jojobera (Unit2 and Unit 3)

Revenue from Tariff & Revenue from Tariff & Charges

S. No	Consumer	FY 2022-23					
		Units Sold	Fixed Charges#	Energy Charges	Fuel Cost Adjustment*	Shakti Discount	**Total Charges**
		MU	Rs Cr	Rs Cr	Rs Cr	Rs Cr	**Rs Cr**
1	Unit 2 to Tata Steel Limited	806.29	112.53	255.92	0.00	-3.32	**365.13**
2	Unit 3 to Tata Steel Limited	829.04	108.02	261.56	0.00	-3.30	**366.28**
	Total	**1635.34**	**220.55**	**517.48**	**0.00**		**731.41**

*** Fuel Price Adjustment (FPA) to be done through Monthly Billing as per Regulation**

Tata Power, Jojobera (Unit2 and Unit 3)		
Income from investments and other non-tariff income		Form No: F2
S. No	Particulars	Control Period FY 2022-23 Proposed
A	**Income from Investment, Fixed & Call Deposits**	
1	Interest Income from Investments	
2	Interest on fixed deposits	
3	Interest from Banks other than Fixed Deposits	
4	Interest on any other items	
	Sub-Total	**0.00**
	Unit 2	
B	**Other Non Tariff Income**	
1	Interest on loans and Advances to staff	**0.00**
2	Gain (Loss) on Sale of Fixed Assets	
3	Income/Fee/Collection against staff welfare activities	
4	Revenue from surcharges for late payment	
5	Other Non Tariff Income	**1.86**
	Sub-Total	**1.86**
	Total	**1.86**
	Unit 3	
C	**Other Non Tariff Income**	
1	Interest on loans and Advances to staff	0.00
2	Gain (Loss) on Sale of Fixed Assets	
3	Income/Fee/Collection against staff welfare activities	
4	Revenue from surcharges for late payment	
5	Other Non Tariff Income	
	Sub-Total	**1.91**
	Total	**3.77**

Tata Power, Jojobera (Unit2 and Unit 3)

Generation Details: Fuel and Variable Cost

Form No: F3

S. No	Year	Generation Details					Normative Values					Coal Consumption								Coal Cost								Energy Sent Out(Actual Aux)	Fuel Cost		Discount due to firing of SHAKTI Coal	Other Charges	Total Variable Cost w/o Shakti Dis
		Installed Capacity	Gross Generation	Aux Consumption		Net Generation	Aux Consumption	Availability, for full FC recovery	Station Heat Rate	Aux Consumption with PLF degredation	Station Heat Rate with PLF degredation compensation	Wt. Avg GCV of Coal Consumed during FY	Wt. Avg GCV of Coal Consumed during FY - 85kCal/kg	Specific Coal Consumption	Quantity of Coal	Transit Loss		Secondary Oil Consumption		Rate (Rs/MT)	Generation	Transit Loss	Total	Cost of Secondary Oil		Rate (Rs/MT)	Generation						
		MW	MU	MU	%	MU	%	%	kCal / kWh	%	kCal / kWh	Kcal/Kg	Kcal/Kg	kg / kWh	MMT/ year	%	MMT/ year	kl/ year	ml / kWh	Wtd Avg	Rs Cr	Rs Cr	Rs Cr	Rs / kl	Rs Cr	Rs/T	Rs Cr	MU	Rs Cr	P / U	Rs Cr	Rs Cr	Rs Cr
U2	FY 2022-23	120	881.23	74.94	8.50%	806.29	10.00%	85%	2567.00	0.10	2567.00	3819.69	3734.69	0.6859	0.60	0.80%	0.0048	440.62	0.50	4110.70	246.48	1.99	248.47	74077	3.26	0.00	0.00	793.11	255.92	317.40	3.32		255.92
U3	FY 2022-23	120	907.14	78.10	8.61%	829.04	9.00%	85%	2577.00	0.10	2577.00	3797	3712	0.6929	0.63	0.80%	0.01	453.57	0.50	4046.44	252.30	2.03	254.34	71491	3.24	0.00	0.00	816.43	261.56	315.50	3.30		261.56

Tata Power, Jojobera (Unit2 and Unit 3)			
Repair & Maintenance Expenditure			
S. No	Particulars	Proposed Proposed FY 2022-23	
		Unit 2	Unit 3
1	Plant and Machinery	17.77	16.57
2	Building		
3	Civil Works		
4	Hydraulic Works		
5	Lines, Cables Net Works etc.		
6	Vehicles		
7	Furniture and Fixtures		
8	Office Equipments		
9	O&M Expenses on Account of Additional Capitalization during the Control Period		
10	Capital Maintenance Cost		
11	Capital Spares		
	Total (1 to 11)	**17.77**	**16.57**
12	Any other items (Capitalisation)		
13	R&M Cost for FGD System (inclusive of Manpower Cost)		
	Total (12-13)	**17.77**	**16.57**

Sl.No	Particulars	Control Period	
		FY 2022-23	
		Working Strength At The Beginning Of The Year	Sanctioned Strength At The Beginning Of The Year
1	Management Cadre	142	150
2	Non- Mangement Cadre	42	43
	Manpower Strength Details (apportioned to Unit 2 & 3)		
3	Management Cadre for Units 2&3	80	85
4	Non- Mangement Cadre for Units 2&3	24	25
	Total	**104**	**110**

* Manpower has been apportioned to Unit 2 and Unit 3 on the basis of Installed Capacity.

Tata Power, Jojobera (Unit2 and Unit 3)

Employee Expenses

	S.No	Particulars	Proposed Proposed FY 2022-23	
			Unit 2	Unit 3
A		**Employee's Cost (Other Than Covered In 'C'&'D')**		
	1	Salaries	9.86	9.86
	2	Additional Pay		
	3	Dearness Allowance (DA)		
	4	Other Allowances & Relief		
	5	Addl. Pay & C.Off Encashment		
	6	Interim Relief / Wage Revision		
	7	Honorarium/Overtime		
	8	Bonus/ Exgratia To Employees		
		Sub Total	**9.86**	**9.86**
B		**Other Costs**		
	9	Medical Expenses Reimbursement		
	10	Travelling Allowance(Conveyance Allowance)		
	11	Leave Travel Assistance		
	12	Earned Leave Encashment		
	13	Payment Under Workman's Compensation And Gratuity		
	14	Subsidised Electricity To Employees		
	15	Any Other Item		
	16	Staff Welfare Expenses		
		Sub Total	**0.00**	**0.00**
C		**Apprentice And Other Training Expenses**		
D		**Contribution To Terminal Benefits**	**0.40**	**0.40**
	1	Provident Fund Contribution	0.40	0.40
	2	Provision for PF Fund		
	3	Any Other Items (Other Retirals)		
D		**Grand Total**	**10.26**	**10.26**
E		Employee expenses capitalised		
F		**Net Employee expenses (D)-(E)**	**10.26**	**10.26**

* Employee Expenses have been claimed at Normative Basis after factoring the growth factor as discussed in the Petition

Tata Power, Jojobera (Unit2 and Unit 3)

Administration & General Expenses

S.No		Particulars		Proposed Proposed FY 2022-23 Unit 2	Unit 3
	1	Lease/ Rent			
	2	Insurance			
	3	Revenue Stamp Expenses Account (HRD Training Exp & Conference Fee)			
	4	Telephone, Postage, Telegram & Telex Charges			
	5	Incentive & Award To Employees/Outsiders (Gifts)			
	6	Consultancy Charges			
	7	Technical Fees (TBEM Assesment & Application Expense)			
	8	Tata Brand Equity			
	9	Conveyance And Travelling			
	10	License and Registration Fees (Legal and other Fee)			
	11	Vehicles Running Expenses Petrol And Oil (Guest House Expense)			
	12	Hiring Of Vehicles			
	13	Security / Service Charges Paid To Outside Agencies (Cost of Services)			
		Sub-Total 'A' (1 To 12)		**0.00**	**0.00**
B. Other Charges	1	HO Allocation		13.68	13.64
	2	Printing And Stationery			
	3	Advertisement Expenses (Other Than Purchase Related) Exhibition &		0.20	0.20
	4	Contributions/Donations To Outside Institutes / Associations			
	5	Miscellaneous Expenses			
	6	Water Charges*		4.15	4.28
	7	Entertainment Charges			
	8	Ash Disposal Expense*		2.70	2.80
	9	**Other A&G Expenses**		6.84	6.41
		Sub-Total 'B' (1 To 9)		**27.58**	**27.33**
C.		**Legal Charges**		0.01	0.01
D.		**Auditor's Fee**			
E. Material Related Expenses	1	Freight On Capital Equipments			
	2	Purchase Related Advertisement Expenses			
	3	Vehicle Running Expenses Truck / Delivery Van			
	4	Vehicle Hiring Expenses Truck / Delivery Van			
	5	Other Freight			
	6	Transit Insurance			
	7	Octroi			
	8	Incidental Stores Expenses			
	9	Fabrication Charges			
		Sub Total 'E' (1 To 9)		**0.00**	**0.00**
G.		**Grand Total (A To F)**	**Total Charges**	**27.59**	**27.34**
		Total Charges Chargeable To	**Capital Works (-)**		
			Revenue Expenses	**27.59**	**27.34**

S No	**Control Period**				
	FY 2022-23				
	Fixed Assets				
	Opening GFA	Additional Capitalisation in FY 23	Deletion of assets FY 23	Depreciation (original project Cost)	Depreciation on Additional Capitalization FY 12-23
	491.25	**0.52**	**0.14**	**4.39**	**9.65**

S No	**Control Period**					
	FY 2022-23					
	Fixed Assets					
	Opening GFA	Additional Capitalisation in FY 23	Deletion of assets FY 23	Depreciation (original project Cost)	Depreciation on Additional Capitalization FY 12-23	Closing GFA
	475.72	**0.70**	**0.02**	**6.19**	**7.92**	**476.40**
	Note: Cumulative Depreciation for Unit 2 has already crossed 70% and Depreciation is being computed on GFA basis. Detailed computation shared with the Petition					

Tata Power, Jojobera (Unit2 and Unit 3)

Interest and Finance Charges - Unit 2 **Form No. F8**

(Rs Crores)

Sl. No.	Loan Details	Loan Tenure (yrs)	Rate of Interest	Opening Balance	Amount received	Principal repayment	Average Debt	Interest		Closing Balance
								Due	%	
	FY 2021-22									
1	Normative Loan contributed to Additional Capitalization during FY 12-21		**9.00%**	**17.89**	**0.36**	**9.65**	**13.24**	**1.19**		**8.60**
2	Loan 2									
3	Loan 3									
4	Loan 4									
A	**Sub-total**			**17.89**	**0.36**	**9.65**		**1.19**		**8.60**
	Unsecured Loans									
1	Loan 1									
2	Loan 2									
3	Loan 3									
4	Loan 4									
B	**Sub-total**			**0.00**	**0.00**	**0.00**		**0.00**		**0.00**
	Other Interest & Finance Charges									
1	Cost of raising Finance / Bank Charges									
2	Interest on Security Deposit									
3	Penal Interest Charges									
4	Lease Rentals									
C	**Sub-total**			**0.00**	**0.00**	**0.00**		**0.00**		**0.00**
D	**Grand Total Of Interest & Finance Charges (A + B + C)**			**17.89**	**0.36**	**9.65**		**1.19**		**8.60**
E	**Less: Interest & Finance Charges Capitalised**									
F	**Net Total Of Interest & Finance Charges (D - E)**			**17.89**	**0.36**	**9.65**		**1.19**		**8.60**

Tata Power, Jojobera (Unit2 and Unit 3)

Interest and Finance Charges - Unit 3 **Form No. F8**

(Rs Crores)

Sl. No.	Loan Details	Loan Tenure (yrs)	Rate of Interest	Opening Balance	Amount received	Principal repayment	Average Debt	Interest		Closing Balance
								Due	%	
	FY 2021-22									
	Secured Loans									
1	Normative Loan contributed to Original Project Cost		**9.00%**	**18.56**	**0.49**	**7.92**	**14.84**	**1.34**		**11.13**
2	Loan 2									
3	Loan 3									
4	Loan 4									
A	**Sub-total**			**18.56**	**0.49**	**7.92**		**1.34**		**11.13**
	Unsecured Loans									
1	Loan 1									
2	Loan 2									
3	Loan 3									
4	Loan 4									
B	**Sub-total**			**0.00**	**0.00**	**0.00**		**0.00**		**0.00**
	Other Interest & Finance Charges									
1	Cost of raising Finance / Bank Charges									
2	Interest on Security Deposit									
3	Penal Interest Charges									
4	Lease Rentals									
C	**Sub-total**			**0.00**	**0.00**	**0.00**		**0.00**		**0.00**
D	**Grand Total Of Interest & Finance Charges (A + B + C)**			**18.56**	**0.49**	**7.92**		**1.34**		**11.13**
E	**Less: Interest & Finance Charges Capitalised**									
F	**Net Total Of Interest & Finance Charges (D - E)**			**18.56**	**0.49**	**7.92**		**1.34**		**11.13**

Tata Power, Jojobera (Unit2 and Unit 3)

Details of Expenses Capitalised

Sl.No.	Particulars	FY 2022-23	
		Unit 2	Unit 3
1	Interest & Finance charges Capitalised		
2	Employee expenses capitalised	0.00	0.00
3	R&M expenses capitalised	0.00	0.00
4	A&G expenses capitalized	0.00	0.00
	Grand Total	**0.00**	**0.00**

Tata Power, Jojobera (Unit2 and Unit 3)

Grants towards cost of capital

Sl No	Particulars	Control Period FY 2022-23	
		Additions during the Year	Balance at the end of the Year
1	Grant Towards Cost Of Capital Assets of Unit 2		
2	Grant Towards Cost Of Capital Assets of Unit 3		
	Total	**0.00**	**0.00**

Working Capital Requirements - Unit 2		
Sl. No.	**Particulars**	**Proposed FY 2022-23**
1.1	Cost of Coal	254.73
1.2	Cost of Coal for 50 days	34.89
2.1	Cost of Secondary Oil	3.35
2.2	Cost of Secondary Fuel Oil for 2 months	0.56
3.1	Cost of Lime Stone	
3.2	Cost of Lime Stone for 45 days	0.00
4.1	O&M expenses	55.98
4.2	R&M expenses	17.77
4.3	Employee expenses	10.26
4.4	A&G expense	27.59
4.5	Capital Spares	0.37
4.6	O&M expenses for 1 month	4.67
4.7	Receivables	
4.8	Annual Revenue from Tariff and charges	369.01
4.9	Receivables equivalent to 45 days billing	45.49
5.1	Maintenance Spares (@ 20% of O & M Expenses)	11.20
5	**Total Working Capital**	**96.81**
6	Rate of Interest *	10.50%
7	**Interest on Working Capital**	**10.16**
*	The Interest rate for this purpose shall be Bank Rate as on 01.04.2021 +(3.5%)	

Tata Power, Jojobera (Unit2 and Unit 3)		
Working Capital Requirements - Unit 3		
Sl. No.	**Particulars**	**Proposed FY 2022-23**
1.1	Cost of Coal	253.30
1.2	Cost of Coal for 50 days	34.70
2.1	Cost of Secondary Oil	3.23
2.2	Cost of Secondary Fuel Oil for 2 months	0.54
3.1	Cost of Lime Stone	
3.2	Cost of Lime Stone for 45 days*	0.00
4.1	O&M expenses	54.17
4.2	R&M expenses	16.57
4.3	Employee expenses	10.26
4.4	A&G Expenses	27.34
4.5	Capital Spares	0.00
4.6	O&M expenses for 1 month	4.51
4.7	Receivables	
4.8	Annual Revenue from Tariff and charges	364.13
4.9	Receivables equivalent to 45 days billing	44.89
5.1	Maintenance Spares (@ 20% of O & M Expenses)	10.83
5	**Total Working Capital**	**95.48**
6	Rate of Interest *	10.50%
7	**Interest on Working Capital**	**10.03**
*	The Interest rate for this purpose shall be Bank Rate as on 01.04.2021 +(3.5%)	

PROJECTWISE / SCHEMEWISE CAPITAL EXPENDITURE — **Form No: F14**

GENERATION PROGRAMME FROM FY 2021-22 to FY 2025-26

Part : A GENERATION WORKS PROPOSED

S. No.	PARTICULARS	Estimated Cost (Rs Crores)	Cumulative Expenditure till March 2020	Fund Requirement (Rs Crores)	Schedule of Commissioning / COD	FY 2021-22	FY 2022-23	FY 2023-24	FY 2024-25	FY 2025-26	Funding Agency / Remarks
1	2	3	4	5	6	7	8	9	10	11	12
1	Proposed scheme for the control period FY22-26 alongwith justification is provided in the Petition and same is not being presented here for the sake of brevity.										
2											
3											
	Total	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	

Note: The Capital cost of the project which was initiated prior to the said years and on which the work is still going on, can also be included in the above schedule

Tata Power, Jojobera (Unit2 and Unit 3)

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	Detailed Financial Formats		
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7	Sheet	F2	Income from investments and other non tariff income
8	Sheet	F3	Generation Details: Fuel and Variable Cost
9	Sheet	F3a	Computation of Energy Charges
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Instructions for the Applicant

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2) These formats are indicative in nature and the utility may align the line items to its chart of accounts

3) Index

FY(n)	FY 2021-22
FY(n+1)	FY 2022-23
FY(n+2)	FY 2023-24
FY(n+3)	FY 2024-25
FY(n+4)	FY 2025-26

PY	Previous Year
CY	Current Year
CP	Control Period

Tata Power, Jojobera (Unit2 and Unit 3)			
Annual Revenue Requirement - Unit 2&3			
S. No.	**Particulars**	**Reference Form**	**Control Period FY 2022-23 Proposed**
A	**Generation**		
1	Gross Generation (MU)	F3	1788.37
2	Aux Consumption (%)	F3	8.56%
3	Net Generation (MU)	F3	1635.34
B	**Receipts**		730.99
1	Revenue from Sale of Power	F1	730.99
C	**Expenditure**		
1	Variable Costs, including Fuel Cost, LDO Cost	F3	517.43
2	O&M expenses		110.15
a	R&M Expense	F4	34.34
b	Employee Expenses	F5	20.51
c	A&G Expense	F6	54.93
d	Capital Spares	F17	0.37
3	Depreciation	F7	29.30
4	Less: Interest & other expenses capitalised	F9	
5	Return on Equity (pre-tax)	S4	58.18
6	Interest on Loans	F8	2.50
7	Interest on Working Capital	F13	20.21
8	PLF Incentive(Pre-Tax)		1.80
D	**Annual Revenue Requirement (excluding Adjustments)**		**739.58**
9	Less: Discount as per [SHAKTI 2&3]		6.62
10	Less: Gain on Operational Parameters[25%]		4.81
11	Less: Gain on O&M Expenes[50%]		5.41
12	Less: Non Tariff Income		3.77
13			
E	**Annual Revenue Requirement after Adjustments**		**718.97**
14	Actual Revenue Recovered through Billing for FY 23	Rs Crore	**692.32**
15	Revenue Gap/(Surplus)	Rs Crore	**26.65**
16	Prevailing Bank Rate as on 1st April of 2022	%	**10.50%**
17	Carrying Cost for 6 Months, i.e., upto 31.03.2023	Rs Crore	1.40
18	Prevailing Bank Rate as on 1st April 2023	%	**12.00%**
19	Carrying Cost for FY 23-24	Rs Crore	3.20
20	**Proposed Revenue Gap/(Surplus) for FY 22-23 including carrying cost upto March-2024.**	**Rs Crore**	**31.25**

S. No	Particulars	Reference Form	Control Period FY 2022-23 Proposed
1	Equity (Opening Balance)	F7	290.09
2	Net additions during the year	F7	0.32
3	Equity (Closing Balance)		290.41
4	Rate of Return on Equity **(post-tax)**		15.0%
5	Applicable Tax Rate		25.2%
6	Rate of Pre tax rate RoE (t %)		20.05%
7	Return on Opening Equity (Pre Tax)		58.15
8	Return on Additional Equity (Pre Tax)		0.03
	Return on Equity (pre-tax)		**58.18**

Tata Power, Jojobera (Unit2 and Unit 3)

Summary of Generation Cost Unit 2&3 — Form No: S5

S. No.	Year	Net Generation	Fuel Cost		O&M Cost	Depreciation	Int on Working Capital	Int on Loan	RoE (Pre-Tax)	Normative LDO Consumption**	Incentive (Pre-Tax)***	Tax on Efficiency Gain	Fixed Cost		Less: Non-tariff Income	Total Cost	
		MU	Rs Crores	p/u	Rs Crores	Rs Crores	Rs Crores	Rs Crores	Rs Crores	Rs Crores	Rs Crores	Rs Crores	Rs Crores	Paise/kWh	Rs Crores	Rs Crores	Paise/kWh
	Unit 2																
1	FY 2022-23	1635.34	517.43	316.40	110.15	29.30	20.21	2.50	58.18	0.00	1.80	1.80	220.18	134.64	3.77	737.61	451.05

Tata Power, Jojobera (Unit2 and Unit 3)

Revenue from Tariff & Revenue from Tariff & Charges

S. No	Consumer	FY 2022-23					
		Units Sold	Fixed Charges#	Energy Charges	Fuel Cost Adjustment*	Shakti Discount	**Total Charges**
		MU	Rs Cr	Rs Cr	Rs Cr	Rs Cr	**Rs Cr**
1	Unit 2&3 to Tata Steel Limited	1635.34	220.18	517.43	0.00	-6.62	**730.99**
	Total	**1635.34**	**220.18**	**517.43**	**0.00**		**730.99**

*** Fuel Price Adjustment (FPA) to be done through Monthly Billing as per Regulation**

Tata Power, Jojobera (Unit2 and Unit 3)		
Income from investments and other non-tariff income		Form No: F2
S. No	Particulars	Control Period FY 2022-23 Proposed
A	**Income from Investment, Fixed & Call Deposits**	
1	Interest Income from Investments	
2	Interest on fixed deposits	
3	Interest from Banks other than Fixed Deposits	
4	Interest on any other items	
	Sub-Total	**0.00**
	Unit 2	
B	**Other Non Tariff Income**	
1	Interest on loans and Advances to staff	**0.00**
2	Gain (Loss) on Sale of Fixed Assets	
3	Income/Fee/Collection against staff welfare activities	
4	Revenue from surcharges for late payment	
5	Other Non Tariff Income	**3.77**
	Sub-Total	**3.77**
	Total	**3.77**

Tata Power, Jojobera (Unit2 and Unit 3)

Generation Details: Fuel and Variable Cost

Form No: F3

S. No	Year	Generation Details					Normative Values					Coal Consumption							Secondary Oil Consumption		Coal Cost				Cost of Secondary Oil				Energy Sent Out(Actual Aux)	Fuel Cost		Discount due to firing of SHAKTI Coal	Other Charges	Total Variable Cost w/o Shakti Dis
		Installed Capacity	Gross Generation	Aux Consumption		Net Generation	Aux Consumption	Availability, for full FC recovery	Station Heat Rate	Aux Consumption with PLF degredation	Station Heat Rate with PLF degredation compensation	Wt. Avg GCV of Coal Consumed during FY	Wt. Avg GCV of Coal Consumed during FY - 85kCal/kg	Specific Coal Consumption	Quantity of Coal	Transit Loss					Rate (Rs/MT)	Generation	Transit Loss	Total			Rate (Rs/MT)	Generation						
		MW	MU	MU	%	MU	%	%	kCal / kWh	%	kCal / kWh	Kcal/Kg	Kcal/Kg	kg / kWh	MMT/ year	%	MMT/ year	kl/ year	ml / kWh	Wtd Avg	Rs Cr	Rs Cr	Rs Cr	Rs / kl	Rs Cr	Rs/T	Rs Cr	MU	Rs Cr	P / U	Rs Cr	Rs Cr	Rs Cr
U2	FY 2022-23	240	1788.37	153.04	8.56%	1635.34	10.00%	85%	2572.00	0.10	2572.00	3808.03	3723.03	0.6894	1.23	0.80%	0.0099	894.19	0.50	4078.03	498.76	4.02	502.78	72275	6.46	0.00	0.00	1609.53	517.43	316.40	6.62		517.43

Tata Power, Jojobera (Unit2 and Unit 3)		
Repair & Maintenance Expenditure		
S. No	Particulars	Proposed FY 2022-23 Unit 2&3
1	Plant and Machinery	34.34
2	Building	
3	Civil Works	
4	Hydraulic Works	
5	Lines, Cables Net Works etc.	
6	Vehicles	
7	Furniture and Fixtures	
8	Office Equipments	
9	O&M Expenses on Account of Additional Capitalization during the Control Period	
10	Capital Maintenance Cost	
11	Capital Spares	
	Total (1 to 11)	**34.34**
12	Any other items (Capitalisation)	
13	R&M Cost for FGD System (inclusive of Manpower Cost)	
	Total (12-13)	**34.34**

Tata Power, Jojobera (Unit2 and Unit 3)

Employee Expenses

	S.No	Particulars	Proposed FY 2022-23 Unit 2&3
A		**Employee's Cost (Other Than Covered In 'C'&'D')**	
	1	Salaries	19.71
	2	Additional Pay	
	3	Dearness Allowance (DA)	
	4	Other Allowances & Relief	
	5	Addl. Pay & C.Off Encashment	
	6	Interim Relief / Wage Revision	
	7	Honorarium/Overtime	
	8	Bonus/ Exgratia To Employees	
		Sub Total	**19.71**
B		**Other Costs**	
	9	Medical Expenses Reimbursement	
	10	Travelling Allowance(Conveyance Allowance)	
	11	Leave Travel Assistance	
	12	Earned Leave Encashment	
	13	Payment Under Workman's Compensation And Gratuity	
	14	Subsidised Electricity To Employees	
	15	Any Other Item	
	16	Staff Welfare Expenses	
		Sub Total	**0.00**
C		**Apprentice And Other Training Expenses**	
D		**Contribution To Terminal Benefits**	**0.80**
	1	Provident Fund Contribution	0.80
	2	Provision for PF Fund	
	3	Any Other Items (Other Retirals)	
D		**Grand Total**	**20.51**
E		Employee expenses capitalised	
F		**Net Employee expenses (D)-(E)**	**20.51**

* Employee Expenses have been claimed at Normative Basis after factoring the growth factor as discussed in the Petition

Sl.No	Particulars	Control Period	
		FY 2022-23	
		Working Strength At The Beginning Of The Year	Sanctioned Strength At The Beginning Of The Year
1	Management Cadre	142	150
2	Non- Mangement Cadre	42	43
	Manpower Strength Details (apportioned to Unit 2 & 3)		
3	Management Cadre for Units 2&3	80	85
4	Non- Mangement Cadre for Units 2&3	24	25
	Total	**104**	**110**

* Manpower has been apportioned to Unit 2 and Unit 3 on the basis of Installed Capacity.

Tata Power, Jojobera (Unit2 and Unit 3)

Administration & General Expenses

S.No		Particulars		Proposed FY 2022-23 Unit 2&3
	1	Lease/ Rent		
	2	Insurance		
	3	Revenue Stamp Expenses Account (HRD Training Exp & Conference Fee)		
	4	Telephone, Postage, Telegram & Telex Charges		
	5	Incentive & Award To Employees/Outsiders (Gifts)		
	6	Consultancy Charges		
	7	Technical Fees (TBEM Assesment & Application Expense)		
	8	Tata Brand Equity		
	9	Conveyance And Travelling		
	10	License and Registration Fees (Legal and other Fee)		
	11	Vehicles Running Expenses Petrol And Oil (Guest House Expense)		
	12	Hiring Of Vehicles		
	13	Security / Service Charges Paid To Outside Agencies (Cost of Services)		
		Sub-Total 'A' (1 To 12)		**0.00**
B. Other Charges	1	HO Allocation		27.32
	2	Printing And Stationery		
	3	Advertisement Expenses (Other Than Purchase Related) Exhibition &		0.40
	4	Contributions/Donations To Outside Institutes / Associations		
	5	Miscellaneous Expenses		
	6	Water Charges*		8.43
	7	Entertainment Charges		
	8	Ash Disposal Expense*		5.50
	9	**Other A&G Expenses**		13.25
		Sub-Total 'B' (1 To 9)		**54.91**
C.		**Legal Charges**		0.02
D.		**Auditor's Fee**		
E. Material Related Expenses	1	Freight On Capital Equipments		
	2	Purchase Related Advertisement Expenses		
	3	Vehicle Running Expenses Truck / Delivery Van		
	4	Vehicle Hiring Expenses Truck / Delivery Van		
	5	Other Freight		
	6	Transit Insurance		
	7	Octroi		
	8	Incidental Stores Expenses		
	9	Fabrication Charges		
		Sub Total 'E' (1 To 9)		**0.00**
G.		Sum Total 'G' (1 to 3)**		
G.		**Grand Total (A To F)**	**Total Charges**	**54.93**
		Total Charges Chargeable To	**Capital Works (-)**	
			Revenue Expenses	**54.93**

S No	Control Period				
	FY 2022-23				
	Fixed Assets				
	Opening GFA	Additional Capitalisation in FY 23	Deletion of assets FY 23	Depreciation (original project Cost)	Depreciation on Additional Capitalization FY 12-23
	966.98	**1.22**	**0.16**	**11.21**	**18.09**

Tata Power, Jojobera (Unit2 and Unit 3)

Interest and Finance Charges - Unit 2 **Form No. F8**

(Rs Crores)

Sl. No.	Loan Details	Loan Tenure (yrs)	Rate of Interest	Opening Balance	Amount received	Principal repayment	Average Debt	Interest		Closing Balance
								Due	%	
	FY 2021-22									
1	Normative Loan contributed to Additional Capitalization during FY 12-21		**9.00%**	**36.45**	**0.85**	**18.09**	**27.83**	**2.50**		**19.22**
2	Loan 2									
3	Loan 3									
4	Loan 4									
A	**Sub-total**			**36.45**	**0.85**	**18.09**		**2.50**		**19.22**
	Unsecured Loans									
1	Loan 1									
2	Loan 2									
3	Loan 3									
4	Loan 4									
B	**Sub-total**			**0.00**	**0.00**	**0.00**		**0.00**		**0.00**
	Other Interest & Finance Charges									
1	Cost of raising Finance / Bank Charges									
2	Interest on Security Deposit									
3	Penal Interest Charges									
4	Lease Rentals									
C	**Sub-total**			**0.00**	**0.00**	**0.00**		**0.00**		**0.00**
D	**Grand Total Of Interest & Finance Charges (A + B + C)**			**36.45**	**0.85**	**18.09**		**2.50**		**19.22**
E	**Less: Interest & Finance Charges Capitalised**									
F	**Net Total Of Interest & Finance Charges (D - E)**			**36.45**	**0.85**	**18.09**		**2.50**		**19.22**

Tata Power, Jojobera (Unit2 and Unit 3)

Details of Expenses Capitalised

Sl.No.	Particulars	FY 2022-23	
		Unit 2	Unit 3
1	Interest & Finance charges Capitalised		
2	Employee expenses capitalised	0.00	0.00
3	R&M expenses capitalised	0.00	0.00
4	A&G expenses capitalized	0.00	0.00
	Grand Total	**0.00**	**0.00**

Tata Power, Jojobera (Unit2 and Unit 3)

Grants towards cost of capital

Sl No	Particulars	Control Period FY 2022-23	
		Additions during the Year	Balance at the end of the Year
1	Grant Towards Cost Of Capital Assets of Unit 2		
2	Grant Towards Cost Of Capital Assets of Unit 3		
	Total	**0.00**	**0.00**

Tata Power, Jojobera (Unit2 and Unit 3)		
Working Capital Requirements - Unit 2		
Sl. No.	**Particulars**	**Proposed FY 2022-23**
1.1	Cost of Coal	508.01
1.2	Cost of Coal for 50 days	69.59
2.1	Cost of Secondary Oil	6.53
2.2	Cost of Secondary Fuel Oil for 2 months	1.09
3.1	Cost of Lime Stone	
3.2	Cost of Lime Stone for 45 days	0.00
4.1	O&M expenses	110.15
4.2	R&M expenses	34.34
4.3	Employee expenses	20.51
4.4	A&G expense	54.93
4.5	Capital Spares	0.37
4.6	O&M expenses for 1 month	9.18
4.7	Receivables	
4.8	Annual Revenue from Tariff and charges	734.89
4.9	Receivables equivalent to 45 days billing	90.60
5.1	Maintenance Spares (@ 20% of O & M Expenses)	22.03
5	**Total Working Capital**	**192.49**
6	Rate of Interest *	10.50%
7	**Interest on Working Capital**	**20.21**
*	The Interest rate for this purpose shall be Bank Rate as on 01.04.2021 +(3.5%)	

Tata Power, Jojobera (Unit2 and Unit 3)

PROJECTWISE / SCHEMEWISE CAPITAL EXPENDITURE — **Form No: F14**

GENERATION PROGRAMME FROM FY 2021-22 to FY 2025-26

Part : A GENERATION WORKS PROPOSED

S. No.	PARTICULARS	Estimated Cost (Rs Crores)	Cumulative Expenditure till March 2020	Fund Requirement (Rs Crores)	Schedule of Commissioning / COD	FY 2021-22	FY 2022-23	FY 2023-24	FY 2024-25	FY 2025-26	Funding Agency / Remarks
1	2	3	4	5	6	7	8	9	10	11	12
1	Proposed scheme for the control period FY22-26 alongwith justification is provided in the Petition and same is not being presented here for the sake of brevity.										
2											
3											
	Total	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	

Note: The Capital cost of the project which was initiated prior to the said years and on which the work is still going on, can also be included in the above schedule

ANNEXURE-P1A

APR

UNIT WISE

Tata Power, Jojobera (Unit2 and Unit 3)

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FY(n+1)	FY 2022-23
FY(n+2)	FY 2023-24
FY(n+3)	FY 2024-25
FY(n+4)	FY 2025-26

PY Previous Year
CY Current Year
CP Control Period

Tata Power, Jojobera (Unit2 and Unit 3)			
Annual Revenue Requirement - Unit 2			
S. No.	**Particulars**	**Reference Form**	**Control Period FY 2023-24 Proposed**
A	**Generation**		
1	Gross Generation (MU)	F3	888.68
2	Aux Consumption (%)	F3	9.04%
3	Net Generation (MU)	F3	808.36
B	**Receipts**		367.00
1	Revenue from Sale of Power	F1	367.00
C	**Expenditure**		
1	Variable Costs, including Fuel Cost, LDO Cost	F3	250.68
2	O&M expenses		61.53
a	R&M Expense	F4	18.57
b	Employee Expenses	F5	11.12
c	A&G Expense	F6	31.85
d	Capital Spares	F17	0.00
3	Depreciation	F7	15.11
4	Less: Interest & other expenses capitalised	F9	
5	Return on Equity (pre-tax)	S4	29.76
6	Interest on Loans	F8	0.63
7	Interest on Working Capital	F13	11.73
8			
D	**Annual Revenue Requirement (excluding Incentive)**		**369.44**
9	PLF Incentive(Pre-Tax)		0.00
10	Passing of Shakti Discount with Beneficiaries		3.87
11	Revenue Gap/Surplus of Previous Years		
E	**Annual Revenue Requirement after SHAKTI Discount**		**365.57**
		Rs Crore	
		%	
		%	
		Rs Crore	
		Rs Crore	

Tata Power, Jojobera (Unit2 and Unit 3)			
Annual Revenue Requirement - Unit 3			
S. No.	Particulars	Reference Form	Control Period FY 2023-24 Proposed
A	**Generation**		
1	Gross Generation (MU)	F3	859.35
2	Aux Consumption (%)	F3	9.13%
3	Net Generation (MU)	F3	780.89
B	**Receipts**		357.96
1	Revenue from Sale of Power	F1	357.96
C	**Expenditure**		
1	Variable Costs, including Fuel Cost, LDO Cost	F3	243.64
2	O&M expenses		59.82
a	R&M Expense	F4	17.21
b	Employee Expenses	F5	11.12
c	A&G Expense	F6	31.50
d	Capital Spares	F17	0.00
3	Depreciation	F7	14.92
4	Less: Interest & other expenses capitalised	F9	
5	Return on Equity (pre-tax)	S4	28.84
6	Interest on Loans	F8	1.00
7	Interest on Working Capital	F13	11.69
8			
D	**Annual Revenue Requirement (excluding Incentive)**		**359.91**
9	PLF Incentive(Pre-Tax)		
10	Passing of Shakti Discount with Beneficiaries		3.58
11	Revenue Gap/Surplus of Previous Years		
E	**Annual Revenue Requirement after SHAKTI Discount**		**356.32**
		Rs Crore	
		Rs Crore	
		%	**12%**
		Rs Crore	
		Rs Crore	

Tata Power, Jojobera (Unit2 and Unit 3)

Return on Equity - Unit 2

S. No	Particulars	Reference Form	Control Period FY 2023-24 Proposed
1	Equity (Opening Balance)		147.49
2	Net additions during the year	F7	1.94
3	Equity (Closing Balance)		149.43
4	Rate of Return on Equity **(post-tax)**		15.0%
	Applicable Tax Rate		25.2%
5	Applicable tax rate (t %)		20.045%
6	Return on Opening Equity (Pre Tax)		29.56
7	Return on Additional Equity (Pre Tax)		0.19
	Return on Equity (pre-tax)		**29.76**

Tata Power, Jojobera (Unit2 and Unit 3)

Return on Equity - Unit 3

S. No	Particulars	Reference Form	Control Period FY 2023-24 Proposed
1	Equity (Opening Balance)		142.92
2	Net additions during the year	F7	1.94
3	Equity (Closing Balance)		144.86
4	Rate of Return on Equity **(post-tax)**		15.0%
			25.2%
5	Applicable tax rate (t %)		20.045%
6	Return on Opening Equity (Pre Tax)		28.65
7	Return on Additional Equity (Pre Tax)		0.19
	Return on Equity (pre-tax)		**28.84**

Tata Power, Jojobera (Unit2 and Unit 3)

Summary of Generation Cost Unit 2&3 — Form No: S5

S. No.	Year	Net Generation	Fuel Cost		O&M Cost	Depreciation	Int on Working Capital	Int on Loan	RoE (Pre-Tax)	Incentive (Pre-Tax)***	Tax on Efficiency Gain	Non-tariff Income	Fixed Cost		Total Cost	
		MU	Rs Crores	p/u	Rs Crores	Rs Crores	Rs Crores	Rs Crores	Rs Crores	Rs Crores	Rs Crores	Rs Crores	Rs Crores	Paise/kWh	Rs Crores	Paise/kWh
	Unit 2															
2	FY 2023-24	808.36	250.68	310.11	59.10	15.11	11.73	0.63	29.76	0.00	0.00	0.00	116.32	143.90	367.00	454.01
	Unit 3															
2	FY 2023-24	780.89	243.64	312.00	57.88	14.92	11.69	1.00	28.84	0.00	0.00	0.00	114.32	146.40	357.96	458.40

S. No	Consumer	FY 2023-24				
		Units Sold	Fixed Charges#	Energy Charges	Fuel Cost Adjustment*	**Total Charges****
		MU	Rs Cr	Rs Cr	Rs Cr	**Rs Cr**
1	Unit 2 to Tata Steel Limited	808.36	116.32	250.68	0.00	**367.00**
2	Unit 3 to Tata Steel Limited	780.89	114.32	243.64	0.00	**357.96**
	Total	**1589.25**	**230.65**	**494.32**	**0.00**	**724.96**

*** Fuel Price Adjustment (FPA) to be done through Monthly Billing as per F**

Tata Power, Jojobera (Unit2 and Unit 3)

Generation Details: Fuel and Variable Cost

Form No: F3

S. No	Year	Generation Details					Normative Values			Coal Consumption							Coal Cost								Energy Sent Out (Normative)	Fuel Cost		Discount due to firing of SHAKTI Coal	Total Variable Cost
		Installed Capacity	Gross Generation	Aux Consumption		Net Generation	Aux Consumption	Availability, for full FC recovery	Station Heat Rate	Wt. Avg GCV of Coal Consumed during FY-85 kCal/kg	Specific Coal Consumption	Quantity of Coal	Transit Loss		Secondary Oil Consumption		Rate (Rs/MT)	Generation	Transit Loss	Total	Cost of Secondary Oil		Rate (Rs/MT)	Generation					
		MW	MU	MU	%	MU	%	%	kCal / kWh	Kcal/Kg	kg / kWh	MMT/ year	%	MMT/ year	kl/ year	ml / kWh	Wtd Avg	Rs Cr	Rs Cr	Rs Cr	Rs / kl	Rs Cr	Rs/T	Rs Cr	MU	Rs Cr	P / U	Rs Cr	Rs Cr
U2	FY 2023-24	120	888.68	80.32	9.04%	808.36	10.00%	85%	2567.00	3609.79	0.7099	0.63	0.80%	0.0050	444.34	0.50	3877.83	242.67	1.96	244.63	77855	3.46	0.00	0.00	799.81	250.68	313.42	3.87	250.68
U3	FY 2023-24	120	859.35	78.47	9.13%	780.89	10.00%	85%	2577.00	3610	0.7127	0.61	0.80%	0.00	429.68	0.50	3886.35	236.11	1.90	238.02	77980	3.35	0.00	0.00	773.42	243.64	315.01	3.58	243.64

Tata Power, Jojobera (Unit2 and Unit 3)

Repair & Maintenance Expenditure

S. No	Particulars	Proposed FY 2023-24 Unit 2	Proposed FY 2023-24 Unit 3
1	Plant and Machinery	18.57	17.21
2	Building		
3	Civil Works		
4	Hydraulic Works		
5	Lines, Cables Net Works etc.		
6	Vehicles		
7	Furniture and Fixtures		
8	Office Equipments		
9	O&M Expenses on Account of Additional Capitalization during the Control Period		
10	Capital Maintenance Cost		
11	Capital Spares		
	Total (1 to 11)	**18.57**	**17.21**
12	Any other items (Capitalisation)		
13	R&M Cost for FGD System (inclusive of Manpower Cost)		
	Total (12-13)	**18.57**	**17.21**

Tata Power, Jojobera (Unit2 and Unit 3)

Employee Expenses

	S.No	Particulars	Proposed FY 2023-24 Unit 2	Proposed FY 2023-24 Unit 3
A		**Employee's Cost (Other Than Covered In 'C'&'D')**		
	1	Salaries	10.20	10.20
	2	Additional Pay		
	3	Dearness Allowance (DA)		
	4	Other Allowances & Relief		
	5	Addl. Pay & C.Off Encashment		
	6	Interim Relief / Wage Revision		
	7	Honorarium/Overtime		
	8	Bonus/ Exgratia To Employees		
		Sub Total	10.20	10.20
B		**Other Costs**		
	9	Medical Expenses Reimbursement		
	10	Travelling Allowance(Conveyance Allowance)		
	11	Leave Travel Assistance		
	12	Earned Leave Encashment		
	13	Payment Under Workman's Compensation And Gratuity		
	14	Subsidised Electricity To Employees		
	15	Any Other Item		
	16	Staff Welfare Expenses		
		Sub Total	**0.00**	**0.00**
C		**Apprentice And Other Training Expenses**		
D		**Contribution To Terminal Benefits**	**0.92**	**0.92**
	1	Provident Fund Contribution	0.92	0.92
	2	Provision for PF Fund		
	3	Any Other Items (Other Retirals)		
D		**Grand Total**	**11.11**	**11.11**
E		Employee expenses capitalised		
F		**Net Employee expenses (D)-(E)**	**11.11**	**11.11**

* Employee Expenses have been claimed at Normative Basis.

Tata Power, Jojobera (Unit2 and Unit 3)			
Employee Strength			
Sl.No	Particulars	Control Period	
		FY 2023-24	
		Working Strength At The Beginning Of The Year	Sanctioned Strength At The Beginning Of The Year
1	Management Cadre	153	153
2	Non- Mangement Cadre	42	42
	Manpower Strength Details (apportioned to Unit 2 & 3)		
3	Management Cadre for Units 2&3	86	86
4	Non- Mangement Cadre for Units 2&3	24	24
	Total	**110**	**110**
* Manpower has been apportioned to Unit 2 and Unit 3 on the basis of Installed Capacity.			

Administration & General Expenses

S.No		Particulars		Proposed FY 2023-24 Unit 2	Proposed FY 2023-24 Unit 3
	1	Lease/ Rent			
	2	Insurance			
	3	Revenue Stamp Expenses Account (HRD Training Exp & Conference Fee)			
	4	Telephone, Postage, Telegram & Telex Charges			
	5	Incentive & Award To Employees/Outsiders (Gifts)			
	6	Consultancy Charges			
	7	Technical Fees (TBEM Assesment & Application Expense)			
	8	Tata Brand Equity			
	9	Conveyance And Travelling			
	10	License and Registration Fees (Legal and other Fee)			
	11	Vehicles Running Expenses Petrol And Oil (Guest House Expense)			
	12	Hiring Of Vehicles			
	13	Security / Service Charges Paid To Outside Agencies (Cost of Services)			
		Sub-Total 'A' (1 To 12)		**0.00**	**0.00**
B. Other Charges	1	HO Allocation		14.50	14.46
	2	Printing And Stationery			
	3	Advertisement Expenses (Other Than Purchase Related) Exhibition &		0.14	0.14
	4	Contributions/Donations To Outside Institutes / Associations			
	5	Miscellaneous Expenses			
	6	Water Charges*		3.81	4.06
	7	Entertainment Charges			
	8	Ash Disposal Expense*		4.59	4.92
	9	**Other A&G Expenses**		6.38	5.98
		Sub-Total 'B' (1 To 9)		**29.41**	**29.55**
C.		**Legal Charges**		0.01	0.01
D.		**Auditor's Fee**			
E. Material Related Expenses	1	Freight On Capital Equipments			
	2	Purchase Related Advertisement Expenses			
	3	Vehicle Running Expenses Truck / Delivery Van			
	4	Vehicle Hiring Expenses Truck / Delivery Van			
	5	Other Freight			
	6	Transit Insurance			
	7	Octroi			
	8	Incidental Stores Expenses			
	9	Fabrication Charges			
		Sub Total 'E' (1 To 9)		**0.00**	**0.00**
F.		**Direction And Supervision Charges**			
G. FGD Rela	**1**	Raw Water Expenses for FGD Plant			
	2	Gypsum Disposal Expenses			
	3	One time cost of Aux Power Consumption for testing the FGD system			
		Sum Total 'G' (1 to 3)**			
G.		**Grand Total (A To F)**	**Total Charges**	**29.42**	**29.56**
		Total Charges Chargeable To	**Capital Works (-)**		
			Revenue Expenses	**29.42**	**29.56**

S No	**Particulars**	**Control Period**					
		FY 2023-24					
		Fixed Assets					
		Opening GFA	Additional Capitalisation in FY 24	Deletion of assets FY 24	Depreciation (original project Cost)	Depreciation on Additional Capitalization FY 12-24	Closing GFA
	Total	**491.63**	**8.19**	**1.72**	**4.14**	**10.96**	**498.10**
	Note: Cumulative Depreciation for Unit 2 has already crossed 70% and Depreciation is being computed on GFA basis. Detailed computation shared with the Petition						

S No	Particulars	Tata Power, Jojobera (Unit3)					
		Depreciation					Form No. F7 U3
							(Rs Crores)
		FY 2022-23					
		Fixed Assets					
		Opening GFA	Additional Capitalisation in FY 23	Deletion of assets FY 23	Depreciation (original project Cost)	Depreciation on Additional Capitalization FY 12-23	Closing GFA
	Total	**476.40**	**8.19**	**1.72**	**5.99**	**8.92**	**482.87**

Note: Cumulative Depreciation for Unit 3 has already crossed 70% and Depreciation is being computed on GFA basis. Detailed computation shared with the Petition

Tata Power, Jojobera (Unit2 and Unit 3)

Interest and Finance Charges - Unit 2 **Form No. F8**

(Rs Crores)

Sl. No.	Loan Details	Loan Tenure (yrs)	Rate of Interest	Opening Balance	Amount received	Principal repayment	Average Debt	Interest		Closing Balance
								Due	%	
	FY 2022-23									
	Secured Loans									
1	Normative Loan contributed to Additional Capitalization		**10.50%**	**8.60**	**5.73**	**10.96**	**5.99**	**0.63**		**3.37**
2	Loan 2									
3	Loan 3									
4	Loan 4									
A	**Sub-total**			**8.60**	**5.73**	**1.10**	**5.99**	**0.63**		**3.37**
	Unsecured Loans									
1	Loan 1									
2	Loan 2									
3	Loan 3									
4	Loan 4									
B	**Sub-total**			**0.00**	**0.00**	**0.00**		**0.00**		**0.00**
	Other Interest & Finance Charges									
1	Cost of raising Finance / Bank Charges									
2	Interest on Security Deposit									
3	Penal Interest Charges									
4	Lease Rentals									
C	**Sub-total**			**0.00**	**0.00**	**0.00**		**0.00**		**0.00**
D	**Grand Total Of Interest & Finance Charges (A + B + C)**			**8.60**	**5.73**	**1.10**		**0.63**		**3.37**
E	**Less: Interest & Finance Charges Capitalised**									
F	**Net Total Of Interest & Finance Charges (D - E)**			**8.60**	**5.73**	**1.10**		**0.63**		**3.37**

Tata Power, Jojobera (Unit2 and Unit 3)

Interest and Finance Charges - Unit 3 **Form No. F8**

(Rs Crores)

Sl. No.	Loan Details	Loan Tenure (yrs)	Rate of Interest	Opening Balance	Amount received	Principal repayment	Average Debt	Interest		Closing Balance
								Due	%	
	FY 2022-23									
	Secured Loans									
1	Normative Loan contributed to Additional Capitalization		**10.50%**	**11.13**	**5.73**	**8.92**	**9.53**	**1.00**		**7.94**
2	Loan 2									
3	Loan 3									
4	Loan 4									
A	**Sub-total**			**11.13**	**5.73**	**8.92**		**1.00**		**7.94**
	Unsecured Loans									
1	Loan 1									
2	Loan 2									
3	Loan 3									
4	Loan 4									
B	**Sub-total**			**0.00**	**0.00**	**0.00**		**0.00**		**0.00**
	Other Interest & Finance Charges									
1	Cost of raising Finance / Bank Charges									
2	Interest on Security Deposit									
3	Penal Interest Charges									
4	Lease Rentals									
C	**Sub-total**			**0.00**	**0.00**	**0.00**		**0.00**		**0.00**
D	**Grand Total Of Interest & Finance Charges (A + B + C)**			**11.13**	**5.73**	**8.92**		**1.00**		**7.94**
E	**Less: Interest & Finance Charges Capitalised**									
F	**Net Total Of Interest & Finance Charges (D - E)**			**11.13**	**5.73**	**8.92**		**1.00**		**7.94**

Tata Power, Jojobera (Unit2 and Unit 3)		
Working Capital Requirements - Unit 2		
Sl. No.	**Particulars**	**Proposed FY 2023-24**
1.1	Cost of Coal	249.32
1.2	Cost of Coal for 50 days	34.06
2.1	Cost of Secondary Oil	3.53
2.2	Cost of Secondary Fuel Oil for 2 months	0.59
3.1	Cost of Lime Stone	
3.2	Cost of Lime Stone for 45 days	0.00
4.1	O&M expenses	61.53
4.2	R&M expenses	18.57
4.3	Employee expenses	11.12
4.4	A&G expense	31.85
4.5	Capital Spares	0.00
4.6	O&M expenses for 1 month	5.13
4.7	Receivables	
4.8	Annual Revenue from Tariff and charges	371.60
4.9	Receivables equivalent to 45 days billing	45.69
5.1	Maintenance Spares (@ 20% of O & M Expenses)	12.31
5	**Total Working Capital**	**97.77**
6	Rate of Interest *	12.00%
7	**Interest on Working Capital**	**11.73**
*	The Interest rate for this purpose shall be Bank Rate as on 01.04.2023 +(3.5%)	

Tata Power, Jojobera (Unit2 and Unit 3)		
Working Capital Requirements - Unit 3		
Sl. No.	**Particulars**	**Proposed FY 2023-24**
1.1	Cost of Coal	250.85
1.2	Cost of Coal for 50 days	34.27
2.1	Cost of Secondary Oil	3.53
2.2	Cost of Secondary Fuel Oil for 2 months	0.59
3.1	Cost of Lime Stone	
3.2	Cost of Lime Stone for 45 days*	0.00
4.1	O&M expenses	59.82
4.2	R&M expenses	17.21
4.3	Employee expenses	11.12
4.4	A&G Expenses	31.50
4.5	Capital Spares	0.00
4.6	O&M expenses for 1 month	4.99
4.7	Receivables	
4.8	Annual Revenue from Tariff and charges	370.65
4.9	Receivables equivalent to 45 days billing	45.57
5.1	Maintenance Spares (@ 20% of O & M Expenses)	11.96
5	**Total Working Capital**	**97.38**
6	Rate of Interest *	12.00%
7	**Interest on Working Capital**	**11.69**
*	The Interest rate for this purpose shall be Bank Rate as on 01.04.2023 +(3.5%)	

Tata Power, Jojobera (Unit2 and Unit 3)

PROJECTWISE / SCHEMEWISE CAPITAL EXPENDITURE — **Form No: F14**

GENERATION PROGRAMME FROM FY 2021-22 to FY 2025-26

Part : A GENERATION WORKS PROPOSED

S. No.	PARTICULARS	Estimated Cost (Rs Crores)	Cumulative Expenditure till March 2020	Fund Requirement (Rs Crores)	Schedule of Commissioning / COD	FY 2021-22	FY 2022-23	FY 2023-24	FY 2024-25	FY 2025-26	Funding Agency / Remarks
1	2	3	4	5	6	7	8	9	10	11	12
1	Proposed scheme for the control period FY22-26 alongwith justification is provided in the Petition and same is not being presented here for the sake of brevity.										
2											
3											
	Total	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	

Note: The Capital cost of the project which was initiated prior to the said years and on which the work is still going on, can also be included in the above schedule

ANNEXURE-P1A
APR
COMBINED(Units 2&3)

Tata Power, Jojobera (Unit2 and Unit 3)

INDEX OF FORMATS

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5	Sheet	S5	Summary of Generation Cost
	Detailed Financial Formats		
6	Sheet	F1	Revenue from Tariff and Charges
7	Sheet	F2	Income from investments and other non tariff income
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18	Sheet	F11	Investments
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20	Sheet	F12	Current Assets and Liabilities
21	Sheet	F13	Working Capital Requirements
22	Sheet	F14	Project-wise / Scheme-wise Capital Expenditure
23	Sheet	F15	Capital Works in Progress
24	Sheet	F16	Details/Information to be Submitted in respect of Fuel for Computation of energy charges
25	Sheet	F17	Capital Spares
	Tariff Formats		
25	Sheet	T1a	Existing & Proposed Tariff
26	Sheet	T1b	Revenue from Current Tariffs in Ensuing Year
27	Sheet	T1c	Revenue from Proposed Tariffs in Ensuing Year

Instructions for the Applicant

1) Electronic copy in the form of CD shall also be furnished

2) These formats are indicative in nature and the utility may align the line items to its chart of accounts

3) Index

FY(n)	FY 2021-22
FY(n+1)	FY 2022-23
FY(n+2)	FY 2023-24
FY(n+3)	FY 2024-25
FY(n+4)	FY 2025-26

PY	Previous Year
CY	Current Year
CP	Control Period

Tata Power, Jojobera (Unit2 and Unit 3)			
Annual Revenue Requirement - Unit 2			
S. No.	Particulars	Reference Form	Control Period FY 2023-24 Proposed
A	**Generation**		
1	Gross Generation (MU)	F3	1748.03
2	Aux Consumption (%)	F3	9.08%
3	Net Generation (MU)	F3	1589.25
B	**Receipts**		668.25
1	Revenue from Sale of Power	F1	668.25
C	**Expenditure**		
1	Variable Costs, including Fuel Cost, LDO Cost	F3	494.34
2	O&M expenses		121.36
a	R&M Expense	F4	35.77
b	Employee Expenses	F5	22.24
c	A&G Expense	F6	63.35
d	Capital Spares	F17	0.00
3	Depreciation	F7	31.23
4	Less: Interest & other expenses capitalised	F9	
5	Return on Equity (pre-tax)	S4	58.60
6	Interest on Loans	F8	1.55
7	Interest on Working Capital	F13	23.43
8			
D	**Annual Revenue Requirement (excluding Incentive)**		**730.51**
9	PLF Incentive(Pre-Tax)		0.00
10	Passing of Shakti Discount with Beneficiaries		7.45
11	Revenue Gap/Surplus of Previous Years		
E	**Annual Revenue Requirement after SHAKTI Discount**		**723.06**

Tata Power, Jojobera (Unit2 and Unit 3)

Return on Equity - Unit 2

S. No	Particulars	Reference Form	Control Period FY 2023-24 Proposed
1	Equity (Opening Balance)		290.41
2	Net additions during the year	F7	3.88
3	Equity (Closing Balance)		294.29
4	Rate of Return on Equity **(post-tax)**		15.0%
	Applicable Tax Rate		25.2%
5	Applicable tax rate (t %)		20.045%
6	Return on Opening Equity (Pre Tax)		58.21
7	Return on Additional Equity (Pre Tax)		0.39
	Return on Equity (pre-tax)		**58.60**

Tata Power, Jojobera (Unit2 and Unit 3)

Summary of Generation Cost Unit 2&3 — Form No: S5

S. No.	Year	Net Generation	Fuel Cost		O&M Cost	Depreciation	Int on Working Capital	Int on Loan	RoE (Pre-Tax)	Incentive (Pre-Tax)***	Tax on Efficiency Gain	Non-tariff Income	Fixed Cost		Total Cost	
		MU	Rs Crores	p/u	Rs Crores	Rs Crores	Rs Crores	Rs Crores	Rs Crores	Rs Crores	Rs Crores	Rs Crores	Rs Crores	Paise/kWh	Rs Crores	Paise/kWh
	Unit 2&3															
2	FY 2023-24	1589.25	494.34	311.05	59.10	31.23	23.43	1.55	58.60	0.00	0.00	0.00	173.91	109.43	668.25	420.48

S. No	Consumer	FY 2023-24				
		Units Sold	Fixed Charges#	Energy Charges	Fuel Cost Adjustment*	**Total Charges****
		MU	Rs Cr	Rs Cr	Rs Cr	**Rs Cr**
1	Unit 2 to Tata Steel Limited	1589.25	173.91	494.34	0.00	**668.25**
2	Unit 3 to Tata Steel Limited	780.89	118.73	243.64	0.00	**362.37**
	Total	**2370.13**	**292.64**	**737.97**	**0.00**	**1030.61**

*** Fuel Price Adjustment (FPA) to be done through Monthly Billing as per Regulation**

Tata Power, Jojobera (Unit2 and Unit 3)

Generation Details: Fuel and Variable Cost

Form No: F3

S. No	Year	Generation Details					Normative Values			Coal Consumption					Secondary Oil Consumption		Coal Cost				Cost of Secondary Oil		Energy Sent Out (Normative)	Fuel Cost		Discount due to firing of SHAKTI Coal	Total Variable Cost
		Installed Capacity	Gross Generation	Aux Consumption		Net Generation	Aux Consumption	Availability, for full FC recovery	Station Heat Rate	Wt. Avg GCV of Coal Consumed during FY-85 kCal/kg	Specific Coal Consumption	Quantity of Coal	Transit Loss				Rate (Rs/MT)	Generation	Transit Loss	Total							
		MW	MU	MU	%	MU	%	%	kCal / kWh	Kcal/Kg	kg / kWh	MMT/ year	%	MMT/ year	kl/ year	ml / kWh	Wtd Avg	Rs Cr	Rs Cr	Rs Cr	Rs / kl	Rs Cr	MU	Rs Cr	P / U	Rs Cr	Rs Cr
U2	FY 2023-24	240	1748.03	158.79	9.08%	1589.25	10.00%	85%	2572.00	3609.68	0.7113	1.24	0.80%	0.0099	874.02	0.50	3882.03	478.80	3.86	482.66	77980	6.82	1573.23	494.34	314.22	7.45	494.34
U3	FY 2023-24	120	859.35	78.47	9.13%	780.89	10.00%	85%	2577.00	3610	0.7127	0.61	0.80%	0.00	429.68	0.50	3886.35	236.11	1.90	238.02	77980	3.35	773.42	243.64	315.01	3.58	243.64

Tata Power, Jojobera (Unit2 and Unit 3)			
Repair & Maintenance Expenditure			
S. No	Particulars	Proposed FY 2023-24	Proposed FY 2023-24
		Unit 2	Unit 3
1	Plant and Machinery	18.57	17.21
2	Building		
3	Civil Works		
4	Hydraulic Works		
5	Lines, Cables Net Works etc.		
6	Vehicles		
7	Furniture and Fixtures		
8	Office Equipments		
9	O&M Expenses on Account of Additional Capitalization during the Control Period		
10	Capital Maintenance Cost		
11	Capital Spares		
	Total (1 to 11)	**18.57**	**17.21**
12	Any other items (Capitalisation)		
13	R&M Cost for FGD System (inclusive of Manpower Cost)		
	Total (12-13)	**18.57**	**17.21**

Tata Power, Jojobera (Unit2 and Unit 3)				
Employee Expenses				
	S.No	**Particulars**	**Proposed Proposed**	
			FY 2023-24	
			Unit 2	**Unit 3**
A		**Employee's Cost (Other Than Covered In 'C'&'D')**		
	1	Salaries	10.20	10.20
	2	Additional Pay		
	3	Dearness Allowance (DA)		
	4	Other Allowances & Relief		
	5	Addl. Pay & C.Off Encashment		
	6	Interim Relief / Wage Revision		
	7	Honorarium/Overtime		
	8	Bonus/ Exgratia To Employees		
		Sub Total	10.20	10.20
B		**Other Costs**		
	9	Medical Expenses Reimbursement		
	10	Travelling Allowance(Conveyance Allowance)		
	11	Leave Travel Assistance		
	12	Earned Leave Encashment		
	13	Payment Under Workman's Compensation And Gratuity		
	14	Subsidised Electricity To Employees		
	15	Any Other Item		
	16	Staff Welfare Expenses		
		Sub Total	**0.00**	**0.00**
C		**Apprentice And Other Training Expenses**		
D		**Contribution To Terminal Benefits**	**0.92**	**0.92**
	1	Provident Fund Contribution	0.92	0.92
	2	Provision for PF Fund		
	3	Any Other Items (Other Retirals)		
D		**Grand Total**	**11.11**	**11.11**
E		Employee expenses capitalised		
F		**Net Employee expenses (D)-(E)**	**11.11**	**11.11**
* Employee Expenses have been claimed at Normative Basis.				

Tata Power, Jojobera (Unit2 and Unit 3)			
Employee Strength			
Sl.No	Particulars	Control Period	
		FY 2023-24	
		Working Strength At The Beginning Of The Year	Sanctioned Strength At The Beginning Of The Year
1	Management Cadre	153	153
2	Non- Mangement Cadre	42	42
	Manpower Strength Details (apportioned to Unit 2 & 3)		
3	Management Cadre for Units 2&3	86	86
4	Non- Mangement Cadre for Units 2&3	24	24
	Total	**110**	**110**
* Manpower has been apportioned to Unit 2 and Unit 3 on the basis of Installed Capacity.			

Tata Power, Jojobera (Unit2 and Unit 3)

Administration & General Expenses

S.No		Particulars		Proposed FY 2023-24 Unit 2	Proposed FY 2023-24 Unit 3
	1	Lease/ Rent			
	2	Insurance			
	3	Revenue Stamp Expenses Account (HRD Training Exp & Conference Fee)			
	4	Telephone, Postage, Telegram & Telex Charges			
	5	Incentive & Award To Employees/Outsiders (Gifts)			
	6	Consultancy Charges			
	7	Technical Fees (TBEM Assesment & Application Expense)			
	8	Tata Brand Equity			
	9	Conveyance And Travelling			
	10	License and Registration Fees (Legal and other Fee)			
	11	Vehicles Running Expenses Petrol And Oil (Guest House Expense)			
	12	Hiring Of Vehicles			
	13	Security / Service Charges Paid To Outside Agencies (Cost of Services)			
		Sub-Total 'A' (1 To 12)		**0.00**	**0.00**
B. Other Charges	1	HO Allocation		14.50	14.46
	2	Printing And Stationery			
	3	Advertisement Expenses (Other Than Purchase Related) Exhibition &		0.14	0.14
	4	Contributions/Donations To Outside Institutes / Associations			
	5	Miscellaneous Expenses			
	6	Water Charges*		3.81	4.06
	7	Entertainment Charges			
	8	Ash Disposal Expense*		4.59	4.92
	9	**Other A&G Expenses**		6.38	5.98
		Sub-Total 'B' (1 To 9)		**29.41**	**29.55**
C.		**Legal Charges**		0.01	0.01
D.		**Auditor's Fee**			
E. Material Related Expenses	1	Freight On Capital Equipments			
	2	Purchase Related Advertisement Expenses			
	3	Vehicle Running Expenses Truck / Delivery Van			
	4	Vehicle Hiring Expenses Truck / Delivery Van			
	5	Other Freight			
	6	Transit Insurance			
	7	Octroi			
	8	Incidental Stores Expenses			
	9	Fabrication Charges			
		Sub Total 'E' (1 To 9)		**0.00**	**0.00**
F.		**Direction And Supervision Charges**			
G. FGD Rela	**1**	Raw Water Expenses for FGD Plant			
	2	Gypsum Disposal Expenses			
	3	One time cost of Aux Power Consumption for testing the FGD system			
		Sum Total 'G' (1 to 3)**			
G.		**Grand Total (A To F)**	**Total Charges**	**29.42**	**29.56**
		Total Charges Chargeable To	**Capital Works (-)**		
			Revenue Expenses	**29.42**	**29.56**

S No	**Particulars**	**Control Period**					
		FY 2023-24					
		Fixed Assets					
		Opening GFA	Additional Capitalisation in FY 24	Deletion of assets FY 24	Depreciation (original project Cost)	Depreciation on Additional Capitalization FY 12-24	Closing GFA
	Total	**968.03**	**16.38**	**3.45**	**10.76**	**20.47**	**980.97**

Note: Cumulative Depreciation for Unit 2&3 has already crossed 70% and Depreciation is being computed on GFA basis. Detailed computation shared with the Petition

Tata Power, Jojobera (Unit2 and Unit 3)

Interest and Finance Charges - Unit 2 **Form No. F8**

(Rs Crores)

Sl. No.	Loan Details	Loan Tenure (yrs)	Rate of Interest	Opening Balance	Amount received	Principal repayment	Average Debt	Interest		Closing Balance
								Due	%	
	FY 2023-24									
	Secured Loans									
1	Normative Loan contributed to Additional Capitalization		**10.50%**	**19.22**	**11.47**	**20.47**	**14.71**	**1.55**		**10.21**
2	Loan 2									
3	Loan 3									
4	Loan 4									
A	**Sub-total**			**19.22**	**11.47**	**1.10**	**14.71**	**1.55**		**10.21**
	Unsecured Loans									
1	Loan 1									
2	Loan 2									
3	Loan 3									
4	Loan 4									
B	**Sub-total**			**0.00**	**0.00**	**0.00**		**0.00**		**0.00**
	Other Interest & Finance Charges									
1	Cost of raising Finance / Bank Charges									
2	Interest on Security Deposit									
3	Penal Interest Charges									
4	Lease Rentals									
C	**Sub-total**			**0.00**	**0.00**	**0.00**		**0.00**		**0.00**
D	**Grand Total Of Interest & Finance Charges (A + B + C)**			**19.22**	**11.47**	**1.10**		**1.55**		**10.21**
E	**Less: Interest & Finance Charges Capitalised**									
F	**Net Total Of Interest & Finance Charges (D - E)**			**19.22**	**11.47**	**1.10**		**1.55**		**10.21**

Tata Power, Jojobera (Unit2 and Unit 3)		
Working Capital Requirements - Unit 2&3		
Sl. No.	**Particulars**	**Proposed FY 2023-24**
1.1	Cost of Coal	500.17
1.2	Cost of Coal for 50 days	68.33
2.1	Cost of Secondary Oil	7.06
2.2	Cost of Secondary Fuel Oil for 2 months	1.18
3.1	Cost of Lime Stone	
3.2	Cost of Lime Stone for 45 days	0.00
4.1	O&M expenses	121.36
4.2	R&M expenses	35.77
4.3	Employee expenses	22.24
4.4	A&G expense	63.35
4.5	Capital Spares	0.00
4.6	O&M expenses for 1 month	10.11
4.7	Receivables	
4.8	Annual Revenue from Tariff and charges	743.40
4.9	Receivables equivalent to 45 days billing	91.40
5.1	Maintenance Spares (@ 20% of O & M Expenses)	24.27
5	**Total Working Capital**	**195.29**
6	Rate of Interest *	12.00%
7	**Interest on Working Capital**	**23.43**
*	The Interest rate for this purpose shall be Bank Rate as on 01.04.2023 +(3.5%)	

Tata Power, Jojobera (Unit2 and Unit 3)

PROJECTWISE / SCHEMEWISE CAPITAL EXPENDITURE — **Form No: F14**

GENERATION PROGRAMME FROM FY 2021-22 to FY 2025-26

Part : A GENERATION WORKS PROPOSED

S. No.	PARTICULARS	Estimated Cost (Rs Crores)	Cumulative Expenditure till March 2020	Fund Requirement (Rs Crores)	Schedule of Commissioning / COD	FY 2021-22	FY 2022-23	FY 2023-24	FY 2024-25	FY 2025-26	Funding Agency / Remarks
1	2	3	4	5	6	7	8	9	10	11	12
1	Proposed scheme for the control period FY22-26 alongwith justification is provided in the Petition and same is not being presented here for the sake of brevity.										
2											
3											
	Total	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	

Note: The Capital cost of the project which was initiated prior to the said years and on which the work is still going on, can also be included in the above schedule

ANNEXURE P2

Annexure P2a: Operational Parameters

2022-23 Actual

Unit 2	**UoM**	**Apr-22**	**May-22**	**Jun-22**	**Jul-22**	**Aug-22**	**Sep-22**	**Oct-22**	**Nov-22**	**Dec-22**	**Jan-23**	**Feb-23**	**Mar-23**	**Total**
Generation	MUs	79.94	74.09	79.49	75.64	72.05	67.85	75.35	76.42	63.55	77.25	64.18	75.42	**881.23**
Availability	%	99.67%	99.85%	99.66%	99.71%	99.91%	99.93%	99.91%	99.76%	99.99%	95.12%	94.68%	99.31%	**98.99%**
PLF	**%**	92.53%	82.99%	92.01%	84.72%	80.70%	78.53%	84.40%	88.45%	71.18%	86.52%	79.59%	84.48%	**83.83%**
Auxilliary Consumption	MUs	6.66	6.52	6.75	6.50	6.20	5.96	6.49	6.19	5.33	6.27	5.54	6.52	**74.94**
Auxilliary Consumption	%	8.34%	8.79%	8.49%	8.59%	8.60%	8.79%	8.62%	8.10%	8.39%	8.11%	8.64%	8.64%	**8.50%**
Heat Rate	Kcal/kWh	**2527.64**	**2543**	**2527**	**2536**	**2538**	**2541**	**2535**	**2531**	**2549**	**2530**	**2542**	**2537**	**2536.09**
Unit 3	**UoM**	**Apr-22**	**May-22**	**Jun-22**	**Jul-22**	**Aug-22**	**Sep-22**	**Oct-22**	**Nov-22**	**Dec-22**	**Jan-23**	**Feb-23**	**Mar-23**	**Total**
Generation	MUs	76.58	80.87	76.19	81.12	81.07	77.39	70.11	49.53	66.65	84.38	75.48	87.77	**907.14**
Availability	%	99.35%	99.83%	99.88%	99.50%	99.85%	99.80%	99.96%	75.67%	98.91%	95.84%	99.86%	99.81%	**97.37%**
PLF	%	88.63%	90.57%	88.18%	90.86%	90.81%	89.57%	78.53%	57.33%	74.66%	94.51%	93.61%	98.31%	**86.30%**
Auxilliary Consumption	MUs	6.71	7.04	6.66	7.05	7.03	6.77	6.43	4.52	5.57	6.88	6.21	7.22	**78.10**
Auxilliary Consumption	%	8.76%	8.70%	8.74%	8.70%	8.67%	8.75%	9.18%	9.12%	8.36%	8.15%	8.23%	8.23%	**8.61%**
Heat Rate	Kcal/kWh	**2534.72**	**2536**	**2532**	**2532**	**2529**	**2535**	**2541**	**2557**	**2546**	**2528**	**2527**	**2520**	**2533.70**
Annexure P2a: Operational Parameters Combined for Unit 2&3														
Unit-2&3 Combined	**UoM**	**Apr-22**	**May-22**	**Jun-22**	**Jul-22**	**Aug-22**	**Sep-22**	**Oct-22**	**Nov-22**	**Dec-22**	**Jan-23**	**Feb-23**	**Mar-23**	**Total**
Generation	MUs	156.52	154.96	155.69	156.75	153.12	145.24	145.46	125.95	130.20	161.62	139.67	163.19	**1788.37**
Availability	%	99.51%	99.84%	99.77%	99.60%	99.88%	99.87%	99.93%	87.71%	99.45%	95.48%	97.27%	99.56%	**98.18%**
PLF	**%**	90.58%	86.78%	90.10%	87.79%	85.76%	84.05%	81.46%	72.89%	72.92%	90.52%	86.60%	91.39%	**85.06%**
Auxilliary Consumption	MUs	13.38	13.55	13.41	13.55	13.23	12.74	12.93	10.71	10.90	13.15	11.76	13.74	**153.04**
Auxilliary Consumption	%	8.55%	8.75%	8.61%	8.64%	8.64%	8.77%	8.89%	8.50%	8.37%	8.13%	8.42%	8.42%	**8.56%**
Heat Rate	Kcal/kWh	2531.10	2539.17	2529.45	2533.53	2533.60	2537.70	2538.21	2541.55	2547.41	2529.02	2533.71	2528.24	**2534.88**

Month-wise & Source-wise Coal Consumption & Calorific Value as per Billing for FY 2022-23															
Unit 2	UoM	Apr-22	May-22	Jun-22	Jul-22	Aug-22	Sep-22	Oct-22	Nov-22	Dec-22	Jan-23	Feb-23	Mar-23	**Total**	Mix
Middling Coal Consumption	Ton	0	3888	6723	6194	12158	1496	3545	5125	0	5938	11236	17698	74001	12.65%
Middling GCV	Kcal/Kg	0	4202	4032	4271	4123	4231	4069	3895	0	4065	4054	4124	4100	
Middling Landed Price	Rs/MT	0	4863	5040	5372	5487	5552	5560	5557	0	4507	4781	5795	5301	
CCL Shakti R3 Coal Consumption	Ton	6682	1125	7794	13516	0	5178	0	0	18224	14560	4856	15044	86979	14.87%
CCL Shakti R3 GCV	Kcal/Kg	4027	4026	3590	3664	0	3585	0	0	3865	3703	3685	3773	3754	
CCL Shakti R3 Landed Price	Rs/MT	3324	4315	4018	3647	0	3234	0	0	3290	3233	3233	4103	3551	
CCL Shakti WIV Coal Consumption	Ton		2623	22028	18850	20487	26293	14609	18265	13577	11802	4748	13063	166345	28.44%
CCL Shakti WIV GCV	Kcal/Kg		3765	3927	3855	3888	3985	4127	4146	4163	3999	4034	4081	4002	
CCL Shakti WIV Landed Price	Rs/MT		4340	4306	4214	4347	4502	4618	4681	4778	4875	4936	4991	4551	
CCL Shakti Coal Consumption	Ton	17921	0	107	0	0	12717	8124	17005	0	0	75	0	55948	9.57%
CCL Shakti Coal GCV	Kcal/Kg	3967	0	4121	0	0	3194	3584	3904	0	0	3323	0	3716	
CCL Shakti Coal Landed Price	Rs/MT	3028	3028	3028	0	0	3685	3494	3414	0	0	4327	0	3364	
MCL Shakti Coal Consumption	Ton	128	13448	4653	8491	6487	642	9169	581	9769	10812	6895	2313	73389	12.55%
MCL Shakti Coal GCV	Kcal/Kg	3384	3081	3038	3221	3214	3290	3126	3373	3466	3244	3205	3184	3207	
MCL Shakti Coal Landed Price	Rs/MT	2641	2633	2678	2654	2650	2683	2670	2656	2703	2708	2707	2660	2673	
ECL Shakti Coal Consumption	Ton	17354	1448	200	838	1836	0	11452	5986	0	7187	11895		58196	9.95%
ECL Shakti GCV	Kcal/Kg	5012	5023	4890	4959	4959	0	5111	4913	0	4834	4857		4965	
ECL Shakti Landed Price	Rs/MT	5648	5524	5515	5439	5422	5452	5420	5429	0	5505	5393		5497	
CCL SFA Consumption	Ton	5026	36571	15240	4062	8475	0							69373	11.86%
CCL SFA GCV	Kcal/Kg	3314	2977	2867	2852	2734	0							2940	
CCL SFA Landed Price	Rs/MT	3402	3441	3333	3312	3477	0							3411	
WB Reject Coal Consumption	Ton									86	26		78	190	0.03%
WB Reject Coal GCV	Kcal/Kg									1905	1905		1905	1905	
WB Reject Coal Landed Price	Rs/MT									4519	4519	0	4519	4519	
WB 2P/Tailing Coal Consumption	Ton									224	76		144	444	0.08%
WB 2P/Tailing Coal GCV	Kcal/Kg									4205	4205		4205	4205	
WB 2P/Tailing Coal Landed Price	Rs/MT									9220	9220	0	9220	9220	
Total Consumption	Ton	47111	59103	56745	51951	49443	46326	46899	46962	41880	50401	39705	48341	584867	100.00%
Wt. Avg GCV	Kcal/Kg	4289	3186	3539	3691	3699	3721	4073	4119	3867	3878	4098	3955	3820	
Wt. Avg Price	Rs/MT	4074	3458	3960	3899	4295	4145	4309	4388	3670	3989	4433	4909	4111	
Wt. Avg Price of Coal	Rs/MkCal	950	1085	1119	1056	1161	1114	1058	1065	949	1029	1082	1241	1076	

Unit 3	UoM	Apr-22	May-22	Jun-22	Jul-22	Aug-22	Sep-22	Oct-22	Nov-22	Dec-22	Jan-23	Feb-23	Mar-23	Total	Mix
Middling Coal Consumption	Ton	0	4023	1338	7335	18812	2994	6743	2116	0	20127	24934	20008	108430	17.93%
Middling GCV	Kcal/Kg	0	4202	4032	4271	4131	4260	3986	3897	0	4083	4051	4130	4105	
Middling Landed Price	Rs/MT	0	4863	5040	5372	5487	5552	5560	5557	0	4507	4781	5795	5171	
CCL Shakti R3 Coal Consumption*	Ton	10132	2800	6794	13740	0	2330	188	259	15926	13354	6351	13922	85796	14.18%
CCL Shakti R3 GCV*	Kcal/Kg	4027	4026	3590	3667	0	3585	3585	4127	3876	3701	3685	3766	3776	
CCL Shakti R3 Landed Price*	Rs/MT	3324	4315	4018	3647	0	3234	3234	3382	3290	3233	3233	4103	3560	
CCL Shakti WIV Coal Consumption	Ton		10792	25513	14897	12234	18883	21719	14030	13870	11729	8053	19920	171641	28.38%
CCL Shakti WIV GCV	Kcal/Kg		3765	3917	3864	3933	3979	4145	4150	4171	3994	4028	4089	4010	
CCL Shakti WIV Landed Price	Rs/MT		4340	4306	4214	4347	4502	4618	4681	4778	4875	4936	4991	4581	
CCL Shakti Coal Consumption	Ton	28822	0	0	0	0	14944	9233	12106	0				65105	10.76%
CCL Shakti Coal GCV	Kcal/Kg	3969	0	0	0	0	3194	3583	3902	0				3724	
CCL Shakti Coal Landed Price	Rs/MT	3028	0	0	0	0	3685	3494	3414	0				3317	
MCL Shakti Coal Consumption	Ton	4814	14992	4765	5276	16072	6354	3071	623	14091	10648	10562	1404	92672	15.32%
MCL Shakti Coal GCV	Kcal/Kg	3187	3085	3040	3221	3283	3362	3141	3366	3454	3228	3206	3334	3243	
MCL Shakti Coal Landed Price	Rs/MT	2641	2633	2678	2654	2650	2683	2670	2656	2703	2708	2707	2660	2673	
ECL Shakti Coal Consumption	Ton	0	4960	3420	3228	3882	6113	3424	1856	310				27194	4.50%
ECL Shakti GCV	Kcal/Kg	0	4925	4890	4959	4959	4993	5096	4948	4687				4965	
ECL Shakti Landed Price	Rs/MT	0	5524	5515	5439	5422	5452	5420	5429	5469				5462	
CCL SFA Consumption	Ton	7032	21563	11129	11520	2637	0	135	0	0				54015	8.93%
CCL SFA GCV	Kcal/Kg	3314	3040	2869	2852	2734	0	2969	0	0				2985	
CCL SFA Landed Price	Rs/MT	3402	3441	3333	3312	3477	0	3477	0	0				3388	
WB Reject Coal Consumption	Ton														
WB Reject Coal GCV	Kcal/Kg														
WB Reject Coal Landed Price	Rs/MT														
WB 2P/Tailing Coal Consumption	Ton														
WB 2P/Tailing Coal GCV	Kcal/Kg														
WB 2P/Tailing Coal Landed Price	Rs/MT														
Total Consumption	Ton	50800	59131	52959	55996	53637	51618	44513	30990	44197	55858	49900	55254	604854	100%
Wt. Avg GCV	Kcal/Kg	3816	3468	3642	3663	3823	3794	4003	4068	3840	3810	3822	4004	3797	
Wt. Avg Price	Rs/MT	3102	3713	4015	3965	4273	4158	4446	4239	3585	3937	4170	4999	4046	
Wt. Avg Price of Coal	Rs/MkCal	813	1071	1102	1082	1118	1096	1111	1042	934	1033	1091	1249	1066	

Combined Unit-2 and 3															
Unit 2+3	UoM	Apr-22	May-22	Jun-22	Jul-22	Aug-22	Sep-22	Oct-22	Nov-22	Dec-22	Jan-23	Feb-23	Mar-23	**Total**	
Middling Coal Consumption	Ton	0	7911	8061	13529	30970	4490	10288	7241	0	26065	36170	37706	182431	15.33%
Middling GCV	Kcal/Kg	0	4202	4032	4271	4128	4251	4015	3895		4079	4052	4128	4103	
Middling Landed Price	Rs/MT	0	4863	5040	5372	5487	5552	5560	5557	0	4507	4781	5795	5224	
CCL Shakti R3 Coal Consumption	Ton	16814	3925	14588	27256	0	7508	188	259	34150	27914	11207	28966	172775	14.52%
CCL Shakti R3 GCV	Kcal/Kg	4027	4026	3590	3665	0	3585	3585	4127	3870	3702	3685	3770	3765	
CCL Shakti R3 Landed Price	Rs/MT	3324	4315	4018	3647	0	3234	3234	3382	3290	3233	3233	4103	3555	
CCL Shakti WIV Coal Consumption	Ton	0	13415	47541	33747	32721	45176	36328	32295	27447	23531	12801	32984	337986	28.41%
CCL Shakti WIV GCV	Kcal/Kg	0	3765	3922	3859	3905	3982	4138	4148	4167	3997	4030	4086	4006	
CCL Shakti WIV Landed Price	Rs/MT	0	4340	4306	4214	4347	4502	4618	4681	4778	4875	4936	4991	4566	
CCL Shakti Coal Consumption	Ton	46743	0	107	0	0	27660	17357	29111	0	0	75	0	121054	10.17%
CCL Shakti Coal GCV	Kcal/Kg	3968	0	4121	0	0	3194	3584	3903	0	0	3323	0	3720	
CCL Shakti Coal Landed Price	Rs/MT	3028	3028	3028	0	0	3685	3494	3414	0	0	4327	0	3339	
MCL Shakti Coal Consumption	Ton	4942	28440	9418	13767	22559	6996	12240	1204	23861	21460	17457	3717	166061	13.96%
MCL Shakti Coal GCV	Kcal/Kg	3192	3083	3039	3221	3263	3355	3130	3369	3459	3236	3206	3241	3227	
MCL Shakti Coal Landed Price	Rs/MT	2641	2633	2678	2654	2650	2683	2670	2656	2703	2708	2707	2660	2673	
ECL Shakti Coal Consumption	Ton	17354	6408	3620	4066	5718	6113	14876	7842	310	7187	11895	0	85390	7.18%
ECL Shakti GCV	Kcal/Kg	5012	4947	4890	4959	4959	4993	5107	4921	4687	4834	4857	0	4965	
ECL Shakti Landed Price	Rs/MT	5648	5524	5515	5439	5422	5452	5420	5429	5469	5505	5393	0	5486	
CCL SFA Consumption	Ton	12058	58134	26368	15582	11112	0	135	0	0	0	0	0	123389	10.37%
CCL SFA GCV	Kcal/Kg	3314	3000	2868	2852	2734	0	2969	0	0	0	0	0	2960	
CCL SFA Landed Price	Rs/MT	3402	3441	3333	3312	3477	0	3477	0	0	0	0	0	3401	
WB Reject Coal Consumption	Ton	0	0	0	0	0	0	0	0	86	26	0	78	190	0.02%
WB Reject Coal GCV	Kcal/Kg	0	0	0	0	0	0	0	0	1905	1905	0	1905	1905	
WB Reject Coal Landed Price	Rs/MT	0	0	0	0	0	0	0	0	4519	4519	0	4519	4519	
WB 2P/Tailing Coal Consumption	Ton	0	0	0	0	0	0	0	0	224	76	0	144	444	0.04%
WB 2P/Tailing Coal GCV	Kcal/Kg	0	0	0	0	0	0	0	0	4205	4205	0	4205	4205	
WB 2P/Tailing Coal Landed Price	Rs/MT	0	0	0	0	0	0	0	0	9220	9220	0	9220	9220	
Total Consumption	Ton	97911	118234	109704	107947	103080	97945	91412	77952	86077	106259	89605	103595	**1189721**	100.00%
Wt. Avg GCV	**Kcal/Kg**	**4044**	**3327**	**3589**	**3676**	**3764**	**3760**	**4039**	**4099**	**3853**	**3842**	**3944**	**3981**	**3808.03**	
Wt. Avg Price	**Rs/MT**	**3570**	**3586**	**3987**	**3933**	**4284**	**4152**	**4376**	**4329**	**3626**	**3961**	**4286**	**4957**	**4078.03**	
Wt. Avg Price of Coal	**Rs/MkCal**	**883**	**1078**	**1111**	**1070**	**1138**	**1104**	**1083**	**1056**	**941**	**1031**	**1087**	**1245**	**1071**	

Annexure P2c: Unit-wise & Month-wise Consumption and Landed Price of LDO

FY 2022-23

Unit 2	UoM	Apr-22	May-22	Jun-22	Jul-22	Aug-22	Sep-22	Oct-22	Nov-22	Dec-22	Jan-23	Feb-23	Mar-23	Total
LDO Consumption	KL	0.00	6.32	7.00	4.47	0.92	2.60	1.00	0.00	2.00	2.00	40.00	15.24	**81.55**
Generation	MU	79.94	74.09	79.49	75.64	72.05	67.85	75.35	76.42	63.55	77.25	64.18	75.42	**881.23**
LDO Landed Price	Rs/KL	60505.00	65875.00	65875.00	68857.00	71764.00	73186.00	74317.00	74317.00	74858.00	74858.00	76507.00	76471.00	**74076.89**
Calorific Value	Kcal/L	10112.00	10135.00	10530.00	10135.00	10242.00	10725.00	10112.00	10120.00	10242.00	10725.00	10835.00	10915.00	**10694.80**
Unit 3	**UoM**	**Apr-22**	**May-22**	**Jun-22**	**Jul-22**	**Aug-22**	**Sep-22**	**Oct-22**	**Nov-22**	**Dec-22**	**Jan-23**	**Feb-23**	**Mar-23**	**Total**
LDO Consumption	KL	26.00	4.00	1.00	23.00	0.00	26.50	0.00	60.00	2.00	44.00	0.00	1.00	**187.50**
Generation	MU	76.58	80.87	76.19	81.12	81.07	77.39	70.11	49.53	66.65	84.38	75.48	87.77	**907.14**
LDO Landed Price	Rs/KL	60505.00	65875.00	65875.00	68857.00	71764.00	73186.00	74317.00	74317.00	74858.00	74858.00	76507.00	76471.00	**71491.22**
Calorific Value	Kcal/L	10112	10135	10530	10135	10242	10725	10112	10120	10242	10725	10835	10915	**10356.26**

Unit-2&3 combined

Unit 2	UoM	Apr-22	May-22	Jun-22	Jul-22	Aug-22	Sep-22	Oct-22	Nov-22	Dec-22	Jan-23	Feb-23	Mar-23	Total
LDO Consumption	KL	26.00	10.32	8.00	27.47	0.92	29.10	1.00	60.00	4.00	46.00	40.00	16.24	**269.05**
Generation	MU	156.52	154.96	155.69	156.75	153.12	145.24	145.46	125.95	130.20	161.62	139.67	163.19	**1788.37**
LDO Landed Price	Rs/KL	60505.00	65875.00	65875.00	68857.00	71764.00	73186.00	74317.00	74317.00	74858.00	74858.00	76507.00	76471.00	**72274.96**
Calorific Value	Kcal/L	10112.00	10135.00	10530.00	10135.00	10242.00	10725.00	10112.00	10120.00	10242.00	10725.00	10835.00	10915.00	**10458.87**

Annexure P2d Unit-wise & Month-wise Raw Water Consumption

FY 2022-23

Unit 2	UoM	Apr-22	May-22	Jun-22	Jul-22	Aug-22	Sep-22	Oct-22	Nov-22	Dec-22	Jan-23	Feb-23	Mar-23	Total
Raw Water Consumption	m3	193652.58	155936.89	180575.06	164756.24	162924.85	154790.55	167979.50	167694.39	148575.02	174429.54	164023.87	157668.86	**1993007**
Generation	MU	79.94	74.09	79.49	75.64	72.05	67.85	75.35	76.42	63.55	77.25	64.18	75.42	**881**
Sp. Raw Water Consumption	m3/MWH	2.42	2.10	2.27	2.18	2.26	2.28	2.23	2.19	2.34	2.26	2.56	2.09	**2.26**
Unit 3	**UoM**	**Apr-22**	**May-22**	**Jun-22**	**Jul-22**	**Aug-22**	**Sep-22**	**Oct-22**	**Nov-22**	**Dec-22**	**Jan-23**	**Feb-23**	**Mar-23**	**Total**
Raw Water Consumption	m3	185501.67	170188.59	173073.49	176700.92	183324.32	176559.39	156298.14	108687.20	155838.89	190522.62	192909.99	183492.45	**2053098**
Generation	MU	76.58	80.87	76.19	81.12	81.07	77.39	70.11	49.53	66.65	84.38	75.48	87.77	**907**
Sp. Raw Water Consumption	m3/MWH	2.42	2.10	2.27	2.18	2.26	2.28	2.23	2.19	2.34	2.26	2.56	2.09	**2.26**

Combined for Unit 2&3	UoM	Apr-22	May-22	Jun-22	Jul-22	Aug-22	Sep-22	Oct-22	Nov-22	Dec-22	Jan-23	Feb-23	Mar-23	Total
Raw Water Consumption	m3	379154.25	326125.48	353648.54	341457.16	346249.17	331349.93	324277.64	276381.58	304413.91	364952.15	356933.86	341161.31	**4046105**
Generation	MU	156.52	154.96	155.69	156.75	153.12	145.24	145.46	125.95	130.20	161.62	139.67	163.19	**1788**
Sp. Raw Water Consumption	m3/MWH	2.42	2.10	2.27	2.18	2.26	2.28	2.23	2.19	2.34	2.26	2.56	2.09	**2.26**

Monthly Plant Availability Factor (PAFM)

Doc No: Tata Power/TSL/LDC/Unit 2/2022-23/01

Monthly Plant Availability Factor (PAFM) - Unit 2, Jojobera Power Plant

Unit		2	Month	Apr-22	
Sl. No.	Day	Total Declared Capacity - during the Day (DCi) (MW)	Installed Capacity (IC) (MW)	Normative Aux. Power Consumption (%)	Availability (%)
1	1-Apr-22	109.200	120.00	9.00%	100.00%
2	2-Apr-22	108.836	120.00	9.00%	99.67%
3	3-Apr-22	108.627	120.00	9.00%	99.48%
4	4-Apr-22	108.468	120.00	9.00%	99.33%
5	5-Apr-22	108.778	120.00	9.00%	99.61%
6	6-Apr-22	108.862	120.00	9.00%	99.69%
7	7-Apr-22	108.813	120.00	9.00%	99.65%
8	8-Apr-22	108.998	120.00	9.00%	99.81%
9	9-Apr-22	108.834	120.00	9.00%	99.66%
10	10-Apr-22	108.715	120.00	9.00%	99.56%
11	11-Apr-22	108.671	120.00	9.00%	99.52%
12	12-Apr-22	108.796	120.00	9.00%	99.63%
13	13-Apr-22	108.620	120.00	9.00%	99.47%
14	14-Apr-22	108.904	120.00	9.00%	99.73%
15	15-Apr-22	109.084	120.00	9.00%	99.89%
16	16-Apr-22	108.949	120.00	9.00%	99.77%
17	17-Apr-22	108.932	120.00	9.00%	99.76%
18	18-Apr-22	109.087	120.00	9.00%	99.90%
19	19-Apr-22	108.358	120.00	9.00%	99.23%
20	20-Apr-22	109.061	120.00	9.00%	99.87%
21	21-Apr-22	109.169	120.00	9.00%	99.97%
22	22-Apr-22	109.200	120.00	9.00%	100.00%
23	23-Apr-22	109.200	120.00	9.00%	100.00%
24	24-Apr-22	109.200	120.00	9.00%	100.00%
25	25-Apr-22	109.050	120.00	9.00%	99.86%
26	26-Apr-22	108.406	120.00	9.00%	99.27%
27	27-Apr-22	108.840	120.00	9.00%	99.67%
28	28-Apr-22	108.735	120.00	9.00%	99.57%
29	29-Apr-22	108.233	120.00	9.00%	99.11%
30	30-Apr-22	108.551	120.00	9.00%	99.41%
Apr-22		108.839	120.00	9.00%	99.67%

Monthly Availability of Unit 2 during April 2022	99.67%
YTD April 2022 Availability of Unit 2	99.67%

Representative
Tata Power, Jojobera

Representative
LDC, Tata Steel

Reference: Regulation 17.4 of JSERC Generation Tariff Regulations 2020

17.4 The Plant Availability Factor achieved for the month (PAFM) shall be computed in accordance with the following formula:

$$PAFM = 100 \times \sum_{i=1}^{N} DC_i / \{N \times IC \times (1 - Aux)\}\%$$

Where,

Aux: Normative Auxiliary Energy Consumption (%);

DC_i: Average Declared Capacity (in ex-bus MW), for the i^{th} time block in such period;

IC: Installed Capacity (in MW) of the generating station;

N: Number of time blocks in the given period.

Reference: Regulation 13.18-13.19 of JSERC Grid Code Regulations 2008

13.18 In case of any grid disturbance, scheduled generation of all the generating stations and scheduled drawal of all the Users / Distribution Licensees shall be deemed to have been revised to be equal to their actual generation/drawal for all the time blocks affected by the Grid Disturbance. Certification of Grid Disturbance and its duration shall be done by SLDC.

13.19 Revision of declared capability by generator(s) and requisition by Users / Distribution Licensees for the remaining period of the day will also be permitted with advance notice. Revised schedules/declared capability in such cases shall become effective from the 6th time block, counting the time block in which the request for revision has been received in SLDC to be the first one.

Monthly Plant Availability Factor (PAFM)

Doc No: Tata Power/TSL/LDC/Unit 2/2022-23/02

Monthly Plant Availability Factor (PAFM) - Unit 2, Jojobera Power Plant

Unit		2	Month	May-22	
Sl. No.	Day	Total Declared Capacity during the Day (DCi) (MW)	Installed Capacity (IC) (MW)	Normative Aux. Power Consumption (%)	Availability (%)
1	1-May-22	108.919	120.00	9.00%	99.74%
2	2-May-22	109.200	120.00	9.00%	100.00%
3	3-May-22	109.200	120.00	9.00%	100.00%
4	4-May-22	108.942	120.00	9.00%	99.76%
5	5-May-22	108.939	120.00	9.00%	99.76%
6	6-May-22	109.157	120.00	9.00%	99.96%
7	7-May-22	108.341	120.00	9.00%	99.21%
8	8-May-22	108.974	120.00	9.00%	99.79%
9	9-May-22	109.200	120.00	9.00%	100.00%
10	10-May-22	109.200	120.00	9.00%	100.00%
11	11-May-22	109.176	120.00	9.00%	99.98%
12	12-May-22	108.996	120.00	9.00%	99.81%
13	13-May-22	109.075	120.00	9.00%	99.89%
14	14-May-22	109.200	120.00	9.00%	100.00%
15	15-May-22	109.118	120.00	9.00%	99.93%
16	16-May-22	109.200	120.00	9.00%	100.00%
17	17-May-22	109.093	120.00	9.00%	99.90%
18	18-May-22	108.904	120.00	9.00%	99.73%
19	19-May-22	109.187	120.00	9.00%	99.99%
20	20-May-22	109.134	120.00	9.00%	99.94%
21	21-May-22	109.200	120.00	9.00%	100.00%
22	22-May-22	108.933	120.00	9.00%	99.76%
23	23-May-22	109.138	120.00	9.00%	99.94%
24	24-May-22	109.200	120.00	9.00%	100.00%
25	25-May-22	108.727	120.00	9.00%	99.57%
26	26-May-22	108.261	120.00	9.00%	99.14%
27	27-May-22	109.118	120.00	9.00%	99.93%
28	28-May-22	108.974	120.00	9.00%	99.79%
29	29-May-22	109.137	120.00	9.00%	99.94%
30	30-May-22	109.137	120.00	9.00%	99.94%
31	31-May-22	109.200	120.00	9.00%	100.00%
May-22		109.038	120.00	9.00%	99.85%

YTD Availability of Unit 2 till April 2022	99.67%
Monthly Availability of Unit 2 during May 2022	99.85%
YTD May 2022 Availability of Unit 2	99.76%

Representative
Tata Power, Jojobera

Representative
LDC, Tata Steel

Reference: Regulation 17.4 of JSERC Generation Tariff Regulations 2020

17.4 The Plant Availability Factor achieved for the month (PAFM) shall be computed in accordance with the following formula:

$$PAFM = 100 \times \sum_{i=1}^{N} DC_i / [N \times IC \times (1 - Aux)]\%$$

Where,

Aux: Normative Auxiliary Energy Consumption (%);

DC_i: Average Declared Capacity (in ex-bus MW), for the i^{th} time block in such period;

IC: Installed Capacity (in MW) of the generating station;

N: Number of time blocks in the given period.

Reference: Regulation 13.18-13.19 of JSERC Grid Code Regulations 2008

13.18 In case of any grid disturbance, scheduled generation of all the generating stations and scheduled drawal of all the Users / Distribution Licensees shall be deemed to have been revised to be equal to their actual generation/drawal for all the time blocks affected by the Grid Disturbance. Certification of Grid Disturbance and its duration shall be done by SLDC.

13.19 Revision of declared capability by generator(s) and requisition by Users / Distribution Licensees for the remaining period of the day will also be permitted with advance notice. Revised schedules/declared capability in such cases shall become effective from the 6th time block, counting the time block in which the request for revision has been received in SLDC to be the first one.

OK

Monthly Plant Availability Factor (PAFM)

Doc No: Tata Power/TSL/LDC/Unit 2/2022-23/03

Monthly Plant Availability Factor (PAFM) - Unit 2, Jojobera Power Plant

Unit		2	Month	Jun-22	
Sl. No.	Day	Total Declared Capacity during the Day (DCi) (MW)	Installed Capacity (IC) (MW)	Normative Aux. Power Consumption (%)	Availability (%)
1	1-Jun-22	108.844	120.00	9.00%	99.67%
2	2-Jun-22	108.788	120.00	9.00%	99.62%
3	3-Jun-22	108.581	120.00	9.00%	99.43%
4	4-Jun-22	108.518	120.00	9.00%	99.38%
5	5-Jun-22	108.853	120.00	9.00%	99.68%
6	6-Jun-22	108.702	120.00	9.00%	99.54%
7	7-Jun-22	108.594	120.00	9.00%	99.44%
8	8-Jun-22	109.080	120.00	9.00%	99.89%
9	9-Jun-22	108.949	120.00	9.00%	99.77%
10	10-Jun-22	108.951	120.00	9.00%	99.77%
11	11-Jun-22	108.511	120.00	9.00%	99.37%
12	12-Jun-22	109.200	120.00	9.00%	100.00%
13	13-Jun-22	109.038	120.00	9.00%	99.85%
14	14-Jun-22	109.129	120.00	9.00%	99.93%
15	15-Jun-22	108.808	120.00	9.00%	99.64%
16	16-Jun-22	108.585	120.00	9.00%	99.44%
17	17-Jun-22	108.256	120.00	9.00%	99.14%
18	18-Jun-22	108.415	120.00	9.00%	99.28%
19	19-Jun-22	108.831	120.00	9.00%	99.66%
20	20-Jun-22	108.679	120.00	9.00%	99.52%
21	21-Jun-22	108.753	120.00	9.00%	99.59%
22	22-Jun-22	108.965	120.00	9.00%	99.79%
23	23-Jun-22	108.689	120.00	9.00%	99.53%
24	24-Jun-22	109.200	120.00	9.00%	100.00%
25	25-Jun-22	108.951	120.00	9.00%	99.77%
26	26-Jun-22	108.866	120.00	9.00%	99.69%
27	27-Jun-22	109.016	120.00	9.00%	99.83%
28	28-Jun-22	109.200	120.00	9.00%	100.00%
29	29-Jun-22	109.153	120.00	9.00%	99.96%
30	30-Jun-22	108.892	120.00	9.00%	99.72%
Jun-22		**108.8332**	**120.00**	**9.00%**	**99.66%**

YTD Availability of Unit 2 till May 2022	99.76%
Monthly Availability of Unit 2 during June 2022	99.66%
YTD June 2022 Availability of Unit 2	99.73%

Representative
Tata Power, Jojobera

Representative
LDC, Tata Steel

Reference: Regulation 17.4 of JSERC Generation Tariff Regulations 2020

17.4 The Plant Availability Factor achieved for the month (PAFM) shall be computed in accordance with the following formula:

$$PAFM = 100 \times \sum_{i=1}^{N} DC_i / \{N \times IC \times (1 - Aux)\}\%$$

Where,

Aux: Normative Auxiliary Energy Consumption (%);

DC_i: Average Declared Capacity (in ex-bus MW), for the i^{th} time block in such period;

IC: Installed Capacity (in MW) of the generating station;

N: Number of time blocks in the given period.

Reference: Regulation 13.18-13.19 of JSERC Grid Code Regulations 2008

13.18 In case of any grid disturbance, scheduled generation of all the generating stations and scheduled drawal of all the Users / Distribution Licensees shall be deemed to have been revised to be equal to their actual generation/drawal for all the time blocks affected by the Grid Disturbance. Certification of Grid Disturbance and its duration shall be done by SLDC.

13.19 Revision of declared capability by generator(s) and requisition by Users / Distribution Licensees for the remaining period of the day will also be permitted with advance notice. Revised schedules/declared capability in such cases shall become effective from the 6th time block, counting the time block in which the request for revision has been received in SLDC to be the first one.

OK

Monthly Plant Availability Factor (PAFM)

Doc No: Tata Power/TSL/LDC/Unit 2/2022-23/04

Monthly Plant Availability Factor (PAFM) - Unit 2, Jojobera Power Plant

Unit		2	Month	Jul-22	
Sl. No.	Day	Total Declared Capacity during the Day (DCi) (MW)	Installed Capacity (IC) (MW)	Normative Aux. Power Consumption (%)	Availability (%)
1	1-Jul-22	109.151	120.00	9.00%	99.96%
2	2-Jul-22	108.745	120.00	9.00%	99.58%
3	3-Jul-22	109.200	120.00	9.00%	100.00%
4	4-Jul-22	109.200	120.00	9.00%	100.00%
5	5-Jul-22	109.200	120.00	9.00%	100.00%
6	6-Jul-22	109.117	120.00	9.00%	99.92%
7	7-Jul-22	108.989	120.00	9.00%	99.81%
8	8-Jul-22	108.772	120.00	9.00%	99.61%
9	9-Jul-22	108.614	120.00	9.00%	99.46%
10	10-Jul-22	109.015	120.00	9.00%	99.83%
11	11-Jul-22	108.783	120.00	9.00%	99.62%
12	12-Jul-22	108.904	120.00	9.00%	99.73%
13	13-Jul-22	109.200	120.00	9.00%	100.00%
14	14-Jul-22	109.200	120.00	9.00%	100.00%
15	15-Jul-22	109.200	120.00	9.00%	100.00%
16	16-Jul-22	108.942	120.00	9.00%	99.76%
17	17-Jul-22	109.000	120.00	9.00%	99.82%
18	18-Jul-22	108.875	120.00	9.00%	99.70%
19	19-Jul-22	108.571	120.00	9.00%	99.42%
20	20-Jul-22	108.499	120.00	9.00%	99.36%
21	21-Jul-22	109.061	120.00	9.00%	99.87%
22	22-Jul-22	109.200	120.00	9.00%	100.00%
23	23-Jul-22	108.929	120.00	9.00%	99.75%
24	24-Jul-22	109.200	120.00	9.00%	100.00%
25	25-Jul-22	109.200	120.00	9.00%	100.00%
26	26-Jul-22	109.200	120.00	9.00%	100.00%
27	27-Jul-22	105.198	120.00	9.00%	96.34%
28	28-Jul-22	108.994	120.00	9.00%	99.81%
29	29-Jul-22	109.026	120.00	9.00%	99.84%
30	30-Jul-22	109.073	120.00	9.00%	99.88%
31	31-Jul-22	109.200	120.00	9.00%	100.00%
Jul-22		108.886	120.00	9.00%	99.71%

YTD Availability of Unit 2 till June 2022	99.73%
Monthly Availability of Unit 2 during July 2022	99.71%
YTD July 2022 Availability of Unit 2	99.73%

Representative
Tata Power, Jojobera

Representative
LDC, Tata Steel

Reference: Regulation 17.4 of JSERC Generation Tariff Regulations 2020

17.4 The Plant Availability Factor achieved for the month (PAFM) shall be computed in accordance with the following formula:

$$PAFM = 100 \times \sum_{i=1}^{N} DC_i / [N \times IC \times (1 - Aux)]\%$$

Where,

Aux: Normative Auxiliary Energy Consumption (%);

DC_i: Average Declared Capacity (in ex-bus MW), for the i^{th} time block in such period;

IC: Installed Capacity (in MW) of the generating station;

N: Number of time blocks in the given period.

Reference: Regulation 13.18-13.19 of JSERC Grid Code Regulations 2008

13.18 In case of any grid disturbance, scheduled generation of all the generating stations and scheduled drawal of all the Users / Distribution Licensees shall be deemed to have been revised to be equal to their actual generation/drawal for all the time blocks affected by the Grid Disturbance. Certification of Grid Disturbance and its duration shall be done by SLDC.

13.19 Revision of declared capability by generator(s) and requisition by Users / Distribution Licensees for the remaining period of the day will also be permitted with advance notice. Revised schedules/declared capability in such cases shall become effective from the 6th time block, counting the time block in which the request for revision has been received in SLDC to be the first one.

Monthly Plant Availability Factor (PAFM)

Doc No: Tata Power/TSL/LDC/Unit 2/2022-23/05

Monthly Plant Availability Factor (PAFM) - Unit 2, Jojobera Power Plant

Unit		2	Month	Aug-22	
Sl. No.	Day	Total Declared Capacity during the Day (DCi) (MW)	Installed Capacity (IC) (MW)	Normative Aux. Power Consumption (%)	Availability (%)
1	1-Aug-22	109.120	120.00	9.00%	99.93%
2	2-Aug-22	109.123	120.00	9.00%	99.93%
3	3-Aug-22	108.745	120.00	9.00%	99.58%
4	4-Aug-22	109.200	120.00	9.00%	100.00%
5	5-Aug-22	109.200	120.00	9.00%	100.00%
6	6-Aug-22	109.200	120.00	9.00%	100.00%
7	7-Aug-22	109.200	120.00	9.00%	100.00%
8	8-Aug-22	109.165	120.00	9.00%	99.97%
9	9-Aug-22	109.200	120.00	9.00%	100.00%
10	10-Aug-22	109.200	120.00	9.00%	100.00%
11	11-Aug-22	108.984	120.00	9.00%	99.80%
12	12-Aug-22	109.103	120.00	9.00%	99.91%
13	13-Aug-22	109.138	120.00	9.00%	99.94%
14	14-Aug-22	109.200	120.00	9.00%	100.00%
15	15-Aug-22	109.200	120.00	9.00%	100.00%
16	16-Aug-22	108.929	120.00	9.00%	99.75%
17	17-Aug-22	108.732	120.00	9.00%	99.57%
18	18-Aug-22	108.661	120.00	9.00%	99.51%
19	19-Aug-22	109.120	120.00	9.00%	99.93%
20	20-Aug-22	109.051	120.00	9.00%	99.86%
21	21-Aug-22	109.154	120.00	9.00%	99.96%
22	22-Aug-22	108.935	120.00	9.00%	99.76%
23	23-Aug-22	108.949	120.00	9.00%	99.77%
24	24-Aug-22	109.200	120.00	9.00%	100.00%
25	25-Aug-22	109.200	120.00	9.00%	100.00%
26	26-Aug-22	109.200	120.00	9.00%	100.00%
27	27-Aug-22	109.200	120.00	9.00%	100.00%
28	28-Aug-22	109.200	120.00	9.00%	100.00%
29	29-Aug-22	109.172	120.00	9.00%	99.97%
30	30-Aug-22	109.200	120.00	9.00%	100.00%
31	31-Aug-22	109.200	120.00	9.00%	100.00%
Aug-22		109.099	120.00	9.00%	99.91%

YTD Availability of Unit 2 till July 2022	99.73%
Monthly Availability of Unit 2 during August 2022	99.91%
YTD August 2022 Availability of Unit 2	99.76%

Representative
Tata Power, Jojobera

Representative
LDC, Tata Steel

Reference: Regulation 17.4 of JSERC Generation Tariff Regulations 2020

17.4 The Plant Availability Factor achieved for the month (PAFM) shall be computed in accordance with the following formula:

$$PAFM = 100 \times \frac{\sum_{i=1}^{N} DC_i}{(N \times IC \times (1 - Aux))}\%$$

Where,

Aux: Normative Auxiliary Energy Consumption (%);

DC_i: Average Declared Capacity (in ex-bus MW), for the i^{th} time block in such period;

IC: Installed Capacity (in MW) of the generating station;

N: Number of time blocks in the given period.

Reference: Regulation 13.18-13.19 of JSERC Grid Code Regulations 2008

13.18 In case of any grid disturbance, scheduled generation of all the generating stations and scheduled drawal of all the Users / Distribution Licensees shall be deemed to have been revised to be equal to their actual generation/drawal for all the time blocks affected by the Grid Disturbance. Certification of Grid Disturbance and its duration shall be done by SLDC.

13.19 Revision of declared capability by generator(s) and requisition by Users / Distribution Licensees for the remaining period of the day will also be permitted with advance notice. Revised schedules/declared capability in such cases shall become effective from the 6th time block, counting the time block in which the request for revision has been received in SLDC to be the first one.

OK

Monthly Plant Availability Factor (PAFM)

Doc No: Tata Power/TSL/LDC/Unit 2/2022-23/06

Monthly Plant Availability Factor (PAFM) - Unit 2, Jojobera Power Plant

Unit		2	Month	Sep-22	
Sl. No.	Day	Total Declared Capacity during the Day (DCi) (MW)	Installed Capacity (IC) (MW)	Normative Aux. Power Consumption (%)	Availability (%)
1	1-Sep-22	108.936	120.00	9.00%	99.76%
2	2-Sep-22	109.200	120.00	9.00%	100.00%
3	3-Sep-22	109.200	120.00	9.00%	100.00%
4	4-Sep-22	109.200	120.00	9.00%	100.00%
5	5-Sep-22	108.758	120.00	9.00%	99.60%
6	6-Sep-22	109.035	120.00	9.00%	99.85%
7	7-Sep-22	109.122	120.00	9.00%	99.93%
8	8-Sep-22	108.927	120.00	9.00%	99.75%
9	9-Sep-22	109.182	120.00	9.00%	99.98%
10	10-Sep-22	109.154	120.00	9.00%	99.96%
11	11-Sep-22	109.200	120.00	9.00%	100.00%
12	12-Sep-22	109.200	120.00	9.00%	100.00%
13	13-Sep-22	109.123	120.00	9.00%	99.93%
14	14-Sep-22	109.200	120.00	9.00%	100.00%
15	15-Sep-22	109.132	120.00	9.00%	99.94%
16	16-Sep-22	109.062	120.00	9.00%	99.87%
17	17-Sep-22	109.200	120.00	9.00%	100.00%
18	18-Sep-22	109.200	120.00	9.00%	100.00%
19	19-Sep-22	109.200	120.00	9.00%	100.00%
20	20-Sep-22	109.200	120.00	9.00%	100.00%
21	21-Sep-22	109.200	120.00	9.00%	100.00%
22	22-Sep-22	109.200	120.00	9.00%	100.00%
23	23-Sep-22	109.200	120.00	9.00%	100.00%
24	24-Sep-22	109.200	120.00	9.00%	100.00%
25	25-Sep-22	109.200	120.00	9.00%	100.00%
26	26-Sep-22	109.200	120.00	9.00%	100.00%
27	27-Sep-22	109.200	120.00	9.00%	100.00%
28	28-Sep-22	109.096	120.00	9.00%	99.91%
29	29-Sep-22	108.867	120.00	9.00%	99.69%
30	30-Sep-22	108.967	120.00	9.00%	99.79%
Sep-22		109.125	120.00	9.00%	99.93%

YTD Availability of Unit 2 till August 2022	99.76%
Monthly Availability of Unit 2 during September 2022	99.93%
YTD September 2022 Availability of Unit 2	99.79%

Representative
Tata Power, Jojobera

Representative
LDC, Tata Steel

Reference: Regulation 17.4 of JSERC Generation Tariff Regulations 2020

17.4 The Plant Availability Factor achieved for the month (PAFM) shall be computed in accordance with the following formula:

$$PAFM = 100 \times \sum_{i=1}^{N} DC_i / [N \times IC \times (1 - Aux)]\%$$

Where,

Aux: Normative Auxiliary Energy Consumption (%);

DC_i: Average Declared Capacity (in ex-bus MW), for the i^{th} time block in such period;

IC: Installed Capacity (in MW) of the generating station;

N: Number of time blocks in the given period.

Reference: Regulation 13.18-13.19 of JSERC Grid Code Regulations 2008

13.18 In case of any grid disturbance, scheduled generation of all the generating stations and scheduled drawal of all the Users / Distribution Licensees shall be deemed to have been revised to be equal to their actual generation/drawal for all the time blocks affected by the Grid Disturbance. Certification of Grid Disturbance and its duration shall be done by SLDC.

13.19 Revision of declared capability by generator(s) and requisition by Users / Distribution Licensees for the remaining period of the day will also be permitted with advance notice. Revised schedules/declared capability in such cases shall become effective from the 6th time block, counting the time block in which the request for revision has been received in SLDC to be the first one.

OK

Monthly Plant Availability Factor (PAFM)

Doc No: Tata Power/TSL/LDC/Unit 2/2022-23/07

Monthly Plant Availability Factor (PAFM) - Unit 2, Jojobera Power Plant

Unit	2	Month	Oct-22		
Sl. No.	Day	Total Declared Capacity during the Day (DCi) (MW)	Installed Capacity (IC) (MW)	Normative Aux. Power Consumption (%)	Availability (%)
1	1-Oct-22	109.041	120.00	9.00%	99.85%
2	2-Oct-22	109.200	120.00	9.00%	100.00%
3	3-Oct-22	109.200	120.00	9.00%	100.00%
4	4-Oct-22	109.200	120.00	9.00%	100.00%
5	5-Oct-22	109.200	120.00	9.00%	100.00%
6	6-Oct-22	108.814	120.00	9.00%	99.65%
7	7-Oct-22	109.200	120.00	9.00%	100.00%
8	8-Oct-22	108.920	120.00	9.00%	99.74%
9	9-Oct-22	108.908	120.00	9.00%	99.73%
10	10-Oct-22	108.655	120.00	9.00%	99.50%
11	11-Oct-22	108.821	120.00	9.00%	99.65%
12	12-Oct-22	109.148	120.00	9.00%	99.95%
13	13-Oct-22	109.104	120.00	9.00%	99.91%
14	14-Oct-22	109.180	120.00	9.00%	99.98%
15	15-Oct-22	109.200	120.00	9.00%	100.00%
16	16-Oct-22	109.200	120.00	9.00%	100.00%
17	17-Oct-22	109.200	120.00	9.00%	100.00%
18	18-Oct-22	109.200	120.00	9.00%	100.00%
19	19-Oct-22	109.200	120.00	9.00%	100.00%
20	20-Oct-22	109.200	120.00	9.00%	100.00%
21	21-Oct-22	109.200	120.00	9.00%	100.00%
22	22-Oct-22	109.200	120.00	9.00%	100.00%
23	23-Oct-22	109.200	120.00	9.00%	100.00%
24	24-Oct-22	109.200	120.00	9.00%	100.00%
25	25-Oct-22	109.200	120.00	9.00%	100.00%
26	26-Oct-22	108.868	120.00	9.00%	99.70%
27	27-Oct-22	109.152	120.00	9.00%	99.96%
28	28-Oct-22	109.150	120.00	9.00%	99.95%
29	29-Oct-22	108.769	120.00	9.00%	99.61%
30	30-Oct-22	109.200	120.00	9.00%	100.00%
31	31-Oct-22	109.200	120.00	9.00%	100.00%
Oct-22		**109.101**	**120.00**	**9.00%**	**99.91%**

YTD Availability of Unit 2 till September 2022	99.79%
Monthly Availability of Unit 2 during October 2022	99.91%
YTD October 2022 Availability of Unit 2	99.81%

Representative
Tata Power, Jojobera

Representative
LDC, Tata Steel

Reference: Regulation 17.4 of JSERC Generation Tariff Regulations 2020

17.4 The Plant Availability Factor achieved for the month (PAFM) shall be computed in accordance with the following formula:

$$PAFM = 100 \times \sum_{i=1}^{N} DC_i / (N \times IC \times (1 - Aux)) \%$$

Where,

Aux: Normative Auxiliary Energy Consumption (%);

DC_i: Average Declared Capacity (in ex-bus MW), for the i^{th} time block in such period;

IC: Installed Capacity (in MW) of the generating station;

N: Number of time blocks in the given period.

Reference: Regulation 13.18-13.19 of JSERC Grid Code Regulations 2008

13.18 In case of any grid disturbance, scheduled generation of all the generating stations and scheduled drawal of all the Users / Distribution Licensees shall be deemed to have been revised to be equal to their actual generation/drawal for all the time blocks affected by the Grid Disturbance. Certification of Grid Disturbance and its duration shall be done by SLDC.

13.19 Revision of declared capability by generator(s) and requisition by Users / Distribution Licensees for the remaining period of the day will also be permitted with advance notice. Revised schedules/declared capability in such cases shall become effective from the 6th time block, counting the time block in which the request for revision has been received in SLDC to be the first one.

OK

Monthly Plant Availability Factor (PAFM)

Doc No: Tata Power/TSL/LDC/Unit 2/2022-23/08

Monthly Plant Availability Factor (PAFM) - Unit 2, Jojobera Power Plant

Unit	2	Month	Nov-22		
Sl. No.	Day	Total Declared Capacity during the Day (DCi) (MW)	Installed Capacity (IC) (MW)	Normative Aux. Power Consumption (%)	Availability (%)
1	1-Nov-22	109.200	120.00	9.00%	100.00%
2	2-Nov-22	108.944	120.00	9.00%	99.77%
3	3-Nov-22	109.051	120.00	9.00%	99.86%
4	4-Nov-22	109.200	120.00	9.00%	100.00%
5	5-Nov-22	109.200	120.00	9.00%	100.00%
6	6-Nov-22	109.200	120.00	9.00%	100.00%
7	7-Nov-22	109.200	120.00	9.00%	100.00%
8	8-Nov-22	109.200	120.00	9.00%	100.00%
9	9-Nov-22	108.902	120.00	9.00%	99.73%
10	10-Nov-22	108.687	120.00	9.00%	99.53%
11	11-Nov-22	108.618	120.00	9.00%	99.47%
12	12-Nov-22	108.628	120.00	9.00%	99.48%
13	13-Nov-22	108.659	120.00	9.00%	99.50%
14	14-Nov-22	108.650	120.00	9.00%	99.50%
15	15-Nov-22	108.495	120.00	9.00%	99.35%
16	16-Nov-22	108.732	120.00	9.00%	99.57%
17	17-Nov-22	109.054	120.00	9.00%	99.87%
18	18-Nov-22	109.080	120.00	9.00%	99.89%
19	19-Nov-22	108.978	120.00	9.00%	99.80%
20	20-Nov-22	109.192	120.00	9.00%	99.99%
21	21-Nov-22	109.200	120.00	9.00%	100.00%
22	22-Nov-22	108.816	120.00	9.00%	99.65%
23	23-Nov-22	109.095	120.00	9.00%	99.90%
24	24-Nov-22	108.965	120.00	9.00%	99.78%
25	25-Nov-22	109.043	120.00	9.00%	99.86%
26	26-Nov-22	109.043	120.00	9.00%	99.86%
27	27-Nov-22	108.770	120.00	9.00%	99.61%
28	28-Nov-22	108.531	120.00	9.00%	99.39%
29	29-Nov-22	108.912	120.00	9.00%	99.74%
30	30-Nov-22	108.878	120.00	9.00%	99.71%
Nov-22		108.938	120.00	9.00%	99.76%

YTD Availability of Unit 2 till October 2022	99.81%
Monthly Availability of Unit 2 during November 2022	99.76%
YTD November 2022 Availability of Unit 2	99.80%

Representative
Tata Power, Jojobera

Representative
LDC, Tata Steel

Reference: Regulation 17.4 of JSERC Generation Tariff Regulations 2020

17.4 The Plant Availability Factor achieved for the month (PAFM) shall be computed in accordance with the following formula:

$$PAFM = 100 \times \sum_{i=1}^{N} DC_i / [N \times IC \times (1 - Aux)]\%$$

Where,

Aux: Normative Auxiliary Energy Consumption (%);

DC_i: Average Declared Capacity (in ex-bus MW), for the i^{th} time block in such period;

IC: Installed Capacity (in MW) of the generating station;

N: Number of time blocks in the given period.

Reference: Regulation 13.18-13.19 of JSERC Grid Code Regulations 2008

13.18 In case of any grid disturbance, scheduled generation of all the generating stations and scheduled drawal of all the Users / Distribution Licensees shall be deemed to have been revised to be equal to their actual generation/drawal for all the time blocks affected by the Grid Disturbance. Certification of Grid Disturbance and its duration shall be done by SLDC.

13.19 Revision of declared capability by generator(s) and requisition by Users / Distribution Licensees for the remaining period of the day will also be permitted with advance notice. Revised schedules/declared capability in such cases shall become effective from the 6th time block, counting the time block in which the request for revision has been received in SLDC to be the first one.

OK

Monthly Plant Availability Factor (PAFM)

Doc No: Tata Power/TSL/LDC/Unit 2/2022-23/09

Monthly Plant Availability Factor (PAFM) - Unit 2, Jojobera Power Plant

Unit	2	Month	Dec-22		
Sl. No.	Day	Total Declared Capacity during the Day (DCi) (MW)	Installed Capacity (IC) (MW)	Normative Aux. Power Consumption (%)	Availability (%)
1	1-Dec-22	109.200	120.00	9.00%	100.00%
2	2-Dec-22	109.200	120.00	9.00%	100.00%
3	3-Dec-22	109.200	120.00	9.00%	100.00%
4	4-Dec-22	109.200	120.00	9.00%	100.00%
5	5-Dec-22	109.200	120.00	9.00%	100.00%
6	6-Dec-22	109.200	120.00	9.00%	100.00%
7	7-Dec-22	109.200	120.00	9.00%	100.00%
8	8-Dec-22	109.200	120.00	9.00%	100.00%
9	9-Dec-22	109.200	120.00	9.00%	100.00%
10	10-Dec-22	109.200	120.00	9.00%	100.00%
11	11-Dec-22	109.200	120.00	9.00%	100.00%
12	12-Dec-22	109.200	120.00	9.00%	100.00%
13	13-Dec-22	109.200	120.00	9.00%	100.00%
14	14-Dec-22	109.200	120.00	9.00%	100.00%
15	15-Dec-22	109.200	120.00	9.00%	100.00%
16	16-Dec-22	109.200	120.00	9.00%	100.00%
17	17-Dec-22	109.200	120.00	9.00%	100.00%
18	18-Dec-22	109.200	120.00	9.00%	100.00%
19	19-Dec-22	109.200	120.00	9.00%	100.00%
20	20-Dec-22	109.200	120.00	9.00%	100.00%
21	21-Dec-22	109.200	120.00	9.00%	100.00%
22	22-Dec-22	109.200	120.00	9.00%	100.00%
23	23-Dec-22	109.200	120.00	9.00%	100.00%
24	24-Dec-22	109.181	120.00	9.00%	99.98%
25	25-Dec-22	109.200	120.00	9.00%	100.00%
26	26-Dec-22	109.200	120.00	9.00%	100.00%
27	27-Dec-22	109.066	120.00	9.00%	99.88%
28	28-Dec-22	109.200	120.00	9.00%	100.00%
29	29-Dec-22	109.200	120.00	9.00%	100.00%
30	30-Dec-22	109.200	120.00	9.00%	100.00%
31	31-Dec-22	108.961	120.00	9.00%	99.78%
Dec-22		109.187	120.00	9.00%	99.99%

YTD Availability of Unit 2 till November 2022	99.80%
Monthly Availability of Unit 2 during December 2022	99.99%
YTD December 2022 Availability of Unit 2	99.82%

Representative
Tata Power, Jojobera

Representative
LDC, Tata Steel

Reference: Regulation 17.4 of JSERC Generation Tariff Regulations 2020

17.4 The Plant Availability Factor achieved for the month (PAFM) shall be computed in accordance with the following formula:

$$PAFM = 100 \times \sum_{i=1}^{N} DC_i / [N \times IC \times (1 - Aux)]\%$$

Where,

Aux: Normative Auxiliary Energy Consumption (%);

DC_i: Average Declared Capacity (in ex-bus MW), for the i^{th} time block in such period;

IC: Installed Capacity (in MW) of the generating station;

N: Number of time blocks in the given period.

Reference: Regulation 13.18-13.19 of JSERC Grid Code Regulations 2008

13.18 In case of any grid disturbance, scheduled generation of all the generating stations and scheduled drawal of all the Users / Distribution Licensees shall be deemed to have been revised to be equal to their actual generation/drawal for all the time blocks affected by the Grid Disturbance. Certification of Grid Disturbance and its duration shall be done by SLDC.

13.19 Revision of declared capability by generator(s) and requisition by Users / Distribution Licensees for the remaining period of the day will also be permitted with advance notice. Revised schedules/declared capability in such cases shall become effective from the 6th time block, counting the time block in which the request for revision has been received in SLDC to be the first one.

OK

Monthly Plant Availability Factor (PAFM)

Doc No: Tata Power/TSL/LDC/Unit 2/2022-23/10

Monthly Plant Availability Factor (PAFM) - Unit 2, Jojobera Power Plant

Unit	2	Month	Jan-23		
Sl. No.	Day	Total Declared Capacity during the Day (DCi) (MW)	Installed Capacity (IC) (MW)	Normative Aux. Power Consumption (%)	Availability (%)
1	1-Jan-23	108.98	120.00	9.00%	99.80%
2	2-Jan-23	109.17	120.00	9.00%	99.98%
3	3-Jan-23	109.07	120.00	9.00%	99.88%
4	4-Jan-23	109.20	120.00	9.00%	100.00%
5	5-Jan-23	108.68	120.00	9.00%	99.52%
6	6-Jan-23	108.88	120.00	9.00%	99.71%
7	7-Jan-23	108.63	120.00	9.00%	99.48%
8	8-Jan-23	109.05	120.00	9.00%	99.86%
9	9-Jan-23	109.13	120.00	9.00%	99.94%
10	10-Jan-23	108.59	120.00	9.00%	99.44%
11	11-Jan-23	108.52	120.00	9.00%	99.38%
12	12-Jan-23	108.48	120.00	9.00%	99.34%
13	13-Jan-23	108.48	120.00	9.00%	99.34%
14	14-Jan-23	109.04	120.00	9.00%	99.85%
15	15-Jan-23	109.19	120.00	9.00%	99.99%
16	16-Jan-23	109.07	120.00	9.00%	99.88%
17	17-Jan-23	108.92	120.00	9.00%	99.74%
18	18-Jan-23	108.93	120.00	9.00%	99.75%
19	19-Jan-23	108.93	120.00	9.00%	99.75%
20	20-Jan-23	108.71	120.00	9.00%	99.55%
21	21-Jan-23	109.14	120.00	9.00%	99.95%
22	22-Jan-23	109.20	120.00	9.00%	100.00%
23	23-Jan-23	108.68	120.00	9.00%	99.52%
24	24-Jan-23	108.65	120.00	9.00%	99.49%
25	25-Jan-23	108.76	120.00	9.00%	99.60%
26	26-Jan-23	109.10	120.00	9.00%	99.91%
27	27-Jan-23	108.87	120.00	9.00%	99.70%
28	28-Jan-23	108.95	120.00	9.00%	99.77%
29	29-Jan-23	108.51	120.00	9.00%	99.37%
30	30-Jan-23	62.56	120.00	9.00%	57.29%
31	31-Jan-23	0.00	120.00	9.00%	0.00%
Jan-23		103.873	120.00	9.00%	95.12%

YTD Availability of Unit 2 till December 2022	99.82%
Monthly Availability of Unit 2 during January 2023	95.12%
YTD January 2023 Availability of Unit 2	99.35%

Reference: Regulation 17.4 of JSERC Generation Tariff Regulations 2020

17.4 The Plant Availability Factor achieved for the month (PAFM) shall be computed in accordance with the following formula:

$$PAFM = 100 \times \sum_{i=1}^{N} DC_i / [N \times IC \times (1 - Aux)]\%$$

Where,

Aux: Normative Auxiliary Energy Consumption (%);

DC_i: Average Declared Capacity (in ex-bus MW), for the i^{th} time block in such period;

IC: Installed Capacity (in MW) of the generating station;

N: Number of time blocks in the given period.

Reference: Regulation 13.18-13.19 of JSERC Grid Code Regulations 2008

13.18 In case of any grid disturbance, scheduled generation of all the generating stations and scheduled drawal of all the Users / Distribution Licensees shall be deemed to have been revised to be equal to their actual generation/drawal for all the time blocks affected by the Grid Disturbance. Certification of Grid Disturbance and its duration shall be done by SLDC.

13.19 Revision of declared capability by generator(s) and requisition by Users / Distribution Licensees for the remaining period of the day will also be permitted with advance notice. Revised schedules/declared capability in such cases shall become effective from the 6th time block, counting the time block in which the request for revision has been received in SLDC to be the first one.

Representative
Jojobera Power Plant

Sasidev Hansdah
Chief - O&M
The Tata Power Company Limited
Jojobera Power Plant, Jamshedpur-831016

Representative
LDC, Tata Steel

CHARAN DAS
Manager LDC Cleet (T&D)
TATA STEEL LTD.

Monthly Plant Availability Factor (PAFM)

Doc No: Tata Power/TSL/LDC/Unit 2/2022-23/11

Monthly Plant Availability Factor (PAFM) - Unit 2, Jojobera Power Plant

Unit		2	Month	Feb-23	
Sl. No.	Day	Total Declared Capacity during the Day (DCi) (MW)	Installed Capacity (IC) (MW)	Normative Aux. Power Consumption (%)	Availability (%)
1	1-Feb-23	0.00	120.00	9.00%	0.00%
2	2-Feb-23	64.36	120.00	9.00%	58.93%
3	3-Feb-23	108.96	120.00	9.00%	99.78%
4	4-Feb-23	108.94	120.00	9.00%	99.76%
5	5-Feb-23	109.20	120.00	9.00%	100.00%
6	6-Feb-23	109.20	120.00	9.00%	100.00%
7	7-Feb-23	109.20	120.00	9.00%	100.00%
8	8-Feb-23	109.20	120.00	9.00%	100.00%
9	9-Feb-23	109.20	120.00	9.00%	100.00%
10	10-Feb-23	109.20	120.00	9.00%	100.00%
11	11-Feb-23	108.92	120.00	9.00%	99.74%
12	12-Feb-23	108.75	120.00	9.00%	99.59%
13	13-Feb-23	108.52	120.00	9.00%	99.38%
14	14-Feb-23	109.13	120.00	9.00%	99.93%
15	15-Feb-23	109.06	120.00	9.00%	99.87%
16	16-Feb-23	108.42	120.00	9.00%	99.29%
17	17-Feb-23	108.54	120.00	9.00%	99.39%
18	18-Feb-23	108.78	120.00	9.00%	99.62%
19	19-Feb-23	109.20	120.00	9.00%	100.00%
20	20-Feb-23	109.02	120.00	9.00%	99.84%
21	21-Feb-23	109.01	120.00	9.00%	99.83%
22	22-Feb-23	108.77	120.00	9.00%	99.61%
23	23-Feb-23	108.35	120.00	9.00%	99.22%
24	24-Feb-23	108.94	120.00	9.00%	99.76%
25	25-Feb-23	108.58	120.00	9.00%	99.44%
26	26-Feb-23	108.94	120.00	9.00%	99.76%
27	27-Feb-23	108.38	120.00	9.00%	99.25%
28	28-Feb-23	108.13	120.00	9.00%	99.02%
Feb-23		**103.389**	**120.00**	**9.00%**	**94.68%**

YTD Availability of Unit 2 till January 2023	**99.35%**
Monthly Availability of Unit 2 during February 2023	**94.68%**
YTD February 2023 Availability of Unit 2	**98.96%**

Reference: Regulation 17.4 of JSERC Generation Tariff Regulations 2020

17.4 The Plant Availability Factor achieved for the month (PAFM) shall be computed in accordance with the following formula:

$$PAFM = 100 \times \sum_{i=1}^{N} DC_i / [N \times IC \times (1 - Aux)]\%$$

Where,

Aux: Normative Auxiliary Energy Consumption (%);

DC_i: Average Declared Capacity (in ex-bus MW), for the i^{th} time block in such period;

IC: Installed Capacity (in MW) of the generating station;

N: Number of time blocks in the given period.

Reference: Regulation 13.18-13.19 of JSERC Grid Code Regulations 2008

13.18 In case of any grid disturbance, scheduled generation of all the generating stations and scheduled drawal of all the Users / Distribution Licensees shall be deemed to have been revised to be equal to their actual generation/drawal for all the time blocks affected by the Grid Disturbance. Certification of Grid Disturbance and its duration shall be done by SLDC.

13.19 Revision of declared capability by generator(s) and requisition by Users / Distribution Licensees for the remaining period of the day will also be permitted with advance notice. Revised schedules/declared capability in such cases shall become effective from the 6th time block, counting the time block in which the request for revision has been received in SLDC to be the first one.

Representative
Tata Power Jojobera

Basudev Hansdah
Chief - O&M
The Tata Power Company Limited
Jojobera Power Plant, Jamshedpur-831016

Representative
LDC, Tata Steel

CHARAN DAS
Manager LDC Elect (T&D)
TATA STEEL LTD.

Monthly Plant Availability Factor (PAFM)

Doc No: Tata Power/TSL/LDC/Unit 2/2022-23/12

Monthly Plant Availability Factor (PAFM) - Unit 2, Jojobera Power Plant

Unit		2	Month	Mar-23	
Sl. No.	Day	Total Declared Capacity during the Day (DCi) (MW)	Installed Capacity (IC) (MW)	Normative Aux. Power Consumption (%)	Availability (%)
1	1-Mar-23	109.08	120.00	9.00%	99.89%
2	2-Mar-23	109.20	120.00	9.00%	100.00%
3	3-Mar-23	109.20	120.00	9.00%	100.00%
4	4-Mar-23	109.20	120.00	9.00%	100.00%
5	5-Mar-23	109.20	120.00	9.00%	100.00%
6	6-Mar-23	109.15	120.00	9.00%	99.95%
7	7-Mar-23	108.69	120.00	9.00%	99.53%
8	8-Mar-23	109.10	120.00	9.00%	99.91%
9	9-Mar-23	109.07	120.00	9.00%	99.88%
10	10-Mar-23	108.89	120.00	9.00%	99.72%
11	11-Mar-23	108.48	120.00	9.00%	99.34%
12	12-Mar-23	109.01	120.00	9.00%	99.82%
13	13-Mar-23	108.54	120.00	9.00%	99.40%
14	14-Mar-23	108.77	120.00	9.00%	99.60%
15	15-Mar-23	108.70	120.00	9.00%	99.54%
16	16-Mar-23	108.66	120.00	9.00%	99.50%
17	17-Mar-23	107.95	120.00	9.00%	98.86%
18	18-Mar-23	108.82	120.00	9.00%	99.65%
19	19-Mar-23	109.14	120.00	9.00%	99.95%
20	20-Mar-23	108.96	120.00	9.00%	99.78%
21	21-Mar-23	108.75	120.00	9.00%	99.59%
22	22-Mar-23	108.50	120.00	9.00%	99.36%
23	23-Mar-23	108.57	120.00	9.00%	99.42%
24	24-Mar-23	109.06	120.00	9.00%	99.87%
25	25-Mar-23	109.20	120.00	9.00%	100.00%
26	26-Mar-23	109.20	120.00	9.00%	100.00%
27	27-Mar-23	108.88	120.00	9.00%	99.70%
28	28-Mar-23	109.20	120.00	9.00%	100.00%
29	29-Mar-23	109.20	120.00	9.00%	100.00%
30	30-Mar-23	108.99	120.00	9.00%	99.81%
31	31-Mar-23	94.54	120.00	9.00%	86.58%
Mar-23		108.448	120.00	9.00%	99.31%

YTD Availability of Unit 2 till February 2023	98.96%
Monthly Availability of Unit 2 during March 2023	99.31%
YTD March 2023 Availability of Unit 2	98.99%

Reference: Regulation 17.4 of JSERC Generation Tariff Regulations 2020

17.4 The Plant Availability Factor achieved for the month (PAFM) shall be computed in accordance with the following formula:

$$PAFM = 100 \times \sum_{i=1}^{N} DC_i / [N \times IC \times (1 - Aux)]\%$$

Where,

Aux: Normative Auxiliary Energy Consumption (%);

DC_i: Average Declared Capacity (in ex-bus MW), for the i^{th} time block in such period;

IC: Installed Capacity (in MW) of the generating station;

N: Number of time blocks in the given period.

Reference: Regulation 13.18-13.19 of JSERC Grid Code Regulations 2008

13.18 In case of any grid disturbance, scheduled generation of all the generating stations and scheduled drawal of all the Users / Distribution Licensees shall be deemed to have been revised to be equal to their actual generation/drawal for all the time blocks affected by the Grid Disturbance. Certification of Grid Disturbance and its duration shall be done by SLDC.

13.19 Revision of declared capability by generator(s) and requisition by Users / Distribution Licensees for the remaining period of the day will also be permitted with advance notice. Revised schedules/declared capability in such cases shall become effective from the 6th time block, counting the time block in which the request for revision has been received in SLDC to be the first one.

Representative
Tata Power, Jojobera

Basudev Hansdah
Chief - O&M
The Tata Power Company Limited
Jojobera Power Plant, Jamshedpur-831016

Representative
LDC, Tata Steel

CHARAN DAS
Manager LDC Elect (T&D)
TATA STEEL LTD.

Monthly Plant Availability Factor (PAFM)

Doc No: Tata Power/TSL/LDC/Unit 3/2022-23/01

Monthly Plant Availability Factor (PAFM) - Unit 3, Jojobera Power Plant

Unit		3	Month	Apr-22	
Sl. No.	Day	Total Declared Capacity during the Day (DCi) (MW)	Installed Capacity (IC) (MW)	Normative Aux. Power Consumption (%)	Availability (%)
1	1-Apr-22	109.107	120.00	9.00%	99.92%
2	2-Apr-22	109.029	120.00	9.00%	99.84%
3	3-Apr-22	108.836	120.00	9.00%	99.67%
4	4-Apr-22	108.984	120.00	9.00%	99.80%
5	5-Apr-22	109.011	120.00	9.00%	99.83%
6	6-Apr-22	109.183	120.00	9.00%	99.98%
7	7-Apr-22	109.139	120.00	9.00%	99.94%
8	8-Apr-22	109.187	120.00	9.00%	99.99%
9	9-Apr-22	109.024	120.00	9.00%	99.84%
10	10-Apr-22	109.085	120.00	9.00%	99.89%
11	11-Apr-22	109.177	120.00	9.00%	99.98%
12	12-Apr-22	109.151	120.00	9.00%	99.95%
13	13-Apr-22	109.170	120.00	9.00%	99.97%
14	14-Apr-22	109.093	120.00	9.00%	99.90%
15	15-Apr-22	109.123	120.00	9.00%	99.93%
16	16-Apr-22	90.975	120.00	9.00%	83.31%
17	17-Apr-22	109.157	120.00	9.00%	99.96%
18	18-Apr-22	109.200	120.00	9.00%	100.00%
19	19-Apr-22	109.200	120.00	9.00%	100.00%
20	20-Apr-22	109.200	120.00	9.00%	100.00%
21	21-Apr-22	109.182	120.00	9.00%	99.98%
22	22-Apr-22	109.200	120.00	9.00%	100.00%
23	23-Apr-22	109.149	120.00	9.00%	99.95%
24	24-Apr-22	109.150	120.00	9.00%	99.95%
25	25-Apr-22	109.192	120.00	9.00%	99.99%
26	26-Apr-22	108.972	120.00	9.00%	99.79%
27	27-Apr-22	108.728	120.00	9.00%	99.57%
28	28-Apr-22	109.131	120.00	9.00%	99.94%
29	29-Apr-22	108.954	120.00	9.00%	99.77%
30	30-Apr-22	109.011	120.00	9.00%	99.83%
Apr-22		108.490	120.00	9.00%	99.35%

Monthly Availability of Unit 3 during April 2022	99.35%
YTD April 2022 Availability of Unit 3	99.35%

Representative
Tata Power, Jojobera

Representative
LDC, Tata Steel

Reference: Regulation 17.4 of JSERC Generation Tariff Regulations 2020

17.4 The Plant Availability Factor achieved for the month (PAFM) shall be computed in accordance with the following formula:

$$PAFM = 100 \times \sum_{i=1}^{N} DC_i / \{N \times IC \times (1 - Aux)\}\%$$

Where,

Aux: Normative Auxiliary Energy Consumption (%);

DC_i: Average Declared Capacity (in ex-bus MW), for the i^{th} time block in such period;

IC: Installed Capacity (in MW) of the generating station;

N: Number of time blocks in the given period.

Reference: Regulation 13.18-13.19 of JSERC Grid Code Regulations 2008

13.18 In case of any grid disturbance, scheduled generation of all the generating stations and scheduled drawal of all the Users / Distribution Licensees shall be deemed to have been revised to be equal to their actual generation/drawal for all the time blocks affected by the Grid Disturbance. Certification of Grid Disturbance and its duration shall be done by SLDC.

13.19 Revision of declared capability by generator(s) and requisition by Users / Distribution Licensees for the remaining period of the day will also be permitted with advance notice. Revised schedules/declared capability in such cases shall become effective from the 6th time block, counting the time block in which the request for revision has been received in SLDC to be the first one.

OK

Monthly Plant Availability Factor (PAFM)

Doc No: Tata Power/TSL/LDC/Unit 3/2022-23/02

Monthly Plant Availability Factor (PAFM) - Unit 3, Jojobera Power Plant

Unit		3	Month	May-22	
Sl. No.	Day	Total Declared Capacity during the Day (DCi) (MW)	Installed Capacity (IC) (MW)	Normative Aux. Power Consumption (%)	Availability (%)
1	1-May-22	109.082	120.00	9.00%	99.89%
2	2-May-22	108.982	120.00	9.00%	99.80%
3	3-May-22	108.905	120.00	9.00%	99.73%
4	4-May-22	109.154	120.00	9.00%	99.96%
5	5-May-22	109.200	120.00	9.00%	100.00%
6	6-May-22	109.152	120.00	9.00%	99.96%
7	7-May-22	109.200	120.00	9.00%	100.00%
8	8-May-22	109.200	120.00	9.00%	100.00%
9	9-May-22	108.955	120.00	9.00%	99.78%
10	10-May-22	108.829	120.00	9.00%	99.66%
11	11-May-22	108.984	120.00	9.00%	99.80%
12	12-May-22	109.072	120.00	9.00%	99.88%
13	13-May-22	109.154	120.00	9.00%	99.96%
14	14-May-22	109.095	120.00	9.00%	99.90%
15	15-May-22	109.118	120.00	9.00%	99.92%
16	16-May-22	109.041	120.00	9.00%	99.85%
17	17-May-22	108.605	120.00	9.00%	99.45%
18	18-May-22	109.168	120.00	9.00%	99.97%
19	19-May-22	108.869	120.00	9.00%	99.70%
20	20-May-22	108.942	120.00	9.00%	99.76%
21	21-May-22	109.066	120.00	9.00%	99.88%
22	22-May-22	109.200	120.00	9.00%	100.00%
23	23-May-22	108.790	120.00	9.00%	99.62%
24	24-May-22	109.160	120.00	9.00%	99.96%
25	25-May-22	108.487	120.00	9.00%	99.35%
26	26-May-22	109.052	120.00	9.00%	99.86%
27	27-May-22	108.876	120.00	9.00%	99.70%
28	28-May-22	108.998	120.00	9.00%	99.82%
29	29-May-22	109.018	120.00	9.00%	99.83%
30	30-May-22	109.008	120.00	9.00%	99.82%
31	31-May-22	108.881	120.00	9.00%	99.71%
May-22		109.00789	120.00	9.00%	99.82%

YTD Availability of Unit 2 till April 2022	99.35%
Monthly Availability of Unit 2 during May 2022	99.82%
YTD May 2022 Availability of Unit 2	99.59%

Representative
Tata Power, Jojobera

Representative
LDC, Tata Steel

Reference: Regulation 17.4 of JSERC Generation Tariff Regulations 2020

17.4 The Plant Availability Factor achieved for the month (PAFM) shall be computed in accordance with the following formula:

$$PAFM = 100 \times \sum_{i=1}^{N} DC_i / \{N \times IC \times (1 - Aux)\}\%$$

Where,

Aux: Normative Auxiliary Energy Consumption (%);

DC_i: Average Declared Capacity (in ex-bus MW), for the i^{th} time block in such period;

IC: Installed Capacity (in MW) of the generating station;

N: Number of time blocks in the given period.

Reference: Regulation 13.18-13.19 of JSERC Grid Code Regulations 2008

13.18 In case of any grid disturbance, scheduled generation of all the generating stations and scheduled drawal of all the Users / Distribution Licensees shall be deemed to have been revised to be equal to their actual generation/drawal for all the time blocks affected by the Grid Disturbance. Certification of Grid Disturbance and its duration shall be done by SLDC.

13.19 Revision of declared capability by generator(s) and requisition by Users / Distribution Licensees for the remaining period of the day will also be permitted with advance notice. Revised schedules/declared capability in such cases shall become effective from the 6th time block, counting the time block in which the request for revision has been received in SLDC to be the first one.

OK

Monthly Plant Availability Factor (PAFM)

Doc No: Tata Power/TSL/LDC/Unit 3/2022-23/03

Monthly Plant Availability Factor (PAFM) - Unit 3, Jojobera Power Plant

Unit	3	Month	Jun-22		
Sl. No.	Day	Total Declared Capacity during the Day (DCi) (MW)	Installed Capacity (IC) (MW)	Normative Aux. Power Consumption (%)	Availability (%)
1	1-Jun-22	109.039	120.00	9.00%	99.85%
2	2-Jun-22	109.122	120.00	9.00%	99.93%
3	3-Jun-22	108.985	120.00	9.00%	99.80%
4	4-Jun-22	108.980	120.00	9.00%	99.80%
5	5-Jun-22	109.085	120.00	9.00%	99.89%
6	6-Jun-22	108.920	120.00	9.00%	99.74%
7	7-Jun-22	109.121	120.00	9.00%	99.93%
8	8-Jun-22	109.196	120.00	9.00%	100.00%
9	9-Jun-22	109.037	120.00	9.00%	99.85%
10	10-Jun-22	109.159	120.00	9.00%	99.96%
11	11-Jun-22	108.931	120.00	9.00%	99.75%
12	12-Jun-22	109.069	120.00	9.00%	99.88%
13	13-Jun-22	109.016	120.00	9.00%	99.83%
14	14-Jun-22	108.831	120.00	9.00%	99.66%
15	15-Jun-22	109.139	120.00	9.00%	99.94%
16	16-Jun-22	109.200	120.00	9.00%	100.00%
17	17-Jun-22	109.200	120.00	9.00%	100.00%
18	18-Jun-22	109.200	120.00	9.00%	100.00%
19	19-Jun-22	109.200	120.00	9.00%	100.00%
20	20-Jun-22	109.200	120.00	9.00%	100.00%
21	21-Jun-22	109.200	120.00	9.00%	100.00%
22	22-Jun-22	109.200	120.00	9.00%	100.00%
23	23-Jun-22	109.051	120.00	9.00%	99.86%
24	24-Jun-22	109.094	120.00	9.00%	99.90%
25	25-Jun-22	108.887	120.00	9.00%	99.71%
26	26-Jun-22	108.885	120.00	9.00%	99.71%
27	27-Jun-22	109.073	120.00	9.00%	99.88%
28	28-Jun-22	109.084	120.00	9.00%	99.89%
29	29-Jun-22	109.029	120.00	9.00%	99.84%
30	30-Jun-22	108.992	120.00	9.00%	99.81%
Jun-22		109.071	120.00	9.00%	99.88%

YTD Availability of Unit 2 till May 2022	99.59%
Monthly Availability of Unit 2 during June 2022	99.88%
YTD June 2022 Availability of Unit 2	99.69%

Representative
Tata Power, Jojobera

Representative
LDC, Tata Steel

Reference: Regulation 17.4 of JSERC Generation Tariff Regulations 2020

17.4 The Plant Availability Factor achieved for the month (PAFM) shall be computed in accordance with the following formula:

$$PAFM = 100 \times \frac{\sum_{i=1}^{N} DC_i}{N \times IC \times (1 - Aux)}\%$$

Where,

Aux: Normative Auxiliary Energy Consumption (%);

DC_i: Average Declared Capacity (in ex-bus MW), for the i^{th} time block in such period;

IC: Installed Capacity (in MW) of the generating station;

N: Number of time blocks in the given period.

Reference: Regulation 13.18-13.19 of JSERC Grid Code Regulations 2008

13.18 In case of any grid disturbance, scheduled generation of all the generating stations and scheduled drawal of all the Users / Distribution Licensees shall be deemed to have been revised to be equal to their actual generation/drawal for all the time blocks affected by the Grid Disturbance. Certification of Grid Disturbance and its duration shall be done by SLDC.

13.19 Revision of declared capability by generator(s) and requisition by Users / Distribution Licensees for the remaining period of the day will also be permitted with advance notice. Revised schedules/declared capability in such cases shall become effective from the 6th time block, counting the time block in which the request for revision has been received in SLDC to be the first one.

Monthly Plant Availability Factor (PAFM)

Doc No: Tata Power/TSL/LDC/Unit 3/2022-23/04

Monthly Plant Availability Factor (PAFM) - Unit 3, Jojobera Power Plant

Unit		3	Month	Jul-22	
Sl. No.	Day	Total Declared Capacity during the Day (DCi) (MW)	Installed Capacity (IC) (MW)	Normative Aux. Power Consumption (%)	Availability (%)
1	1-Jul-22	109.162	120.00	9.00%	99.96%
2	2-Jul-22	109.170	120.00	9.00%	99.97%
3	3-Jul-22	108.805	120.00	9.00%	99.64%
4	4-Jul-22	109.139	120.00	9.00%	99.94%
5	5-Jul-22	109.183	120.00	9.00%	99.98%
6	6-Jul-22	109.200	120.00	9.00%	100.00%
7	7-Jul-22	108.899	120.00	9.00%	99.72%
8	8-Jul-22	109.172	120.00	9.00%	99.97%
9	9-Jul-22	109.200	120.00	9.00%	100.00%
10	10-Jul-22	109.200	120.00	9.00%	100.00%
11	11-Jul-22	108.832	120.00	9.00%	99.66%
12	12-Jul-22	108.983	120.00	9.00%	99.80%
13	13-Jul-22	109.052	120.00	9.00%	99.86%
14	14-Jul-22	108.669	120.00	9.00%	99.51%
15	15-Jul-22	108.877	120.00	9.00%	99.70%
16	16-Jul-22	108.949	120.00	9.00%	99.77%
17	17-Jul-22	109.060	120.00	9.00%	99.87%
18	18-Jul-22	108.902	120.00	9.00%	99.73%
19	19-Jul-22	108.978	120.00	9.00%	99.80%
20	20-Jul-22	108.894	120.00	9.00%	99.72%
21	21-Jul-22	108.825	120.00	9.00%	99.66%
22	22-Jul-22	108.843	120.00	9.00%	99.67%
23	23-Jul-22	97.746	120.00	9.00%	89.51%
24	24-Jul-22	109.148	120.00	9.00%	99.95%
25	25-Jul-22	109.185	120.00	9.00%	99.99%
26	26-Jul-22	108.944	120.00	9.00%	99.77%
27	27-Jul-22	108.832	120.00	9.00%	99.66%
28	28-Jul-22	108.850	120.00	9.00%	99.68%
29	29-Jul-22	109.097	120.00	9.00%	99.91%
30	30-Jul-22	109.152	120.00	9.00%	99.96%
31	31-Jul-22	109.200	120.00	9.00%	100.00%
Jul-22		**108.650**	**120.00**	**9.00%**	**99.50%**

YTD Availability of Unit 2 till June 2022	99.69%
Monthly Availability of Unit 2 during July 2022	99.50%
YTD July 2022 Availability of Unit 2	99.64%

Representative
Tata Power, Jojobera

Representative
LDC, Tata Steel

Reference: Regulation 17.4 of JSERC Generation Tariff Regulations 2020

17.4 The Plant Availability Factor achieved for the month (PAFM) shall be computed in accordance with the following formula:

$$PAFM = 100 \times \sum_{i=1}^{N} DC_i / [N \times IC \times (1 - Aux)]\%$$

Where,

Aux: Normative Auxiliary Energy Consumption (%);

DC_i: Average Declared Capacity (in ex-bus MW), for the i^{th} time block in such period;

IC: Installed Capacity (in MW) of the generating station;

N: Number of time blocks in the given period.

Reference: Regulation 13.18-13.19 of JSERC Grid Code Regulations 2008

13.18 In case of any grid disturbance, scheduled generation of all the generating stations and scheduled drawal of all the Users / Distribution Licensees shall be deemed to have been revised to be equal to their actual generation/drawal for all the time blocks affected by the Grid Disturbance. Certification of Grid Disturbance and its duration shall be done by SLDC.

13.19 Revision of declared capability by generator(s) and requisition by Users / Distribution Licensees for the remaining period of the day will also be permitted with advance notice. Revised schedules/declared capability in such cases shall become effective from the 6th time block, counting the time block in which the request for revision has been received in SLDC to be the first one.

OK

Monthly Plant Availability Factor (PAFM)

Doc No: Tata Power/TSL/LDC/Unit 3/2022-23/05

Monthly Plant Availability Factor (PAFM) - Unit 3, Jojobera Power Plant

Unit		3	Month	Aug-22	
Sl. No.	Day	Total Declared Capacity during the Day (DCi) (MW)	Installed Capacity (IC) (MW)	Normative Aux. Power Consumption (%)	Availability (%)
1	1-Aug-22	108.970	120.00	9.00%	99.79%
2	2-Aug-22	109.082	120.00	9.00%	99.89%
3	3-Aug-22	108.815	120.00	9.00%	99.65%
4	4-Aug-22	109.105	120.00	9.00%	99.91%
5	5-Aug-22	109.162	120.00	9.00%	99.97%
6	6-Aug-22	108.955	120.00	9.00%	99.78%
7	7-Aug-22	109.117	120.00	9.00%	99.92%
8	8-Aug-22	109.182	120.00	9.00%	99.98%
9	9-Aug-22	109.096	120.00	9.00%	99.91%
10	10-Aug-22	108.995	120.00	9.00%	99.81%
11	11-Aug-22	109.129	120.00	9.00%	99.93%
12	12-Aug-22	108.980	120.00	9.00%	99.80%
13	13-Aug-22	108.997	120.00	9.00%	99.81%
14	14-Aug-22	109.191	120.00	9.00%	99.99%
15	15-Aug-22	109.200	120.00	9.00%	100.00%
16	16-Aug-22	109.179	120.00	9.00%	99.98%
17	17-Aug-22	109.102	120.00	9.00%	99.91%
18	18-Aug-22	109.043	120.00	9.00%	99.86%
19	19-Aug-22	108.783	120.00	9.00%	99.62%
20	20-Aug-22	109.000	120.00	9.00%	99.82%
21	21-Aug-22	109.172	120.00	9.00%	99.97%
22	22-Aug-22	108.958	120.00	9.00%	99.78%
23	23-Aug-22	109.075	120.00	9.00%	99.89%
24	24-Aug-22	108.920	120.00	9.00%	99.74%
25	25-Aug-22	108.891	120.00	9.00%	99.72%
26	26-Aug-22	109.033	120.00	9.00%	99.85%
27	27-Aug-22	108.915	120.00	9.00%	99.74%
28	28-Aug-22	109.178	120.00	9.00%	99.98%
29	29-Aug-22	109.200	120.00	9.00%	100.00%
30	30-Aug-22	108.911	120.00	9.00%	99.74%
31	31-Aug-22	108.891	120.00	9.00%	99.72%
Aug-22		109.040	120.00	9.00%	99.85%

YTD Availability of Unit 3 till July 2022	99.64%
Monthly Availability of Unit 3 during August 2022	99.85%
YTD August 2022 Availability of Unit 3	99.68%

Representative
Tata Power, Jojobera

Representative
LDC, Tata Steel

Reference: Regulation 17.4 of JSERC Generation Tariff Regulations 2020

17.4 The Plant Availability Factor achieved for the month (PAFM) shall be computed in accordance with the following formula:

$$PAFM = 100 \times \sum_{i=1}^{N} DC_i / [N \times IC \times (1 - Aux)]\%$$

Where,

Aux: Normative Auxiliary Energy Consumption (%);

DC_i: Average Declared Capacity (in ex-bus MW), for the i^{th} time block in such period;

IC: Installed Capacity (in MW) of the generating station;

N: Number of time blocks in the given period.

Reference: Regulation 13.18-13.19 of JSERC Grid Code Regulations 2008

13.18 In case of any grid disturbance, scheduled generation of all the generating stations and scheduled drawal of all the Users / Distribution Licensees shall be deemed to have been revised to be equal to their actual generation/drawal for all the time blocks affected by the Grid Disturbance. Certification of Grid Disturbance and its duration shall be done by SLDC.

13.19 Revision of declared capability by generator(s) and requisition by Users / Distribution Licensees for the remaining period of the day will also be permitted with advance notice. Revised schedules/declared capability in such cases shall become effective from the 6th time block, counting the time block in which the request for revision has been received in SLDC to be the first one.

OK

Monthly Plant Availability Factor (PAFM)

Doc No: Tata Power/TSL/LDC/Unit 3/2022-23/06

Monthly Plant Availability Factor (PAFM) - Unit 3, Jojobera Power Plant

Unit	3	Month	Sep-22		
Sl. No.	Day	Total Declared Capacity during the Day (DCi) (MW)	Installed Capacity (IC) (MW)	Normative Aux. Power Consumption (%)	Availability (%)
1	1-Sep-22	108.919	120.00	9.00%	99.74%
2	2-Sep-22	108.806	120.00	9.00%	99.64%
3	3-Sep-22	108.565	120.00	9.00%	99.42%
4	4-Sep-22	108.913	120.00	9.00%	99.74%
5	5-Sep-22	108.897	120.00	9.00%	99.72%
6	6-Sep-22	108.975	120.00	9.00%	99.79%
7	7-Sep-22	108.673	120.00	9.00%	99.52%
8	8-Sep-22	108.839	120.00	9.00%	99.67%
9	9-Sep-22	109.023	120.00	9.00%	99.84%
10	10-Sep-22	108.674	120.00	9.00%	99.52%
11	11-Sep-22	108.617	120.00	9.00%	99.47%
12	12-Sep-22	109.123	120.00	9.00%	99.93%
13	13-Sep-22	108.954	120.00	9.00%	99.77%
14	14-Sep-22	108.939	120.00	9.00%	99.76%
15	15-Sep-22	109.137	120.00	9.00%	99.94%
16	16-Sep-22	109.167	120.00	9.00%	99.97%
17	17-Sep-22	109.200	120.00	9.00%	100.00%
18	18-Sep-22	109.193	120.00	9.00%	99.99%
19	19-Sep-22	109.126	120.00	9.00%	99.93%
20	20-Sep-22	109.185	120.00	9.00%	99.99%
21	21-Sep-22	108.933	120.00	9.00%	99.76%
22	22-Sep-22	109.123	120.00	9.00%	99.93%
23	23-Sep-22	109.178	120.00	9.00%	99.98%
24	24-Sep-22	109.118	120.00	9.00%	99.92%
25	25-Sep-22	109.200	120.00	9.00%	100.00%
26	26-Sep-22	109.200	120.00	9.00%	100.00%
27	27-Sep-22	109.029	120.00	9.00%	99.84%
28	28-Sep-22	108.591	120.00	9.00%	99.44%
29	29-Sep-22	109.120	120.00	9.00%	99.93%
30	30-Sep-22	109.125	120.00	9.00%	99.93%
Sep-22		108.985	120.00	9.00%	99.80%

YTD Availability of Unit 2 till August 2022	99.68%
Monthly Availability of Unit 2 during September 2022	99.80%
YTD September 2022 Availability of Unit 2	99.70%

Representative
Tata Power, Jojobera

Representative
LDC, Tata Steel

Reference: Regulation 17.4 of JSERC Generation Tariff Regulations 2020

17.4 The Plant Availability Factor achieved for the month (PAFM) shall be computed in accordance with the following formula:

$$PAFM = 100 \times \frac{\sum_{i=1}^{N} DC_i}{[N \times IC \times (1 - Aux)]}\%$$

Where,

Aux: Normative Auxiliary Energy Consumption (%);

DC_i: Average Declared Capacity (in ex-bus MW), for the i^{th} time block in such period;

IC: Installed Capacity (in MW) of the generating station;

N: Number of time blocks in the given period.

Reference: Regulation 13.18-13.19 of JSERC Grid Code Regulations 2008

13.18 In case of any grid disturbance, scheduled generation of all the generating stations and scheduled drawal of all the Users / Distribution Licensees shall be deemed to have been revised to be equal to their actual generation/drawal for all the time blocks affected by the Grid Disturbance. Certification of Grid Disturbance and its duration shall be done by SLDC.

13.19 Revision of declared capability by generator(s) and requisition by Users / Distribution Licensees for the remaining period of the day will also be permitted with advance notice. Revised schedules/declared capability in such cases shall become effective from the 6th time block, counting the time block in which the request for revision has been received in SLDC to be the first one.

OK

Monthly Plant Availability Factor (PAFM)

Doc No: Tata Power/TSL/LDC/Unit 3/2022-23/07

Monthly Plant Availability Factor (PAFM) - Unit 3, Jojobera Power Plant

Unit		3	Month	Oct-22	
Sl. No.	Day	Total Declared Capacity during the Day (DCi) (MW)	Installed Capacity (IC) (MW)	Normative Aux. Power Consumption (%)	Availability (%)
1	1-Oct-22	109.200	120.00	9.00%	100.00%
2	2-Oct-22	109.200	120.00	9.00%	100.00%
3	3-Oct-22	109.200	120.00	9.00%	100.00%
4	4-Oct-22	109.200	120.00	9.00%	100.00%
5	5-Oct-22	109.200	120.00	9.00%	100.00%
6	6-Oct-22	109.200	120.00	9.00%	100.00%
7	7-Oct-22	109.200	120.00	9.00%	100.00%
8	8-Oct-22	109.200	120.00	9.00%	100.00%
9	9-Oct-22	109.200	120.00	9.00%	100.00%
10	10-Oct-22	109.200	120.00	9.00%	100.00%
11	11-Oct-22	109.200	120.00	9.00%	100.00%
12	12-Oct-22	109.016	120.00	9.00%	99.83%
13	13-Oct-22	109.200	120.00	9.00%	100.00%
14	14-Oct-22	108.787	120.00	9.00%	99.62%
15	15-Oct-22	108.892	120.00	9.00%	99.72%
16	16-Oct-22	109.004	120.00	9.00%	99.82%
17	17-Oct-22	109.170	120.00	9.00%	99.97%
18	18-Oct-22	109.110	120.00	9.00%	99.92%
19	19-Oct-22	109.062	120.00	9.00%	99.87%
20	20-Oct-22	109.200	120.00	9.00%	100.00%
21	21-Oct-22	109.200	120.00	9.00%	100.00%
22	22-Oct-22	109.200	120.00	9.00%	100.00%
23	23-Oct-22	109.200	120.00	9.00%	100.00%
24	24-Oct-22	109.200	120.00	9.00%	100.00%
25	25-Oct-22	109.200	120.00	9.00%	100.00%
26	26-Oct-22	109.200	120.00	9.00%	100.00%
27	27-Oct-22	109.200	120.00	9.00%	100.00%
28	28-Oct-22	109.200	120.00	9.00%	100.00%
29	29-Oct-22	109.200	120.00	9.00%	100.00%
30	30-Oct-22	109.200	120.00	9.00%	100.00%
31	31-Oct-22	109.200	120.00	9.00%	100.00%
Oct-21		109.156	120.00	9.00%	99.96%

YTD Availability of Unit 2 till September 2022	99.70%
Monthly Availability of Unit 2 during October 2022	99.96%
YTD October 2022 Availability of Unit 2	99.74%

Representative
Tata Power, Jojobera

Representative
LDC, Tata Steel

Reference: Regulation 17.4 of JSERC Generation Tariff Regulations 2020

17.4 The Plant Availability Factor achieved for the month (PAFM) shall be computed in accordance with the following formula:

$$PAFM = 100 \times \frac{\sum_{i=1}^{N} DC_i}{(N \times IC \times (1 - Aux))}\%$$

Where,

Aux: Normative Auxiliary Energy Consumption (%);

DC_i: Average Declared Capacity (in ex-bus MW), for the i^{th} time block in such period;

IC: Installed Capacity (in MW) of the generating station;

N: Number of time blocks in the given period.

Reference: Regulation 13.18-13.19 of JSERC Grid Code Regulations 2008

13.18 In case of any grid disturbance, scheduled generation of all the generating stations and scheduled drawal of all the Users / Distribution Licensees shall be deemed to have been revised to be equal to their actual generation/drawal for all the time blocks affected by the Grid Disturbance. Certification of Grid Disturbance and its duration shall be done by SLDC.

13.19 Revision of declared capability by generator(s) and requisition by Users / Distribution Licensees for the remaining period of the day will also be permitted with advance notice. Revised schedules/declared capability in such cases shall become effective from the 6th time block, counting the time block in which the request for revision has been received in SLDC to be the first one.

OK

Monthly Plant Availability Factor (PAFM)

Doc No: Tata Power/TSL/LDC/Unit 3/2022-23/08

Monthly Plant Availability Factor (PAFM) - Unit 3, Jojobera Power Plant

Unit	3	Month	Nov-22		
Sl. No.	Day	Total Declared Capacity during the Day (DCi) (MW)	Installed Capacity (IC) (MW)	Normative Aux. Power Consumption (%)	Availability (%)
1	1-Nov-22	109.186	120.00	9.00%	99.99%
2	2-Nov-22	109.200	120.00	9.00%	100.00%
3	3-Nov-22	109.200	120.00	9.00%	100.00%
4	4-Nov-22	109.106	120.00	9.00%	99.91%
5	5-Nov-22	109.200	120.00	9.00%	100.00%
6	6-Nov-22	109.200	120.00	9.00%	100.00%
7	7-Nov-22	109.091	120.00	9.00%	99.90%
8	8-Nov-22	109.200	120.00	9.00%	100.00%
9	9-Nov-22	109.136	120.00	9.00%	99.94%
10	10-Nov-22	0.000	120.00	9.00%	0.00%
11	11-Nov-22	0.000	120.00	9.00%	0.00%
12	12-Nov-22	0.000	120.00	9.00%	0.00%
13	13-Nov-22	0.000	120.00	9.00%	0.00%
14	14-Nov-22	0.000	120.00	9.00%	0.00%
15	15-Nov-22	0.000	120.00	9.00%	0.00%
16	16-Nov-22	0.000	120.00	9.00%	0.00%
17	17-Nov-22	77.029	120.00	9.00%	70.54%
18	18-Nov-22	109.182	120.00	9.00%	99.98%
19	19-Nov-22	109.200	120.00	9.00%	100.00%
20	20-Nov-22	109.200	120.00	9.00%	100.00%
21	21-Nov-22	109.200	120.00	9.00%	100.00%
22	22-Nov-22	109.200	120.00	9.00%	100.00%
23	23-Nov-22	109.200	120.00	9.00%	100.00%
24	24-Nov-22	109.200	120.00	9.00%	100.00%
25	25-Nov-22	109.200	120.00	9.00%	100.00%
26	26-Nov-22	109.200	120.00	9.00%	100.00%
27	27-Nov-22	109.200	120.00	9.00%	100.00%
28	28-Nov-22	109.114	120.00	9.00%	99.92%
29	29-Nov-22	109.172	120.00	9.00%	99.97%
30	30-Nov-22	109.139	120.00	9.00%	99.94%
Nov-22		82.632	120.00	9.00%	75.670%

YTD Availability of Unit 3 till October 2022	99.74%
Monthly Availability of Unit 3 during November 2022	75.67%
YTD November 2022 Availability of Unit 3	96.78%

Representative
Tata Power, Jojobera

Representative
LDC, Tata Steel

Reference: Regulation 17.4 of JSERC Generation Tariff Regulations 2020

17.4 The Plant Availability Factor achieved for the month (PAFM) shall be computed in accordance with the following formula:

$$PAFM = 100 \times \sum_{i=1}^{N} DC_i / [N \times IC \times (1 - Aux)]\%$$

Where,

Aux: Normative Auxiliary Energy Consumption (%);

DC_i: Average Declared Capacity (in ex-bus MW), for the i^{th} time block in such period;

IC: Installed Capacity (in MW) of the generating station;

N: Number of time blocks in the given period.

Reference: Regulation 13.18-13.19 of JSERC Grid Code Regulations 2008

13.18 In case of any grid disturbance, scheduled generation of all the generating stations and scheduled drawal of all the Users / Distribution Licensees shall be deemed to have been revised to be equal to their actual generation/drawal for all the time blocks affected by the Grid Disturbance. Certification of Grid Disturbance and its duration shall be done by SLDC.

13.19 Revision of declared capability by generator(s) and requisition by Users / Distribution Licensees for the remaining period of the day will also be permitted with advance notice. Revised schedules/declared capability in such cases shall become effective from the 6th time block, counting the time block in which the request for revision has been received in SLDC to be the first one.

OK

Monthly Plant Availability Factor (PAFM)

Doc No: Tata Power/TSL/LDC/Unit 3/2022-23/09

Monthly Plant Availability Factor (PAFM) - Unit 3, Jojobera Power Plant

Unit	3	Month	Dec-22		
Sl. No.	Day	Total Declared Capacity during the Day (DCi) (MW)	Installed Capacity (IC) (MW)	Normative Aux. Power Consumption (%)	Availability (%)
1	1-Dec-22	109.157	120.00	9.00%	99.96%
2	2-Dec-22	109.175	120.00	9.00%	99.98%
3	3-Dec-22	109.030	120.00	9.00%	99.84%
4	4-Dec-22	109.135	120.00	9.00%	99.94%
5	5-Dec-22	109.200	120.00	9.00%	100.00%
6	6-Dec-22	109.200	120.00	9.00%	100.00%
7	7-Dec-22	109.200	120.00	9.00%	100.00%
8	8-Dec-22	109.200	120.00	9.00%	100.00%
9	9-Dec-22	109.025	120.00	9.00%	99.84%
10	10-Dec-22	109.200	120.00	9.00%	100.00%
11	11-Dec-22	109.200	120.00	9.00%	100.00%
12	12-Dec-22	109.200	120.00	9.00%	100.00%
13	13-Dec-22	109.200	120.00	9.00%	100.00%
14	14-Dec-22	109.200	120.00	9.00%	100.00%
15	15-Dec-22	109.138	120.00	9.00%	99.94%
16	16-Dec-22	109.200	120.00	9.00%	100.00%
17	17-Dec-22	109.200	120.00	9.00%	100.00%
18	18-Dec-22	109.200	120.00	9.00%	100.00%
19	19-Dec-22	109.200	120.00	9.00%	100.00%
20	20-Dec-22	109.200	120.00	9.00%	100.00%
21	21-Dec-22	109.188	120.00	9.00%	99.99%
22	22-Dec-22	109.200	120.00	9.00%	100.00%
23	23-Dec-22	109.188	120.00	9.00%	99.99%
24	24-Dec-22	109.200	120.00	9.00%	100.00%
25	25-Dec-22	109.200	120.00	9.00%	100.00%
26	26-Dec-22	109.161	120.00	9.00%	99.96%
27	27-Dec-22	109.085	120.00	9.00%	99.89%
28	28-Dec-22	109.200	120.00	9.00%	100.00%
29	29-Dec-22	109.131	120.00	9.00%	99.94%
30	30-Dec-22	109.200	120.00	9.00%	100.00%
31	31-Dec-22	73.214	120.00	9.00%	67.05%
Dec-22		**108.014**	**120.00**	**9.00%**	**98.91%**

YTD Availability of Unit 3 till November 2022	96.78%
Monthly Availability of Unit 3 during December 2022	98.91%
YTD December 2022 Availability of Unit 3	97.02%

Representative
Tata Power, Jojobera

Representative
LDC, Tata Steel

Reference: Regulation 17.4 of JSERC Generation Tariff Regulations 2020

17.4 The Plant Availability Factor achieved for the month (PAFM) shall be computed in accordance with the following formula:

$$PAFM = 100 \times \sum_{i=1}^{N} DC_i / \{N \times IC \times (1 - Aux)\}\%$$

Where,

Aux: Normative Auxiliary Energy Consumption (%);

DC_i: Average Declared Capacity (in ex-bus MW), for the i^{th} time block in such period;

IC: Installed Capacity (in MW) of the generating station;

N: Number of time blocks in the given period.

Reference: Regulation 13.18-13.19 of JSERC Grid Code Regulations 2008

13.18 In case of any grid disturbance, scheduled generation of all the generating stations and scheduled drawal of all the Users / Distribution Licensees shall be deemed to have been revised to be equal to their actual generation/drawal for all the time blocks affected by the Grid Disturbance. Certification of Grid Disturbance and its duration shall be done by SLDC.

13.19 Revision of declared capability by generator(s) and requisition by Users / Distribution Licensees for the remaining period of the day will also be permitted with advance notice. Revised schedules/declared capability in such cases shall become effective from the 6th time block, counting the time block in which the request for revision has been received in SLDC to be the first one.

Monthly Plant Availability Factor (PAFM)

Doc No: Tata Power/TSL/LDC/Unit 3/2022-23/10

Monthly Plant Availability Factor (PAFM) - Unit 3, Jojobera Power Plant

Unit		3	Month	Jan-23	
Sl. No.	Day	Total Declared Capacity during the Day (DCi) (MW)	Installed Capacity (IC) (MW)	Normative Aux. Power Consumption (%)	Availability (%)
1	1-Jan-23	0.00	120.00	9.00%	0.00%
2	2-Jan-23	84.83	120.00	9.00%	77.68%
3	3-Jan-23	109.04	120.00	9.00%	99.85%
4	4-Jan-23	108.86	120.00	9.00%	99.69%
5	5-Jan-23	108.72	120.00	9.00%	99.56%
6	6-Jan-23	108.97	120.00	9.00%	99.79%
7	7-Jan-23	108.99	120.00	9.00%	99.81%
8	8-Jan-23	109.00	120.00	9.00%	99.82%
9	9-Jan-23	109.04	120.00	9.00%	99.85%
10	10-Jan-23	108.77	120.00	9.00%	99.61%
11	11-Jan-23	108.72	120.00	9.00%	99.56%
12	12-Jan-23	108.91	120.00	9.00%	99.73%
13	13-Jan-23	109.12	120.00	9.00%	99.93%
14	14-Jan-23	109.13	120.00	9.00%	99.94%
15	15-Jan-23	108.82	120.00	9.00%	99.65%
16	16-Jan-23	108.86	120.00	9.00%	99.69%
17	17-Jan-23	109.14	120.00	9.00%	99.95%
18	18-Jan-23	108.80	120.00	9.00%	99.63%
19	19-Jan-23	109.12	120.00	9.00%	99.92%
20	20-Jan-23	109.07	120.00	9.00%	99.88%
21	21-Jan-23	109.03	120.00	9.00%	99.84%
22	22-Jan-23	108.97	120.00	9.00%	99.79%
23	23-Jan-23	108.93	120.00	9.00%	99.75%
24	24-Jan-23	108.86	120.00	9.00%	99.69%
25	25-Jan-23	108.87	120.00	9.00%	99.69%
26	26-Jan-23	109.01	120.00	9.00%	99.82%
27	27-Jan-23	108.95	120.00	9.00%	99.77%
28	28-Jan-23	108.54	120.00	9.00%	99.40%
29	29-Jan-23	109.08	120.00	9.00%	99.89%
30	30-Jan-23	109.02	120.00	9.00%	99.84%
31	31-Jan-23	109.19	120.00	9.00%	99.99%
Jan-23		**104.656**	**120.00**	**9.00%**	**95.84%**

YTD Availability of Unit 3 till December 2022	97.02%
Monthly Availability of Unit 3 during January 2023	95.84%
YTD January 2023 Availability of Unit 3	96.90%

Reference: Regulation 17.4 of JSERC Generation Tariff Regulations 2020

17.4 The Plant Availability Factor achieved for the month (PAFM) shall be computed in accordance with the following formula:

$$PAFM = 100 \times \sum_{i=1}^{N} DC_i / [N \times IC \times (1 - Aux)]\%$$

Where,

Aux: Normative Auxiliary Energy Consumption (%);

DC_i: Average Declared Capacity (in ex-bus MW), for the i^{th} time block in such period;

IC: Installed Capacity (in MW) of the generating station;

N: Number of time blocks in the given period.

Reference: Regulation 13.18-13.19 of JSERC Grid Code Regulations 2008

13.18 In case of any grid disturbance, scheduled generation of all the generating stations and scheduled drawal of all the Users / Distribution Licensees shall be deemed to have been revised to be equal to their actual generation/drawal for all the time blocks affected by the Grid Disturbance. Certification of Grid Disturbance and its duration shall be done by SLDC.

13.19 Revision of declared capability by generator(s) and requisition by Users / Distribution Licensees for the remaining period of the day will also be permitted with advance notice. Revised schedules/declared capability in such cases shall become effective from the 6th time block, counting the time block in which the request for revision has been received in SLDC to be the first one.

Representative
Tata Power, Jojobera

Basudev Hansdah
Chief - O&M
The Tata Power Company Limited
Jojobera Power Plant, Jamshedpur-831016

Representative
LDC, Tata Steel

CHARAN DAS
Manager LDC Cell (T&D)
TATA STEEL LTD.

Monthly Plant Availability Factor (PAFM)

Doc No: Tata Power/TSL/LDC/Unit 3/2022-23/11

Monthly Plant Availability Factor (PAFM) - Unit 3, Jojobera Power Plant

Unit		3	Month	Feb-23	
Sl. No.	Day	Total Declared Capacity during the Day (DCi) (MW)	Installed Capacity (IC) (MW)	Normative Aux. Power Consumption (%)	Availability (%)
1	1-Feb-23	109.10	120.00	9.00%	99.91%
2	2-Feb-23	109.03	120.00	9.00%	99.85%
3	3-Feb-23	108.96	120.00	9.00%	99.78%
4	4-Feb-23	109.02	120.00	9.00%	99.83%
5	5-Feb-23	109.20	120.00	9.00%	100.00%
6	6-Feb-23	109.20	120.00	9.00%	100.00%
7	7-Feb-23	109.20	120.00	9.00%	100.00%
8	8-Feb-23	109.20	120.00	9.00%	100.00%
9	9-Feb-23	109.20	120.00	9.00%	100.00%
10	10-Feb-23	109.20	120.00	9.00%	100.00%
11	11-Feb-23	109.20	120.00	9.00%	100.00%
12	12-Feb-23	109.20	120.00	9.00%	100.00%
13	13-Feb-23	109.02	120.00	9.00%	99.84%
14	14-Feb-23	109.18	120.00	9.00%	99.98%
15	15-Feb-23	109.12	120.00	9.00%	99.93%
16	16-Feb-23	109.03	120.00	9.00%	99.85%
17	17-Feb-23	109.03	120.00	9.00%	99.84%
18	18-Feb-23	108.99	120.00	9.00%	99.81%
19	19-Feb-23	108.89	120.00	9.00%	99.72%
20	20-Feb-23	108.80	120.00	9.00%	99.63%
21	21-Feb-23	108.83	120.00	9.00%	99.66%
22	22-Feb-23	109.03	120.00	9.00%	99.85%
23	23-Feb-23	109.00	120.00	9.00%	99.82%
24	24-Feb-23	108.73	120.00	9.00%	99.57%
25	25-Feb-23	108.72	120.00	9.00%	99.56%
26	26-Feb-23	108.92	120.00	9.00%	99.75%
27	27-Feb-23	109.19	120.00	9.00%	99.99%
28	28-Feb-23	109.05	120.00	9.00%	99.86%
Feb-23		**109.045**	**120.00**	**9.00%**	**99.86%**

YTD Availability of Unit 3 till January 2023	**96.90%**
Monthly Availability of Unit 3 during February 2023	**99.86%**
YTD February 2023 Availability of Unit 3	**97.15%**

Reference: Regulation 17.4 of JSERC Generation Tariff Regulations 2020

17.4 The Plant Availability Factor achieved for the month (PAFM) shall be computed in accordance with the following formula:

$$PAFM = 100 \times \sum_{i=1}^{N} DC_i / [N \times IC \times (1 - Aux)]\%$$

Where,

Aux: Normative Auxiliary Energy Consumption (%);

DC_i: Average Declared Capacity (in ex-bus MW), for the i^{th} time block in such period;

IC: Installed Capacity (in MW) of the generating station;

N: Number of time blocks in the given period.

Reference: Regulation 13.18-13.19 of JSERC Grid Code Regulations 2008

13.18 In case of any grid disturbance, scheduled generation of all the generating stations and scheduled drawal of all the Users / Distribution Licensees shall be deemed to have been revised to be equal to their actual generation/drawal for all the time blocks affected by the Grid Disturbance. Certification of Grid Disturbance and its duration shall be done by SLDC.

13.19 Revision of declared capability by generator(s) and requisition by Users / Distribution Licensees for the remaining period of the day will also be permitted with advance notice. Revised schedules/declared capability in such cases shall become effective from the 6th time block, counting the time block in which the request for revision has been received in SLDC to be the first one.

Representative
Basudev Hansdah
Chief - O&M
The Tata Power Company Limited
Jojobera Power Plant, Jamshedpur-831016

Representative
LDC, Tata Steel
CHARAN DAS
Manager LDC (elect TRD)
Tata Steel Ltd.

Monthly Plant Availability Factor (PAFM)

Doc No: Tata Power/TSL/LDC/Unit 3/2022-23/12

Monthly Plant Availability Factor (PAFM) - Unit 3, Jojobera Power Plant

Unit		3	Month	Mar-23	
Sl. No.	Day	Total Declared Capacity during the Day (DCi) (MW)	Installed Capacity (IC) (MW)	Normative Aux. Power Consumption (%)	Availability (%)
1	1-Mar-23	109.02	120.00	9.00%	99.84%
2	2-Mar-23	109.15	120.00	9.00%	99.95%
3	3-Mar-23	109.04	120.00	9.00%	99.86%
4	4-Mar-23	109.10	120.00	9.00%	99.91%
5	5-Mar-23	109.16	120.00	9.00%	99.96%
6	6-Mar-23	109.12	120.00	9.00%	99.92%
7	7-Mar-23	109.12	120.00	9.00%	99.93%
8	8-Mar-23	108.94	120.00	9.00%	99.77%
9	9-Mar-23	108.75	120.00	9.00%	99.59%
10	10-Mar-23	109.09	120.00	9.00%	99.90%
11	11-Mar-23	109.01	120.00	9.00%	99.83%
12	12-Mar-23	109.00	120.00	9.00%	99.82%
13	13-Mar-23	109.02	120.00	9.00%	99.84%
14	14-Mar-23	108.91	120.00	9.00%	99.73%
15	15-Mar-23	108.90	120.00	9.00%	99.73%
16	16-Mar-23	109.14	120.00	9.00%	99.94%
17	17-Mar-23	109.00	120.00	9.00%	99.82%
18	18-Mar-23	109.16	120.00	9.00%	99.96%
19	19-Mar-23	108.81	120.00	9.00%	99.64%
20	20-Mar-23	108.97	120.00	9.00%	99.79%
21	21-Mar-23	108.91	120.00	9.00%	99.74%
22	22-Mar-23	108.79	120.00	9.00%	99.62%
23	23-Mar-23	109.20	120.00	9.00%	100.00%
24	24-Mar-23	109.11	120.00	9.00%	99.92%
25	25-Mar-23	108.81	120.00	9.00%	99.64%
26	26-Mar-23	108.96	120.00	9.00%	99.78%
27	27-Mar-23	108.58	120.00	9.00%	99.43%
28	28-Mar-23	109.11	120.00	9.00%	99.91%
29	29-Mar-23	108.86	120.00	9.00%	99.69%
30	30-Mar-23	108.93	120.00	9.00%	99.75%
31	31-Mar-23	108.95	120.00	9.00%	99.77%
Mar-23		108.987	120.00	9.00%	99.81%

YTD Availability of Unit 3 till February 2023	97.15%
Monthly Availability of Unit 3 during March 2023	99.81%
YTD March 2023 Availability of Unit 3	97.37%

Reference: Regulation 17.4 of JSERC Generation Tariff Regulations 2020

17.4 The Plant Availability Factor achieved for the month (PAFM) shall be computed in accordance with the following formula:

$$PAFM = 100 \times \sum_{i=1}^{N} DC_i / [N \times IC \times (1 - Aux)]\%$$

Where,

Aux: Normative Auxiliary Energy Consumption (%);

DC_i: Average Declared Capacity (in ex-bus MW), for the i^{th} time block in such period;

IC: Installed Capacity (in MW) of the generating station;

N: Number of time blocks in the given period.

Reference: Regulation 13.18-13.19 of JSERC Grid Code Regulations 2008

13.18 In case of any grid disturbance, scheduled generation of all the generating stations and scheduled drawal of all the Users / Distribution Licensees shall be deemed to have been revised to be equal to their actual generation/drawal for all the time blocks affected by the Grid Disturbance. Certification of Grid Disturbance and its duration shall be done by SLDC.

13.19 Revision of declared capability by generator(s) and requisition by Users / Distribution Licensees for the remaining period of the day will also be permitted with advance notice. Revised schedules/declared capability in such cases shall become effective from the 6th time block, counting the time block in which the request for revision has been received in SLDC to be the first one.

Representative
Tata Power, Jojobera

Sasudev Hansdah
Chief - O&M
The Tata Power Company Limited
Jojobera Power Plant, Jamshedpur-831016

Representative
LDC, Tata Steel

CHARAN DAS
Manager LDC Elect (T&D)
TATA STEEL LTD.

ANNEXURE-P4
Report dtd. 30.09.2022

JPP/235/2022
30.09.2022

The Secretary
Jharkhand State Electricity Regulatory Commission
1st Floor, Jharkhand Housing Board Headquarter (Old Building)
Harmu Housing Colony, Ranchi-834002

Subject: Submission of Report on Fuel Mix for Q1 FY 2022-23

Sir,

This is in reference to the Tariff Order dated 14.02.2020 in Case Tariff No. 1 of 2019 and the earlier Tariff Order dated 27.12.2019 in Case Tariff No. 05 of 2018, wherein Hon'ble Commission directed Tata Power to submit quarterly report with regard to variations in Coal Mix compared to what had been approved along with reasons for the same. Directive of the Hon'ble Commission in this regard is reproduced below for ready reference:

"A 9: DIRECTIVES

Fuel Mix

9.3 The Commission has observed that due to various reasons, the Petitioner has procured coal from sources other than what had been approved. Such variations lead to a change in the fuel mix and the landed cost. The Petitioner is directed to bring to the notice of the Commission any such changes with regard to coal mix with proper justification on Quarterly basis. Further, the Petitioner is directed to carry out techno-commercial audit to identify the reasons for high energy charge and submit the report within six months of issuance of this Order."

"

In view of the above directive, Tata Power hereby in the enclosed Appendix is providing the fuel mix report of Q1 FY 2022-23 for kind consideration of the Hon'ble Commission.

Thanking you,

Yours Sincerely,

(Jagmit Singh Sidhu)
CEO-IEL & Chief - Jamshedpur Operation

Enclosure: Appendix.

ANNEXURE-A

Quarterly Report on the Fuel Mix – (Apr-May-June- 2022)

1. The Hon'ble Commission in the Tariff Order dated 14.02.2020 in Case Tariff No. 1 of 2019 and in earlier Tariff Order dated 27.12.2019 in Case Tariff No. 05 of 2018 directed Tata Power to submit quarterly report with regard to variations in Coal Mix compared to what had been approved along with reasons for the same. Directive of the Hon'ble Commission in this regard is reproduced below for ready reference:

   "A 9: DIRECTIVES

   Fuel Mix

   9.3 The Commission has observed that due to various reasons, the Petitioner has procured coal from sources other than what had been approved. Such variations lead to a change in the fuel mix and the landed cost. The Petitioner is directed to bring to the notice of the Commission any such changes with regard to coal mix with proper justification on Quarterly basis. Further, the Petitioner is directed to carry out techno-commercial audit to identify the reasons for high energy charge and submit the report within six months of issuance of this Order."

2. Therefore, in compliance with the above directive, Tata Power through the instant submission is submitting the actual fuel Mix for the period Apr 2022 to June 2022, i.e. Quarter 1 (Q1) of FY 2022-23, highlighting the deviations from the proposed mix (submitted in Multi Year Tariff Petition for FY 2022-26) and reasons for the same for kind perusal and consideration of the Hon'ble Commission.
3. A summary of the proposed fuel mix and actual fuel mix of Unit 2 and Unit 3 for Q1 FY 2022-23 alongwith variation in PLF is presented below for kind perusal and consideration of the Hon'ble Commission:

Unit	Unit 2 Apr 22-June 22		Unit 3 Apr 22-June 22	
Particulars	Proposed in MYT Petition	Actual	Proposed in MYT Petition	Actual
Middling	21.84%	6.51%	19.59%	3.29%
ECL Shakti	6.42%	11.66%	6.60%	5.15%
MCL Shakti	13.95%	11.19%	14.35%	15.08%
CCL Shakti R2	14.49%	11.06%	14.90%	17.69%
CCL Shakti R3	43.31%	24.70%	44.56%	34.40%
CCL SFA Coal	0%	34.88%	0%	24.39%
Total	100.00%	100.00%	100.00%	100.00%
Shakti Coal	78.16%	58.61%	80.41%	72.32%
Non-Shakti Coal	21.84%	41.39%	19.59%	27.68%
PLF	85.03%	89.10%	83%	89.10%

4. The deviations (actual vis-à-vis proposed coal mix) as shown above is mainly due to combined effect of following factors which were beyond the control of Tata Power:
    (a) Increase in Demand of Distribution Licensee by almost 5-6% compared to initial estimation, thus, requiring more coal than initially projected for meeting the increased demand.
    (b) Supply of CCL allocations under RCR mode in terms of Sub-Group Decision on Coal Supply to Gencos. /Plants leading to low materialization of CCL Shakti Coal.
    (c) Almost No supply of middling coal from West Bokaro Collieries in view of non-availability of surplus coal
    (d) Building of sufficient coal stock in wake of coal crisis looming across the nation and upcoming monsoon season which anyways shall affect/impact coal supply from coal mines to Gencos.

5. The above reasons are discussed in detail hereunder:

6. With respect to point (a), it is submitted that actual PLF for Unit 2 and Unit 3 for Q1(FY 22-23) is about 89.1 % compared to projection of 85% in Unit 2 and 83% in Unit 3 respectively. Therefore, to meet the increased demand, Tata Power was required to source additional coal causing variation in the fuel mix as shown in the above Table. Since, demand of a distribution licensee is beyond the control of Generating Station, the above variations is beyond the control of Generating Station. Moreover, the linkage under shakti coal is only for about 75% of the PLF and balance coal in anyways has to be arranged from alternate sources and the same has also been mentioned in the MYT Business Plan and Petition for FY 22-26.
7. With respect to point (b), it is submitted that in series of directions/notifications of Ministry of Power (MoP) starting from 7.12.2021 has stressed upon the need to import coal by Gencos considering increase in demand and also supply from Coal India Limited not being commensurate with the requirements of thermal power plants. It is pertinent to mention that the situation of inadequate coal/depleted coal stocks at Power Stations was at peak during the 1st Quarter of FY 22023 and same is evident from the fact that MoP increased the blending ratio of Imported coal from 4% as advised in advisory dated 07.12.2021 to 10% in Advisory issued dated 28.04.2022 and further issuing directions u/s 11 of the Act for import of coal. The situation has only started improving from month of July 2022 and, accordingly, MoP on 1st August onwards has left IPPs to decide on import of coal after assessing the availability of domestic coal supplies. Advisory issued by MoP dated 7.12.2021, 28.04.2022 and 01.08.2022 is enclosed herewith and marked as **Annexure-1.** From above, it is evident that there is coal shortage across nation and domestic coal supplies are not able to match the demand.
8. Also, Sub-Group constituted by the Infrastructure Constraints Review Committee comprising of members from MoP, MoC, Railways, CEA, CIL and officials from Generating companies during the weekly review meeting on supply of coal to power sector and supply plan to augment the coal stock at Plants/Gencos having lesser coal stock, has recommended a maximum of 1 Rake in RCR mode from CCL to Jojobera Units 2&3. Sample Minutes of the Sub-Group weekly meetings are enclosed herewith and marked as **Annexure-2** wherein at S.No. 39 supply plan from CCL to Jojobera plant is indicated as 1 rake RCR.
9. Thus, from above, it is established that in wake of nationwide coal crisis and to meet the bare minimum coal requirement at all Gencos/Power Plant, coal supply from CCL to Jojobera unit was

constrained to be supplied under Road cum Rail (RCR) mode only. The above restriction has, thus, impacted the actual coal materialization of CCL Shakti coal and its cost which is beyond the control of Tata Power.

10. With regard to point(c), it is submitted that in view of non-availability of surplus coal considering constraints at their end, West Bokaro Collieries was not in a position to supply coal for IPP Units 2&3 of Jojobera Power Plant in FY 22-23 as envisaged in the MYT Business Plan for meeting the coal requirement over and above the SHAKTI Coal, but, same was subject to review during the year. However, in month of May and June, few rakes of middling coal have been supplied for sustained generation from Unit 2 & 3.
11. Considering above and to have sufficient coal stock to tide over the impending coal crisis and upcoming monsoon season, Tata Power, after taking due consent from TSL distribution licensee, participated in Special Forward e-auction conducted by MSTC Ltd on 15.02.2022 for procurement of Additional Coal. Tata Power was successfully awarded about 1.28 Lakh ton of coal from CCL. Moreover, against the allotted quantity, most of the coal has been lifted and consumed in Q1 of FY 2022-23 to meet the demand of the distribution licensee.

Impact on Energy Charge Rate:

12. Pursuant to change in fuel mix due to reasons stated above, the Petitioner assessed the deviations in the Energy Charge Rate for Q1 of FY 2022-23 compared to the ECR proposed in the MYT Petition for FY 2022-23. Such deviations have been categorized under following heads:
    (a) Variation due to change in GCV/Price of the approved sources which has led to the increase in the coal cost and, hence, such increase/decrease is basically on account of market forces/recommendation of subgroup which is beyond the control of the Petitioner.
    (b) Variation due to change in fuel mix for reasons as stated above.

13. Difference in ECR for Q1 FY 2022-23 compared to ECR proposed in MYT Petition for FY 22-26 and effect on ECR due to each of the factor as stated above have been demonstrated in the Table below for kind perusal of the Hon'ble Commission. The detailed workings for the same have been enclosed in **ANNEXURE-3** of the instant submission for kind reference of the Hon'ble Commission. For instant submission, Transit loss has been considered at the Normative Level and, hence, impact of the same on the Energy Charge Rate is nil for the instant submission. However, Tata Power shall update the actual Transit Loss figures at the time of true-up. Similarly, Specific Secondary fuel oil consumption has been considered at the normative level of 0.5 ml/kWh, as stated in Generation Tariff Regulation 2020.

Unit 2:

	Particulars - Unit 2				
Sl.No	**Period**	**Apr 22-Jun 22**			
1	Fuel Mix (In terms of Quantity)	UoM	Proposed in MYT Petition	Actual (w/o change in fuel mix)	Actual
	Non-SHAKTI Coal	%	21.84%	21.84%	41.39%
	SHAKTI Coal	%	78.16%	78.16%	58.61%

2	Weighted Avg. GCV_{NS} Coal	kCal/Kg	3861	4094	3153
	Weighted Avg. LP_{NS} Coal	Rs/MT	4223	4975	3655
	Weighted Avg. GCV_{S} Coal	kCal/Kg	3816	3840	3964
	Weighted Avg. LP_{S} Coal	Rs/MT	3587	3762	3921
	Weighted Avg. GCV_{EFF} Coal	kCal/Kg	3826	3895	3628
	Weighted Avg. LP_{EFF} Coal	Rs/MT	3725	4027	3811
	Weighted Avg. GCV_{LDO}	KCal/L	9100	10185	10185
	Weighted Avg. LP_{LDO}	Rs/KL	45198	65875	65875
3	ECR_{NS} Coal	Rs/kWh	3.059	3.398	3.242
4	ECR_{S} Coal		2.629	2.740	2.767
5	ECR_{EFF} Coal		2.724	2.891	2.938
6	ECR_{LDO}		0.025	0.036	0.036
7	Discount due to SHAKTI Coal		0.047	0.043	0.033
8	$ECR_{EFF\ (WITH\ SHAKTI\ Discount)}$		2.702	2.885	2.941
9	$ECR_{ACTUAL-PROPOSED}$	Rs/kWh			0.238
	i - Variation due to Change in GCV/Price of Coal				0.182
	ii - Variation due to Change in Fuel Mix of Coal				0.056

Unit 3:

	Particulars - Unit 3				
Sl.No	**Period**	**Apr 22-Jun 22**			
1	Fuel Mix (In terms of Quantity)	UoM	Proposed in MYT Petition	Actual (w/o change in fuel mix)	Actual
	Non-SHAKTI Coal	%	19.59%	19.59%	27.68%
	SHAKTI Coal	%	80.41%	80.41%	72.32%
2	Weighted Avg. GCV_{NS} Coal	kCal/Kg	3860	4159	3174
	Weighted Avg. LP_{NS} Coal	Rs/MT	4223	4907	3583
	Weighted Avg. GCV_{S} Coal	kCal/Kg	3817	3838	3809
	Weighted Avg. LP_{S} Coal	Rs/MT	3713	3758	3635
	Weighted Avg. GCV_{EFF} Coal	kCal/Kg	3825	3901	3633
	Weighted Avg. LP_{EFF} Coal	Rs/MT	3813	3983	3621
	Weighted Avg. GCV_{LDO}	KCal/L	9100	10185	10185
	Weighted Avg. LP_{LDO}	Rs/KL	45196	61371	61371
3	ECR_{NS} Coal	Rs/kWh	3.060	3.299	3.157
4	ECR_{S} Coal		2.722	2.739	2.669
5	ECR_{EFF} Coal		2.789	2.856	2.787

6	ECR_{LDO}		0.025	0.034	0.034
7	Discount due to SHAKTI Coal		0.046	0.043	0.041
8	$ECR_{EFF\ (WITH\ SHAKTI\ Discount)}$		2.767	2.847	2.780
9	$ECR_{ACTUAL-PROPOSED}$	Rs/kWh			0.013
	i - Variation due to Change in GCV/Price of Coal				0.080
	ii - Variation due to Change in Fuel Mix of Coal				-0.067

14. As evident from above Tables, Net ECR for Q1 FY 2022-23 has increased by 23.8 Paise/kWh in Unit 2 and by 1.30 Paise/kWh in Unit 3 respectively compared to proposed. Moreover, against increase of 23.8 Paise/kWh in Unit 2, 18.2 Paise/kWh is mainly due to increase in (Rs/MkCal) of Shakti Coal which is mainly due to supply of SHAKTI Coal in RCR mode as for reasons as elaborated above and increase of 5.6 Paise/kWh is due to change in Fuel Mix for reasons as explained above. Increase in U3 is very minimal as increase due change in GCV/Price of approved sources has been net off by reduction in ECR due to change in fuel mix.
15. In view of foregoing, the Petitioner most humbly prays before this Hon'ble Commission to kindly consider the actual fuel mix for the 1st Quarter of FY 2022-23 for Unit 2 and Unit 3.

Annexure -1

No. FU-21/2020-FSC(Vol-IV)
Government of India
Ministry of Power

Shram Shakti Bhawan, Rafi Marg,
New Delhi, dated 07.12.2021

To,

CMDs, Thermal Generating Stations (State GENCOs/IPPs) (As per the list)

Sub: Import of Coal for blending purposes – reg.

Due to increase in demand and consumption of electricity, the share of coal-based generation has increased. As a consequence, the total coal consumption has increased in the power plants. However, the supply of coal from CIL is not commensurate with the requirements of thermal power plants. Hence, the coal stocks available with the plants are still low.

2. In the present scenario where demand is increasing and domestic coal is meeting the demand of power plants only partially, the need of import for blending purpose has arisen and Gencos need to import coal for blending. CEA has already issued letters to all gencos in this regard for making efforts for importing coal for upto 10% blending purpose so that they are able to maintain adequate coal stocks during July-Oct every year as coal supplies from CIL gets affected adversely during these months. MoP has also issued an advisory on 20.10.2021 to all the coal-based stations to maintain their coal stocks as per their obligations and to ensure full availability of their plants to meet the electricity demand as per the requirements in the grid. It was also advised that if the domestic coal supplies fall short of the requirements, they may blend with imported coal upto 15 percent.

3. Keeping the above in view , the requirement of imported coal for blending purpose during 2022-23 has been estimated. Imported coal required for blending @ 4% for State Gencos and IPPs for Pithead and Non-Pithead stations are given at **Annexure-I**.

4. The State Gencos and IPPs are advised to take necessary action immediately to import and arrange the quantity as annexed above by May, 2022 i.e. before the

onset of rainy season to avoid critical coal stocks , and build up the coal stocks under intimation to MoP and CEA.

5. This issues with the approval of Hon'ble Minister for Power & NRE.

Encl: As above

(S.Majumdar)
Under Secretary to the Govt. of India
Tel – 2335-6938

Copy to:

1. Chairman, Central Electricity Authority
2. Principal Secretaries/Secretary(Power/Energy) of all State Governments/ UTs
3. DG, Association of Power Producers(APP)

Annexure-I

COAL REQUIREMENT FOR BLENDING-2022-23

Estimated Quantity for blending @ 4%

A. Central Genos	Utility	Capacity (MW)	(PLF @85%) ('000 Tonnes)
	NON-PITHEAD STATIONS		
A. State Gencos			
1	HPGCL	2510	362
2	PSPCL	1760	238
3	RRVUNL	3240	386
4	UPRVUNL	2839	417
5	CSPGCL	1500	218
6	GSECL	4010	538
7	MPPGCL	5190	750
8	MAHAGENCO	9540	1386
9	APPDCL	1600	208
10	APGENCO	3410	519
11	KPCL	5020	636
12	TANGEDCO	4320	878
13	TSGENCO	3810	454
14	TVUNL	420	63
15	WBPDCL	5290	706
	Total-State Gencos	**54459**	**7758**
B. IPPs			
1	MAHATMA GANDHI TPS	1320	160
2	GOINDWAL SAHIB TPP	540	76
3	RAJPURA TPP	1400	153
4	TALWANDI SABO TPP	1980	260
5	KAWAI TPS	1320	156
6	BARKHERA TPS	90	14
7	KHAMBARKHERA TPS	90	14
8	KUNDARKI TPS	90	14
9	LALITPUR TPS	1980	241
10	MAQSOODPUR TPS	90	14
11	PRAYAGRAJ TPP	1980	246
12	ROSA TPP Ph-I	1200	156
13	UTRAULA TPS	90	14
14	AKALTARA TPS	1800	229
15	BALCO TPS	600	84
16	BANDAKHAR TPP	300	42
17	BARADARHA TPS	1200	184
18	BINJKOTE TPP	600	90
19	NAWAPARA TPP	600	94
20	PATHADI TPP	600	78
21	TAMNAR TPP	2400	399
22	UCHPINDA TPP	1440	214
23	SABARMATI (D-F STATIONS)	362	41
24	ANUPPUR TPP	1200	155
25	BINA TPS	500	73
26	SEIONI TPP	600	76
27	AMRAVATI TPS	1350	167
28	DAHANU TPS	500	62
29	DHARIWAL TPP	600	80
30	GMR WARORA TPS	600	80
31	TIRORA TPS	3300	432
32	WARDHA WARORA TPP	540	71
33	PAINAMPURAM TPP	1320	154
34	VIZAG TPP	1040	138
35	JOJOBERA TPS	240	33
36	MAHADEV PRASAD STPP	540	75
37	MAITHON RB TPP	1050	134
38	DERANG TPP	1200	167

A. Central Genos	Utility	Capacity (MW)	(PLF @85%) ('000 Tonnes)
39	KAMALANGA TPS	1050	151
40	STERLITE TPP	600	90
41	BUDGE BUDGE TPS	750	87
42	HALDIA TPP	600	80
43	HIRANMAYE TPP	300	43
44	SOUTHERN REPL. TPS	135	20
45	AVANTHA BHANDAR	600	90
46	OP JINDAL TPS	1000	157
47	RAIKHEDA TPP	1370	336
48	MAHAN TPP	1200	159
49	SGPL TPP	1320	139
	TOTAL-IPPs	**45577**	**6222**

PITHEAD STATIONS			
A.State Gencos			
1	UPRVUNL	2630	341
2	CSPGCL	1340	208
3	MPPGCL	210	27
4	TSGENCO	1163	135
5	OPGCL	1740	288
	TOTAL-STATE SECTOR	**7083**	**999**
B.IPPs			
1	ANPARA C TPS	1200	153

No. FU-21/2020-FSC; CN:253974
Government of India
Ministry of Power

Shram Shakti Bhawan, Rafi Marg,
New Delhi, dated 28.04.2022

To,

1. Principal Secretaries/Secretaries (Power/Energy) of State Governments and UTs.
2. CMDs, Thermal Generating Stations (State GENCOs/IPPs) (As per the list)

Sub: Revised Import of Coal for blending purposes – reg.

Please refer to Ministry of Power's (MoP) letter dated 07.12.2021 regarding the import of coal for blending purpose during 2022-23 estimated @ 4% for Pithead and Non-Pithead stations.

2. The status of materialization of domestic coal, status of imported coal for blending purpose as well as coal stocks at Thermal power plants was reviewed by Hon'ble Minister of Power, New & Renewable Energy on 12.4.2022, in a meeting with Gencos.

3. In continuation to this Ministry's letter of even number dated 7.12.2021 and in view of the increasing demand and consumption of electricity, it has been decided that the thermal power plants owned by State Gencos and IPPs must import the coal for blending purpose to meet requirement at 10% of the total requirement, and ensure continuous power supply in the respective states.

4. To ensure minimum required coal stocks in power plants before onset of monsoon, it is necessary that placement of awards for importing coal for blending purpose is completed by 31.5.2022. All Gencos shall ensure delivery of 50% of allocated quantity by 30.06.2022, 40% by 31.08.2022 and remaining 10% by 31.10.2022. The requirements for blending at 10% is placed at Annexure-I for each of the Gencos.

(i.) State Gencos: 22.049 MT
(ii.) IPPs : 15.936 MT

5. States are also required to timely give clearance to IPPs, wherever required in PPA, for blending imported coal.

6. Procurement of imported coal must be done in a transparent manner to obtain competitive rates.

7. All the State Gencos and IPPs must also submit weekly Management Information System (MIS) report by every Friday to CEA and MoP about port wise indents placed, arrival and delivery of imported coal plant wise.

8. This issues with the approval of **Hon'ble Minister of Power & New and Renewable Energy.**

(S. Majumdar)
Under Secretary to the Government of India
Tel-Fax: 23356938

Copy to:

1. Secretary, Ministry of Coal
2. Chairman, Railway Board
3. Chairman, Central Electricity Authority
4. Chairman, Coal India Limited
5. DG, Association of Power Producers(APP)

Annexure-I

Estimated Quantity of Imported Coal for Blending-State and IPPs		
I. State Gencos		
Utility	**Capacity (MW)**	**Expected Req-Imported Qty (@10%) (TT)**
NON-PITHEAD STATIONS		
HPGCL	2510	904
PSPCL	1760	594
RRVUNL	3240	966
UPRVUNL	3499	1286
CSPGCL	1500	544
GSECL	4010	1345
MPPGCL	5190	1875
MAHAGENCO	9540	3464
APPDCL	1600	521
APGENCO	3410	1297
KPCL	5020	1591
TANGEDCO	4320	2194
TSGENCO	4080	1227
TVUNL	420	156
WBPDCL	4810	1586
TOTAL-STATE-NON-PITHEAD STATIONS	**54909**	**19551**
PITHEAD STATIONS		
UPRVUNL	2630	853
CSPGCL	1340	519
MPPGCL	210	68
TSGENCO	1162.5	337
OPGCL	1740	721
TOTAL-STATE-PITHEAD STATIONS	**7083**	**2498**
TOTAL-STATE GENCOS	**61992**	**22049**

II. Independent Power Produers (IPPs)

Name of Station	Capacity (MW)	Expected Req-Imported Qty (@10%) (TT)
NON-PITHEAD STATIONS		
MAHATMA GANDHI TPS	1320	400
GOINDWAL SAHIB TPP	540	190
RAJPURA TPP	1400	381
TALWANDI SABO TPP	1980	650
KAWAI TPS	1320	391
BARKHERA TPS	90	36
KHAMBARKHERA TPS	90	36
KUNDARKI TPS	90	34
LALITPUR TPS	1980	601
MAQSOODPUR TPS	90	35
PRAYAGRAJ TPP	1980	614
ROSA TPP Ph-I	1200	391
UTRAULA TPS	90	35
AKALTARA TPS	1800	573
BALCO TPS	600	211
BANDAKHAR TPP	300	106
BARADARHA TPS	1200	461
BINJKOTE TPP	600	224
NAWAPARA TPP	600	236
PATHADI TPP	600	195
TAMNAR TPP	2400	997
UCHPINDA TPP	1440	535
SABARMATI (D-F STATIONS)	362	103
ANUPPUR TPP	1200	388
BINA TPS	500	184
SEIONI TPP	600	190
AMRAVATI TPS	1350	416
DAHANU TPS	500	154
DHARIWAL TPP	600	201
GMR WARORA TPS	600	199
TIRORA TPS	3300	1080
WARDHA WARORA TPP	540	177
PAINAMPURAM TPP	1320	384
VIZAG TPP	1040	346
JOJOBERA TPS	240	82
MAHADEV PRASAD STPP	540	188
MAITHON RB TPP	1050	334

DERANG TPP	1200	417
KAMALANGA TPS	1050	377
VEDANTA TPP	600	225
BUDGE BUDGE TPS	750	217
HALDIA TPP	600	199
HIRANMAYE TPP	300	107
SOUTHERN REPL. TPS	135	50
AVANTHA BHANDAR	600	224
OP JINDAL TPS	1000	393
RAIKHEDA TPP	1370	840
MAHAN TPP	1200	399
SGPL TPP	1320	348
TOTAL-IPP-NON-PITHEAD PLANTS	**45577**	**15554**

PITHEAD STATIONS		
ANPARA C TPS	1200	382

TOTAL-IPPs	**46777**	**15936**

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Government of India
Ministry of Power
Fuel Supply Cell

Shram Shakti Bhawan,
New Delhi dated 01.08. 2022

To

1. **Principal Secretaries/Secretaries (Power/Energy) of State Governments and UTs**
2. **MDs of State GENCOs/IPPs**

Sub: Import of Coal for Blending purposes-reg 97/98

CPD-23011/49/2022-CPD-Part(1)

I am directed to refer to this Ministry's letter of even number dated 07.12.2021 advising State Gencos/IPPs to import coal for blending at 4% which was subsequently revised on 28.4.2022, advising State Gencos/IPPs to import 10% of the total requirement for blending, in the back drop of very high demand as compare to previous year, depleting coal stocks at power plants and projections by Ministry of Coal for supply of domestic coal.

2. Coal Stock position has been reviewed in the Ministry of Power. Coal stock position of State Gencos now vary significantly. Many States have stocks more than 50% of normative levels whereas many other States still have stocks near critical level.

3. In view of the above facts, it has been decided that now onwards, States/IPPs and Ministry of Coal may decide the blending percentage after assessing the availability of domestic coal supplies.

4. This issues with the approval of Hon'ble Minister for Power and NRE.

(Subhash Chand)
Under Secretary to the Govt of India

Copy to :-

1. Secretary, Ministry of Coal
2. Chairman, Railway Board
2. Chairman, CEA
3. Chairman, CIL

Copy also to:-
PS to HMoP/PS to HMoSP

F. No.23011/72/2013-CPD (Vol.II) Part (1)
Government of India
Ministry of Coal

Shastri Bhawan, New Delhi,
Date: 01.04.2022

OFFICE MEMORANDUM

Subject: -Minutes of 658th meeting of the Sub-Group constituted by Infrastructure Constraints Review Committee to look into the issues of critical power houses.

The undersigned is directed to forward herewith a copy of the minutes of 658 th meeting of the Sub-Group held on 30.03.2022 for reviewing the position of critical thermal power stations for information and necessary action.

Encl. as above

01/4/2022
(Pardeep Kumar)
Assistant Director

To

1. Sh. Vivek Kumar Dewangan, Additional Secretary, Ministry of Power,Shram Shakti Bhawan, New Delhi.
2. Sh. A. K. Shamsi, ED (Coal), Ministry of Railways (Railway Board), RailBhawan, New Delhi.
3. Sh. Vinay Kumar Prajapati, Director, Ministry of Shipping, TransportBhawan, New Delhi.
4. Sh. Manoj Kumar Upadhyay, SRO (Power & Energy), NITI Aayog, YojanaBhavan, New Delhi.
5. Shri Nitin Prakash, Deputy Director, CEA
6. Director (Marketing), CIL, Coal Bhawan, Newtown, Rajarhat, Kolkata-700156.
7. R.O, SCCL, 526, Hawa Singh Block, Khel Gaon, New Delhi.
8. Sh. Bhimsen, SM, CIL, Scope Minar, Laxmi Nagar, New Delhi.
9. Sh. Dileep Kumar, ED (Corp FM), NTPC, Room No. 124, R&D Building, A-8A, Sector- 24, Noida.
10. Sh. H R Mallick, Additional General Manager(Crop FM) , NTPC, R&DBuilding, A-8A, Sector-24, Noida.
11. Sh. R. Mishra, General Manager (S&M), CIL, Newtown, Rajarhat, Kolkata-700156.
12. CMDs of ECL/BCCL/CCL/NCL/SECL/MCL/WCL/SCCL.
13. Shri Rajeev Kumar, Director (MoP)

Copy to:
(i) PS to AS(VKT)
(ii) PS to JS (CPD)
(iii) PS to Dir. (CPD)

Copy to: Cabinet Secretariat (Under Secretary, CA-3)

Minutes of the Sub Group meeting held on 30.03.2022 to review Infrastructure Constraints

The meeting of the Sub-Group constituted by the Infrastructure Constraints Review Committee was held on 30.03.2022 through Video Conferencing. It was chaired by Joint Secretary-CPD, Ministry of Coal and attended by officials of MoC, MoP, Railway Board, CEA, SCCL, NTPC & some of the Gencos/IPPs, as well as CIL Kolkata/Subsidiaries HQ/CIL Delhi.

List of Participants is at ANNEXURE.

Supply of coal to power sector was reviewed and discussed in order to augment it further to Plants/Gencos having lesser coal stocks.

Subgroup Decisions on Coal Supply to Gencos. /Plants

S. No.	Genco/ Power Plant	Coal Company	Supply Plan / Supply as per Subgroup Decision Dtd: 22.03.22		Supply Plan as per Subgroup decision 30.03.22	Remarks
			Plan	Actual Supply		
1	DVC	ECL	3 Rakes	3.8 Rakes	3 Rakes	Railways to restrict excess supply from CCL and augment supply from MCL.
		BCCL	9 Rakes	10.3 Rakes	9 Rakes	
		CCL	5 Rakes	9.3 Rakes	5 Rakes	
		MCL	6 Rakes	1.7 Rakes	6 Rakes	
		Total	**23 Rakes**	**25.1 Rake**	**23 Rakes**	
2	NTPC & JV	ECL	11 Rakes	12.6 Rakes	11 Rakes	Overall stock of NTPC plants is depleting, Railways to make efforts to materialize supply as per plan. MGR supplies from SECL to be increased by NTPC & SECL.
		BCCL	5 Rakes	5 Rakes	5 Rakes	
		CCL	23 Rakes	20 Rakes	24 Rakes	
		NCL	15 Rakes	12 Rakes	15 Rakes	
		WCL	8 Rakes (Excl. RCR)	7 Rakes	8 Rakes (Excl. RCR)	
		SECL	2 Rakes	2.4 Rakes	3 Rakes	
		MCL	27 Rakes	24 Rakes	28 Rakes	
		Total	**91 Rakes**	**83 Rakes**	**94 Rakes**	
3	UPRVUNL	CCL	3 Rakes	1.9 Rakes	4 Rakes	Railways to increase supply from CCL & BCCL. The increased supply to go to Obra, Parichha & Harduaganj only. Genco to
		BCCL	3 Rakes	1.5 Rakes	3 Rakes	
		NCL	2.5 Rakes	2.5 Rakes	4 Rakes	
		Total	**8.5 Rakes**	**5.9 Rakes**	**11 Rakes**	

						expedite RCR lifting which has not yet commenced.
4	RRVUNL	NCL	5 Rakes	3.8 Rakes	5 Rakes	Road lifting from both the subsidiaries to be increased.
		SECL	3 Rakes	2.1 Rakes	3 Rakes	
		Total	**8 Rakes**	**5.9 Rakes**	**8 Rakes**	
5	GSECL	SECL	1.5 Rake 45,000Te - RCR mode	1.2 Rakes 46,000-RCR mode	1.5 Rake 45,000Te - RCR mode	Genco to complete all formalities to start supply from ECL as decided. Unloading issues being flagged by Railways regularly, to be addressed by Genco to improve turnaround time.
		WCL	4 Rakes	3.6 Rake	4 Rakes	
		ECL	2 Rakes	0 Rakes	2 Rakes	
		NCL	2 Rakes	1.8 Rakes	2 Rakes	
		Total	**9.5 Rakes+ RCR**	**6.6 Rakes + RCR**	**9.5 Rakes+ RCR**	
6	PSPCL	SECL	1 Rake	0.7 Rakes	1.0 Rake	
		CCL	1 Rake 1.5 Rake RCR	0.7 Rake 1 Rake RCR	1.0Rake 1.5 Rake RCR	
		BCCL	0.3 Rake	0.3	No prog. pending	
		Total	**3.8 Rake (Incl. RCR)**	**2.7 Rake (Incl. RCR)**	**3.5 Rake (Incl. RCR)**	
7	HPGCL	ECL	0.5 Rake	0.5 Rake	Prog. Exhausted	Railways to increase supply as per Subgroup plan. Genco to finalize transportation for RCR lifting immediately.
		BCCL	1 Rake	0.8 Rake	1 Rake	
		CCL	5 Rakes	3.6 Rake	5 Rakes	
		NCL	2 Rakes	1.6 Rake	2 Rakes	
		MCL	1 Rake	0.1 Rake	1 Rake	
		Total	**9.5 Rakes**	**6.6 Rake**	**9.0 Rakes**	
8	Mahagenco	WCL	15 Rakes	13.4 Rakes	15 Rakes	Genco to reduce perennial problems of unloading at its plants. Overall coal transportation from WCL to increase equivalent to at least 4 rakes/day.
		SECL	1 Rake	0 Rake	1 Rake	
		MCL	3 Rake	1.6 Rake	3 Rake	
		SCCL	3 Rakes	1.9 Rake	3 Rakes	
		Total	**22 Rakes**	**16.9 Rakes**	**22 Rakes**	
9	MPPGCL	SECL	8 Rakes (without RCR/Logistic)	4.8 Rakes 0.5 Rake	8 Rakes (without	Railway rake supplies needs to be

			2.5 Rake RCR	(RCR)	RCR/Logistic) 2.5 Rake RCR	augmented.
		WCL	3 Rake	2.2 Rakes	3 Rake	
		NCL	1.5 Rake	1.6 Rakes	1.5 Rake	
		Total	**15 Rakes (Incl. RCR)**	**9.1 Rakes (Incl. RCR)**	**15 Rakes (Incl. RCR)**	
10	TANGEDCO	MCL	16 Rakes (All RSR route) 3 Rakes (RCR)	11 Rakes 0.3 RCR	16 Rakes (All RSR route) 3 Rakes (RCR)	Railways to increase supply.
		SCCL	1 Rake	1 Rake	1 Rake	
		Total	**20 Rakes (Incl. RCR)**	**12.3 Rakes (Incl. RCR)**	**20 Rakes (Incl. RCR)**	
11	APGENCO & APPDCL	MCL	10 Rakes 4 Rakes-RCR	8.1 Rakes 0.9 Rakes	10 Rakes (6-RSR Rakes & 4 ARR Rakes) 4 Rakes-RCR (incl. 2 RSR rakes)	Unloading issues has to be addressed by the Genco.
		SCCL	7 Rakes	6.1 Rakes	7 Rakes	
		Total	**21 Rakes (Incl. RCR)**	**15.1 Rakes**	**21 Rakes (Incl. RCR)**	
12	KPCL	MCL	2 Rakes	2 Rakes	4 Rakes	Coal supply from MCL is against the regular FSA of WCL. Genco. to liquidate outstanding dues of Coal Cos.
		WCL	2 Rakes	1.7 Rake	2 Rakes	
		SCCL	7 Rakes	6.5 Rake	7 Rakes	
		Total	**11 Rakes**	**10.2 Rake**	**13 Rakes**	
13	WBPDCL	MCL	3 Rakes	3.3 Rake	3 Rakes	Plan may be adhered by coal companies only till 31.03.2022 after that, supply should as per the extant policy of tapering linkage.
		ECL	1 Rake	2.0 Rake	1 Rake	
		BCCL	1 Rakes	2.0 Rake	1 Rakes	
		Total	**5 Rakes**	**7.3 Rake**	**5 Rakes**	
14	CSPGCL	SECL	22,000 Belt	20,600 Belt	22,000 Belt	Supply to DPSM only through O/W.
15	Mahatma Gandhi/Jhajjar	CCL	2.0 Rakes	1.3 Rakes	2.0 Rakes	
		ECL	0.5 Rake	0 Rake	0.5 Rake	
		BCCL	1 Rake	0.7 Rake	1 Rake	
		NCL	0.3 Rake	0.3 Rakes	0.3 Rake	

		Total	**3.8 Rakes**	**2.3 Rakes**	**3.8 Rakes**	
16	Nabha Power	SECL	4.5 Rakes	1.8 Rakes	4.5 Rakes	Railways to increase supply of rakes from SECL.
		CCL	1.5 Rake – RCR	1 Rake - RCR	1.5 Rake – RCR	
		NCL	2 Rakes	1.1	2 Rakes	
		Total	**8.0 Rakes (Incl. RCR)**	**3.8 (Incl. RCR)**	**8.0 Rakes (Incl. RCR)**	
17	Talwandi Sabo	MCL	6.5 Rakes	4.5 Rakes	7.0 Rakes (3.0 from Talcher & 3.5 from IB)	Genco is required to increase lifting of coal in RCR mode.
		CCL	1.5 Rake (RCR)-	1 Rake	1.5 Rake (RCR)-	
		Total	**8 Rakes (Incl. RCR)**	**5.5 Rakes (Incl. RCR)**	**8.5 Rakes (Incl. RCR)**	
18	Kawai	NCL	2 Rake	0.6 Rakes	2 Rake	ACQ from NCL exhausted.
		SECL	1.5 Rake	1.0 Rake	1.5 Rake	
		TOTAL	**3.5 Rakes**	**1.6 Rakes**	**3.5 Rakes**	
19	Lalitpur	CCL	2 Rake 3 Rake (RCR)	1 Rakes 1.5 Rake (RCR)	2 Rake 3 Rake (RCR)	
		SECL	0.5 Rake	0.3 Rake	0.5 Rake	
		NCL	0.5 Rake	0.0 Rake	1.0 Rake	
		Total	**6.0 Rake (Incl. RCR)**	**2.8 Rake**	**6.5 Rake (Incl. RCR)**	
20	Prayagraj	NCL	4 Rakes 3 Rakes (RCR)	3.9 Rakes 1.8 Rakes	4 Rakes 3 Rakes (RCR)	Lifting through RCR needs to be increased as per plan.
		Total	**7.0 Rakes (Incl. RCR)**	**5.7 Rakes (Incl. RCR)**	**7.0 Rakes (Incl. RCR)**	
21	Bajaj Group	NCL	0.1 Rake 0.5 Rake RCR	0.3 Rake 0.5 Rake RCR	0.3 Rake 0.5 Rake RCR	
		Total	**0.6 Rake (Incl. RCR)**	**0.8 Rake (Incl. RCR)**	**0.8 Rake (Incl. RCR)**	
22	Rosa	CCL	3 Rakes	1.9 Rakes	3 Rakes	Less rakes supply because of less payment.
23	Unchpinda	SECL	1 Rake	0.2 Rake	1 Rake	
24	Balco TPS	SECL	**Plant under maintenance.**			

25	Dhariwal TPS	SECL	2 Rakes	1.2 Rakes	2 Rakes	Railways to increase supply.
26	Sabarmati	SECL	1.5 Rakes	1.1 Rake	1.5 Rake	
27	Seioni / Jhabua	SECL	0.25 Rakes	1 Rake	0.25 Rake	Railways to restrict excess supply to the plant.
28	Pathadi TPS	SECL	1 Rake	1.8 Rakes	0 Rake	No rake will be supplied till next review.
29	Anuppur (MB Power)	SECL	2 Rakes 8000 Te - RCR	2 Rakes – 8000 Te - RCR	2 Rake – 8000Te - RCR	
30	Baradhara TPS/DB Power	SECL	1 Rake	2.8 Rakes	1 Rake	Railways to restrict excess supply to the plant.
31	Akaltara TPS	SECL	2 Rake 1.5 Rake RCR	3.2 Rakes 0.8 Rake	2 Rakes 1.5 **Rake RCR**	
		MCL	1 Rake	1 Rake	1.5 Rake	
		Total	**4.5 Rakes**	**5 Rakes**	**5.0 Rakes**	
32	Bina	CCL	0.5 Rake	0.4 Rake	Prog exhausted	
		SECL	0.5 Rake (RCR)	0.5 Rake (RCR)	0.5 Rake (RCR)	
		Total	**1 Rake (Including RCR)**	**0.9 Rake (Incl. RCR)**	**0.5 Rake (Incl. RCR)**	
33	Amravati	SECL	5 Rakes – 3 Rakes (RCR)	3 Rakes 1.5 Rake (RCR	5 Rakes 3 Rakes (RCR)	Railways to supply 5 rakes/day consistently.
		Total	**8.0 Rakes (Incl. RCR)**	**4.5 Rakes (Incl. RCR)**	**8.0 Rakes (Incl. RCR)**	
34	Dahanu	SECL	10,500 RCR	7000 RCR	10,500 RCR	
35	Wardha Warora	WCL	**Coal Supply as per payment.**			
36	GMR Warora	SECL	2 rakes	1.2 Rakes	2 rakes	
37	Adani Tirora	SECL	7 Rakes	8.5 Rakes	7 Rakes	Railways to restrict excess supply.
38	Painampuram	MCL	3 Rakes (FSA)	3 Rakes (FSA)	3 Rakes (FSA)	
39	Tata Power Jojobera	CCL	1 Rake – RCR	1 Rake – RCR	1 Rake – RCR	
40	Mahadev Prasad/Adhunik Power	CCL	2 Rake	1.6 Rake	2 Rake	

41	Sterlite Energy/ Vedanta	MCL	No value paid rake pending	1 Rake	1.5 Rakes	
42	Haldia	MCL	3 Rakes	0.9 Rake	3 Rakes	Railways to augment supply as per plan.
43	GMR Kamalanga	MCL	1.5 Rakes	3 Rakes	1.5 Rakes	Railways to restrict excess supply
44	Hiranmaye TPS	MCL	2 Rake	1.3 Rake	3 Rakes	
45	CESC	ECL	1 Rake	1.4 Rake	1 Rake	
46	Binjkote	SECL	**No value paid rake is pending**			
47	Hinduja/Vizag TPS	MCL	3 rakes/day	1.5 Rake	3 rakes/day	Railways to augment supply as per plan.

- Railways to increase supply of NTPC & may cut WBPDCL and other excess movement to local plants.

ANNEXURE

Ministry of Coal

1. Smt. Vismita Tej, Joint Secretary (CPD)
2. Shri Mukesh Choudhary, Director (CPD)

Ministry of Power/CEA

1. Shri Nitin Prakash Director CEA
2. Shri Lokendra Singh, Dy. Director MOP
3. Shri. Aman Khare, Adl. Director CEA

Railway Board/ Zone

1. ED Coal Railways

SCCL

1. Shri J. Allwyn ED SCCL

Representatives of Power Plants

1. Shri Dilip Kumar, NTPC
2. Shri H R Mallick, NTPC
3. Chief Engineer, Tata Power
4. ED/ Chief Engineer, MAHAGENCO
5. Chief Engineer KPCL
6. Chief Engineer Rattan India
7. Chief Engineer Prayagraj
8. Chief Engineer PSPCL

9. Chief Engineer Adani Tirora
10. Chief Engineer MPPGCL
11. Chief Engineer Haldia/Dhariwal
12. Chief Engineer CSPGCL
13. Chief Engineer WBPDCL
14. Chief Engineer DVC
15. Chief Engineer Nabha Power
16. Chief Engineer HPGCL
17. Chief Engineer RRVUNL
18. Chief Engineer UPRVUNL
19. Chief Engineer Lanco
20. Chief Engineer Adhunik Power
21. Chief Engineer Talwandi Sabo, Sterlite
22. Chief Engineer APGNCO

Coal India Limited

1. Shri A.K Gupta, General Manager (M&S), CIL, Kolkata
2. Shri. Bhimsen Chief Manager (M&S) CIL New Delhi
3. GM/HoD (M&S)- ECL, BCCL, CCL, NCL, WCL, SECL, MCL

F. No.23011/72/2013-CPD (Vol.II) Part (1)
Government of India
Ministry of Coal

Shastri Bhawan, New Delhi,
Date: 13.05.2022

OFFICE MEMORANDUM

Subject: - Minutes of 664th meeting of the Sub-Group constituted by Infrastructure Constraints Review Committee to look into the issues of critical power houses.

The undersigned is directed to forward herewith a copy of the minutes of 663rd meeting of the Sub-Group held on 12.05.2022 for reviewing the position of critical thermal power stations for information and necessary action.

Encl. as above

Sujeet Kumar 13/5/22

(Sujeet Kumar)
Under Secretary to the Government of India

To

1. Sh. Vivek Kumar Dewangan, Additional Secretary, Ministry of Power,Shram Shakti Bhawan, New Delhi.
2. Sh. A. K. Shamsi, ED (Coal), Ministry of Railways (Railway Board), RailBhawan, New Delhi.
3. Sh. Vinay Kumar Prajapati, Director, Ministry of Shipping, TransportBhawan, New Delhi.
4. Sh. Manoj Kumar Upadhyay, SRO (Power & Energy), NITI Aayog, YojanaBhavan, New Delhi.
5. Shri Nitin Prakash, Deputy Director, CEA
6. Director (Marketing), CIL, Coal Bhawan, Newtown, Rajarhat, Kolkata-700156.
7. R.O, SCCL, 526, Hawa Singh Block, Khel Gaon, New Delhi.
8. Sh. Bhimsen, SM, CIL, Scope Minar, Laxmi Nagar, New Delhi.
9. Sh. Dileep Kumar, ED (Corp FM), NTPC, Room No. 124, R&D Building, A-8A, Sector- 24, Noida.
10. Sh. H R Mallick, Additional General Manager(Crop FM) , NTPC, R&DBuilding, A-8A, Sector-24, Noida.
11. Sh. A.K. Gupta, General Manager (S&M), CIL, Newtown, Rajarhat, Kolkata-700156.
12. CMDs of ECL/BCCL/CCL/NCL/SECL/MCL/WCL/SCCL.
13. CMD, TANGEDCO, RRVUNL, WBPDCL, APGENCO, GSECL, UPRVUNL, MAHAGENCO, HPGCL, KPCL

Copy to:
(i) PS to AS (VKT)
(ii) PS to JS (CPD)
(iii) PS to Dir. (CPD)
Copy to: Cabinet Secretariat (Under Secretary, CA-3)

Minutes of the Sub Group meeting held on 12.05.2022 to review Infrastructure Constraints

The meeting of the Sub-Group constituted by the Infrastructure Constraints Review Committee was held on 12.05.2022 through Video Conferencing. It was chaired by Joint Secretary, Ministry of Coal and attended by officials of MoC, MoP, Railway Board, CEA, SCCL, NTPC, DVC, State Gencos & IPPs, as well as CIL Kolkata/Subsidiaries HQ/CIL Delhi.

List of Participants is at ANNEXURE.

Supply of coal to power sector was reviewed and discussed in order to augment it further to Plants/Gencos having lesser coal stocks.

Subgroup Decisions on Coal Supply to Gencos. /Plants:

S. No.	Genco/ Power Plant	Coal Company	Supply Plan / Supply as per Subgroup Decision Dtd: 05.05.22		Supply Plan as per Subgroup decision 12.05.2022	Remarks
			Plan	Actual Supply		
1	**DVC**	ECL	3 Rakes	2.8 Rakes	4 Rakes	• DVC required starting lifting of coal allocated from Jharia field immediately through RCR mode. • CCL informs that coal value of additional offered qty. 1.20LT is yet to be deposited.
		BCCL	9 Rakes	7.5 Rakes	8 Rakes	
		CCL	5 Rakes	5.3 Rakes	5 Rakes	
		MCL	4 Rakes	3.8 Rakes	4 Rakes	
		Total	**21 Rakes**	**19.5 Rakes**	**21 Rakes**	
2	**NTPC & JV**	ECL	12 Rakes	12.3 Rakes	14 Rakes	
		BCCL	5 Rakes	3.7 Rakes	4 Rakes	
		CCL	23 Rakes	17.0 Rakes	20 Rakes	
		NCL	15 Rakes	16.3 Rakes	15 Rakes	
		WCL	8 Rakes	5.2 Rakes	8 Rakes	
		SECL	3 Rakes	1.8 Rakes	3 Rakes	
		MCL	28 Rakes	28.2 Rakes	28 Rakes	
		SCCL	3 Rakes	3.0 Rakes	3 Rakes	
		Total	**97 Rakes**	**87.5 Rakes**	**95 Rakes**	

3	**UPRVUNL**	CCL	5 Rakes	3.5 Rakes	5 Rakes	• NCL may give 2 rakes to Anpara after maintaining loading of 36-37 rakes /day for other Gencos. • Genco to increase RCR lifting.
		BCCL	4 Rakes	2.8 Rakes	4 Rakes	
		NCL	4 Rakes	4.2 Rakes	6 Rakes	
		Total	**13 Rakes**	**10.5 Rakes**	**15 Rakes**	
4	**RRVUNL**	NCL	5 Rakes	4.5 Rakes	4 Rakes	SECL informed that it will convert the Rail Quantity and offer 7.0 LT through RCR Mode.
		SECL	5 Rakes	4.8 Rakes	4 Rakes	
		Total	**10 Rakes**	**9.3 Rakes**	**8 Rakes**	
5	**GSECL**	ECL	2 Rakes	0 Rakes	2 Rakes	• Despatch from ECL is yet to start for RSR mode as Genco has not yet started lifting coal.
		NCL	1 Rakes	0 Rakes	1 Rakes	
		WCL	3 Rakes	1.8 Rake	3 Rakes	
		SECL	3.0 Rake 30,000Te -RCR mode	1.2 Rakes 15,000- RCR mode	3.0 Rake 30,000Te – RCR mode	
		Total	**9 Rakes+ RCR**	**3.0 Rakes + RCR**	**9.0 Rakes+ RCR**	
6	**PSPCL**	BCCL	1.5 Rake	0.7 Rake	1.5 Rake	• Genco may increase lifting through RCR mode from CCL equivalent to 2.5 Rakes/day.
		CCL	1.5 Rake 2.5 Rake RCR	1.5 Rake 1.5 Rake RCR	1.5 Rake 2.5 Rake RCR	
		SECL	1.5 Rake	1.3 Rakes	1.5 Rake	
		Total	**7.0 Rake (Incl. RCR)**	**5.0 Rake (Incl. RCR)**	**7.0 Rake (Incl. RCR)**	
7	**HPGCL**	ECL	0.5 Rake	0.5 Rake	0.5 Rake	• Genco asked to start lifting against allocated 2.0 LT coal.
		BCCL	1 Rake	1.2 Rake	1 Rake	
		CCL	4 Rakes	2.2 Rake	4 Rakes	
		NCL	2 Rakes	1.8 Rake	2 Rakes	
		MCL	1.5 Rake	0.5 Rake	1.5 Rake	
		Total	**9.0 Rakes**	**6.2 Rake**	**9.0 Rakes**	
8	**Mahagenco**	WCL	15 Rakes	12.7 Rakes	14 Rakes	• Outstanding dues of the Genco are
		SECL	1 Rake	1.0 Rake	1 Rake	

		MCL	3 Rake	2.0 Rake	3 Rake	increased and requested to make payment on priority. • Genco may increase road mode lifting from all 3 subsidiaries .i.e WCL, SECL & MCL.
		SCCL	3 Rakes	1.75 Rake	3 Rakes	
		Total	**22 Rakes**	**17.45 Rakes**	**21 Rakes**	
9	**MPPGCL**	NCL	3.0 Rake	2.3 Rakes	3.0 Rake	Genco is required to lift coal @10000/day in RCR.
		WCL	3.0 Rake	2.0 Rakes	2.0 Rake	
		SECL	9.0 Rakes (without RCR/Logistic) 2.5 Rake RCR	8.3 Rakes 0.5 Rake (RCR)	9.0 Rakes (without RCR/Logistic) 2.5 Rake RCR	
		Total	**17.5 Rakes (Incl. RCR)**	**13.1 Rakes**	**16.5 Rakes (Incl. RCR)**	
10	**TANGEDCO**	MCL	19 Rakes (All RSR route 16 Paradip & 3 Vizag) 3 Rakes (RCR)	14.0 Rakes (All RSR route 13.6 Paradip & 2 Vizag 0 Rake(RCR)	17 Rakes 3 Rakes (RCR)	Genco may start lifting within 2-3 days against 5.0 LT allocations through RCR mode.
		SCCL	1 Rake	1 Rake	1 Rake	
		Total	**23 Rakes (Incl. RCR)**	**15 Rakes (Incl. RCR)**	**21 Rakes (Incl. RCR)**	
11	**APGENCO & APPDCL**	MCL	10 Rakes (6-RSR Rakes & 4 ARR Rakes) 4 Rakes-RCR (incl. 2 RSR rakes)	8.0 Rakes 1.2 Rakes	10 Rakes (6-RSR Rakes & 4 ARR Rakes) 4 Rakes-RCR (incl. 2 RSR rakes)	RCR Lifting is very low @ 4800Te/day only. Genco may increase it to the level of 32000Te/day.
		SCCL	6.0 Rakes	4.5 Rakes	6.0 Rakes	
		Total	**20 Rakes (Incl. RCR)**	**13.7 Rakes**	**20 Rakes (Incl. RCR)**	
12	**KPCL**	WCL	2 Rakes	1.5 Rake	2 Rakes	• Genco is yet to start lifting against
		MCL	4 Rakes	2.7 Rakes	3 Rakes	

		SCCL	8 Rakes	5.5 Rake	8 Rakes	allocation of 4.5 LT Coal.
		Total	**14 Rakes (+3 rakes from their captive block)**	**9.7 Rake**	**13 Rakes (+3 rakes from their captive block)**	• Sufficient indent to be placed at Krishnapatnnam Port where 1.62 Lt stock is awaiting despatch.
13	**WBPDCL**	ECL	0	0 Rake	0.5 Rake	
		BCCL	0	0 Rake	0.5 Rake	
		MCL	2.0 Rake	0 Rake	2.0 Rake	
		Total	**2.0 Rake**	**0 Rake**	**3.0 Rake**	
14	**CSPGCL**	SECL	24,000 Belt 1 IR Rake	16,000 Te. Belt 1.2 Rake	24,000 Belt 1 IR Rake for DSPM plant	
15	**Mahatma Gandhi/ Jhajjar**	ECL	0.3 Rake	0.3 Rake	0.3 Rake	
		BCCL	0.6 Rake	0.8 Rake	0.6 Rake	
		CCL	2.0 Rakes	0.2 Rakes	2.0 Rakes	
		NCL	0.2 Rake	0.5 Rakes	0.2 Rake	
		Total	**3.1 Rakes**	**1.8 Rakes**	**3.1 Rakes**	
16	**Nabha Power**	CCL	1.5 Rake – RCR	0.6 Rake - RCR	1.5 Rake – RCR	
		NCL	1 Rakes	0.3 Rake	1 Rakes	
		SECL	2.5 Rakes	1.8 Rakes	1.5 Rakes	
		Total	**5.0 Rakes (Incl. RCR)**	**2.7 Rake (Incl. RCR)**	**4.0 Rakes (Incl. RCR)**	
17	**Talwandi Sabo**	CCL	1.75 Rake (RCR)	2 Rake (RCR)	1.75 Rake (RCR)	Detention time is very high. Genco to take appropriate action in the matter.
		NCL	0	0	0.5 Rake	
		MCL	8.0 Rakes	5.3 Rakes	7.0 Rakes	
		Total	**9.75 Rakes (Incl. RCR)**	**7.3 Rakes (Incl. RCR)**	**9.25 Rakes (Incl. RCR)**	
18	**Kawai TPP**	NCL	2 Rakes	1.8 Rakes	2 Rakes	
		SECL	1.5 Rakes	1.2 Rake	1.5 Rakes	

		TOTAL	**3.5 Rakes**	**3.0 Rakes**	**3.5 Rakes**	
19	**Lalitpur**	CCL	2 Rake 3 Rake (RCR)	2.0 Rakes 2.5 Rake (RCR)	2 Rake 3 Rake (RCR)	Lifting through RCR mode needs to be increased.
		NCL	1 Rake	0.7 Rake	1 Rake	
		SECL	0.5 Rake	0.5 Rake	0.5 Rake	
		Total	**6.5 Rake (Incl. RCR)**	**5.7 Rake(Incl. RCR)**	**6.5 Rake (Incl. RCR)**	
20	**Prayagraj TPP**	NCL	3 Rakes 3 Rakes (RCR)	3.5 Rakes 1.0 Rakes	3 Rakes 3 Rakes (RCR)	
		Total	**6 Rakes (Incl. RCR)**	**4.5 Rakes (Incl. RCR)**	**6 Rakes (Incl. RCR)**	
21	**Bajaj Group**	NCL	0.3 Rake 0.5 Rake RCR	0.2 Rake 0.1 Rake (RCR)	0.3 Rake 0.5 Rake RCR	
		Total	**0.8 Rake (Incl. RCR)**	**0.3 Rake Incl. RCR**	**0.8 Rake (Incl. RCR)**	
22	**Rosa TPP**	CCL	4.0 Rakes	4.0 Rakes	4.0 Rakes	
23	**Unchpinda**	SECL	1.0 Rake	1.0 Rake	1.0 Rake	
24	**Balco TPS**	SECL	Plant under maintenance			
25	**Dhariwal TPS**	SECL	2 Rakes	1.4 Rakes	1.5 Rakes	
26	**Sabarmati**	SECL	1.5 Rake	1.0 Rake	1.0 Rake	
27	**Seioni / Jhabua**	SECL	1.0 Rake	1.2 Rake	1.0 Rake	
		MCL	1.0 Rake	0.5 Rake	1.0 Rake	
		Total	**2.0 Rake**	**1.7 Rake**	**2.0 Rake**	
28	**Pathadi TPS**	SECL	1.0 Rake	1.0 Rake	0.5 Rake	Genco to increase RCR lifting.
29	**Anuppur (MB Power)**	SECL	1 Rake – 8000Te - RCR	1.3 Rake – 4500Te - RCR	1.5 Rake – 8000Te - RCR	
		Total	3 Rake (Incl. RCR)	2.3 Rake (Incl. RCR)	**1.5 Rake**	

30	**Baradhara TPS/DB Power**	SECL	2 Rake	1.7 Rake	2 Rake	
31	**Akaltara TPS**	SECL	3.5 Rake 1.5 Rake RCR	2.6 Rakes 1.2 Rake	3.5 Rake 1.5 Rake RCR	Genco may increase RCR lifting.
		MCL	1.5 Rake	1 Rake	1.5 Rake	
		Total	**6.5 Rake Incl. RCR**	**4.8 Rake**	**6.5 Rake Incl. RCR**	
32	**Bina**	CCL	0.5 Rake	0.2 Rake	0.5 Rake	
		SECL	0.5 Rake (RCR)	0.75 Rake RCR	0.5 Rake (RCR)	
		Total	**1.0 Rake (Incl. RCR)**	**0.85 Rake (Incl. RCR)**	**0.5 Rake**	
33	**Amravati**	SECL	3 Rakes 2 Rakes (RCR)	3.2 Rake 0.3 Rake (RCR)	3 Rakes 2 Rakes (RCR)	
		Total	**5 Rakes (Incl. RCR)**	**3.5 Rakes (Incl. RCR)**	**5 Rakes (Incl. RCR)**	
34	**Dahanu**	SECL	10,500 RCR	6500 Te (RCR)	10,500 RCR	
35	**Wardha Warora**	WCL	Coal Supply as per payment.			
36	**GMR Warora**	SECL	1.0 rakes	0.7 Rakes	1 rake	
37	**Adani Tirora**	SECL	7 Rakes	6.7 Rakes	7 Rakes	**0.6 MT linkage under Shakti in MCL accordingly 0.5 rake/day from MCL may be supplied.**
		WCL	2 Rakes (RCR)	2.0 Rakes (RCR)	2 Rakes (RCR)	
		MCL	**0 Rake**	**0 Rake**	**0.5 Rake**	
		Total	**9 Rakes (Incl RCR)**	**9.4 Rake (Incl RCR)**	**9.5 Rakes (Incl RCR)**	
38	**Painampuram**	MCL	3 Rakes (FSA) 0.4 Rake for SGPL	3.0 Rakes	3 Rakes (FSA) 0.4 Rake for SGPL	
39	**Tata Power Jojobera**	CCL	1 Rake – RCR	0.3 Rake – RCR	1 Rake – RCR	
40	**Mahadev Prasad/Adhunik Power**	CCL	1 Rake	1.3 Rake	1 Rake	
41	**Sterlite Energy/**	MCL	2 Rake	1.3 Rake	2 Rake	

	Vedanta					
42	**Haldia**	MCL	2.5 Rakes	2.8 Rake	2.0 Rakes	
43	**GMR Kamalanga**	MCL	3.0 Rakes	3.3 Rakes	3.0 Rakes	
44	**Hiranmaye TPS**	MCL	2 Rake	1.5 Rake	1 Rake	
45	**CESC**	ECL	1.0 Rake	0.8 Rake	1 Rake	
46	**Binjkote**	SECL	No value paid rake is pending			
47	**Hinduja/Vizag TPS**	MCL	3 rakes/day	2.0 Rake	2.5 rakes/day	Railway reported unloading constraints at GSS Sidinngs by the plant.
48	**GVK**	CCL	3.9 LT coal quantity booked in current month by the Plant.			
49	**NTPL**	MCL	2 Rake	1.7 Rake	2 Rake	
50	**TS Genco**	SCCL	6 Rakes	6 Rakes	6 Rakes	
51	**Singareni Tpp**	SCCL	4.5 Rakes	2.5 Rakes	4.5 Rakes	
52	**DPL**	ECL BCCL MCL **TOTAL**	0.3 Rake 0.5 Rake 0.5 Rake **1.3 Rakes**	0.8 Rake 0.5 Rake 0.3 Rake **1.6 Rakes**	0.3 Rake 0.5 Rake 0.5 Rake **1.3 Rakes**	
53	**Tenughat**	CCL	2.0 Rakes	1.7 Rakes	2.0 Rakes	
54	**Avantha Bhandar**	MCL	1 Rakes 1 RCR	1 Rakes	1 Rakes 1 RCR	

Annexure

List of participants

Ministry of Coal

1. Sh. B. P. Pati, Joint Secretary
2. Sh. Mukesh Choudhary, Director-CLD

Ministry of Power/CEA

1. Shri VK Dewangan, Adl. Secretary
2. Shri Anurag Diwari, CEA

Railway Board/ Zone

1. Shri. A.K. Shamsi, ED Coal, Railways

Representatives of Power Plants/Gencos

1. Shri Sanjay Kumar Shose, ED (Fuel), DVC
2. Shri H R Mallick, NTPC
3. Shri. Antony Raja, Director (coal),Apgenco
4. Shri. R.P. Burde, ED(Coal), MAHAGENCO
5. Technical Director, KPCL
6. Shri Rajesh Kumar, Rattan India
7. Shri K R Bairwa, Prayagraj
8. Shri. Sarvajit Singh, PSPCL
9. Shri Jitesh Pal, Adani Tirora/Kawai/Avantha Bhandar
10. Shri Rajeev Srivastava, CE, MPPGCL
11. Chief Engineer, RRVUNL
12. Executive Director (FM), CSPGCL
13. Shri D. S. Nag, GM, WBPDCL
14. Shri Saurabh Patel, Nabha Power
15. Chief Engineer, Tengedco
16. Shri Pravin Katre,, Talwandi Sabo, Sterlite
17. Chief Engineer, Mahatma Gandi TPS
18. Capt. Vikram, Painapuram TPS
19. Shri Sunil Gupta, Jhabua Power
20. Shri.Ankush Jain, LalitPur
21. Shri. Vikrant Aggarwal, Pathadi TPP
22. Shri PM Patel, CE (Fuel), GSECL
23. Shri Madan Gupta, Jaiprakash Power
24. Shri Sunil Saharan, Jaypee Bina
25. Shri Lalit Joshi, Annupur (MB Power)
26. MD, UPRVUNL
27. Shri. S. N Lahiri, GM(Fuel), CESE
28. Shri. Rakesh Bhadoriya, Tata Power
29. Shri Varun Moris , V.P, Haldia/Dhariwal

Coal India Limited

1. B Veera Reddy, Director-Marketing, CIL
2. Shri A.K Gupta, General Manager (M&S), CIL, Kolkata
3. Shri Bhimsen, Chief Manager (M&S) CIL New Delhi
4. GM/HoD(M&S)- ECL, BCCL, CCL, NCL, WCL, SECL, MCL

JPP/287/2022
Dt.30.12.2022

The Secretary
Jharkhand State Electricity Regulatory Commission
1st Floor, Jharkhand Housing Board Headquarter (Old Building)
Harmu Housing Colony, Ranchi-834002

Subject: Submission of Report on Fuel Mix for Q2 FY 2022-23

Sir,

This is in reference to the Tariff Order dated 04.11.2022 in Case Tariff No. 10 of 2020 and Tariff Order dated 14.02.2020 in Case Tariff No. 1 of 2019 and the earlier Tariff Order dated 27.12.2019 in Case Tariff No. 05 of 2018, wherein Hon'ble Commission directed Tata Power to submit quarterly report with regard to variations in Coal Mix compared to what had been approved along with reasons for the same. Directive of the Hon'ble Commission in this regard is reproduced below for ready reference:

"A 9: DIRECTIVES

Fuel Mix

9.3 The Commission has observed that due to various reasons, the Petitioner has procured coal from sources other than what had been approved. Such variations lead to a change in the fuel mix and the landed cost. The Petitioner is directed to bring to the notice of the Commission any such changes with regard to coal mix with proper justification on Quarterly basis. Further, the Petitioner is directed to carry out techno-commercial audit to identify the reasons for high energy charge and submit the report within six months of issuance of this Order."

"

In view of the above directive, Tata Power hereby in the enclosed Appendix is providing the fuel mix report of Q2 FY 2022-23 for kind consideration of the Hon'ble Commission.

Thanking you,

Yours Sincerely,

(Jagmit Singh Sidhu)
CEO-IEL & Chief - Jamshedpur Operation

Enclosure: Appendix.

TATA POWER
The Tata Power Company Limited
Jojobera Power Plant, Jamshedpur - 831016
Tel 91 657 2276879, 6511543
Registered Office Bombay House 24 Homi Mody Street Mumbai 400 001

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ANNEXURE-A

Quarterly Report on the Fuel Mix – (July-Aug-Sep -2022)

1. The Hon'ble Commission in the Tariff Order dated 04.11.2022 in Case Tariff No. 10 of 2020, Tariff Order dated 14.02.2020 in Case Tariff No. 1 of 2019 and in earlier Tariff Order dated 27.12.2019 in Case Tariff No. 05 of 2018 directed Tata Power to submit quarterly report with regard to variations in Coal Mix compared to what had been approved along with reasons for the same. Directive of the Hon'ble Commission in this regard is reproduced below for ready reference:

   "A 9: DIRECTIVES

   Fuel Mix

   9.3 The Commission has observed that due to various reasons, the Petitioner has procured coal from sources other than what had been approved. Such variations lead to a change in the fuel mix and the landed cost. The Petitioner is directed to bring to the notice of the Commission any such changes with regard to coal mix with proper justification on Quarterly basis. Further, the Petitioner is directed to carry out techno-commercial audit to identify the reasons for high energy charge and submit the report within six months of issuance of this Order."

2. In view of the above directive, Tata Power vide the instant submission is submitting the actual fuel Mix for the period July 2022 to September 2022, i.e., Quarter 2 (Q2) of FY 2022-23, highlighting the deviations from the approved coal mix in MYT Order dated 04.11.2022 for FY 2022-26 and reasons for the same for kind perusal and consideration of the Hon'ble Commission.

3. In view of above, a summary of, proposed fuel mix and actual fuel mix for Unit 2 and Unit 3 is presented below for Q2 FY 2022-23 for kind perusal and consideration of the Hon'ble Commission:

Unit	Unit 2 Jul 22-Sep 22		Unit 3 Jul 22-Sep 22	
Particulars	Approved in MYT Order	Actual	Approved in MYT Order	Actual
Middling	21.84%	13.44%	19.59%	18.07%
ECL Shakti	6.42%	1.81%	6.60%	8.20%
MCL Shakti	13.95%	10.57%	14.35%	17.18%
CCL Shakti	14.49%	8.61%	14.90%	9.27%
CCL Shakti R3	43.31%	12.66%	44.56%	9.97%
CCl Shakti (WIV)	-	44.43%	-	28.54%
CCL SFA Coal	-	8.49%	-	8.78%
Total	100.00%	100.00%	100.00%	100.00%
PLF	85%	81.43%	85%	90.43%

4. The deviations (actual vis-à-vis proposed coal mix) as shown above is mainly due to combined effect of following factors which were beyond the control of Tata Power:
   (a) Increase in Demand of Distribution Licensee compared to initial estimation, thus, requiring more coal than initially projected for meeting the increased demand.

(b) Supply of CCL allocations under RCR mode in terms of Sub-Group Decision on Coal Supply to Gencos. /Plants leading to low materialization of CCL Shakti Coal.
(c) Less supply of middling coal from West Bokaro Collieries in view of non-availability of surplus coal
(d) Consumption of CCL Special Forward Auction Coal (SFA) coal which was procured earlier in wake of coal crisis across the nation and for building sufficient coal stock considering upcoming monsoon season which anyways would affect/hamper regular coal supply from coal mines to Gencos.

5. The above reasons are discussed in detail hereunder:

6. With respect to point (a), it is submitted that actual PLF for Unit 2 and Unit 3 for Q2(FY 22-23) is about higher compared to initial projection of 85% in Unit 2 and 82% in Unit 3 respectively. Therefore, to meet the increased demand, Tata Power was required to source additional coal causing variation in the fuel mix. In this context, it is further submitted that the linkage under shakti coal is only sufficient corresponding to PLF of 75% and, hence, the balance coal has to be arranged from alternate sources including Middling Coal. The above fact was also highlighted by the Petitioner in the MYT Petition and has also been acknowledged by the Hon'ble Commission in the MYT Order dated 04.11.2022. The Hon'ble Commission may further appreciate that demand of a distribution licensee is beyond the control of Generating Station and, hence, the above variations is beyond the control of Generating Station.
7. With respect to point (b), it is submitted that in series of directions/notifications of Ministry of Power (MoP) starting from 7.12.2021, it has stressed upon the Generating Companies to import coal considering the increase in demand and also supply from Coal India Limited not being commensurate with the requirements of thermal power plants. It is pertinent to mention that the situation of inadequate coal/depleted coal stocks at Power Stations was at peak during the 1st Quarter of FY 22-23 and same is evident from the fact that MoP increased the blending ratio of Imported coal from 4% as advised in advisory dated 07.12.2021 to 10% in Advisory issued dated 28.04.2022 and, thereafter, issuing directions u/s 11 of the Electricity Act for import of coal. The situation has only started improving slowly from month of July 2022 and, accordingly, MoP on 1st August onwards has left IPPs to decide on import of coal after assessing the availability of domestic coal supplies. Advisory issued by MoP dated 7.12.2021, 28.04.2022 and 01.08.2022 is enclosed herewith and marked as **Annexure-1.**
8. It is established, from the above, that there was coal shortage across nation and domestic coal supplies are not able to match the demand. GoI has also recognized the above crisis, thereby, issued various directions to the generating companies for undertaking appropriate steps.
9. In this regard, it is further submitted that the Sub-Group constituted by the Infrastructure Constraints Review Committee comprising of members from MoP, MoC, Railways, CEA, CIL and officials from Generating companies during the weekly review meeting on supply of coal to power sector and supply plan to augment the coal stock at Plants/Gencos having lesser coal stock, has recommended a maximum of 1 Rake in RCR mode from CCL to Jojobera Units 2&3. Sample Minutes of the Sub-Group weekly meetings are enclosed herewith and marked as **Annexure-2** wherein supply plan from CCL to Jojobera plant is indicated as 1 rake RCR.
10. Thus, from above, it is established that in wake of nationwide coal crisis and to meet the bare minimum coal requirement at all Gencos/Power Plant, coal supply from CCL to Jojobera unit was

constrained to be supplied under Road cum Rail (RCR) mode only. The above restriction has, thus, impacted the actual coal materialization of CCL Shakti coal, lead to supply of CCL WIV Coal and thereby impacted overall coal cost which is beyond the control of Tata Power.

11. Moreover, it is stated that the sourcing of Imported coal could have impacted the Energy Charge Rate severely, however, with all proactive measures, petitioner was able to manage its coal requirements through CIL or E-Auction Coal which is also organized by CIL thereby arresting the overall increase in coal cost.
12. With regard to point(c), it is submitted that in view of non-availability of surplus coal considering constraints at their end, West Bokaro Collieries was not in a position to supply coal for IPP Units 2&3 of Jojobera Power Plant in FY 22-23 as envisaged in the MYT Business Plan for meeting the coal requirement over and above the SHAKTI Coal and the same was beyond the control of the Petitioner. However, in Q2 of FY 22 few rakes of middling coal have been supplied for maintaining sustained generation from Unit 2 & 3.
13. As stated in Q1 report, considering constraints as enumerated above and to have sufficient coal stock for upcoming monsoon season, Tata Power, after taking due consent from TSL distribution licensee, participated in Special Forward e-auction conducted by MSTC Ltd on 15.02.2022 for procurement of Additional Coal. Tata Power was successfully awarded about 1.28 Lakh ton of coal from CCL. Against the allotted quantity, most of the coal has been lifted and consumed in Q1 of FY 2022-23 and remaining has been mostly lifted and consumed in Q2 of FY 2022-23.

Impact on Energy Charge Rate:

14. Pursuant to change in fuel mix due to reasons stated above, the Petitioner assessed the deviations in the Energy Charge Rate for Q2 of FY 2022-23 compared to the ECR approved in the MYT Order for FY 2022-23. Such deviations have been categorized under following heads:
    (a) Variation due to change in GCV/Price of the approved sources which has led to the increase in the coal cost and, hence, such increase/decrease is basically on account of market forces/ recommendation of subgroup which is beyond the control of the Petitioner which is beyond the control of the Petitioner.
    (b) Variation due to change in fuel mix for reasons as stated above.

15. Difference in ECR for Q2 FY 2022-23 compared to ECR approved in the MYT Order for FY 22-26 and effect on ECR due to each of the factor as stated above have been demonstrated in the Table below for kind perusal of the Hon'ble Commission. The detailed workings for the same have been enclosed in **ANNEXURE-3** of the instant submission for kind reference of the Hon'ble Commission. For instant submission, Transit loss has been considered at the Normative Level and, hence, impact of the same on the Energy Charge Rate is nil for the instant submission. However, Tata Power shall update the actual Transit Loss figures at the time of true-up. Similarly, Specific Secondary fuel oil consumption has been considered at the normative level of 0.5 ml/kWh, as stated in Generation Tariff Regulation 2020.

Unit 2:

	Particulars - Unit 2				
Sl.No	**Period**	**Jul 22-Sep 22**			
1	Fuel Mix (In terms of Quantity)	UoM	Approved in MYT Order	Actual (w/o change in fuel mix)	Actual
	Non-SHAKTI Coal	%	21.81%	21.81%	21.92%
	SHAKTI Coal	%	78.19%	78.19%	78.08%
2	Weighted Avg. GCV_{NS} Coal	kCal/Kg	3861	4177	3633
	Weighted Avg. LP_{NS} Coal	Rs/MT	4223	5456	4669
	Weighted Avg. GCV_{S} Coal	kCal/Kg	3816	3592	3723
	Weighted Avg. LP_{S} Coal	Rs/MT	3587	3560	3951
	Weighted Avg. GCV_{EFF} Coal	kCal/Kg	3825	3719	3703
	Weighted Avg. LP_{EFF} Coal	Rs/MT	3725	3973	4109
	Weighted Avg. GCV_{LDO}	KCal/L	9100	10339	10339
	Weighted Avg. LP_{LDO}	Rs/KL	45198	70601	70601
3	ECR_{NS} Coal	Rs/kWh	3.059	3.653	3.594
4	ECR_{S} Coal		2.629	2.771	2.968
5	ECR_{EFF} Coal		2.724	2.987	3.103
6	ECR_{LDO}		0.025	0.039	0.039
7	Discount due to SHAKTI Coal		0.044	0.043	0.035
8	$ECR_{EFF\ (WITH\ SHAKTI\ Discount)}$		2.705	2.983	3.107
9	$ECR_{ACTUAL-PROPOSED}$	Rs/kWh			0.402
	i - Variation due to Change in GCV/Price of Coal				0.278
	ii - Variation due to Change in Fuel Mix of Coal				0.124

Unit 3:

	Particulars - Unit 3				
Sl.No	**Period**	**Jul 22-Sep 22**			
1	Fuel Mix (In terms of Quantity)	UoM	Proposed in MYT Petition	Actual (w/o change in fuel mix)	Actual
	Non-SHAKTI Coal	%	21.80%	21.80%	26.85%
	SHAKTI Coal	%	78.20%	78.20%	73.15%
2	Weighted Avg. GCV_{NS} Coal	kCal/Kg	3860	4180	3738
	Weighted Avg. LP_{NS} Coal	Rs/MT	4223	5465	4771
	Weighted Avg. GCV_{S} Coal	kCal/Kg	3817	3613	3766
	Weighted Avg. LP_{S} Coal	Rs/MT	3713	3592	3894

	Weighted Avg. GCV_{EFF} Coal	kCal/Kg	3826	3736	3758
	Weighted Avg. LP_{EFF} Coal	Rs/MT	3824	4000	4129
	Weighted Avg. GCV_{LDO}	KCal/L	9100	10451	10451
	Weighted Avg. LP_{LDO}	Rs/KL	45196	71175	71175
3	ECR_{NS} Coal	Rs/kWh	3.060	3.656	3.569
4	ECR_{S} Coal		2.722	2.780	2.891
5	ECR_{EFF} Coal		2.796	2.994	3.072
6	ECR_{LDO}		0.025	0.039	0.039
7	Discount due to SHAKTI Coal		0.044	0.039	0.032
8	$ECR_{EFF\ (WITH\ SHAKTI\ Discount)}$		2.777	2.994	3.079
9	$ECR_{ACTUAL-PROPOSED}$	Rs/kWh			0.303
	i - Variation due to Change in GCV/Price of Coal				0.217
	ii - Variation due to Change in Fuel Mix of Coal				0.086

16. As evident from above Tables, Net ECR for Q1 FY 2022-23 has increased by 40.20 Paise/kWh in Unit 2 and by 30.30 Paise/kWh in Unit 3 respectively compared to approved. Moreover, against increase of 40.20 Paise/kWh in Unit 2 and 30.30 Paise/kWh in Unit 3, 27.8 Paise/kWh & 21.7 Paise/kWh respectively is mostly due to increase in (Rs/MkCal) of Shakti Coal which is mainly due to supply of SHAKTI Coal in RCR mode as for reasons as elaborated above and increase of 12.4 Paise/kWh & 8.6 Paise/kWh respectively is due to change in Fuel Mix for reasons as explained above.
17. In view of foregoing, the Petitioner most humbly prays before this Hon'ble Commission to kindly consider the actual fuel mix for the 2nd Quarter of FY 2022-23 for Unit 2 and Unit 3.

Annexure -1

No. FU-21/2020-FSC(Vol-IV)
Government of India
Ministry of Power

Shram Shakti Bhawan, Rafi Marg,
New Delhi, dated 07.12.2021

To,

CMDs, Thermal Generating Stations (State GENCOs/IPPs) (As per the list)

Sub: Import of Coal for blending purposes – reg.

Due to increase in demand and consumption of electricity, the share of coal-based generation has increased. As a consequence, the total coal consumption has increased in the power plants. However, the supply of coal from CIL is not commensurate with the requirements of thermal power plants. Hence, the coal stocks available with the plants are still low.

2. In the present scenario where demand is increasing and domestic coal is meeting the demand of power plants only partially, the need of import for blending purpose has arisen and Gencos need to import coal for blending. CEA has already issued letters to all gencos in this regard for making efforts for importing coal for upto 10% blending purpose so that they are able to maintain adequate coal stocks during July-Oct every year as coal supplies from CIL gets affected adversely during these months. MoP has also issued an advisory on 20.10.2021 to all the coal-based stations to maintain their coal stocks as per their obligations and to ensure full availability of their plants to meet the electricity demand as per the requirements in the grid. It was also advised that if the domestic coal supplies fall short of the requirements, they may blend with imported coal upto 15 percent.

3. Keeping the above in view , the requirement of imported coal for blending purpose during 2022-23 has been estimated. Imported coal required for blending @ 4% for State Gencos and IPPs for Pithead and Non-Pithead stations are given at **Annexure-I**.

4. The State Gencos and IPPs are advised to take necessary action immediately to import and arrange the quantity as annexed above by May, 2022 i.e. before the

onset of rainy season to avoid critical coal stocks , and build up the coal stocks under intimation to MoP and CEA.

5. This issues with the approval of Hon'ble Minister for Power & NRE.

Encl: As above

(S.Majumdar)
Under Secretary to the Govt. of India
Tel – 2335-6938

Copy to:

1. Chairman, Central Electricity Authority
2. Principal Secretaries/Secretary(Power/Energy) of all State Governments/ UTs
3. DG, Association of Power Producers(APP)

Annexure-I

COAL REQUIREMENT FOR BLENDING-2022-23

Estimated Quantity for blending @ 4%

A. Central Genos	Utility	Capacity (MW)	(PLF @85%) ('000 Tonnes)
	NON-PITHEAD STATIONS		
A. State Gencos			
1	HPGCL	2510	362
2	PSPCL	1760	238
3	RRVUNL	3240	386
4	UPRVUNL	2839	417
5	CSPGCL	1500	218
6	GSECL	4010	538
7	MPPGCL	5190	750
8	MAHAGENCO	9540	1386
9	APPDCL	1600	208
10	APGENCO	3410	519
11	KPCL	5020	636
12	TANGEDCO	4320	878
13	TSGENCO	3810	454
14	TVUNL	420	63
15	WBPDCL	5290	706
	Total-State Gencos	**54459**	**7758**
B. IPPs			
1	MAHATMA GANDHI TPS	1320	160
2	GOINDWAL SAHIB TPP	540	76
3	RAJPURA TPP	1400	153
4	TALWANDI SABO TPP	1980	260
5	KAWAI TPS	1320	156
6	BARKHERA TPS	90	14
7	KHAMBARKHERA TPS	90	14
8	KUNDARKI TPS	90	14
9	LALITPUR TPS	1980	241
10	MAQSOODPUR TPS	90	14
11	PRAYAGRAJ TPP	1980	246
12	ROSA TPP Ph-I	1200	156
13	UTRAULA TPS	90	14
14	AKALTARA TPS	1800	229
15	BALCO TPS	600	84
16	BANDAKHAR TPP	300	42
17	BARADARHA TPS	1200	184
18	BINJKOTE TPP	600	90
19	NAWAPARA TPP	600	94
20	PATHADI TPP	600	78
21	TAMNAR TPP	2400	399
22	UCHPINDA TPP	1440	214
23	SABARMATI (D-F STATIONS)	362	41
24	ANUPPUR TPP	1200	155
25	BINA TPS	500	73
26	SEIONI TPP	600	76
27	AMRAVATI TPS	1350	167
28	DAHANU TPS	500	62
29	DHARIWAL TPP	600	80
30	GMR WARORA TPS	600	80
31	TIRORA TPS	3300	432
32	WARDHA WARORA TPP	540	71
33	PAINAMPURAM TPP	1320	154
34	VIZAG TPP	1040	138
35	JOJOBERA TPS	240	33
36	MAHADEV PRASAD STPP	540	75
37	MAITHON RB TPP	1050	134
38	DERANG TPP	1200	167

A. Central Genos	Utility	Capacity (MW)	(PLF @85%) ('000 Tonnes)
39	KAMALANGA TPS	1050	151
40	STERLITE TPP	600	90
41	BUDGE BUDGE TPS	750	87
42	HALDIA TPP	600	80
43	HIRANMAYE TPP	300	43
44	SOUTHERN REPL. TPS	135	20
45	AVANTHA BHANDAR	600	90
46	OP JINDAL TPS	1000	157
47	RAIKHEDA TPP	1370	336
48	MAHAN TPP	1200	159
49	SGPL TPP	1320	139
	TOTAL-IPPs	**45577**	**6222**

PITHEAD STATIONS			
A.State Gencos			
1	UPRVUNL	2630	341
2	CSPGCL	1340	208
3	MPPGCL	210	27
4	TSGENCO	1163	135
5	OPGCL	1740	288
	TOTAL-STATE SECTOR	**7083**	**999**
B.IPPs			
1	ANPARA C TPS	1200	153

No. FU-21/2020-FSC; CN:253974
Government of India
Ministry of Power

Shram Shakti Bhawan, Rafi Marg,
New Delhi, dated 28.04.2022

To,

1. Principal Secretaries/Secretaries (Power/Energy) of State Governments and UTs.
2. CMDs, Thermal Generating Stations (State GENCOs/IPPs) (As per the list)

Sub: Revised Import of Coal for blending purposes – reg.

Please refer to Ministry of Power's (MoP) letter dated 07.12.2021 regarding the import of coal for blending purpose during 2022-23 estimated @ 4% for Pithead and Non-Pithead stations.

2. The status of materialization of domestic coal, status of imported coal for blending purpose as well as coal stocks at Thermal power plants was reviewed by Hon'ble Minister of Power, New & Renewable Energy on 12.4.2022, in a meeting with Gencos.

3. In continuation to this Ministry's letter of even number dated 7.12.2021 and in view of the increasing demand and consumption of electricity, it has been decided that the thermal power plants owned by State Gencos and IPPs must import the coal for blending purpose to meet requirement at 10% of the total requirement, and ensure continuous power supply in the respective states.

4. To ensure minimum required coal stocks in power plants before onset of monsoon, it is necessary that placement of awards for importing coal for blending purpose is completed by 31.5.2022. All Gencos shall ensure delivery of 50% of allocated quantity by 30.06.2022, 40% by 31.08.2022 and remaining 10% by 31.10.2022. The requirements for blending at 10% is placed at Annexure-I for each of the Gencos.

(i.) State Gencos: 22.049 MT
(ii.) IPPs : 15.936 MT

5. States are also required to timely give clearance to IPPs, wherever required in PPA, for blending imported coal.

6. Procurement of imported coal must be done in a transparent manner to obtain competitive rates.

7. All the State Gencos and IPPs must also submit weekly Management Information System (MIS) report by every Friday to CEA and MoP about port wise indents placed, arrival and delivery of imported coal plant wise.

8. This issues with the approval of **Hon'ble Minister of Power & New and Renewable Energy.**

(S. Majumdar)
Under Secretary to the Government of India
Tel-Fax: 23356938

Copy to:

1. Secretary, Ministry of Coal
2. Chairman, Railway Board
3. Chairman, Central Electricity Authority
4. Chairman, Coal India Limited
5. DG, Association of Power Producers(APP)

Annexure-I

Estimated Quantity of Imported Coal for Blending-State and IPPs	
I. State Gencos	

Utility	Capacity (MW)	Expected Req-Imported Qty (@10%) (TT)
NON-PITHEAD STATIONS		
HPGCL	2510	904
PSPCL	1760	594
RRVUNL	3240	966
UPRVUNL	3499	1286
CSPGCL	1500	544
GSECL	4010	1345
MPPGCL	5190	1875
MAHAGENCO	9540	3464
APPDCL	1600	521
APGENCO	3410	1297
KPCL	5020	1591
TANGEDCO	4320	2194
TSGENCO	4080	1227
TVUNL	420	156
WBPDCL	4810	1586
TOTAL-STATE-NON-PITHEAD STATIONS	**54909**	**19551**

PITHEAD STATIONS		
UPRVUNL	2630	853
CSPGCL	1340	519
MPPGCL	210	68
TSGENCO	1162.5	337
OPGCL	1740	721
TOTAL-STATE-PITHEAD STATIONS	**7083**	**2498**

TOTAL-STATE GENCOS	**61992**	**22049**

II. Independent Power Produers (IPPs)

Name of Station	Capacity (MW)	Expected Req-Imported Qty (@10%) (TT)
NON-PITHEAD STATIONS		
MAHATMA GANDHI TPS	1320	400
GOINDWAL SAHIB TPP	540	190
RAJPURA TPP	1400	381
TALWANDI SABO TPP	1980	650
KAWAI TPS	1320	391
BARKHERA TPS	90	36
KHAMBARKHERA TPS	90	36
KUNDARKI TPS	90	34
LALITPUR TPS	1980	601
MAQSOODPUR TPS	90	35
PRAYAGRAJ TPP	1980	614
ROSA TPP Ph-I	1200	391
UTRAULA TPS	90	35
AKALTARA TPS	1800	573
BALCO TPS	600	211
BANDAKHAR TPP	300	106
BARADARHA TPS	1200	461
BINJKOTE TPP	600	224
NAWAPARA TPP	600	236
PATHADI TPP	600	195
TAMNAR TPP	2400	997
UCHPINDA TPP	1440	535
SABARMATI (D-F STATIONS)	362	103
ANUPPUR TPP	1200	388
BINA TPS	500	184
SEIONI TPP	600	190
AMRAVATI TPS	1350	416
DAHANU TPS	500	154
DHARIWAL TPP	600	201
GMR WARORA TPS	600	199
TIRORA TPS	3300	1080
WARDHA WARORA TPP	540	177
PAINAMPURAM TPP	1320	384
VIZAG TPP	1040	346
JOJOBERA TPS	240	82
MAHADEV PRASAD STPP	540	188
MAITHON RB TPP	1050	334

DERANG TPP	1200	417
KAMALANGA TPS	1050	377
VEDANTA TPP	600	225
BUDGE BUDGE TPS	750	217
HALDIA TPP	600	199
HIRANMAYE TPP	300	107
SOUTHERN REPL. TPS	135	50
AVANTHA BHANDAR	600	224
OP JINDAL TPS	1000	393
RAIKHEDA TPP	1370	840
MAHAN TPP	1200	399
SGPL TPP	1320	348
TOTAL-IPP-NON-PITHEAD PLANTS	**45577**	**15554**

PITHEAD STATIONS		
ANPARA C TPS	1200	382

TOTAL-IPPs	**46777**	**15936**

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Government of India
Ministry of Power
Fuel Supply Cell

Shram Shakti Bhawan,
New Delhi dated 01.08. 2022

To

1. **Principal Secretaries/Secretaries (Power/Energy) of State Governments and UTs**
2. **MDs of State GENCOs/IPPs**

Sub: Import of Coal for Blending purposes-reg 97/98

CPD-23011/49/2022-CPD-Part(1)

I am directed to refer to this Ministry's letter of even number dated 07.12.2021 advising State Gencos/IPPs to import coal for blending at 4% which was subsequently revised on 28.4.2022, advising State Gencos/IPPs to import 10% of the total requirement for blending, in the back drop of very high demand as compare to previous year, depleting coal stocks at power plants and projections by Ministry of Coal for supply of domestic coal.

2. Coal Stock position has been reviewed in the Ministry of Power. Coal stock position of State Gencos now vary significantly. Many States have stocks more than 50% of normative levels whereas many other States still have stocks near critical level.

3. In view of the above facts, it has been decided that now onwards, States/IPPs and Ministry of Coal may decide the blending percentage after assessing the availability of domestic coal supplies.

4. This issues with the approval of Hon'ble Minister for Power and NRE.

(Subhash Chand)
Under Secretary to the Govt of India

Copy to :-

1. Secretary, Ministry of Coal
2. Chairman, Railway Board
2. Chairman, CEA
3. Chairman, CIL

Copy also to:-
PS to HMoP/PS to HMoSP

ANNEXURE -2

F. No.23011/72/2013-CPD (Vol.II) Part (1)
Government of India
Ministry of Coal

Shastri Bhawan, New Delhi,
Date: 08.07.2022

OFFICE MEMORANDUM

Subject: - Minutes of 672nd meeting of the Sub-Group constituted by Infrastructure Constraints Review Committee to look into the issues of critical power houses.

The undersigned is directed to forward herewith a copy of the minutes of 672nd meeting of the Sub-Group held on 08.07.2022 for reviewing the position of critical thermal power stations for information and necessary action.

Encl. as above

08.07.22
(Pardeep Kumar)
Assistant Director

To
1. Sh. Vivek Kumar Dewangan, Additional Secretary, Ministry of Power,Shram Shakti Bhawan, New Delhi.
2. Sh. A. K. Shamsi, ED (Coal), Ministry of Railways (Railway Board), RailBhawan, New Delhi.
3. Sh. Piyush Singh, Joint Secretary, Ministry of Power,Shram Shakti Bhawan, New Delhi.
4. Sh. Vinay Kumar Prajapati, Director, Ministry of Shipping, Transport Bhawan, New Delhi.
5. Sh. Manoj Kumar Upadhyay, SRO (Power & Energy), NITI Aayog, YojanaBhavan, New Delhi.
6. Shri Nitin Prakash, Deputy Director, CEA
7. Director (Marketing), CIL, Coal Bhawan, Newtown, Rajarhat, Kolkata-700156.
8. R.O, SCCL, 526, Hawa Singh Block, Khel Gaon, New Delhi.
9. Sh. Dileep Kumar, ED (Corp FM), NTPC, Room No. 124, R&D Building, A-8A, Sector- 24, Noida.
10. Sh. H R Mallick, Additional General Manager (Crop FM), NTPC, R&D Building, A-8A, Sector-24, Noida.
11. Sh. A.K. Gupta, General Manager (S&M), CIL, Newtown, Rajarhat, Kolkata-700156.
12. CMDs of ECL/BCCL/CCL/NCL/SECL/MCL/WCL/SCCL.
13. CMD, TANGEDCO, RRVUNL, WBPDCL, APGENCO, GSECL, UPRVUNL, MAHAGENCO, HPGCL, KPCL
14.Sh. Bhimsen, SM, CIL, Scope Minar, Laxmi Nagar, New Delhi.

Copy to:
(i) PS to AS (VKT)
(ii) PS to JS (CPD)
(iii) PS to Dir. (CPD)
(iv) PS to Dir.(T)

Copy to: Cabinet Secretariat (Under Secretary, CA-3)

Minutes of the Sub Group meeting held on 08.07.2022 to review Infrastructure Constraints

The meeting of the Sub-Group constituted by the Infrastructure Constraints Review Committee was held on 08.07.2022 through Video Conferencing. It was chaired by Joint Secretary (CPD), Ministry of Coal and attended by officials of MoC, MoP, Railway Board, CEA, SCCL, NTPC, DVC, State Gencos & IPPs, as well as CIL Kolkata/Subsidiaries HQ/CIL Delhi.

List of Participants is at ANNEXURE.

Subgroup Decisions on Coal Supply to Gencos. /Plants:

S. No.	Genco/ Power Plant	Coal Company	Supply Plan / Supply as per Subgroup Decision Dtd: 30.06.22		Supply Plan as per Subgroup decision 08.07.2022	Remarks
			Plan	Actual Supply		
1	**DVC**	ECL	3 Rakes	2.0 Rakes	3 Rakes	RCR lifting is 7000 TPD against the target of 10000 TPD, which needs to be increased. Sub Group directed that it is already decided that CIL will allocate coal to Genco as per the availability and Genco is to lift that allocated coal quantity.
		BCCL	8 Rakes	8.0 Rakes	7 Rakes	
		CCL	3 Rakes	4.0 Rakes	3 Rakes	
		MCL	4 Rakes	3.3 Rakes	4 Rakes	
		Total	**18 Rakes**	**17.3 Rakes**	**17 Rakes**	
2	**NTPC & JV**	ECL	12 Rakes	11.5 Rakes	12 Rakes	Genco to ensure supply of 3 rakes/day from Bukru siding. Railways to take action for liquidating coal stock lying at Global Washery. RCR lifting is 7000 TPD against the target of 12000 TPD, which needs to be increased.
		BCCL	4 Rakes	5.0 Rakes	4 Rakes	
		CCL	17 Rakes	10.7 Rakes	15 Rakes	
		NCL	14 Rakes	14.2 Rakes	14 Rakes	
		WCL	6 Rakes	5.0 Rakes	6 Rakes	
		SECL	5 Rakes	4.5 Rakes	5 Rakes	
		MCL	29 Rakes	25.8 Rakes	29 Rakes	
		SCCL	3 Rakes	2.7 Rakes	5 Rakes	
		Total	**90 Rakes**	**79.4 Rakes**	**90 Rakes**	
3	**UPRVUNL**	BCCL	4 Rakes	1.3 Rakes	2 Rakes	RCR lifting needs to be increased up to the level of 10000 TPD. Harduaganj & Paricha maybe given priority in supply for a
		CCL	3 Rakes	3.2 Rakes	3 Rakes	
		NCL	6 Rakes	7.0 Rakes	6 Rakes	
		Total	**13 Rakes**	**11.5 Rakes**	**11 Rakes**	

						week.
4	**RRVUNL**	NCL	4 Rakes	3.0 Rakes	4 Rakes	Genco may expedite reconciliation with SECL and make payment of outstanding dues.
		SECL	4 Rakes	3.0 Rakes	4 Rakes	
		Total	**8 Rakes**	**6.0 Rakes**	**8 Rakes**	
5	**GSECL**	ECL	2 Rakes	0.0 Rakes	1 Rakes	Temporary arrangements for supply of coal from ECL & NCL may not continue for long and Genco is directed to take proactive actions to increase lifting of coal in RCR mode.
		NCL	0 Rakes	0.0 Rakes	0 Rakes	
		WCL	4 Rakes	2.5 Rake	4 Rakes	
		SECL	3 Rake 30,000Te – RCR mode	1.7 Rakes 13,000-RCR mode	3 Rake 30,000Te – RCR mode	
		Total	**9.0 Rakes+ RCR**	**4.2 Rakes + RCR**	**8.0 Rakes+ RCR**	
6	**PSPCL**	BCCL	1.5 Rake	1.5 Rake	1.5 Rake	Power plant requested railways to resolve the CTO issue at MAEL siding.
		CCL	2.5 Rake 2.5 Rake RCR	1.0 Rake 2.0 Rake RCR	2.5 Rake 2.5 Rake RCR	
		SECL	2.0 Rake	1.7 Rakes	2.0 Rake	
		Total	**8.5 Rake (Incl. RCR)**	**6.2 Rake (Incl. RCR)**	**8.5 Rake (Incl. RCR)**	
7	**HPGCL**	ECL	0.5 Rake	0.0 Rake	0.5 Rake	Genco needs to reduce detention time to get the planned rakes. Genco informed that 95,000 Te imported coal stock lying at port.
		BCCL	1 Rake	0.8 Rake	1 Rake	
		CCL	4 Rakes	2.2 Rake	4 Rakes	
		NCL	2 Rakes	1.3 Rake	2 Rakes	
		MCL	3.0 Rake	1.5 Rake	3.0 Rake	
		Total	**10.5 Rakes**	**5.8 Rake**	**10.5 Rakes**	
8	**MAHAGENCO**	WCL	13 Rakes	10.0 Rakes	11 Rakes	Genco is directed to increase lifting of coal in RCR mode from WCL. Outstanding dues as on date in WCL is Rs. 2800 Cr. Genco needs to take action for making the payment.
		SECL	1 Rake	0.5 Rake	1 Rake	
		MCL	3 Rake	1.7 Rake	2 Rake	
		SCCL	3 Rakes	2.1 Rake	4 Rakes	
		Total	**20 Rakes**	**14.3 Rakes**	**18 Rakes**	

						Railway informed that unloading time of rakes is high and same needs to be reduced.
9	**MPPGCL**	NCL	2.0 Rake	1.2 Rakes	1.0 Rake	RCR lifting is 7000 TPD against the target of 13000 TPD, which needs to be increased.
		WCL	2.0 Rake	1.2 Rakes	2.0 Rake	
		SECL	9.0 Rakes (without RCR/Logistic) 2.5 Rake RCR	8.5 Rakes 2.5 Rake (RCR)	7.0 Rakes (without RCR/Logistic) 2.5 Rake RCR	
		Total	**15.5 Rakes (Incl. RCR)**	**13.3 Rakes (Incl RCR)**	**12.5 Rakes (Incl. RCR)**	
10	**TANGEDCO**	MCL	9 Rakes 3 Rakes (RCR)	12.8 Rakes 0.0 Rake(RCR)	7.0 Rakes 3.0 Rakes (RCR)	MCL to regulate indents and ensure supply as per Sub Group plan. Genco needs to clear the outstanding dues of CCL. Genco informed that 2.25 LT Coal in transit and 2.05 LT coal available at port.
		SCCL	1 Rake	1.0 Rake	0 .0 Rake	
		Total	**13 Rakes (Incl. RCR)**	**12.8 Rakes (Incl. RCR)**	**10 Rakes (Incl. RCR)**	
11	**APGENCO & APPDCL**	MCL	10 Rakes (5.5 RSR+4.5 ARR) 4 Rakes-RCR	9.3 Rakes 3.5 Rakes	7 Rakes (2.5 RSR+4.5 ARR) 4 Rakes-RCR	Outstanding dues have increased to Rs. 1000 Cr and if it not liquidated before third week of July allocation of rakes may be curtailed.
		SCCL	8.0 Rakes	4.0 Rakes	6.0 Rakes	
		Total	**22 Rakes (Incl. RCR)**	**16.8 Rakes**	**17 Rakes (Incl. RCR)**	
12	**KPCL**	WCL	1.0 Rakes	1.0 Rake	1.0 Rakes	
		MCL	6.0 Rakes	4.2 Rakes	7.0 Rakes	
		SCCL	6.0 Rakes	5.1 Rake	5.0 Rakes	
		Total	**13.0 Rakes**	**10.3 Rake**	**13.0 Rakes**	
13	**WBPDCL**	ECL	2.5 Rake	2.3 Rake	1.5 Rake	Linkage quantity exhausted in MCL and Genco to take necessary actions in this regard.
		BCCL	1.5 Rake	0.5 Rake	1.0 Rake	
		MCL	0.0 Rake	0.2 Rake	2.0 Rake	
		CCL	1 Rake	-	0.5 Rake	
		Total	**5.0 Rake**	**3.0 Rake**	**5.0 Rake**	

14	**CSPGCL**	SECL	24,000 Belt 1.0 IR Rake	16000 Te. Belt 1.5 Rake	24,000 Belt 0.7 IR Rake	
15	**Mahatma Gandhi/ Jhajjar**	ECL	1.0 Rake	0.3 Rake	1.0 Rake	Railways required giving priority to provide rake at KANDLA Port.
		BCCL	1.5 Rake	1.0 Rake	1.5 Rake	
		CCL	2.0 Rakes	1.3 Rakes	2.0 Rakes	
		NCL	0.5 Rake	0.3 Rakes	0.5 Rake	
		Total	**5.0 Rakes**	**3.0 Rakes**	**5.0 Rakes**	
16	**Nabha Power**	CCL	1.5 Rake – RCR	0.0 Rake – RCR	1.5 Rake – RCR	
		NCL	2 Rakes	1.3 Rake	2 Rakes	
		SECL	1.5 Rakes	1.5 Rakes	1.5 Rakes	
		Total	**5.0 Rakes (Incl. RCR)**	**2.8 Rake (Incl. RCR)**	**5.0 Rakes (Incl. RCR)**	
17	**Talwandi Sabo**	CCL	1.75 Rake (RCR)	0.0 Rake (RCR)	1.75 Rake (RCR)	Power plant may reduce detention of rakes at their end. Railways to augment rakes from MCL.
		NCL	0.8 Rake	0.7 Rake	0.8 Rake	
		MCL	8.0 Rakes	4.7 Rakes	8.0 Rakes	
		Total	**10.55 Rakes (Incl. RCR)**	**5.4 Rakes (Incl. RCR)**	**10.55 Rakes (Incl. RCR)**	
18	**Kawai TPP**	NCL	2.0 Rakes	2.2 Rakes	2.0 Rakes	
		SECL	1.5 Rakes	0.8 Rake	1.0 Rakes	
		TOTAL	**3.5 Rakes**	**3.0 Rakes**	**3.0 Rakes**	
19	**Lalitpur**	CCL	1.5 Rake 3 Rake (RCR)	0.2 Rakes 3.0 Rake (RCR)	1.5 Rake 3 Rake (RCR)	RCR lifting needs to be increased.
		NCL	1.5 Rake	1.3 Rake	1.5 Rake	
		SECL	0.8 Rake	0.5 Rake	0.8 Rake	
		Total	**6.8 Rake (Incl. RCR)**	**5.0 Rake(Incl. RCR)**	**6.8 Rake (Incl. RCR)**	
20	**Prayagraj TPP**	NCL	3.5 Rakes 3 Rakes	4.0 Rakes 2 Rakes	3.5 Rakes 4 Rakes	RCR lifting to be increased by plant.

			(RCR)	(RCR)	(RCR)	
		Total	**6.5 Rakes (Incl. RCR)**	**6.0 Rakes (Incl. RCR)**	**7.5 Rakes (Incl. RCR)**	
21	**Bajaj Group**	NCL	0.5 Rake 0.5 Rake RCR	0.2 Rake 0.5 Rake (RCR)	0.5 Rake 0.5 Rake RCR	Unloading time needs to be reduced by the power plant.
		Total	**1.0 Rake (Incl. RCR)**	**0.2 Rake Incl. RC**	**1.0 Rake (Incl. RCR)**	
22	**Rosa TPP**	CCL	4.0 Rakes 4000 RCR	2.5 Rakes 0 RCR	3.5 Rakes 4000 RCR	Power plant to start lifting in RCR mode.
23	**Unchpinda**	SECL	1.5 Rake	1.4 Rake	1.0 Rake	
24	**Balco TPS**	SECL	1.0 Rake	0.8 Rake	1.0 Rake	
25	**Dhariwal TPS**	SECL	1.0 Rakes	0.8 Rakes	1.0 Rakes	Unloading time needs to be reducing by the power plant.
		WCL	0.3 Rake	0.3 Rake	0.3 Rake	
		Total	**1.3 Rake**	**1.2 Rake**	**1.3 Rake**	
26	**Sabarmati**	SECL	1.0 Rake	0.8 Rake	1.0 Rake	
27	**Seioni / Jhabua**	SECL	1.5 Rake	0.7 Rake	1.0 Rake	
		MCL	0.0 Rake	0.0 Rake	0.5 Rake	
		Total	**1.5 Rake**	**0.7 Rake**	**1.5 Rake**	
28	**Pathadi TPS**	SECL	0.8 Rake	0.7 Rake	0.8 Rake	
29	**Anuppur (MB Power)**	SECL	3.0 Rake – 2 Rake- RCR	1.5 Rake – 1.0 Te – RCR	2.5 Rake – 2 Rake- RCR	
		Total	**5.0 Rake (Incl. RCR)**	**2.5 Rake (Incl. RCR)**	**4.5 Rake (Incl. RCR)**	
30	**Baradhara TPS/DB Power**	SECL	2.0 Rake	1.8 Rake	2.0 Rake	
31	**Akaltara TPS**	SECL	3.5 Rake 1.5 Rake RCR	2.3 Rakes 1.5 Rake RCR	3.5 Rake 1.5 Rake RCR	

		MCL	1 Rake	0.3 Rake	1.0 Rake	
		Total	**6 Rake Incl. RCR**	**4.1 Rake**	**6.0 Rake Incl. RCR**	
32	**Bina**	CCL	0.5 Rake	0.3 Rake	0.5 Rake	
		SECL	0.5 Rake (RCR)	1.1 Rake RCR	0.5 Rake (RCR)	
		Total	**1.0 Rake (Incl. RCR)**	**1.4 Rake (Incl. RCR)**	**1.0 Rake (Incl. RCR)**	
33	**Amravati**	SECL	4.0 Rakes 2 Rakes (RCR)	3.0 Rake 0.6 Rake (RCR)	4.0 Rakes 2 Rakes (RCR)	
		Total	**6.0 Rakes (Incl. RCR)**	**3.6 Rakes (Incl. RCR)**	**6.0 Rakes (Incl. RCR)**	
34	**Dahanu**	SECL	9,000 RCR	4000 Te (RCR)	9,000 RCR	Plant to sort out the issues relating to lifting with washery.
35	**Wardha Warora**	WCL	Coal Supply as per payment.			
36	**GMR Warora**	SECL	0.8 rake	0.7 Rakes	1.0 rake	
37	**Adani Tirora**	SECL	6.0 Rakes	6.5 Rakes	5.5 Rakes	
		WCL	1.0 Rakes (RCR)	1.5 Rakes (RCR)	1.0 Rakes (RCR)	
		MCL	0.5 Rake	0.7 Rake	1.0 Rake	
		Total	**7.5 Rakes (Incl RCR)**	**7.2 Rake (Incl RCR)**	**7.5 Rakes (Incl RCR)**	
38	**Painampuram**	MCL	4.0 Rakes (FSA) 1.0 Rake for SGPL	5.3 Rakes	4.0 Rakes (FSA) 1.0 Rake for SGPL	
39	**Tata Power Jojobera**	CCL	1 Rake – RCR	1.0 Rake – RCR	1 Rake – RCR	
40	**Mahadev Pd./Adhunik Power**	CCL	1 Rake	0.8 Rake	1.0 Rake	
41	**Sterlite Energy/ Vedanta**	MCL	2 Rake	2.0 Rake	2.0 Rake	

42	**Haldia**	MCL	2.0 Rakes	1.3 Rake	2.0 Rakes	
43	**GMR Kamalanga**	MCL	3.0 Rakes	3.5 Rakes	3.0 Rakes	
44	**Hiranmaye TPS**	MCL	0.25 Rake	0.5 Rake	1.0 Rake	
45	**CESC**	ECL	0.7 Rake	0.5 Rake	1.0 Rake	
		BCCL	0.0 Rake	0.2 Rake	0.0 Rake	
		Total	0.7 Rake	0.7 Rake	1.0 Rake	
46	**Binjkote**	SECL	1.0 Rake	0.2 Rake	0.8 Rake	
47	**Hinduja/Vizag TPS**	MCL	3.5 rakes/day	2.5 Rake	3.5 rakes/day	
48	**GVK**	CCL	As per Payment			
49	**NTPL**	MCL	2.0 Rake	0.6 Rake	2.0 Rake	
50	**TS Genco**	SCCL	6.0Rakes	6.4 Rakes	6.0 Rakes	
51	**SingareniTpp**	SCCL	4.5 Rakes	3.9 Rakes	4.5 Rakes	
52	**DPL**	ECL BCCL MCL **TOTAL**	0.3 Rake 0.5 Rake 0.5 Rake **1.3 Rakes**	0.5 Rake 0.3 Rake 0.0 Rake **0.8 Rakes**	0.3 Rake 0.5 Rake 0.5 Rake **1.3 Rakes**	
53	**Tenughat**	CCL	2.0 Rakes	1.2 Rakes	2.0 Rakes	
54	**Avantha Bhandar**	MCL	1.0 Rakes 1.0 RCR	1.3 Rakes 0.0 Rake	1.0 Rakes 1.0 RCR	

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Annexure

Ministry of Coal

1. Smt. Vismita Tej, Joint Secretary (CPD)
2. Sh. Mukesh Choudhary, Director (CPD)
3. Sh. M. Venkateswarlu , Director (T), NA

Ministry of Power/CEA

1. Nitin Prakash, CEA

Railway Board/ Zone

1. Shri. Subodh, Railways

Representatives of Power Plants/Gencos

1. Shri Tarun Kumar Ghose, ED (Fuel), DVC
2. Shri Dilip Kumar, NTPC
3. Shri Sunil Gupta, Jhabua Power
4. Shri PM Patel, CE (Fuel), GSECL
5. Technical Director, KPCL
6. Shri Rajesh Kumar, Rattan India
7. Shri Tarun Chattopadhyay, Prayagraj
8. Shri. Sarvajit Singh, PSPCL
9. Shri Jitesh Pal, Adani Tirora/Kawai/Avantha Bhandar
10. Shri Rajeev Srivastava, CE, MPPGCL
11. Shri. Antony Raja, Director (coal),Apgenco
12. Shri D. S. Nag, WBPDCL
13. Shri Varun Moris , V.P, Haldia/Dhariwal
14. Shri Saurabh Patel, Nabha Power
15. Chief Engineer, Tengedco
16. Shri Pravin Katre,, Talwandi Sabo, Sterlite
17. Shri Tarun Bajaj, Mahatma Gandhi TPS
18. Shri Ravi Sahay, DB Power/Baradhara
19. Shri Akash Saxena, GMR Wardha
20. Shri.Ankush Jain, LalitPur
21. Shri Naresh, Dahanu TPP
22. Shri Sunil Saran , Bina TPP
23. DT, UPRVUNL
24. Shri Durga Roy, Uchpunda
25. ShriLalit Joshi, Annupur (MB Power)

.

Coal India Limited

1. Shri,A.K Gupta, General Manager (M&S), CIL, Kolkata
2. Shri Bhimsen, Chief Manager (M&S) CIL New Delhi
3. GM/HoD(M&S)- ECL, BCCL, CCL, NCL, WCL, SECL, MCL

F. No.23011/72/2013-CPD (Vol.II) Part (1)
Government of India
Ministry of Coal

Shastri Bhawan, New Delhi,
Date:29.09.2022

OFFICE MEMORANDUM

Subject: - Minutes of 684th meeting of the Sub-Group constituted by Infrastructure Constrains Review Committee to look into the issues of critical power houses.

The undersigned is directed to forward herewith a copy of the minutes of 684th meeting of the Sub-Group held on 28.09.2022 for reviewing the position of critical thermal power stations for information and necessary action.

Encl. as above

29/9/22
(Pardeep Kumar)
Assistant Director

To

1. Sh. Vivek Kumar Dewangan, Additional Secretary, Ministry of Power, Shram Shakti Bhawan, New Delhi.
2. Shri Piyush Singh, JS, M/o Power
3. Sh. Avinash Kumar Mishra, ED (Coal), Ministry of Railways (Railway Board), Rail Bhawan, New Delhi.
4. Sh. Vinay Kumar Prajapati, Director, Ministry of Shipping, Transport Bhawan, New Delhi.
5. Sh. Manoj Kumar Upadhyay, SRO (Power & Energy), NITI Aayog, Yojana Bhavan, New Delhi.
6. Shri Nitin Prakash, Deputy Director, CEA
7. Director (Marketing), CIL, Coal Bhawan, Newtown, Rajarhat, Kolkata-700156.
8. R.O, SCCL, 526, Hawa Singh Block, Khel Gaon, New Delhi.
9. Sh. Bhimsen, SM, CIL, Scope Minar, Laxmi Nagar, New Delhi.
10. Sh. Dileep Kumar, ED (Corp FM), NTPC, Room No. 124, R&D Building, A-8A, Sector-24, Noida.
11. Sh. A.K. Gupta, General Manager (S&M), CIL, Newtown, Rajarhat, Kolkata-700156.
12. CMDs of ECL/BCCL/CCL/NCL/SECL/MCL/WCL/SCCL.
13. CMD, TANGEDCO, RRVUNL, WBPDCL, APGENCO, GSECL, UPRVUNL, MAHAGENCO, HPGCL, KPCL

Copy to:
(i) PS to AS (VKT)
(ii) PS to JS (CPD)
(iii) PS to Dir. (CPD)
(iv) PS to Dir (T) NA

Copy to: Cabinet Secretariat (Under Secretary, CA-3)

Minutes of the Sub Group meeting held on 28.09.2022 to review Infrastructure Constraints

The meeting of the Sub-Group constituted by the Infrastructure Constraints Review Committee was held on 28.09.2022 at 12.30 PM through Video Conferencing. It was chaired by Joint Secretary (CPD), Ministry of Coal and attended by officials of MoC, MoP, Railway Board, CEA, SCCL, NTPC, DVC, State Gencos & IPPs, as well as CIL Kolkata/Subsidiaries HQ/CIL Delhi.

List of Participants is at ANNEXURE.

Subgroup Decisions on Coal Supply to Gencos. /Plants:

S. No.	Genco/ Power Plant	Coal Co.	Supply Plan / Supply as per Subgroup Decision Dtd: 22.09.2022		Supply Plan as per Subgroup decision 28.09.22	Remarks
			Plan	Actual Supply		
1	**DVC**	ECL	3 Rakes	2.8 Rakes	3 Rakes	
		BCCL	6 Rakes	5.0 Rakes	6 Rakes	
		CCL	3 Rakes	2.4 Rakes	3 Rakes	
		MCL	5 Rakes	2.0 Rakes	5 Rakes	
		Total	**17 Rakes**	**12.2 Rakes**	**17 Rakes**	
2	**NTPC & JV**	ECL	11 Rakes	8.6 Rakes	11 Rakes	46000 TPD Supply through MGR to NTPC Sipat is still not achieved by the SECL. SECL needs to take needful action in this regard.
		BCCL	4 Rakes	3.6 Rakes	4 Rakes	
		CCL	17 Rakes	9.6 Rakes	17 Rakes	
		NCL	13 Rakes	12.6 Rakes	13 Rakes	
		WCL	5 Rakes	3.6 Rakes	5 Rakes	
		SECL	5 Rakes	4.4 Rakes	5 Rakes	
		MCL	29 Rakes	28.0 Rakes	29 Rakes	
		SCCL	7 Rakes	5.9 Rakes	5 Rakes	
		Total	**91 Rakes**	**76.3 Rakes**	**89 Rakes**	
3	**UPRVUNL**	BCCL	4 Rakes	3.4 Rakes	4 Rakes	
		CCL	4 Rakes	2.2 Rakes	4 Rakes	

		NCL	6 Rakes	6.6 Rakes	6 Rakes	Outstanding Dues accumulated to Rs.1000 Cr.
		Total	**14 Rakes**	**12.2 Rakes**	**14 Rakes**	
4	**RRVUNL**	NCL	6 Rakes	5.6 Rakes	6 Rakes	
		SECL	4 Rakes	2.8 Rakes	4 Rakes 4 Rakes (RCR)	
		MCL	6.5 Rakes	5.0 Rakes	6.5 Rakes	
		Total	**16.5 Rakes**	**13.4 Rakes**	**20.5 Rakes**	
5	**GSECL**	WCL	2.5 Rakes	1.0 Rake	2.5 Rakes	
		SECL	3.0 Rake 30,000Te – RCR mode	2.0 Rakes 14,000Te – RCR mode	3.0 Rake 30,000Te – RCR mode	
		Total	**6.5 Rakes+ RCR**	**4.0 Rakes + RCR**	**5.5 Rakes+ RCR**	
6	**PSPCL**	BCCL	0.5 Rake	0.0 Rake	0.5 Rake	
		CCL	0.5 Rake 3.0 Rake RCR	0.4 Rake 2.2 Rake RCR	0.5 Rake 3.0 Rake RCR	
		Total	**4.0 Rake (Incl. RCR)**	**2.6 Rake (Incl. RCR)**	**4.0 Rake (Incl. RCR)**	
7	**HPGCL**	ECL	0.75 Rake	0.4 Rake	0.75 Rake	
		BCCL	1.0 Rake	0.8 Rake	1.0 Rake	
		CCL	2.0 Rakes	1.2 Rake	2.0 Rakes	
		NCL	1.0 Rakes	0.8 Rake	1.0 Rakes	
		MCL	3.0 Rake	3.2 Rake	3.0 Rake	
		Total	**7.75 Rakes**	**6.4 Rake**	**7.75 Rakes**	

8	**MAHAGENCO**	WCL	12 Rakes	9.4 Rakes	12 Rakes	
		SECL	1 Rake	1.0 Rake	1 Rake	
		MCL	4 Rake	2.8 Rake	4 Rake	
		SCCL	5 Rakes	3.9 Rake	4 Rakes	
		Total	**22 Rakes**	**17.1 Rakes**	**21 Rakes**	
9	**MPPGCL**	NCL	0.0 Rake 1.0 Rake-RCR	0.0Rakes	0.0 Rake 1.0 Rake-RCR	Railways needs to prioritize supply to Sanjay Gandhi TPS. Genco needs to increase lifting of coal in Road/RCR.
		WCL	1.0 Rake	0.6 Rakes	1.0 Rake	
		SECL	7.0 Rakes (without RCR/ Logistic) 2.5 Rake RCR	5.4 Rakes 0.9 Rake (RCR)	7.0 Rakes (without RCR/ Logistic) 2.5 Rake RCR	
		Total	**11.5 Rakes (Incl. RCR)**	**6.9 Rakes (Incl RCR)**	**11.5 Rakes (Incl. RCR)**	
10	**TANGEDCO**	MCL	10.0 Rakes 3.0 Rakes (RCR)	8.2 Rakes 0.6 Rake(RCR)	10.0 Rakes 3.0 Rakes (RCR)	Genco needs to clear outstanding dues of the coal company.
11	**APGENCO & APPDCL**	MCL	9.5 Rakes (5.0 RSR+4.5 ARR) 4.0 Rakes-RCR	7.2 Rakes 8.7 Rakes RCR	9.5 Rakes (5.0 RSR+4.5 ARR) 4 Rakes-RCR	
		SCCL	3.0 Rakes	2.9 Rakes	4.0 Rakes	
		Total	**16.5 Rakes (Incl. RCR)**	**18.8 Rakes**	**17.5Rakes (Incl. RCR)**	
12	**KPCL**	WCL	1.0 Rakes	0.0 Rake	2.0 Rakes	

		MCL	0.0 Rakes	0.0 Rakes	0.0 Rakes	Genco needs to clear outstanding dues of the coal company.
		SCCL	4.0 Rakes	2.9 Rake	6.0 Rakes	
		Total	**5.0 Rakes (Incl. RCR)**	**3.6 Rake**	**8.0 Rakes**	
13	**WBPDCL**	ECL	2.5 Rake	3.0 Rake	2.5 Rake	
		BCCL	3.0 Rake	3.0 Rake	3.0 Rake	
		MCL	3.0 Rake	1.2 Rake	3.0 Rake	
		CCL	2.0 Rake	1.2 Rake	2.0 Rake	
		Total	**10.5 Rake**	**8.4 Rake**	**10.5 Rake**	
14	**CSPGCL**	SECL	24,000 Belt 1.0 IR Rake	13,200 Belt 1.0 Rake	24,000 Belt 1.0 IR Rake	
15	**Mahatma Gandhi/ Jhajjar**	ECL	0.25 Rake	0.4 Rake	0.25 Rake	
		BCCL	1.0 Rake	1.2 Rake	1.0 Rake	
		CCL	1.5 Rakes	1.2 Rakes	1.0 Rakes	
		NCL	0.5 Rake	0.2 Rakes	0.0 Rake	
		Total	**3.25 Rakes**	**3.0 Rakes**	**2.25 Rakes**	
16	**Nabha Power**	CCL	1.5 Rake – RCR	0.0 Rake – RCR	1.5 Rake – RCR	
		NCL	1.5 Rakes	1.2 Rake	1.5 Rakes	
		SECL	1.5 Rakes	0.8 Rakes	1.5 Rakes	
		Total	**4.5 Rakes (Incl. RCR)**	**2.0 Rake (Incl. RCR)**	**4.5 Rakes (Incl. RCR)**	

17	**Talwandi Sabo**	CCL	1.75 Rake (RCR)	1.1 Rake (RCR)	1.75 Rake (RCR)	The rail track at plant was submerged under water for 1 day, leading to restrictions by railways. Coal stock is depleting and Railways to prioritize supply to the power plant. More rakes can be front loaded from NCL for October month to meet requirement.
		NCL	0.8 Rake	0.2 Rake	0.8 Rake	
		MCL	6.0 Rakes	2.8 Rakes	6.0 Rakes	
		Total	**8.55 Rakes (Incl. RCR)**	**4.1 Rakes (Incl. RCR)**	**8.55 Rakes (Incl. RCR)**	
18	**Kawai TPP**	NCL	2.0 Rakes	2.0 Rakes	2.0 Rakes	
		SECL	1.0 Rakes	0.6 Rake	1.0 Rakes	
		Total	**3.0 Rakes**	**2.6 Rakes**	**3.0 Rakes**	
19	**Lalitpur**	CCL	1.5 Rake 3.0 Rake (RCR)	0.2 Rakes 2.4 Rake (RCR)	1.5 Rake 3 Rake (RCR)	
		NCL	1.5 Rake	1.0 Rake	1.5 Rake	
		SECL	0.8 Rake	0.4 Rake	0.8 Rake	
		Total	**6.8 Rake (Incl. RCR)**	**4.0 Rake(Incl. RCR)**	**6.8 Rake (Incl. RCR)**	
20	**Prayagraj TPP**	NCL	4.0 Rakes 4 Rakes (RCR)	3.8 Rakes 1.9 Rakes (RCR)	5.0 Rakes 4 Rakes (RCR)	
		Total	**8.0 Rakes (Incl. RCR)**	**5.7 Rakes (Incl. RCR)**	**9.0 Rakes (Incl. RCR)**	
21	**Bajaj Group**	NCL	0.5 Rake 0.5 Rake RCR	0.4 Rake 0.7 Rake (RCR)	0.5 Rake 0.5 Rake RCR	
		Total	**1.0 Rake (Incl. RCR)**	**1.1 Rake Incl. RC**	**1.0 Rake (Incl. RCR)**	

22	**Rosa TPP**	CCL	3.5 Rakes	3.0 Rakes	3.5 Rakes	Genco inform that RCR Lifting issues is being resolved.
23	**Unchpinda**	SECL	0.5 Rake	0.4 Rake	0.5 Rake	
24	**Balco TPS**	SECL	0.25 Rake	0.2 Rake	0.25 Rake	1.20 LT imported coal lying at Port.
25	**Dhariwal TPS**	SECL	1.0 Rakes	0.6 Rakes	1.0 Rakes	
		WCL	0.7 Rake	0.4 Rake	0.7 Rake	
		Total	**1.7 Rake**	**1.0 Rake**	**1.7 Rake**	
26	**Sabarmati**	SECL	1.5 Rake	0.6 Rake	1.5 Rake	
27	**Seioni / Jhabua**	SECL	1.5 Rake	1.0 Rake	1.5 Rake	
		MCL	0.5 Rake	0.6 Rake	0.5 Rake	
		Total	**2.0 Rake**	**1.6 Rake**	**2.0 Rake**	
28	**Pathadi TPS**	SECL	0.5 Rake	0.4 Rake	0.5 Rake	
29	**Anuppur (MB Power)**	SECL	1.5 Rake – 2 Rake- RCR	1.4 Rake 0.5 Rake RCR	1.0 Rake – 2 Rake- RCR	Railways to ensure supply 3 rakes/day from Vizag Port for imported coal.
		MCL	1.5 Rake	1.0 Rake	1.0 Rake	
		Total	**5.0 Rake (Incl. RCR)**	**2.9 Rake (Incl. RCR)**	**4.0 Rake (Incl. RCR)**	
30	**Baradhara TPS/DB Power**	SECL	1.5Rake	1.8 Rake	1.0 Rake	
		MCL	1.5 Rake	0.8 Rake	1.5 Rake	
		CCL			0.5 Rake	
		Total	**3.0 Rake**	**2.6 Rake**	**3.0 Rake**	
31	**Akaltara TPS**	SECL	3.0 Rake 1.5 Rake RCR	2.2 Rakes 0.4 Rake RCR	2.0 Rake 1.5 Rake RCR	
		MCL	1.0 Rake	0.6 Rake	1.0 Rake	

		Total	**5.5 Rake Incl. RCR**	**3.2 Rake (incl. RCR)**	**4.5 Rake Incl. RCR**	
32	**Bina**	CCL	0.5 Rake	0.4 Rake	0.5 Rake	
		SECL	0.5 Rake (RCR)	0.9 Rake RCR	0.5 Rake (RCR)	
		Total	**1.0 Rake (Incl. RCR)**	**1.3 Rake (Incl. RCR)**	**1.0 Rake (Incl. RCR)**	
33	**Amravati**	SECL	4.0 Rakes 2.0 Rakes (RCR)	2.6 Rake 0.4 Rake (RCR)	5.0 Rakes 2 Rakes (RCR)	
		Total	**6.0 Rakes (Incl. RCR)**	**3.0 Rakes (Incl. RCR)**	**7.0 Rakes (Incl. RCR)**	
34	**Dahanu**	SECL	1.5 Rakes	1.4 Rake	2.0 Rakes	
35	**Wardha Warora**	WCL	Coal Supply as per payment.			
36	**GMR Warora**	SECL	1.0 rake	0.4 Rakes	1.0 rake	
37	**Adani Tirora**	SECL	5.5 Rakes	5.4 Rakes	5.5 Rakes	
		WCL	3.0 Rakes (RCR)	2.2 Rakes (RCR)	3.0 Rakes (RCR)	
		MCL	1.0 Rake	0.0 Rake	1.0 Rake	
		Total	**9.5 Rakes (Incl RCR)**	**7.6 Rake (Incl RCR)**	**9.5 Rakes (Incl RCR)**	
38	**Painampuram**	MCL	4.0 Rakes (Including SGPL)	4.2 Rakes	2.0 Rake (Including SGPL)	
39	**Tata Power Jojobera**	CCL	1.0 Rake – RCR	0.7 Rake – RCR	1.0 Rake – RCR	
40	**Mahadev Pd./**	CCL	1.0 Rake	1.0 Rake	1.0 Rake	

	Adhunik Power					
41	**Sterlite Energy/ Vedanta**	MCL	1.5 Rake	1.4 Rake	2.0 Rake	
42	**Haldia**	MCL	3.0 Rakes	1.2 Rake	3.0 Rakes	
43	**GMR Kamalanga**	MCL	3.0 Rakes	0.0 Rakes	3.0 Rakes	
44	**Hiranmaye TPS**	MCL	1.5 Rake	1.2 Rake	1.5 Rake	
45	**CESC (Budge Budge)**	ECL	0.5 Rake	0.8 Rake	0.5 Rake	
		BCCL	0.0 Rake	0.6 Rake	0.0 Rake	
		MCL	1.0 Rake	0.2 Rake	1.0 Rake	
		Total	**1.5 Rake**	**1.6 Rake**	**1.5 Rake**	
46	**Binjkote**	SECL	0.5 Rake	0.2 Rake	0.5 Rake	
		MCL	-	-	0.5 Rake	
		Total	**0.5 Rake**	**0.2 Rake**	1.0 Rake	
47	**Hinduja/ Vizag TPS**	MCL	2.5 Rakes	2.6 Rake	4.0 Rakes	
48	**GVK**	CCL	As per Payment			
49	**NTPL**	MCL	0.0 Rake	3.2 Rake	0.0 Rake	
50	**TS Genco**	SCCL	4.0 Rakes	4.5 Rakes	4.0 Rakes	
51	**Singareni Tpp**	SCCL	3.5 Rakes	4.0 Rakes	3.5 Rakes	
52	**DPL**	ECL	0.3 Rake	0.6 Rake	0.3 Rake	
		BCCL	1.0 Rake	1.0 Rake	1.0 Rake	
		MCL	0.25 Rake	0.0 Rake	0.25 Rake	
		TOTAL	**1.55 Rakes**	**1.6 Rakes**	**1.55 Rakes**	
53	**Tenughat**	CCL	2.0 Rakes	1.4 Rakes	2.0 Rakes	
54	**Avantha Bhandar**	MCL	0.5 Rakes	1.0 Rakes	0.5 Rakes	
55	**Raipur Energen**	MCL	0.5 Rake	-	0.5 Rake	
56	**Coastal Energen(TN)**	MCL	-	-	2.0 Rake	Including auction rakes

57	**India Power/ Diselgarh**	CCL	-	-	0.5 Rake	Including auction rakes

- In case of non-payment of dues by the TPP to the coal companies, the coal companies may regulate coal supply below Sub Group targets.
- In case, the monthly allocation of rakes is exhausted for any TPP, coal supply to resume as per Sub Group plan w.e.f. 01.10.2022

ANNEXURE

Ministry of Coal

1. Smt Vismita Tej, Joint Secretary (CPD)
2. Sh. Mukesh Choudhary, Director (CPD)
3. Sh. Marapally, Director (T/NA)

Ministry of Power/CEA

1. Shri. Piyush Singh, Joint Secretary, MoP
2. Shri. Nitin Prakash, CEA

Railway Board/ Zone

1. Shri Avinash Kumar Mishra ED (Coal), Railways Board

Representatives of Power Plants

1. Shri H R Mallick, NTPC
2. Shri Tarun Kumar, DVC
3. Chief Engineer, UPRVUNL
4. Shri Devendra Shirangi, RRVUNL
5. Shri P M Patel, GSECL
6. Director (Coal), Tangedco
7. Shri Rajeev Srivastava, MPPGCL
8. Chief Engineer, APGENCO
9. MD, KPCL
10. Shri Rajesh Kumar Tripathi, Akaltara TPS
11. Shri D S Nag, WBPDCL
12. Shri Tarun Bajaj, Mahatma Gandhi
13. Shri Jatinder Utpal, Rosa

14. Shri Hemant Ahuja, Dhariwal/ Haldia
15. Shri Naresh, Dahanu
16. Shri Jitesh Pal, AdaniTirora/ Kawai/Avantha Bhandar
17. Shri Ankush, Lalitpur/Bajaj Energy
18. Shri Kumar Rajesh, Amravati
19. Shri P. Pandey, CE(Fuel) CSPGCL
20. Shri Akash Saxena, GMR Warora
21. Shri Pravin, TSPL
22. Shri Saravjit Singh ,PSPCL
23. Shri. Lalit Joshi, Anuppur
24. Shri Tarun Chattopadhyay, Prayagraj
25. CE (FM), Mahagenco
26. Shri. Vikram Aggrawal, Pathadi
27. Shri Deepak Goyal, Haldia Energy
28. Shri Mahendra Bhagat, Binjkot
29. Shri Jitesh Pal, Adani Power
30. Shri Raja Sekaran, SE (CA), CEPL Energy

Coal India Limited /SCCL

1. Shri A.K Gupta, General Manager (M&S), CIL, Kolkata
2. Shri Bhimsen Chief Manager (M&S) CIL Delhi
3. GM/HoD(M&S)- ECL, BCCL, CCL, NCL, SECL, MCL
4. Shri J.Allwyn, ED(CM), SCCL

ANNEXURE-P4
Report dtd. 31.03.2023

JPP/ 60 /2023
31.03.2023

The Secretary
Jharkhand State Electricity Regulatory Commission
1st Floor, Jharkhand Housing Board Headquarter (Old Building)
Harmu Housing Colony, Ranchi-834002

Subject: Submission of Report on Fuel Mix for Q3 FY 2022-23

Sir,

This is in reference to the Tariff Order dated 04.11.2022 and earlier Orders dated 14.02.2020 and 27.12.2019, wherein Hon'ble Commission directed Tata Power to submit quarterly report with regard to variations in Coal Mix compared to what had been approved along with reasons for the same. Directive of the Hon'ble Commission in this regard is reproduced below for ready reference:

"A 9: DIRECTIVES

Fuel Mix

9.3 The Commission has observed that due to various reasons, the Petitioner has procured coal from sources other than what had been approved. Such variations lead to a change in the fuel mix and the landed cost. The Petitioner is directed to bring to the notice of the Commission any such changes with regard to coal mix with proper justification on Quarterly basis. Further, the Petitioner is directed to carry out techno-commercial audit to identify the reasons for high energy charge and submit the report within six months of issuance of this Order."

"

In view of the above directive, Tata Power hereby in the enclosed Appendix-A is providing the fuel mix report of Q3 FY 2022-23 for kind consideration of the Hon'ble Commission.

Thanking you,

Yours Sincerely,

(Jagmit Singh Sidhu)
CEO-IEL & Chief - Jamshedpur Operation

Enclosure: Appendix-A.

ANNEXURE-A

Quarterly Report on the Fuel Mix – (Oct-Nov-Dec-2022)

1. The Hon'ble Commission in the Tariff Order dated 04.11.2022 in Case Tariff No. 10 of 2020, Tariff Order dated 14.02.2020 in Case Tariff No. 1 of 2019 and in earlier Tariff Order dated 27.12.2019 in Case Tariff No. 05 of 2018 directed Tata Power to submit quarterly report with regard to variations in Coal Mix compared to what had been approved along with reasons for the same. Directive of the Hon'ble Commission in this regard is reproduced below for ready reference:

   "A 9: DIRECTIVES

   Fuel Mix

   9.3 The Commission has observed that due to various reasons, the Petitioner has procured coal from sources other than what had been approved. Such variations lead to a change in the fuel mix and the landed cost. The Petitioner is directed to bring to the notice of the Commission any such changes with regard to coal mix with proper justification on Quarterly basis. Further, the Petitioner is directed to carry out techno-commercial audit to identify the reasons for high energy charge and submit the report within six months of issuance of this Order."

2. In view of the above directive, Tata Power through the instant submission is submitting the actual fuel Mix for the period Oct 2022 to December 2022, i.e., Quarter 3 (Q3) of FY 2022-23, highlighting the deviations from the approved coal mix in MYT Order dated 04.11.2022 for FY 2022-23 and reasons for the same for kind perusal and consideration of the Hon'ble Commission.

3. In view of above, a summary of, proposed fuel mix and actual fuel mix for Unit 2 and Unit 3 is presented below for Q3 FY 2022-23 for kind perusal and consideration of the Hon'ble Commission:

Unit	Unit 2 Oct 22 - Dec 22		Unit 3 Oct 22 - Dec 22	
Particulars	Approved in MYT Order	Actual	Approved in MYT Order	Actual
Middling	21.81%	6.39%	21.80%	7.40%
ECL Shakti	6.42%	12.85%	6.42%	4.67%
MCL Shakti	13.95%	14.38%	13.95%	14.86%
CCL Shakti	14.49%	18.51%	14.49%	17.83%
CCL Shakti R3	43.33%	13.43%	43.34%	13.68%
CCL SFA Coal	0%	0.00%	0%	0.11%
CCl Shakti WIV	0%	34.22%	0%	41.45%
WB Reject/Tailing	0%	0.23%	0%	0.00%
Total	100.00%	100.00%	100.00%	100.00%

4. The deviations (actual vis-à-vis proposed coal mix) as shown above is mainly due to combined effect of following factors which were beyond the control of Tata Power:
   (a) Increase in Demand of Distribution Licensee compared to initial estimation, thus, requiring more coal than initially projected for meeting the increased demand.
   (b) Supply of CCL allocations under RCR mode in terms of Sub-Group Decision on Coal Supply to Gencos.

(c) Less supply of middling coal from West Bokaro Collieries in view of non-availability of surplus coal

(d) Consumption of remaining small quantity of CCL Special Forward Auction Coal (SFA) coal which was procured earlier in wake of coal crisis across the nation and small quantity of WB reject/tailing coals to build up the stocks.

5. The above reasons are discussed in detail hereunder:

6. With respect to point (a), it is submitted that actual PLF for Unit 2 for 1st two months of Q3(FY 22-23) was higher compared to initial projection in Unit 2. Therefore, to meet the increased demand, Tata Power was required to source additional coal causing variation in the fuel mix. Also, since supply of middling coal was lower, monthly requirement was met by consuming higher Shakti Coal including CCL SHAKTI WIV coal supplied under existing FSAs. In this context, it is further submitted that the linkage under shakti coal is only sufficient corresponding to PLF of 75% and, hence, the balance coal has to be arranged from alternate sources including Middling Coal, other reject coal from collieries of West Bokaro and CCL SFA Coal. The above fact was also highlighted by the Petitioner in the MYT Petition and was acknowledged by the Hon'ble Commission in the MYT Order dated 04.11.2022. The Hon'ble Commission may further appreciate that demand of a distribution licensee is beyond the control of Generating Station and, hence, the above variations is beyond the control of Generating Station.
7. With respect to point (b), it is submitted that in series of directions/notifications of Ministry of Power (MoP) starting from 7.12.2021, it has stressed upon the Generating Companies to import coal considering the increase in demand and also supply from Coal India Limited not being commensurate with the requirements of thermal power plants. It is pertinent to mention that the situation of inadequate coal/depleted coal stocks at Power Stations was at peak during the 1st Quarter of FY 22-23 and same is evident from the fact that MoP increased the blending ratio of Imported coal from 4% as advised in advisory dated 07.12.2021 to 10% in Advisory issued dated 28.04.2022 and, thereafter, issuing directions u/s 11 of the Electricity Act for import of coal. In between the directions to blend was left to Generating Companies. However, supply of coal commensurate to the requirements of the Generating Company has still not improved and accordingly, MoP vide its letter dated 09.01.2023 has once again directed Generating Companies to import coal for blending 6% (by weight) for the remaining period of current FY i.e FY 23 and H1 of next FY (till Sept 2023). MoP's direction dated 09.01.2023 is enclosed as **Annexure-1** for kind reference.
8. It is established, from the above, that there was coal shortage across nation and domestic coal supplies are not able to match the demand. GoI has also recognized the above crisis, thereby, issued various directions to the generating companies for undertaking appropriate steps.
9. In this regard, it is further submitted that the Sub-Group constituted by the Infrastructure Constraints Review Committee comprising of members from MoP, MoC, Railways, CEA, CIL and officials from Generating companies during the weekly review meeting on supply of coal to power sector and supply plan to augment the coal stock at Plants/Gencos having lesser coal stock, has recommended a maximum of 1 Rake in RCR mode from CCL to Jojobera Units 2&3. Sample Minutes of the Sub-Group weekly meetings are enclosed herewith and marked as **Annexure-2** wherein supply plan from CCL to Jojobera plant is indicated as 1 rake RCR and for few weeks supply of 0.4 to 0.5 Rake was through IR mode.

10. Thus, from above, it is established that in wake of nationwide coal crisis and to meet the bare minimum coal requirement at all Gencos/Power Plant, coal supply from CCL to Jojobera unit was constrained to be supplied under Road cum Rail (RCR) mode only. The above restriction has, thus, impacted the actual coal materialization of CCL Shakti coal, lead to supply of CCL WIV Coal and thereby impacted overall coal cost which is beyond the control of Tata Power.
11. Moreover, it is stated that the sourcing of Imported coal could have impacted the Energy Charge Rate severely, however, with all proactive measures, petitioner was able to manage its coal requirements through CIL, Collieries of WB or E-Auction Coal which is also organized by CIL thereby arresting the overall increase in coal cost.
12. With regard to point(c), it is submitted that in view of non-availability of surplus coal considering constraints at their end, West Bokaro Collieries was not in a position to supply coal for IPP Units 2&3 of Jojobera Power Plant in FY 22-23 as envisaged in the MYT Business Plan for meeting the coal requirement over and above the SHAKTI Coal and the same was beyond the control of the Petitioner. However, in Q3 of FY 23 few rakes of middling coal/rejects coal from collieries of West Bokaro have been supplied for maintaining sustained generation from Unit 2 & 3.

Impact on Energy Charge Rate:

13. Pursuant to change in fuel mix due to reasons stated above, the Petitioner assessed the deviations in the Energy Charge Rate for Q3 of FY 2022-23 compared to the ECR approved in the MYT Order for FY 2022-23. Such deviations have been categorized under following heads:
    (a) Variation due to change in GCV/Price of the approved sources which has led to the increase in the coal cost and, hence, such increase/decrease is basically on account of market forces/ recommendation of subgroup which is beyond the control of the Petitioner which is beyond the control of the Petitioner.
    (b) Variation due to change in fuel mix for reasons as stated above.

14. Difference in ECR for Q3 FY 2022-23 compared to ECR approved in the MYT Order for FY 22-23 and effect of each factor as stated above on ECR have been demonstrated in the Table below for kind perusal of the Hon'ble Commission. The detailed workings for the same have been enclosed in **ANNEXURE-3** for kind reference of the Hon'ble Commission. For instant submission, Transit loss has been considered at the Normative Level and, hence, impact of the same on the Energy Charge Rate is nil for the instant submission. However, Tata Power shall update the actual Transit Loss figures at the time of true-up. Similarly, Specific Secondary fuel oil consumption has been considered at the normative level of 0.5 ml/kWh, as stated in Generation Tariff Regulation 2020.

Unit 2:

	Particulars - Unit 2				
Sl.No	**Period**	**Oct 22-Dec 22**			
1	Fuel Mix (In terms of Quantity)	UoM	Approved in MYT Order	Actual (w/o change in fuel mix)	Actual
	Non-SHAKTI Coal	%	21.81%	21.81%	6.62%
	SHAKTI Coal	%	78.19%	78.19%	93.38%
2	Weighted Avg. GCV_{NS} Coal	kCal/Kg	3861	3966	3952
	Weighted Avg. LP_{NS} Coal	Rs/MT	4223	5558	5640
	Weighted Avg. GCV_{S} Coal	kCal/Kg	3816	3850	4030
	Weighted Avg. LP_{S} Coal	Rs/MT	3587	3385	4033
	Weighted Avg. GCV_{EFF} Coal	kCal/Kg	3825	3875	4025
	Weighted Avg. LP_{EFF} Coal	Rs/MT	3725	3859	4139
	Weighted Avg. GCV_{LDO}	KCal/L	9100	10199	10199
	Weighted Avg. LP_{LDO}	Rs/KL	45198	74678	74678
3	ECR_{NS} Coal	Rs/kWh	3.059	3.919	3.990
4	ECR_{S} Coal		2.629	2.459	2.798
5	ECR_{EFF} Coal		2.724	2.785	2.876
6	ECR_{LDO}		0.025	0.041	0.041
7	Discount due to SHAKTI Coal		0.044	0.046	0.041
8	$ECR_{EFF\ (WITH\ SHAKTI\ Discount)}$		2.705	2.780	2.876
9	$ECR_{ACTUAL-PROPOSED}$	Rs/kWh			0.171
	i - Variation due to Change in GCV/Price of Coal				0.075
	ii - Variation due to Change in Fuel Mix of Coal				0.096

Unit 3:

	Particulars - Unit 3				
Sl.No	**Period**	**Oct 22-Dec 22**			
1	Fuel Mix (In terms of Quantity)	UoM	Proposed in MYT Petition	Actual (w/o change in fuel mix)	Actual
	Non-SHAKTI Coal	%	21.80%	21.80%	7.51%
	SHAKTI Coal	%	78.20%	78.20%	92.49%
2	Weighted Avg. GCV_{NS} Coal	kCal/Kg	3860	3965	3950
	Weighted Avg. LP_{NS} Coal	Rs/MT	4223	5559	5528
	Weighted Avg. GCV_{S} Coal	kCal/Kg	3817	3864	3960
	Weighted Avg. LP_{S} Coal	Rs/MT	3713	3389	3956
	Weighted Avg. GCV_{EFF} Coal	kCal/Kg	3826	3886	3959

	Weighted Avg. LP_{EFF} Coal	Rs/MT	3824	3862	4074
	Weighted Avg. GCV_{LDO}	KCal/L	9100	10124	10124
	Weighted Avg. LP_{LDO}	Rs/KL	45196	74334	74334
3	ECR_{NS} Coal	Rs/kWh	3.060	3.921	3.914
4	ECR_{S} Coal		2.722	2.453	2.794
5	ECR_{EFF} Coal		2.796	2.779	2.878
6	ECR_{LDO}		0.025	0.041	0.041
7	Discount due to SHAKTI Coal		0.044	0.054	0.041
8	$ECR_{EFF\ (WITH\ SHAKTI\ Discount)}$		2.777	2.767	2.878
9	$ECR_{ACTUAL-PROPOSED}$	Rs/kWh			0.101
	i - Variation due to Change in GCV/Price of Coal				-0.010
	ii - Variation due to Change in Fuel Mix of Coal				0.111

15. As can be seen from the above Tables, Net ECR for Q3 FY 2022-23 has increased by 17.10 Paise/kWh in Unit 2 and by 10.10 Paise/kWh in Unit 3 respectively compared to approved. Moreover, the above variation is mostly on account of variation in supply of SHAKTI coal and supply of SHAKTI Coal under RCR moder pursuant to directions/recommendations of the Sub-Group Committee constituted by MoP as explained above to ease coal crisis across nation. It is worth mentioning that Tata Power in the Q3 has been able to reduce the ECR from Q2 by 23.1 Paise/kWh (40.20 (Q2)-17.1 (Q3) Paise/kWh in Unit 2 and by 20.2 Paise/kWh (30.30 (Q2)-10.1 (Q3) Paise/kWh) in Unit 3 through its continued efforts.
16. In view of the foregoing, the Petitioner most humbly prays before this Hon'ble Commission for kind consideration of actual fuel mix and the consequent cost for the 3rd Quarter of FY 2022-23 for Unit 2 and Unit 3.

ANNEXURE-1

File No: FU-21/2020-FSC(Vol-IV)
Government of India
Ministry of Power

Shram Shakti Bhawan, Rafi Marg,
New Delhi, dated 9.1.2023

To,

1. Principal Secretaries/Secretary (Power/Energy) of all State Governments/ UTs
2. CMDs, Thermal Generating Stations (Central, State GENCOs/IPPs)

Subject: Direction to all Gencos including Independent Power Producers (IPPs) for timely Import of Coal for blending purposes and maximising production in captive coal mines – reg.

Due to recent surge in demand and consumption of electricity, the share of coal-based generation has increased. Although the supply of coal from all sources has increased, it is not commensurate with the requirements of thermal power plants (TPPs).

2. Ministry of Power (MoP) is very closely monitoring the coal availability for TPPs. Efforts have been made to increase coal availability from all sources (CIL, SECL, Captive) in coordination with Ministry of Coal (MoC). Although coal supply has increased during Q4, it is not adequate to meet the unprecedented increase in the demand of electricity. Similarly efforts have been made to address logistic issues in cooperation with Ministry of Railways (MoR). In order to ease out the logistic pressure on Railways, MoP has planned to transport available coal from MCL region through RSR mode to TPPs located in Northern & Western parts of the country. Accordingly directions have been issued to source 10 to 15% of their requirement through RSR mode to the States of Gujarat, Rajasthan, Maharashtra and Punjab as well as NTPC. Efforts have also been made to address the constraints in transportation of coal (RCR, Road, ARR) through all modes. Despites the above mentioned efforts, it has been noted that the infrastructure related logistic constraints of Railways will take some time to get fully addressed.

3. Grid India (POSOCO) has reported that the energy demand has increased sharply and it is expected to remain at increased level during H1 of 2023-2024. CEA has accordingly revised the target for coal requirement for Q4 of current FY and H1 of next FY. MoC has committed to supply coal to meet the revised target of 197.7 MT, however it is subject to availability of rakes and other logistic issues. As per the past trend, the likely supply of domestic coal during the H1, FY 2023-24 would be around 392 MT. Thus, around 24 MT would be the anticipated shortfall during the H1 of FY 24. It is noted that the shortfall between the daily coal consumption and the daily arrival of domestic coal is ranging from 3 Lakh Tonnes per day to 1 Lakh Tonnes per day. This shortfall is made up by blending with imported coal. It is assessed that coal stock position without blending of imported coal in DCBs will progressively decline to zero which will severely impact power supply position in the country.

4. Import of coal for blending purpose needs to be done in a streamlined manner in order to avoid clogging of logistics. During Q1 & Q2 of FY 23, imported coal stocks at ports piled up due to logistics constraints.

5. In the light of above scenario where energy demand is increasing and increase in supply of coal is not commensurate with the domestic coal requirement, the need has arisen to continue use imported coal for blending purpose. MoP, after consultation with CEA, MoC, MoR and Association of Power Producers (APP) has decided to direct all Gencos to import coal for blending 6% (by weight) for the remaining period of this current FY and H1 of the next FY (upto September, 2023). The domestic coal supply of those Gencos who do not follow these instructions shall be restricted to pro-rata basis. The Central, State Gencos and IPPs are directed to take necessary action and immediately plan to import coal through a transparent competitive procurement for blending at the rate of 6% by weight so as to have coal stocks at their power plants for smooth operations till September 2023.

6. This issues with the approval of Hon'ble Minister of Power & NRE.

(Subhash Chand)
Under Secretary to the Govt. of India

Copy to:

1. Secretary, Ministry of Coal
2. Secretary, CERC/ All SERCs
3. Chairman, Railway Board
4. Chairman, Central Electricity Authority
5. DG, Association of Power Producers (APP)

Copy also to NIC with the request to upload the same on MoP Portal.

NIC

9.1.2023

ANNEXURE-2

F. No.23011/72/2013-CPD (Vol.II) Part (1)
Government of India
Ministry of Coal

Shastri Bhawan, New Delhi,
Date:29.09.2022

OFFICE MEMORANDUM

Subject: - Minutes of 684th meeting of the Sub-Group constituted by Infrastructure Constrains Review Committee to look into the issues of critical power houses.

The undersigned is directed to forward herewith a copy of the minutes of 684th meeting of the Sub-Group held on 28.09.2022 for reviewing the position of critical thermal power stations for information and necessary action.

Encl. as above

29/9/22
(Pardeep Kumar)
Assistant Director

To

1. Sh. Vivek Kumar Dewangan, Additional Secretary, Ministry of Power, Shram Shakti Bhawan, New Delhi.
2. Shri Piyush Singh, JS, M/o Power
3. Sh. Avinash Kumar Mishra, ED (Coal), Ministry of Railways (Railway Board), Rail Bhawan, New Delhi.
4. Sh. Vinay Kumar Prajapati, Director, Ministry of Shipping, Transport Bhawan, New Delhi.
5. Sh. Manoj Kumar Upadhyay, SRO (Power & Energy), NITI Aayog, Yojana Bhavan, New Delhi.
6. Shri Nitin Prakash, Deputy Director, CEA
7. Director (Marketing), CIL, Coal Bhawan, Newtown, Rajarhat, Kolkata-700156.
8. R.O, SCCL, 526, Hawa Singh Block, Khel Gaon, New Delhi.
9. Sh. Bhimsen, SM, CIL, Scope Minar, Laxmi Nagar, New Delhi.
10. Sh. Dileep Kumar, ED (Corp FM), NTPC, Room No. 124, R&D Building, A-8A, Sector-24, Noida.
11. Sh. A.K. Gupta, General Manager (S&M), CIL, Newtown, Rajarhat, Kolkata-700156.
12. CMDs of ECL/BCCL/CCL/NCL/SECL/MCL/WCL/SCCL.
13. CMD, TANGEDCO, RRVUNL, WBPDCL, APGENCO, GSECL, UPRVUNL, MAHAGENCO, HPGCL, KPCL

Copy to:
(i) PS to AS (VKT)
(ii) PS to JS (CPD)
(iii) PS to Dir. (CPD)
(iv) PS to Dir (T) NA

Copy to: Cabinet Secretariat (Under Secretary, CA-3)

Minutes of the Sub Group meeting held on 28.09.2022 to review Infrastructure Constraints

The meeting of the Sub-Group constituted by the Infrastructure Constraints Review Committee was held on 28.09.2022 at 12.30 PM through Video Conferencing. It was chaired by Joint Secretary (CPD), Ministry of Coal and attended by officials of MoC, MoP, Railway Board, CEA, SCCL, NTPC, DVC, State Gencos & IPPs, as well as CIL Kolkata/Subsidiaries HQ/CIL Delhi.

List of Participants is at ANNEXURE.

Subgroup Decisions on Coal Supply to Gencos. /Plants:

S. No.	Genco/ Power Plant	Coal Co.	Supply Plan / Supply as per Subgroup Decision Dtd: 22.09.2022		Supply Plan as per Subgroup decision 28.09.22	Remarks
			Plan	Actual Supply		
1	**DVC**	ECL	3 Rakes	2.8 Rakes	3 Rakes	
		BCCL	6 Rakes	5.0 Rakes	6 Rakes	
		CCL	3 Rakes	2.4 Rakes	3 Rakes	
		MCL	5 Rakes	2.0 Rakes	5 Rakes	
		Total	**17 Rakes**	**12.2 Rakes**	**17 Rakes**	
2	**NTPC & JV**	ECL	11 Rakes	8.6 Rakes	11 Rakes	46000 TPD Supply through MGR to NTPC Sipat is still not achieved by the SECL. SECL needs to take needful action in this regard.
		BCCL	4 Rakes	3.6 Rakes	4 Rakes	
		CCL	17 Rakes	9.6 Rakes	17 Rakes	
		NCL	13 Rakes	12.6 Rakes	13 Rakes	
		WCL	5 Rakes	3.6 Rakes	5 Rakes	
		SECL	5 Rakes	4.4 Rakes	5 Rakes	
		MCL	29 Rakes	28.0 Rakes	29 Rakes	
		SCCL	7 Rakes	5.9 Rakes	5 Rakes	
		Total	**91 Rakes**	**76.3 Rakes**	**89 Rakes**	
3	**UPRVUNL**	BCCL	4 Rakes	3.4 Rakes	4 Rakes	
		CCL	4 Rakes	2.2 Rakes	4 Rakes	

		NCL	6 Rakes	6.6 Rakes	6 Rakes	Outstanding Dues accumulated to Rs.1000 Cr.
		Total	**14 Rakes**	**12.2 Rakes**	**14 Rakes**	
4	**RRVUNL**	NCL	6 Rakes	5.6 Rakes	6 Rakes	
		SECL	4 Rakes	2.8 Rakes	4 Rakes 4 Rakes (RCR)	
		MCL	6.5 Rakes	5.0 Rakes	6.5 Rakes	
		Total	**16.5 Rakes**	**13.4 Rakes**	**20.5 Rakes**	
5	**GSECL**	WCL	2.5 Rakes	1.0 Rake	2.5 Rakes	
		SECL	3.0 Rake 30,000Te – RCR mode	2.0 Rakes 14,000Te – RCR mode	3.0 Rake 30,000Te – RCR mode	
		Total	**6.5 Rakes+ RCR**	**4.0 Rakes + RCR**	**5.5 Rakes+ RCR**	
6	**PSPCL**	BCCL	0.5 Rake	0.0 Rake	0.5 Rake	
		CCL	0.5 Rake 3.0 Rake RCR	0.4 Rake 2.2 Rake RCR	0.5 Rake 3.0 Rake RCR	
		Total	**4.0 Rake (Incl. RCR)**	**2.6 Rake (Incl. RCR)**	**4.0 Rake (Incl. RCR)**	
7	**HPGCL**	ECL	0.75 Rake	0.4 Rake	0.75 Rake	
		BCCL	1.0 Rake	0.8 Rake	1.0 Rake	
		CCL	2.0 Rakes	1.2 Rake	2.0 Rakes	
		NCL	1.0 Rakes	0.8 Rake	1.0 Rakes	
		MCL	3.0 Rake	3.2 Rake	3.0 Rake	
		Total	**7.75 Rakes**	**6.4 Rake**	**7.75 Rakes**	

8	**MAHAGENCO**	WCL	12 Rakes	9.4 Rakes	12 Rakes	
		SECL	1 Rake	1.0 Rake	1 Rake	
		MCL	4 Rake	2.8 Rake	4 Rake	
		SCCL	5 Rakes	3.9 Rake	4 Rakes	
		Total	**22 Rakes**	**17.1 Rakes**	**21 Rakes**	
9	**MPPGCL**	NCL	0.0 Rake 1.0 Rake-RCR	0.0Rakes	0.0 Rake 1.0 Rake-RCR	Railways needs to prioritize supply to Sanjay Gandhi TPS. Genco needs to increase lifting of coal in Road/RCR.
		WCL	1.0 Rake	0.6 Rakes	1.0 Rake	
		SECL	7.0 Rakes (without RCR/ Logistic) 2.5 Rake RCR	5.4 Rakes 0.9 Rake (RCR)	7.0 Rakes (without RCR/ Logistic) 2.5 Rake RCR	
		Total	**11.5 Rakes (Incl. RCR)**	**6.9 Rakes (Incl RCR)**	**11.5 Rakes (Incl. RCR)**	
10	**TANGEDCO**	MCL	10.0 Rakes 3.0 Rakes (RCR)	8.2 Rakes 0.6 Rake(RCR)	10.0 Rakes 3.0 Rakes (RCR)	Genco needs to clear outstanding dues of the coal company.
11	**APGENCO & APPDCL**	MCL	9.5 Rakes (5.0 RSR+4.5 ARR) 4.0 Rakes-RCR	7.2 Rakes 8.7 Rakes RCR	9.5 Rakes (5.0 RSR+4.5 ARR) 4 Rakes-RCR	
		SCCL	3.0 Rakes	2.9 Rakes	4.0 Rakes	
		Total	**16.5 Rakes (Incl. RCR)**	**18.8 Rakes**	**17.5Rakes (Incl. RCR)**	
12	**KPCL**	WCL	1.0 Rakes	0.0 Rake	2.0 Rakes	

		MCL	0.0 Rakes	0.0 Rakes	0.0 Rakes	Genco needs to clear outstanding dues of the coal company.
		SCCL	4.0 Rakes	2.9 Rake	6.0 Rakes	
		Total	**5.0 Rakes (Incl. RCR)**	**3.6 Rake**	**8.0 Rakes**	
13	**WBPDCL**	ECL	2.5 Rake	3.0 Rake	2.5 Rake	
		BCCL	3.0 Rake	3.0 Rake	3.0 Rake	
		MCL	3.0 Rake	1.2 Rake	3.0 Rake	
		CCL	2.0 Rake	1.2 Rake	2.0 Rake	
		Total	**10.5 Rake**	**8.4 Rake**	**10.5 Rake**	
14	**CSPGCL**	SECL	24,000 Belt 1.0 IR Rake	13,200 Belt 1.0 Rake	24,000 Belt 1.0 IR Rake	
15	**Mahatma Gandhi/ Jhajjar**	ECL	0.25 Rake	0.4 Rake	0.25 Rake	
		BCCL	1.0 Rake	1.2 Rake	1.0 Rake	
		CCL	1.5 Rakes	1.2 Rakes	1.0 Rakes	
		NCL	0.5 Rake	0.2 Rakes	0.0 Rake	
		Total	**3.25 Rakes**	**3.0 Rakes**	**2.25 Rakes**	
16	**Nabha Power**	CCL	1.5 Rake – RCR	0.0 Rake – RCR	1.5 Rake – RCR	
		NCL	1.5 Rakes	1.2 Rake	1.5 Rakes	
		SECL	1.5 Rakes	0.8 Rakes	1.5 Rakes	
		Total	**4.5 Rakes (Incl. RCR)**	**2.0 Rake (Incl. RCR)**	**4.5 Rakes (Incl. RCR)**	

17	**Talwandi Sabo**	CCL	1.75 Rake (RCR)	1.1 Rake (RCR)	1.75 Rake (RCR)	The rail track at plant was submerged under water for 1 day, leading to restrictions by railways. Coal stock is depleting and Railways to prioritize supply to the power plant. More rakes can be front loaded from NCL for October month to meet requirement.
		NCL	0.8 Rake	0.2 Rake	0.8 Rake	
		MCL	6.0 Rakes	2.8 Rakes	6.0 Rakes	
		Total	**8.55 Rakes (Incl. RCR)**	**4.1 Rakes (Incl. RCR)**	**8.55 Rakes (Incl. RCR)**	
18	**Kawai TPP**	NCL	2.0 Rakes	2.0 Rakes	2.0 Rakes	
		SECL	1.0 Rakes	0.6 Rake	1.0 Rakes	
		Total	**3.0 Rakes**	**2.6 Rakes**	**3.0 Rakes**	
19	**Lalitpur**	CCL	1.5 Rake 3.0 Rake (RCR)	0.2 Rakes 2.4 Rake (RCR)	1.5 Rake 3 Rake (RCR)	
		NCL	1.5 Rake	1.0 Rake	1.5 Rake	
		SECL	0.8 Rake	0.4 Rake	0.8 Rake	
		Total	**6.8 Rake (Incl. RCR)**	**4.0 Rake(Incl. RCR)**	**6.8 Rake (Incl. RCR)**	
20	**Prayagraj TPP**	NCL	4.0 Rakes 4 Rakes (RCR)	3.8 Rakes 1.9 Rakes (RCR)	5.0 Rakes 4 Rakes (RCR)	
		Total	**8.0 Rakes (Incl. RCR)**	**5.7 Rakes (Incl. RCR)**	**9.0 Rakes (Incl. RCR)**	
21	**Bajaj Group**	NCL	0.5 Rake 0.5 Rake RCR	0.4 Rake 0.7 Rake (RCR)	0.5 Rake 0.5 Rake RCR	
		Total	**1.0 Rake (Incl. RCR)**	**1.1 Rake Incl. RC**	**1.0 Rake (Incl. RCR)**	

22	**Rosa TPP**	CCL	3.5 Rakes	3.0 Rakes	3.5 Rakes	Genco inform that RCR Lifting issues is being resolved.
23	**Unchpinda**	SECL	0.5 Rake	0.4 Rake	0.5 Rake	
24	**Balco TPS**	SECL	0.25 Rake	0.2 Rake	0.25 Rake	1.20 LT imported coal lying at Port.
25	**Dhariwal TPS**	SECL	1.0 Rakes	0.6 Rakes	1.0 Rakes	
		WCL	0.7 Rake	0.4 Rake	0.7 Rake	
		Total	**1.7 Rake**	**1.0 Rake**	**1.7 Rake**	
26	**Sabarmati**	SECL	1.5 Rake	0.6 Rake	1.5 Rake	
27	**Seioni / Jhabua**	SECL	1.5 Rake	1.0 Rake	1.5 Rake	
		MCL	0.5 Rake	0.6 Rake	0.5 Rake	
		Total	**2.0 Rake**	**1.6 Rake**	**2.0 Rake**	
28	**Pathadi TPS**	SECL	0.5 Rake	0.4 Rake	0.5 Rake	
29	**Anuppur (MB Power)**	SECL	1.5 Rake – 2 Rake- RCR	1.4 Rake 0.5 Rake RCR	1.0 Rake – 2 Rake- RCR	Railways to ensure supply 3 rakes/day from Vizag Port for imported coal.
		MCL	1.5 Rake	1.0 Rake	1.0 Rake	
		Total	**5.0 Rake (Incl. RCR)**	**2.9 Rake (Incl. RCR)**	**4.0 Rake (Incl. RCR)**	
30	**Baradhara TPS/DB Power**	SECL	1.5Rake	1.8 Rake	1.0 Rake	
		MCL	1.5 Rake	0.8 Rake	1.5 Rake	
		CCL			0.5 Rake	
		Total	**3.0 Rake**	**2.6 Rake**	**3.0 Rake**	
31	**Akaltara TPS**	SECL	3.0 Rake 1.5 Rake RCR	2.2 Rakes 0.4 Rake RCR	2.0 Rake 1.5 Rake RCR	
		MCL	1.0 Rake	0.6 Rake	1.0 Rake	

		Total	**5.5 Rake Incl. RCR**	**3.2 Rake (incl. RCR)**	**4.5 Rake Incl. RCR**	
32	**Bina**	CCL	0.5 Rake	0.4 Rake	0.5 Rake	
		SECL	0.5 Rake (RCR)	0.9 Rake RCR	0.5 Rake (RCR)	
		Total	**1.0 Rake (Incl. RCR)**	**1.3 Rake (Incl. RCR)**	**1.0 Rake (Incl. RCR)**	
33	**Amravati**	SECL	4.0 Rakes 2.0 Rakes (RCR)	2.6 Rake 0.4 Rake (RCR)	5.0 Rakes 2 Rakes (RCR)	
		Total	**6.0 Rakes (Incl. RCR)**	**3.0 Rakes (Incl. RCR)**	**7.0 Rakes (Incl. RCR)**	
34	**Dahanu**	SECL	1.5 Rakes	1.4 Rake	2.0 Rakes	
35	**Wardha Warora**	WCL	Coal Supply as per payment.			
36	**GMR Warora**	SECL	1.0 rake	0.4 Rakes	1.0 rake	
37	**Adani Tirora**	SECL	5.5 Rakes	5.4 Rakes	5.5 Rakes	
		WCL	3.0 Rakes (RCR)	2.2 Rakes (RCR)	3.0 Rakes (RCR)	
		MCL	1.0 Rake	0.0 Rake	1.0 Rake	
		Total	**9.5 Rakes (Incl RCR)**	**7.6 Rake (Incl RCR)**	**9.5 Rakes (Incl RCR)**	
38	**Painampuram**	MCL	4.0 Rakes (Including SGPL)	4.2 Rakes	2.0 Rake (Including SGPL)	
39	**Tata Power Jojobera**	CCL	1.0 Rake – RCR	0.7 Rake – RCR	1.0 Rake – RCR	
40	**Mahadev Pd./**	CCL	1.0 Rake	1.0 Rake	1.0 Rake	

	Adhunik Power					
41	**Sterlite Energy/ Vedanta**	MCL	1.5 Rake	1.4 Rake	2.0 Rake	
42	**Haldia**	MCL	3.0 Rakes	1.2 Rake	3.0 Rakes	
43	**GMR Kamalanga**	MCL	3.0 Rakes	0.0 Rakes	3.0 Rakes	
44	**Hiranmaye TPS**	MCL	1.5 Rake	1.2 Rake	1.5 Rake	
45	**CESC (Budge Budge)**	ECL	0.5 Rake	0.8 Rake	0.5 Rake	
		BCCL	0.0 Rake	0.6 Rake	0.0 Rake	
		MCL	1.0 Rake	0.2 Rake	1.0 Rake	
		Total	**1.5 Rake**	**1.6 Rake**	**1.5 Rake**	
46	**Binjkote**	SECL	0.5 Rake	0.2 Rake	0.5 Rake	
		MCL	-	-	0.5 Rake	
		Total	**0.5 Rake**	**0.2 Rake**	1.0 Rake	
47	**Hinduja/ Vizag TPS**	MCL	2.5 Rakes	2.6 Rake	4.0 Rakes	
48	**GVK**	CCL	As per Payment			
49	**NTPL**	MCL	0.0 Rake	3.2 Rake	0.0 Rake	
50	**TS Genco**	SCCL	4.0 Rakes	4.5 Rakes	4.0 Rakes	
51	**Singareni Tpp**	SCCL	3.5 Rakes	4.0 Rakes	3.5 Rakes	
52	**DPL**	ECL	0.3 Rake	0.6 Rake	0.3 Rake	
		BCCL	1.0 Rake	1.0 Rake	1.0 Rake	
		MCL	0.25 Rake	0.0 Rake	0.25 Rake	
		TOTAL	**1.55 Rakes**	**1.6 Rakes**	**1.55 Rakes**	
53	**Tenughat**	CCL	2.0 Rakes	1.4 Rakes	2.0 Rakes	
54	**Avantha Bhandar**	MCL	0.5 Rakes	1.0 Rakes	0.5 Rakes	
55	**Raipur Energen**	MCL	0.5 Rake	-	0.5 Rake	
56	**Coastal Energen(TN)**	MCL	-	-	2.0 Rake	Including auction rakes

57	**India Power/ Diselgarh**	CCL	-	-	0.5 Rake	Including auction rakes

- In case of non-payment of dues by the TPP to the coal companies, the coal companies may regulate coal supply below Sub Group targets.
- In case, the monthly allocation of rakes is exhausted for any TPP, coal supply to resume as per Sub Group plan w.e.f. 01.10.2022

ANNEXURE

Ministry of Coal

1. Smt Vismita Tej, Joint Secretary (CPD)
2. Sh. Mukesh Choudhary, Director (CPD)
3. Sh. Marapally, Director (T/NA)

Ministry of Power/CEA

1. Shri. Piyush Singh, Joint Secretary, MoP
2. Shri. Nitin Prakash, CEA

Railway Board/ Zone

1. Shri Avinash Kumar Mishra ED (Coal), Railways Board

Representatives of Power Plants

1. Shri H R Mallick, NTPC
2. Shri Tarun Kumar, DVC
3. Chief Engineer, UPRVUNL
4. Shri Devendra Shirangi, RRVUNL
5. Shri P M Patel, GSECL
6. Director (Coal), Tangedco
7. Shri Rajeev Srivastava, MPPGCL
8. Chief Engineer, APGENCO
9. MD, KPCL
10. Shri Rajesh Kumar Tripathi, Akaltara TPS
11. Shri D S Nag, WBPDCL
12. Shri Tarun Bajaj, Mahatma Gandhi
13. Shri Jatinder Utpal, Rosa

14. Shri Hemant Ahuja, Dhariwal/ Haldia
15. Shri Naresh, Dahanu
16. Shri Jitesh Pal, AdaniTirora/ Kawai/Avantha Bhandar
17. Shri Ankush, Lalitpur/Bajaj Energy
18. Shri Kumar Rajesh, Amravati
19. Shri P. Pandey, CE(Fuel) CSPGCL
20. Shri Akash Saxena, GMR Warora
21. Shri Pravin, TSPL
22. Shri Saravjit Singh ,PSPCL
23. Shri. Lalit Joshi, Anuppur
24. Shri Tarun Chattopadhyay, Prayagraj
25. CE (FM), Mahagenco
26. Shri. Vikram Aggrawal, Pathadi
27. Shri Deepak Goyal, Haldia Energy
28. Shri Mahendra Bhagat, Binjkot
29. Shri Jitesh Pal, Adani Power
30. Shri Raja Sekaran, SE (CA), CEPL Energy

Coal India Limited /SCCL

1. Shri A.K Gupta, General Manager (M&S), CIL, Kolkata
2. Shri Bhimsen Chief Manager (M&S) CIL Delhi
3. GM/HoD(M&S)- ECL, BCCL, CCL, NCL, SECL, MCL
4. Shri J.Allwyn, ED(CM), SCCL

F. No.23011/72/2013-CPD (Vol.II) Part (1)
Government of India
Ministry of Coal

Shastri Bhawan, New Delhi,
Date: 21.10.2022

OFFICE MEMORANDUM

Subject: - Minutes of 687th meeting of the Sub-Group constituted by Infrastructure Constrains Review Committee to look into the issues of critical power houses.

The undersigned is directed to forward herewith a copy of the minutes of 687th meeting of the Sub-Group held on 20.10.2022 for reviewing the position of critical thermal power stations for information and necessary action.

Encl. as above

21/10/22
(Pardeep Kumar)
Assistant Director

To

1. Sh. Vivek Kumar Dewangan, Additional Secretary, Ministry of Power, Shram Shakti Bhawan, New Delhi.
2. Shri Piyush Singh, JS, M/o Power
3. Sh. Avinash Kumar Mishra, ED (Coal), Ministry of Railways (Railway Board), Rail Bhawan, New Delhi.
4. Sh. Vinay Kumar Prajapati, Director, Ministry of Shipping, Transport Bhawan, New Delhi.
5. Sh. Manoj Kumar Upadhyay, SRO (Power & Energy), NITI Aayog, Yojana Bhavan, New Delhi.
6. Shri Nitin Prakash, Deputy Director, CEA
7. Director (Marketing), CIL, Coal Bhawan, Newtown, Rajarhat, Kolkata-700156.
8. R.O, SCCL, 526, Hawa Singh Block, Khel Gaon, New Delhi.
9. Sh. Bhimsen, SM, CIL, Scope Minar, Laxmi Nagar, New Delhi.
10. Sh. Dileep Kumar, ED (Corp FM), NTPC, Room No. 124, R&D Building, A-8A, Sector- 24, Noida.
11. Sh. A.K. Gupta, General Manager (S&M), CIL, Newtown, Rajarhat, Kolkata-700156.
12. CMDs of ECL/BCCL/CCL/NCL/SECL/MCL/WCL/SCCL.
13. CMD, TANGEDCO, RRVUNL, WBPDCL, APGENCO, GSECL, UPRVUNL, MAHAGENCO, HPGCL, KPCL

Copy to:
(i) PS to AS (VKT)
(ii) PS to JS (CPD)
(iii) PS to Dir. (CPD)
(iv) PS to Dir (T) NA

Copy to: Cabinet Secretariat (Under Secretary, CA-3)

Minutes of the Sub Group meeting held on 20.10.2022 to review Infrastructure Constraints

The meeting of the Sub-Group constituted by the Infrastructure Constraints Review Committee was held on 20.10.2022 at 11:30 AM through Video Conferencing. It was chaired by Joint Secretary (CPD), Ministry of Coal and attended by officials of MoC, MoP, Railway Board, CEA, SCCL, NTPC, DVC, State Gencos & IPPs, as well as CIL Kolkata/Subsidiaries HQ/CIL Delhi.

List of Participants is at ANNEXURE.

S. No.	Genco/ Power Plant	Coal Company	Supply Plan / Supply as per Subgroup Decision Dated: 13.10.2022		Supply Plan as per Subgroup decision 20.10.2022	Remarks
			Plan	Actual Supply		
1	**DVC**	ECL	3 Rakes	2.5Rakes	3 Rakes	About 2.78 LT coal lying at GSS, Railways needs to supply rakes for liquidation. Genco to expedite pending RCR booking/lifting
		BCCL	6 Rakes	6.7 Rakes	6 Rakes	
		CCL	3 Rakes	3.8 Rakes	3 Rakes	
		MCL	5 Rakes	2.7 Rakes	5 Rakes	
		Total	**17 Rakes**	**15.7 Rakes**	**17 Rakes**	
2	**NTPC & JV**	ECL	11 Rakes	11.2 Rakes	11 Rakes	CCL to supply as per sub-group plan. Railways to materialize rakes from MCL as per the Sub Group plan. Genco requested Railways for supply of rakes at Dhamra Port for imported coal.
		BCCL	4 Rakes	4.2Rakes	4 Rakes	
		CCL	17 Rakes	11.3 Rakes	17 Rakes	
		NCL	13 Rakes	13.2 Rakes	13 Rakes	
		WCL	5 Rakes	4.0 Rakes	5 Rakes	
		SECL	5 Rakes	4.3 Rakes	5 Rakes	
		MCL	29 Rakes	25.2 Rakes	29 Rakes	
		SCCL	5 Rakes	3.7 Rakes	5 Rakes	
		Total	**89 Rakes**	**77.1 Rakes**	**89 Rakes**	
3	**UPRVUNL**	BCCL	4 Rakes	3.2 Rakes	4 Rakes	Paricha still needs prioritization from Railways. Genco to enhance RCR lifting of coal allocated.
		CCL	4 Rakes	2.7 Rakes	4 Rakes	
		NCL	6 Rakes	6.2 Rakes	6 Rakes	
		Total	**14 Rakes**	**12.1 Rakes**	**14 Rakes**	

4	**RRVUNL**	NCL	6 Rakes	5.0 Rakes	6 Rakes	Genco informed that production from captive has commenced. Presently1 rake/day is being supplied from captive coal block which is likely to increase from this week onwards. 4.0 LT coal is lying at washery and same needs to be liquidated.
		SECL	4 Rakes 4 Rakes (RCR)	3.5 Rakes 4.5 Rakes	5 Rakes 4 Rakes (RCR)	
		MCL	6.5 Rakes	3.7 Rakes	6.5 Rakes	
		Total	**20.5 Rakes**	**16.7 Rakes**	**21.5 Rakes**	
5	**GSECL**	WCL	2.5 Rakes	2.0 Rake	2.5 Rakes	RCR lifting is only 19000 TPD against the target of 30000 TPD. Genco needs to increase.
		SECL	3.0 Rake 30,000Te – RCR mode	2.0Rakes 4.5 Rakes	3.0 Rake 30,000Te – RCR mode	
		NCL	0.3 Rake	0 Rake	0.3 Rake	
		Total	**5.8 Rakes+ RCR**	**8.5 Rakes (Including RCR)**	**5.8 Rakes+ RCR**	
6	**PSPCL**	BCCL	0.5 Rake	0.2 Rake	0.5 Rake	CIL to expedite allocation matter pending in respect of Talwandi Saboo & Nabha Power.
		CCL	0.5 Rake 3.0 Rake RCR	0.3 Rake 2.0 Rake RCR	0.5 Rake 3.0 Rake RCR	
		Total	**4.0 Rake (Incl. RCR)**	**2.5 Rake (Incl. RCR)**	**4.0 Rake (Incl. RCR)**	
7	**HPGCL**	ECL	0.75 Rake	0.8 Rake	0.75 Rake	Genco to expedite RCR booking/lifting for enabling built up of stock.
		BCCL	1.0 Rake	1.7 Rake	1.0 Rake	
		CCL	2.0 Rakes	1.3 Rake	3.0 Rakes	
		NCL	1.0 Rakes	1.0 Rake	1.0 Rakes	
		MCL	2.0 Rake	1.3 Rake	2.0 Rake	
		WCL	1.0 Rake	-	1.0 Rake	
		Total	**7.75 Rakes**	**6.1 Rake**	**8.75 Rakes**	
8	**MAHAGENCO**	WCL	12 Rakes	7.8 Rakes	12 Rakes	Genco to take necessary actions for reducing detention time of rakes.
		SECL	1 Rake	0.3 Rake	1 Rake	
		MCL	4 Rake	2.0 Rake	4 Rake	

		SCCL	4 Rakes	2.6 Rake	4 Rakes	
		Total	**21 Rakes**	**12.7 Rakes**	**21 Rakes**	
9	**MPPGCL**	NCL	1.0 Rake 1.0 Rake- RCR	1.0 Rakes 0.5 Rake	1.0 Rake 1.0 Rake- RCR	Genco is lifting only 2500 TPD against the target of 10000 TPD and same needs to increase.
		WCL	1.0 Rake	1.0 Rakes	1.0 Rake	
		SECL	7.0 Rakes (without RCR/Logistic) 2.5 Rake RCR	5.5 Rakes 0.5 Rake (RCR)	7.0 Rakes (without RCR/Logistic) 2.5 Rake RCR	
		Total	**12.5 Rakes (Incl. RCR)**	**8.5 Rakes (Incl RCR)**	**12.5 Rakes (Incl. RCR)**	
10	**TANGEDCO**	MCL	11.0 Rakes 3.0 Rakes (RCR)	10.7 Rakes 0.0 Rake(RCR)	13.0 Rakes 3.0 Rakes (RCR)	Railways is requested to augment supply of rakes at GSS.
		SCCL	-	-	1 Rake	
		Total	**14 Rakes (Incl RCR)**	**10.7 Rakes (Incl RCR)**	**17 Rakes (Incl. RCR)**	
11	**APGENCO & APPDCL**	MCL	12 Rakes 4 Rakes-RCR	5.7 Rakes 0.0 Rakes RCR	12 Rakes 4 Rakes-RCR	MCL to supply as per plan. SCCL raised the issue of high unloading time which needs to be resolved.
		SCCL	4.5 Rakes	2.0 Rakes	5.5 Rakes	
		Total	**20.5 Rakes (Incl. RCR)**	**7.7 Rakes**	**21.5 Rakes (Incl. RCR)**	
12	**KPCL**	WCL	2.0 Rakes	0.7Rake	2.0 Rakes	WCL to supply rakes as per the plan given.
		SCCL	7.0 Rakes	5.1 Rake	8.0 Rakes	
		Total	**9.0 Rakes**	**5.8 Rake**	**10.0 Rakes**	
13	**WBPDCL**	ECL	1.5 Rake	2.3 Rake	1.5 Rake	Genco to enhance supply from captive mines.
		BCCL	2.0 Rake	1.8 Rake	2.0 Rake	
		MCL	2.0 Rake	1.3 Rake	1.0 Rake	
		Total	**5.5 Rake**	**5.4 Rake**	**4.5 Rake**	
14	**CSPGCL**	SECL	24,000 Belt 1.0 IR Rake	19,500 Belt 1.0 Rake	24,000 Belt 1.0 IR Rake	

15	**Mahatma Gandhi/ Jhajjar**	ECL	0.25 Rake	0.3 Rake	0.25 Rake	
		BCCL	1.0 Rake	0.3 Rake	1.0 Rake	
		CCL	1.0 Rakes	0.8 Rakes	1.0 Rakes	
		Total	**2.25 Rakes**	**1.4 Rakes**	**2.25 Rakes**	
16	**Nabha Power**	CCL	1.5 Rake – RCR	0.5 Rake – RCR	1.5 Rake – RCR	
		NCL	2.0 Rakes	1.8Rake	2.0 Rakes	
		SECL	1.5 Rakes	1.3 Rake	1.5 Rakes	
		Total	**5.0 Rakes (Incl. RCR)**	**3.6 Rake (Incl. RCR)**	**5.0 Rakes (Incl. RCR)**	
17	**Talwandi Sabo**	CCL	1.75 Rake (RCR)	1.0 Rake (RCR)	1.75 Rake (RCR)	Railways to prioritize coal supply to the plant.
		NCL	0.8 Rake	0.5 Rake	0.8 Rake	
		MCL	6.5 Rakes	4.7 Rakes	6.5 Rakes	
		Total	**9.05 Rakes (Incl. RCR)**	**6.2 Rakes (Incl. RCR)**	**9.05 Rakes (Incl. RCR)**	
18	**Kawai TPP**	NCL	2.0 Rakes	1.8 Rakes	2.0 Rakes	
		SECL	1.0 Rakes	0.8 Rake	1.0 Rakes	
		TOTAL	**3.0 Rakes**	**2.6 Rakes**	**3.0 Rakes**	
19	**Lalitpur**	CCL	1.5 Rake 3 Rake (RCR)	0.7 Rakes 3.0 Rake (RCR)	1.5 Rake 3 Rake (RCR)	
		NCL	1.5 Rake	1.2 Rake	1.5 Rake	
		SECL	0.8 Rake	0.5 Rake	0.8 Rake	
		MCL	-	-	0.2 Rake	
		Total	**6.8 Rake (Incl. RCR)**	**5.4 Rake(Incl. RCR)**	**7.0 Rake (Incl. RCR)**	
20	**Prayagraj TPP**	NCL	5.0 Rakes 4.0 Rakes (RCR)	4.7 Rakes 0.7 Rakes (RCR)	4.0 Rakes 4.0 Rakes (RCR)	Genco is lifting only 4000 TPD against the target of 16000 TPD under RCR. Same needs to increase.
		Total	**9.0 Rakes (Incl. RCR)**	**5.4Rakes (Incl. RCR)**	**8.0 Rakes (Incl. RCR)**	
21	**Bajaj Group**	NCL	0.5 Rake 0.5 Rake RCR	0.3Rake 0.5 Rake (RCR)	0.5 Rake 0.5 Rake RCR	

		Total	**1.0 Rake (Incl. RCR)**	**0.8 Rake Incl. RCR**	**1.0 Rake (Incl. RCR)**	
22	**Rosa TPP**	CCL	3.5 Rakes	3.3 Rakes	4.0 Rakes	RCR lifting is yet to start.
23	**Unchpinda**	SECL	1.0 Rake	0.8 Rake	1.5 Rake	
24	**Balco TPS**	SECL	0.75 Rake	1.0 Rake	0.75 Rake	
25	**Dhariwal TPS**	SECL	1.0 Rakes	0.5 Rakes	1.2 Rakes	
		WCL	0.7 Rake	0.8 Rake	0.7 Rake	
		MCL	0.3 Rake	0.7 Rakes	0.3 Rake	
		Total	**2.0 Rake**	**2.0 Rake**	**2.2 Rake**	
26	**Sabarmati**	SECL	1.5 Rake	1.0 Rake	1.5 Rake	
27	**Seioni / Jhabua**	SECL	1.5 Rake	1.0 Rake	1.5 Rake	
		MCL	0.5 Rake	0.2 Rake	0.5 Rake	
		Total	**2.0 Rake**	**1.2 Rake**	**2.0 Rake**	
28	**Pathadi TPS**	SECL	0.5 Rake	0.5 Rake	1.0 Rake	
29	**Anuppur (MB Power)**	SECL	1.0 Rake – 2 Rake- RCR	0.8 Rake 0.5 Rake RCR	1.0 Rake – 2 Rake- RCR	Genco was informed that lifting under RCR was poor. The same has to increase for building up of stock at the plant end.
		MCL	1.0 Rake	0.2 Rake	1.0 Rake	
		Total	**4.0 Rake (Incl. RCR)**	**1.5 Rake (Incl. RCR)**	**4.0 Rake (Incl. RCR)**	
30	**Baradhara TPS/DB Power**	SECL	2.0 Rake	1.7 Rake	2.5 Rake	
		CCL	0.5 Rake	0.3 Rake	0.5 Rake	
		Total	**2.5 Rake**	**2.0 Rake**	**3.0 Rake**	
31	**Akaltara TPS**	SECL	2.0 Rake 1.5 Rake RCR	1.8 Rakes 0.5 Rake RCR	2.0 Rake 1.5 Rake RCR	RCR lifting needs to increase. Railways needs to provide rakes at vizag port for liquidation of imported coal.
		MCL	1.0 Rake	0.5 Rake	1.0 Rake	
		Total	**4.5 Rake Incl. RCR**	**2.8 Rake (incl.RCR)**	**4.5 Rake Incl. RCR**	
32	**Bina**	CCL	0.5 Rake	0.2 Rake	0.5 Rake	
		SECL	0.5 Rake (RCR)	0.5 Rake RCR	0.5 Rake (RCR)	

		Total	**1.0 Rake (Incl. RCR)**	**0.7 Rake (Incl. RCR)**	**1.0 Rake (Incl. RCR)**	
33	**Amravati**	SECL	5.0 Rakes 2 Rakes (RCR)	3.2 Rake 0.5 Rake (RCR)	5.0 Rakes 2 Rakes (RCR)	Railways to augment rake supply as per sub-group plan.
		Total	**7.0 Rakes (Incl. RCR)**	**3.7 Rakes (Incl. RCR)**	**7.0 Rakes (Incl. RCR)**	
34	**Dahanu**	SECL	1.5 Rakes	0.8 Rake	2.0 Rakes	No improvement in RCR lifting.
35	**WardhaWarora**	WCL	Coal supply as per payment.			
36	**GMR Warora**	SECL	1.0 rake	1.0 Rakes	1.0 rake	Only 6 value paid rakes pending.
37	**AdaniTirora**	SECL	5.5 Rakes	5.7 Rakes	5.5 Rakes	Genco to take measures for lifting of coal under RCR from SECL.
		WCL	3.0 Rakes (RCR)	2.5 Rakes (RCR)	3.0 Rakes (RCR)	
		MCL	1.0 Rake	0.8 Rake	0.0 Rake	
		Total	**9.5 Rakes (Incl RCR)**	**9.0 Rake (Incl RCR)**	**8.5 Rakes (Incl RCR)**	
38	**Painampuram**	MCL	2.0 Rake (Including SGPL)	2.3 Rakes	4.0 Rake (Including SGPL)	
39	**Tata Power Jojobera**	CCL	1.0 Rake – RCR	0.5 Rake – RCR	1.0 Rake – RCR	
40	**MahadevPd./ Adhunik Power**	CCL	1.0 Rake	0.0 Rake	1.0 Rake	
41	**Sterlite Energy/ Vedanta**	MCL	2.0 Rake	1.2 Rake	2.0 Rake	
42	**Haldia**	MCL	3.0 Rakes	1.7 Rake	3.0 Rakes	Railways to augment rake supply.
43	**GMR Kamalanga**	MCL	3.0 Rakes	3.5 Rakes	3.0 Rakes	Only 19 value paid rakes pending.
44	**Hiranmaye TPS**	MCL	1.5 Rake	1.0 Rake	1.5 Rake	
45	**CESC(Budge Budge)**	ECL	0.5 Rake	0.7 Rake	0.5 Rake	
		BCCL	0.0 Rake	0.5 Rake	0.0 Rake	
		MCL	1.0 Rake	0.3 Rake	1.0 Rake	

		Total	**1.5 Rake**	**1.5 Rake**	**1.5 Rake**	
46	**Binjkote**	SECL	0.5 Rake	0.5 Rake	0.5 Rake	
		MCL	0.5 Rake	0.3 Rake	0.5 Rake	
		Total	1.0 Rake	**0.8 Rake**	1.0 Rake	
47	**Hinduja/Vizag TPS**	MCL	4.0 Rakes	2.8 Rake	4.0 Rakes	Railways to augment rake supply.
48	**GVK**	CCL				
49	**NTPL**	MCL	2.0 Rake	1.0 Rake	2.0 Rake	
50	**TS Genco**	SCCL	4.0 Rakes	4.4 Rakes	4.0 Rakes	
51	**SingareniTpp**	SCCL	3.5 Rakes	3.9 Rakes	3.5 Rakes	
52	**DPL**	ECL	0.3 Rake	0.2 Rake	0.3 Rake	
		BCCL	1.0 Rake	0.5 Rake	1.0 Rake	
		MCL	0.25 Rake	0.2 Rake	0.25 Rake	
		TOTAL	**1.55 Rakes**	**0.9 Rakes**	**1.55 Rakes**	
53	**Tenughat**	CCL	2.0 Rakes	1.5 Rakes	2.0 Rakes	
54	**Avantha Bhandar**	MCL **SECL**	1.0 Rakes	0.7 Rakes	1.5 Rakes	
55	**Raipur Energen**	MCL	0.5 Rake	0.7 Rakes	0.5 Rake	
		CCL	-	-	0.3 Rake	
		Total	**0.5 Rake**	**0.7 Rake**	**0.8 Rake**	
56	**India Power/Disergarh**	CCL	0.5 Rake	-	0.0 Rake	

- CIL has allocated coal under round 2 of 2022-23 to all Gencos. Gencos to expedite booking/lifting.
- WCL to give priority to supply coal in IR mode.

List of participants

Ministry of Coal

1. Smt Vismite Tej, Joint Secretary
2. Sh. Mukesh Choudhary, Director-CLD
3. Sh. Marapally, Director (T/NA), CPD

Ministry of Power/CEA

1. Shri Piyush Singh, Joint Secretary, MoP
2. Shri Aman Khare Additional Director CEA
3. Shri Muthuraja Director (Thermal) MOP

Railway Board/ Zone

1. Shri Avinash Kumar Mishra ED (Coal), Railways Board

Representatives of Power Plants

1. Shri H R Mallick, NTPC
2. Shri Pradeep K Mishra, NTPC
3. Shri Tarun Kumar, DVC
4. Chief Engineer UPRVUNL
5. Shri DevendraShirangi, RRVUNL
6. Shri A M Saxena GSECL
7. Chief Engineer HPGCL
8. Shri Manjeet Singh MPPGCL
9. Chief Engineer APGENCO
10. Chief Engineer KPCL
11. Shri Prakash Sethia Hiranmaye
12. Shri D S Nag WBPDCL
13. Shri Tarun Bajaj Mahatma Gandhi
14. Shri Jatinder Utpal Rosa
15. Shri Vernav Morasis Dhariwal/ Haldia
16. Shri Naresh Dahanu
17. ShriRahul ChaudharyTirora/ Kawai/AvanthaBhandar
18. ShriAnkushLalitpur/Bajaj Energy
19. Shri Kumar Rajesh Amravati
20. ShriHimanshu TRN Energy
21. ShriRakeshBhadoriya Tata Power
22. Shri S N Lahiri CESC
23. ShriRajesh TripatiAkaltara
24. Shri Harish Balco TPS
25. Shr Mukul RanjanJ habua

Coal India Limited /SCCL

1. Shri S.K. Merkap, General Manager (M&S), CIL, Kolkata
2. GM/HoD(M&S)- ECL, BCCL, CCL, NCL, WCL, SECL, MCL
3. Shri J. Alwyn, ED (coal)

F. No.23011/72/2013-CPD (Vol.II) Part (1)
Government of India
Ministry of Coal

Shastri Bhawan, New Delhi,
Date: 04.11.2022

OFFICE MEMORANDUM

Subject: - Minutes of 689th meeting of the Sub-Group (IPP's) constituted by Infrastructure Constrains Review Committee to look into the issues of critical power houses.

The undersigned is directed to forward herewith a copy of the minutes of 689th meeting of the Sub-Group (IPP's) held on 03.11.2022 for reviewing the position of critical thermal power stations for information and necessary action.

Encl. as above

Sujeet Kumar 4.11.22
(Sujeet Kumar)
Under Secretary to the Government of India

To

1. Sh. Vivek Kumar Dewangan, Additional Secretary, Ministry of Power, Shram Shakti Bhawan, New Delhi.
2. Shri Piyush Singh, JS, M/o Power
3. Sh. Avinash Kumar Mishra, ED (Coal), Ministry of Railways (Railway Board), Rail Bhawan, New Delhi.
4. Sh. Vinay Kumar Prajapati, Director, Ministry of Shipping, Transport Bhawan, New Delhi.
5. Sh. Manoj Kumar Upadhyay, SRO (Power & Energy), NITI Aayog, Yojana Bhavan, New Delhi.
6. Shri Nitin Prakash, Deputy Director, CEA
7. Director (Marketing), CIL, Coal Bhawan, Newtown, Rajarhat, Kolkata-700156.
8. R.O, SCCL, 526, Hawa Singh Block, Khel Gaon, New Delhi.
9. Sh. Bhimsen, CM, CIL, Scope Minar, Laxmi Nagar, New Delhi.
10. Sh. Dileep Kumar, ED (Corp FM), NTPC, Room No. 124, R&D Building, A-8A, Sector-24, Noida.
11. Sh. A.K. Gupta, General Manager (S&M), CIL, Newtown, Rajarhat, Kolkata-700156.
12. CMDs of ECL/BCCL/CCL/NCL/SECL/MCL/WCL/SCCL.
13. CMD/MD's of IPP's

Copy to:
(i) PS to AS (VKT)
(ii) PS to JS (CPD)
(iii) PS to Dir. (CPD)
(iv) PS to Dir (T) NA

Copy to: Cabinet Secretariat (Under Secretary, CA-3)

Minutes of the Sub Group (IPP's) meeting held on 03.11.2022 to review Infrastructure Constraints

The meeting of the Sub-Group constituted by the Infrastructure Constraints Review Committee was held on 03.11.2022 at 12:30 PM through Video Conferencing. It was chaired by Joint Secretary (CPD), Ministry of Coal and attended by officials of MoC, MoP, Railway Board, CEA, SCCL, & IPPs, as well as CIL Kolkata/Subsidiaries HQ/CIL Delhi.

List of Participants is at ANNEXURE.

Subgroup Decisions on Coal Supply to Plants:

S. No.	Genco/ Power Plant	Coal Company	Supply Plan / Supply as per Subgroup Decision Dated: 20.10.2022		Supply Plan as per Subgroup decision 03.11.2022	Remarks
			Plan	Actual Supply		
1	**Mahatma Gandhi/ Jhajjar**	ECL	0.25 Rake	0.0 Rake	0.25 Rake	
		BCCL	1.0 Rake	0.4 Rake	1.0 Rake	
		CCL	1.0 Rakes	0.7 Rakes	1.0 Rakes	
		NCL	-	-	0.5 Rakes	
		Total	**2.25 Rakes**	**1.2 Rakes**	**2.75 Rakes**	
2	**Nabha Power**	CCL	1.5 Rake – RCR	1.0 Rake – RCR	1.5 Rake – RCR	
		NCL	2.0 Rakes	1.5 Rake	2.0 Rakes	
		SECL	1.5 Rakes	1.2 Rake	1.5 Rakes	
		Total	**5.0 Rakes**	**3.7 Rake (Incl. RCR)**	**5.0 Rakes (Incl. RCR)**	

			(Incl. RCR)			
3	**Talwandi Sabo**	CCL	1.75 Rake (RCR)	0.9 Rake (RCR)	1.75 Rake (RCR)	Railways to augment rake supply as per plan.
		NCL	0.8 Rake	0.6 Rake	0.8 Rake	
		MCL	6.5 Rakes	4.7 Rakes	6.5 Rakes	
		Total	**9.05 Rakes (Incl. RCR)**	**6.2 Rakes (Incl. RCR)**	**9.05 Rakes (Incl. RCR)**	
4	**Kawai TPP**	NCL	2.0 Rakes	2.0 Rakes	2.0 Rakes	
		SECL	1.0 Rakes	0.5 Rake	1.0 Rakes	
		TOTAL	**3.0 Rakes**	**2.5 Rakes**	**3.0 Rakes**	
5	**Bajaj Group**	NCL	0.5 Rake 0.5 Rake RCR	0.5Rake 0.2 Rake (RCR)	0.5 Rake 0.5 Rake RCR	
		Total	**1.0 Rake (Incl. RCR)**	**0.7 Rake Incl. RCR**	**1.0 Rake (Incl. RCR)**	
6	**Lalitpur**	CCL	1.5 Rake 3 Rake (RCR)	0.2 Rakes 2.5 Rake (RCR)	1.5 Rake 3 Rake (RCR)	RCR lifting to improve. 5000 TPD coal is only lifted by Power plant against the target of 12000 TPD.
		NCL	1.5 Rake	1.1 Rake	1.5 Rake	
		SECL	0.8 Rake	0.5 Rake	0.8 Rake	
		MCL	0.2	0.1 Rake	0.2 Rake	

		Total	**7.0 Rake (Incl. RCR)**	**4.3 Rake(Incl. RCR)**	**7.0 Rake (Incl. RCR)**	
7	**Prayagraj TPP**	NCL	4.0 Rakes 4.0 Rakes (RCR)	4.1 Rakes 1.7 Rakes (RCR)	3.5 Rakes 2.5 Rakes (RCR)	Power plant needs to improve lifting under RCR.
		Total	**8.0 Rakes (Incl. RCR)**	**5.8Rakes (Incl. RCR)**	**6.0 Rakes (Incl. RCR)**	
8	**Rosa TPP**	CCL	4.0 Rakes	3.4 Rakes	4.5 Rakes	RCR lifting is yet to start.
9	**Balco TPS**	SECL	0.75 Rake	0.8 Rake	0.75 Rake	
10	**Akaltara TPS**	SECL	2.0 Rake 1.5 Rake RCR	1.8 Rakes 0.4 Rake RCR	2.0 Rake 1.5 Rake RCR	RCR lifting needs to increase.
		MCL	1.0 Rake	0.5 Rake	1.0 Rake	
		NCL	-	-	0.2 Rake	
		Total	**4.5 Rake Incl. RCR**	**2.8 Rake (incl.RCR)**	**4.7 Rake Incl. RCR**	
11	**Baradhara TPS/DB Power**	SECL	2.5 Rake	2.4 Rake	2.5 Rake	
		CCL	0.5 Rake	0.2 Rake	0.5 Rake	
		Total	**3.0 Rake**	**2.6 Rake**	**3.0 Rake**	
12	**Binjkote**	SECL	0.5 Rake	0.5 Rake	0.5 Rake	Apart from SECL allocation, MCL to liquidate 1 pending rake to power plant.

13	**Pathadi TPS**	SECL	1.0 Rake	1.0 Rake	1.0 Rake	
14	**Unchpinda**	SECL	1.5 Rake	1.4 Rake	1.5 Rake	
		MCL	-	-	0.5 Rake	
		Total			**2.0 Rake**	
15	**Sabarmati**	SECL	1.5 Rake	1.1 Rake	1.5 Rake	
16	**Anuppur (MB Power)**	SECL	1.0 Rake – 2 Rake-RCR	0.9 Rake 0.7 Rake RCR	2.5 Rake – 1.5 Rake- RCR	Railways to supply 2 rakes at Visakhapatnam port for imported coal.
		MCL	1.0 Rake	0.2 Rake	0.0	
		Total	**4.0 Rake (Incl. RCR)**	**1.8 Rake (Incl. RCR)**	**4.0 Rake (Incl. RCR)**	
17	**Hiranmaye TPS**	MCL	1.5 Rake	1.2 Rake	1.5 Rake	
18	**Hinduja/Vizag TPS**	MCL	4.0 Rakes	3.4 Rake	4.0 Rakes	
19	**Bina**	CCL	0.5 Rake	0.3 Rake	0.5 Rake	
		SECL	0.5 Rake (RCR)	0.5 Rake RCR	0.5 Rake (RCR)	
		Total	**1.0 Rake (Incl. RCR)**	**0.8 Rake (Incl. RCR)**	**1.0 Rake (Incl. RCR)**	
20	**Seioni / Jhabua**	SECL	1.5 Rake	1.1 Rake	1.5 Rake	
		MCL	0.5 Rake	0.3 Rake	0.5 Rake	

		Total	**2.0 Rake**	**1.4 Rake**	**2.0 Rake**	
21	**Amravati**	SECL	5.0 Rakes 2 Rakes (RCR)	2.9 Rake 1.7 Rake (RCR)	5.0 Rakes 2.0 Rakes (RCR)	Railways to augment rake supply including the GSS/PW and accordingly plant will increase lifting under RCR.
22	**Avantha Bhandar**	MCL	1.5 Rakes	1.4 Rakes	1.0 Rakes	
		SECL	-	-	0.5 Rake	
		Total			1.5 Rake	
23	**Dahanu**	SECL	2.0 Rakes	1.2 Rake	2.0 Rakes	No improvement supplies through RCR mode. If supply from RCR not improved the IR allocation would be reviewed in the next sub group.
24	**Dhariwal TPS**	SECL	1.2 Rakes	1.0 Rakes	1.2 Rakes	
		WCL	0.7 Rake	0.7 Rake	0.7 Rake	
		MCL	0.3 Rake	0.0 Rakes	0.3 Rake	
		Total	**2.2 Rake**	**1.7 Rake**	**2.2 Rake**	
25	**Wardha Warora**	WCL	Coal supply as per payment.			
26	**GMR Warora**	SECL	1.0 rake		0.5 Rakes	1.0 rake 20 value paid rakes pending.
27	**Adani Tirora**	SECL	5.5 Rakes		5.5 Rakes	5.5 Rakes
		WCL	3.0 Rakes (RCR)		2.3 Rakes (RCR)	3.0 Rakes (RCR)
		Total	**8.5 Rakes (Incl RCR)**		**7.8 Rake (Incl RCR)**	**8.5 Rakes (Incl RCR)**

28	**Painampuram**	MCL	4.0 Rake (Including SGPL)	4.5 Rakes	4.0 Rake (Including SGPL)	Coal companies and railways are required to supply as per sub-group plan.
29	**Tata Power Jojobera**	CCL	1.0 Rake – RCR	0.9 Rake – RCR	1.0 Rake – RCR	
30	**Mahadev Pd. / Adhunik Power**	CCL	1.0 Rake	0.7 Rake	1.0 Rake	
31	**GMR Kamalanga**	MCL	3.0 Rakes	1.7 Rakes	3.0 Rakes	
32	**Sterlite Energy/ Vedanta**	MCL	2.0 Rake	2.4 Rake	2.0 Rake	
33	**CESC(Budge Budge)**	ECL	0.5 Rake	1.2 Rake	0.5 Rake	Plant to augment coal supplies through captive coal block to at least 3-4 rakes per day.
		BCCL	0.0 Rake	0.5 Rake	0.0 Rake	
		MCL	1.0 Rake	0.2 Rake	1.0 Rake	
		Total	**1.5 Rake**	**1.9 Rake**	**1.5 Rake**	
34	**Haldia**	MCL	3.0 Rakes	1.5 Rake	3.0 Rakes	Railways to augment rake supply.
35	**GVK**	CCL	Coal Supply as per payment			
36	**Raipur Energen**	MCL	0.5 Rake	0.8 Rakes	0.5 Rake	
		CCL	0.3 Rake	0.1 Rake	0.5 Rake	
		SECL	-	-	0.2 Rake	
		Total	0.8 Rake	0.9 Rake	1.2 Rake	
37	**Raigarh Energen**	SECL	-	-	0.5 Rake	

NCL, SECL and MCL to clear pending SFeA rakes. NCL and SECL to clear by November 2022 and MCL by December 2022. Railways to give priority to such SFeA rakes over the FSA rakes of the concerned plants as per the above matrix.

List of participants

Ministry of Coal

1. Smt. Vismita Tej, Joint Secretary (CPD)
2. Sh. V. Marapally , Director (T/NA),CPD

Ministry of Power/CEA

1. Piyush Singh, Joint Secretary (Thermal)
2. Shri Nitin Prakash, Director, CEA

Railway Board/ Zone

1. Shri Avinash Kumar Mishra, ED (Coal), Railways Board

Representatives of Power Plants

1. Shri Rajneesh Sethia, Mahatma Gandhi
2. Shri Saurabh Patel, Nabha Power
3. Shri Ankit Gupta, Talwandi Saboo
4. Shri Ankush Jain, Bajaj Energy
5. Shri Tarun Chhattopadyay, Prayagraj
6. Shri Durga Roy, R.K.M Power Gen
7. Shri Vernon Morasis, Dhariwal
8. Shri Lalit Joshi Anuppur Power
9. Shri Ravi Sahay, DB Power
10. Shri Sunil Sharan, Bina
11. Shri Rajesh Tripathi, Amravati TPS
12. Shri Jitesh Pal, Adani Power
13. Shri Prakash Sethia, Hiranmaye TPS
14. Shri S.N. Lahiri ,CESC
15. Shri P K Prashan, Hinduja TPS
16. Shri Mahendra Bhagat, Binjkot
17. Shri Anoop Pandey, GMR Kamlanga
18. Shri Naresh, Dahanu
19. Shri Jitendra Utpal, Rosa

Coal India Limited

1. Shri A.K.Gupta, General Manager (M&S), CIL, Kolkata
2. GM/HoD(M&S)- ECL, BCCL, CCL, NCL, WCL, SECL, MCL

F. No.23011/72/2013-CPD (Vol.II) Part (1)
Government of India
Ministry of Coal

Shastri Bhawan, New Delhi,
Date: 16 .11.2022

OFFICE MEMORANDUM

Subject: - Minutes of 691st meeting of the Sub-Group (IPPs) constituted by Infrastructure Constrains Review Committee to look into the issues of critical power houses.

The undersigned is directed to forward herewith a copy of the minutes of 691st meeting of the Sub-Group held on 15.11.2022 for reviewing the position of critical thermal power stations for information and necessary action.

Encl. as above

16/11/22
(Pardeep Kumar)
Assistant Director

To

1. Sh. Vivek Kumar Dewangan, Additional Secretary, Ministry of Power, Shram Shakti Bhawan, New Delhi.
2. Shri Piyush Singh, JS, M/o Power
3. Sh. Avinash Kumar Mishra, ED (Coal), Ministry of Railways (Railway Board), Rail Bhawan, New Delhi.
4. Sh. Vinay Kumar Prajapati, Director, Ministry of Shipping, Transport Bhawan, New Delhi.
5. Sh. Manoj Kumar Upadhyay, SRO (Power & Energy), NITI Aayog, Yojana Bhavan, New Delhi.
6. Shri Nitin Prakash, Deputy Director, CEA
7. Director (Marketing), CIL, Coal Bhawan, Newtown, Rajarhat, Kolkata-700156.
8. R.O, SCCL, 526, Hawa Singh Block, Khel Gaon, New Delhi.
9. Sh. Bhimsen, CM, CIL, Scope Minar, Laxmi Nagar, New Delhi.
10. Sh. Dileep Kumar, ED (Corp FM), NTPC, Room No. 124, R&D Building, A-8A, Sector- 24, Noida.
11. Sh. A.K. Gupta, General Manager (S&M), CIL, Newtown, Rajarhat, Kolkata-700156.
12. CMDs of ECL/BCCL/CCL/NCL/SECL/MCL/WCL/SCCL.
13. CMD/MD's of IPP's

Copy to:
(i) PPS to Secretary (C)
(ii) PS to AS (VKT)
(iii) PS to JS (CPD)
(iv) PS to Dir. (CPD)
(v) PS to Dir (T) NA/CPD

Copy to: Cabinet Secretariat (Under Secretary, CA-3)

Minutes of the Sub Group (IPPs) meeting held on 15.11.2022 to review Infrastructure Constraints

The meeting of the Sub-Group (IPPs) constituted by the Infrastructure Constraints Review Committee was held on 15.11.2022 at 12:15 PM through Video Conferencing. It was chaired by Joint Secretary (CPD), Ministry of Coal and attended by officials of MoC, MoP, Railway Board, CEA, and IPP's, as well as CIL Kolkata/Subsidiaries HQ/CIL Delhi.

List of Participants is at ANNEXURE.

Supply of coal to power sector (IPPs) was reviewed and discussed in order to augment it further to the IPPs having lesser coal stocks.

Subgroup Decisions on Coal Supply to Plants:

S. No.	Genco/ Power Plant	Coal Company	Supply Plan / Supply as per Subgroup Decision Dated: 03.11.2022		Supply Plan as per Subgroup decision 15.11.2022	Remarks
			Plan	Actual Supply		
1	**Mahatma Gandhi/ Jhajjar**	ECL	0.25 Rake	0.4 Rake	0.25 Rake	
		BCCL	1.0 Rake	0.5 Rake	1.0 Rake	
		CCL	1.0 Rake	0.8 Rake	2.0 Rakes	
		NCL	0.5 Rake	0.5 Rake	0.5 Rakes	
		Total	**2.75 Rakes**	**2.2 Rakes**	**3.75 Rakes**	
2	**Nabha Power**	CCL	1.5 Rake – RCR	0.3 Rake – RCR	1.5 Rake – RCR	RCR lifting needs to increase.
		NCL	2.0 Rakes	1.9 Rakes	2.0 Rakes	
		SECL	1.5 Rakes	0.9 Rake	2.5 Rakes	
		Total	**5.0 Rakes (Incl. RCR)**	**3.1 Rake (Incl. RCR)**	**6.0 Rakes (Incl. RCR)**	
3	**Talwandi Sabo**	CCL	1.75 Rake (RCR)	0.8 Rake (RCR)	1.75 Rake (RCR)	Plant to explore the option of taking coal from MCL through the RSR route.
		NCL	0.8 Rake	0.9 Rake	0.8 Rake	
		MCL	6.5 Rakes	4.0 Rakes	6.5 Rakes	

		Total	**9.05 Rakes (Incl. RCR)**	**5.7 Rakes (Incl. RCR)**	**9.05 Rakes (Incl. RCR)**	Plant to ensure timely booking of coal offered under RCR and enhance RCR lifting. Railways to augment supply of rakes as per sub-group plan.
4	**Kawai TPP**	NCL	2.0 Rakes	1.9 Rakes	2.0 Rakes	
		SECL	1.0 Rakes	0.7 Rake	1.0 Rakes	
		TOTAL	**3.0 Rakes**	**2.6 Rakes**	**3.0 Rakes**	
5	**Bajaj Group**	NCL	0.5 Rake 0.5 Rake RCR	0.4Rake 0.5 Rake (RCR)	0.0 Rake 0.5 Rake RCR	
		Total	**1.0 Rake (Incl. RCR)**	**0.9 Rake Incl. RCR**	**0.5 Rake (In. RCR)**	
6	**Lalitpur**	CCL	1.5 Rake 3 Rake (RCR)	0.8 Rakes 3.3 Rake (RCR)	1.5 Rake 3 Rake (RCR)	Plant to increase RCR lifting and as requested by Railways to expedite the construction work at the Railway siding.
		NCL	1.5 Rake	1.5 Rake	1.5 Rake	
		SECL	0.8 Rake	0.6 Rake	0.8 Rake	
		MCL	-	-	0.2 Rakes	
		Total	**7.0 Rake (Incl. RCR)**	**6.2 Rake(Incl. RCR)**	**7.0 Rake (Incl. RCR)**	
7	**Prayagraj TPP**	NCL	3.5 Rakes 2.5 Rakes (RCR)	3.7 Rakes 1.6 Rakes (RCR)	3.5 Rakes 2.5 Rakes (RCR)	Current lifting is not sufficient. Plant to increase lifting in RCR
		Total	**6.0 Rakes (Incl. RCR)**	**5.3 Rakes (Incl. RCR)**	**6.0 Rakes (Incl. RCR)**	
8	**Rosa TPP**	CCL	4.5 Rakes	3.8 Rakes	4.5 Rakes	RCR lifting yet to start.
9	**Balco TPS**	SECL	0.75 Rake	1.2 Rake	1.5 Rake	
10	**Akaltara TPS**	SECL	2.0 Rake 1.5 Rake RCR	2.1 Rakes 0.7 Rake RCR	3.0 Rake 1.5 Rake RCR	Plant to augment lifting under RCR route.
		MCL	1.0 Rake	0.7 Rake	1.0 Rake	
		NCL	0.2 Rake	0.0	0.2 Rake	

		Total	**4.7 Rake Incl. RCR**	**3.4 Rake (incl .RCR)**	**5.7 Rake Incl. RCR**	
11	**Baradhara TPS/DB Power**	SECL	2.5 Rake	1.3 Rake	2.5 Rake	
		CCL	0.5 Rake	0.4 Rake	0.5 Rake	
		Total	**3.0 Rake**	**1.7 Rake**	**3.0 Rake**	
12	**Binjkote**	SECL	0.5 Rake	0.7 Rake	0.5 Rake	
13	**Pathadi TPS**	SECL	1.0 Rake	1.5 Rake	1.0 Rake	
14	**Unchpinda**	SECL	1.5 Rake	1.5 Rake	1.5 Rake	
		MCL	0.5 Rake	0.1 Rake	0.5 Rake	
		Total	**2.0 Rake**	**1.6 Rakes**	**2.0 Rake**	
15	**Sabarmati**	SECL	1.5 Rake	1.0 Rakes	1.5 Rake	Plant agreed to give rake program from Korba field for better materialization of rakes as requested by Railways.
16	**Anuppur (MB Power)**	SECL	2.5 Rake – 1.5 Rake-RCR	1.2 Rakes 0.7 Rake RCR	3.5 Rake 1.5 Rake-RCR	Railways to augment materialization of rakes.
17	**Hiranmaye TPS**	MCL	1.5 Rake	1.2 Rake	2.0 Rakes	Railways to augment rake supply.
18	**Hinduja/Vizag TPS**	MCL	4.0 Rakes	2.5 Rakes	4.5 Rakes	Plant to address the issue of unloading time.
19	**Bina**	CCL	0.5 Rake	0.3 Rake	0.5 Rake	
		SECL	0.5 Rake (RCR)	1.2 Rake RCR	0.5 Rake (RCR)	
		Total	**1.0 Rake (Incl. RCR)**	**1.5 Rake (Incl. RCR)**	**1.0 Rake (Incl. RCR)**	
20	**Seioni / Jhabua**	SECL	1.5 Rake	1.2 Rake	1.5 Rake	
		MCL	0.5 Rake	0.5 Rake	0.5 Rake	
		Total	**2.0 Rake**	**1.7 Rake**	**2.0 Rake**	

21	**Amravati**	SECL	5.0 Rakes 2.0 Rakes (RCR)	3.3 Rakes 1.5 Rake (RCR)	5.0 Rakes 2.0 Rakes (RCR)	SECL to communicate the decision to plant regarding lapsed DO quantity. Railways to ensure supply of rakes at GSS & washery to liquidate coal stock piled up at GSS & washery.
22	**Avantha Bhandar/Raigarh Energen**	MCL	1.0 Rakes	1.2 Rakes	1.5 Rakes	
		SECL	0.5 Rake	0.1 Rake	0.5 Rake	
		Total	1.5 Rake	1.3 Rake	2.0 Rake	
23	**Dahanu**	SECL	2.0 Rakes	0.9 Rake	0.5 Rake	No significant improvement has been shown by the plant so far regarding supply through RCR mode.
24	**Dhariwal TPS**	SECL	1.2 Rakes	0.8 Rake	1.5 Rakes	Coal companies and Railways to ensure supply as per plan.
		WCL	0.7 Rake	0.3 Rake	0.7 Rake	
		MCL	0.3 Rake	0.0 Rakes	0.3 Rake	
		Total	**2.2 Rake**	**1.1 Rake**	**2.5 Rakes**	
25	**Wardha Warora**	WCL	Coal supply as per payment.			
26	**GMR Warora**	SECL	1.0 Rake	0.6 Rake	1.0 rake	14 value paid rakes pending.
27	**Adani Tirora**	SECL	5.5 Rakes	5.2 Rakes	5.5 Rakes	Plant informed that they do not require additional coal offered under RCR from SECL.
		WCL	3.0 Rakes (RCR)	2.9 Rakes (RCR)	3.0 Rakes (RCR)	
		MCL	-	0.7 Rake	0.2 Rake	
		Total	**8.5 Rakes (Incl RCR)**	**8.8 Rake (Incl RCR)**	**8.7 Rakes (Incl RCR)**	
28	**Painampuram**	MCL	4.0 Rake (Including SGPL)	3.6 Rakes	4.0 Rake (Including SGPL)	
29	**Tata Power Jojobera**	CCL	1.0 Rake – RCR	0.9 Rake – RCR	**0.5 IR Rake** 1.0 Rake – RCR	

30	**MahadevPd./ Adhunik Power**	CCL	1.0 Rake	1.2 Rakes	1.0 Rake	
31	**GMR Kamalanga**	MCL	3.0 Rakes	2.6 Rakes	3.0 Rakes	
32	**Sterlite Energy/ Vedanta**	MCL	2.0 Rake	2.6 Rake	2.0 Rake	
33	**CESC(Budge Budge)**	ECL	0.5 Rake	1.0 Rake	0.5 Rake	Plant to enhance supply from captive.
		BCCL	0.0 Rake	0.3 Rake	0.0 Rake	
		MCL	1.0 Rake	0.1 Rake	1.0 Rake	
		Total	**1.5 Rake**	**1.4 Rakes**	**1.5 Rake**	
34	**Haldia**	MCL	3.0 Rakes	2.3 Rakes	3.0 Rakes	Railway to augment rake supply.
35	**GVK**	CCL	Coal Supply as per payment			
36	**Raipur Energen**	MCL	0.5 Rake	0.8 Rakes	0.5 Rake	
		CCL	0.5 Rake	0.0 Rake	0.5 Rake	
		SECL	0.2 Rake	0.1 Rake	0.2 Rake	
		Total	1.2 Rake	0.9 Rake	1.2 Rake	

SECL/Railways may enhance rake supply to nearer plants without impacting the overall supply plan. The same will be reviewed after a week.

ANNEXURE

List of participants

Ministry of Coal

1. Smt. Vismita Tej, Joint Secretary (CPD)
2. Sh. Mukesh Choudhary, director (CPD)
3. Sh. V. Marapally , Director (T/NA),CPD

Ministry of Power/CEA

1. Sh. G. Muthuraja Director

2. Shri Shri Aman Khare Additional Director CEA

Railway Board/ Zone

1. Shri Avinash Kumar Mishra, ED (Coal), Railways Board

Representatives of Power Plants

1. Shri Tarun Bajaj, Mahatma Gandhi
2. Shri Saurabh Patel, Nabha Power
3. Shri Pravin Katre , Talwandi Saboo
4. Shri Ankush Jain, Bajaj Energy
5. Shri S.H. Pandey, Prayagraj
6. Shri Durga Roy, R.K.M Power Gen
7. Shri Vernon Morasis, Dhariwal
8. Shri Jitendra Gupta, Anuppur Power
9. Shri Ravi Sahay, DB Power
10. Shri Sunil Sharan, Bina
11. Shri Rajesh Tripathi, Amravati TPS
12. Shri Jitesh Pal, Adani Power/Kawai
13. Shri Prakash Sethia, Hiranmaye TPS
14. Shri S.N. Lahiri ,CESC
15. Shri P K Prashan, Hinduja TPS
16. Shri Mahendra Bhagat, Binjkot
17. Shri Anoop Pandey, GMR Kamlanga
18. Shri Naresh, Dahanu
19. Shri Jitendra Utpal, Rosa
20. Sh. Bijay Dash, Akaltara
21. Sh. Vikrant Aggrawal, Pathadi
22. Sh. RAkesh Bhadoriya, Tata Power Jojobera

Coal India Limited

1. Shri A.K.Gupta, General Manager (M&S), CIL, Kolkata
2. GM/HoD(M&S)- ECL, BCCL, CCL, NCL, WCL, SECL, MCL

F. No. **CPD-23011/85/2022-CPD**
Government of India
Ministry of Coal

Shastri Bhawan, New Delhi,
Date: 15.12.2022

OFFICE MEMORANDUM

Subject: - Minutes of 695th meeting of the Sub-Group (IPP's) constituted by Infrastructure Constrains Review Committee to look into the issues of critical power houses.

The undersigned is directed to forward herewith a copy of the minutes of 695th meeting of the Sub-Group (IPP's) held on 14.12.2022 for reviewing the position of critical thermal power stations for information and necessary action.

Encl. as above

Sujeet Kumar 15/12/2022

(Sujeet Kumar)
Under Secretary to the Government of India

To

1. Sh. Vivek Kumar Dewangan, Additional Secretary, Ministry of Power, Shram Shakti Bhawan, New Delhi.
2. Shri Piyush Singh, JS, M/o Power
3. Sh. Avinash Kumar Mishra, ED (Coal), Ministry of Railways (Railway Board), Rail Bhawan, New Delhi.
4. Sh. Vinay Kumar Prajapati, Director, Ministry of Shipping, Transport Bhawan, New Delhi.
5. Sh. Manoj Kumar Upadhyay, SRO (Power & Energy), NITI Aayog, Yojana Bhavan, New Delhi.
6. Shri Nitin Prakash, Deputy Director, CEA
7. Director (Marketing), CIL, Coal Bhawan, Newtown, Rajarhat, Kolkata-700156.
8. R.O, SCCL, 526, Hawa Singh Block, Khel Gaon, New Delhi.
9. Sh. Bhimsen, CM, CIL, Scope Minar, Laxmi Nagar, New Delhi.
10. Sh. Dileep Kumar, ED (Corp FM), NTPC, Room No. 124, R&D Building, A-8A, Sector-24, Noida.
11. Sh. A.K. Gupta, General Manager (S&M), CIL, Newtown, Rajarhat, Kolkata-700156.
12. CMDs of ECL/BCCL/CCL/NCL/SECL/MCL/WCL/SCCL.
13. CMD/MD's of IPP's

Copy to:
(i) PSO to Secy. Coal
(ii) PS to AS (VKT)
(iii) PS to AS (CPD)
(iv) PS to Dir (T) NA/CPD

Copy to: Cabinet Secretariat (Under Secretary, CA-3)

Minutes of the Sub Group (IPP's) meeting held on 14.12.2022 to review Infrastructure Constraints

The meeting of the Sub-Group constituted by the Infrastructure Constraints Review Committee was held on 14.12.2022 at 2:30 PM through Video Conferencing. It was chaired by Additional Secretary (CPD), Ministry of Coal and attended by officials of MoC, MoP, Railway Board, CEA, SCCL, & IPPs, as well as CIL Kolkata/Subsidiaries HQ/CIL Delhi.

List of Participants is at ANNEXURE.

Subgroup Decisions on Coal Supply to Plants:

S. No.	Genco/ Power Plant	Coal Company	Supply Plan / Supply as per Subgroup Decision Dated: 30.11.2022		Supply Plan as per Subgroup decision 14.12.2022	Remarks
			Plan	Actual Supply		
1	**Mahatma Gandhi/ Jhajjar**	ECL	0.25 Rake	0.5 Rake	0.25 Rake	1.00 LT coal stock lying at various GSS needs liquidation. Railways to supply rakes.
		BCCL	0.5 Rake	0.8Rake	0.5 Rake	
		CCL	1.5 Rakes	1.5 Rake	1.5 Rakes	
		NCL	0.5 Rakes	0.4 Rake	0.5 Rakes	
		Total	**2.75 Rakes**	**3.2 Rakes**	**2.75 Rakes**	
2	**Nabha Power**	CCL	1.5 Rake – RCR	0.5 Rake – RCR	1.5 Rake – RCR	Railways to augment supply of rakes as per sub-group plan.
		NCL	2.0 Rakes	1.6Rakes	2.0 Rakes	
		SECL	2.5 Rakes	1.1 Rake	2.5 Rakes	
		Total	**6.0 Rakes (Incl. RCR)**	**3.2 Rake (Incl. RCR)**	**6.0 Rakes (Incl. RCR)**	
3	**Talwandi Sabo**	CCL	1.75 Rake (RCR)	1.0 Rake (RCR)	1.75 Rake (RCR)	NCL offered coal under RCR. Plant to explore and accordingly expedite for allocation in
		NCL	0.8 Rake	0.5 Rake	0.8 Rake	
		MCL	6.5 Rakes	4.5 Rakes	6.5 Rakes	

		Total	**9.05 Rakes (Incl. RCR)**	**6.0 Rakes (Incl. RCR)**	**9.05 Rakes (Incl. RCR)**	order to build up stock. Railways to augment rake supply.
4	**Kawai TPP**	NCL	2.0 Rakes	1.8 Rakes	2.0 Rakes	
		SECL	1.0 Rakes	0.6 Rake	1.0 Rakes	
		TOTAL	**3.0 Rakes**	**2.5 Rakes**	**3.0 Rakes**	
5	**Bajaj Group**	NCL	0.5 Rake RCR	0.0 Rake (RCR)	0.5 Rake RCR	
6	**Lalitpur**	CCL	1.5 Rake 3 Rake (RCR)	0.6Rakes 1.6 Rake (RCR)	1.5 Rake 3 Rake (RCR)	
		NCL	1.5 Rake	1.2 Rake	1.5 Rake	
		SECL	0.8 Rake	0.4 Rake	0.8 Rake	
		MCL	0.2 Rake	0.0 Rake	0.2 Rake	
		Total	**7.0 Rake (Incl. RCR)**	**3.8 Rake(Incl. RCR)**	**7.0 Rake (Incl. RCR)**	
7	**Prayagraj TPP**	NCL	3.5 Rakes 2.5 Rakes (RCR)	3.2 Rakes 1.5 Rakes (RCR)	4.0 Rakes 2.5 Rakes (RCR)	
		Total	**6.0 Rakes (Incl. RCR)**	**4.7 Rakes (Incl. RCR)**	**6.5 Rakes (Incl. RCR)**	
8	**Rosa TPP**	CCL	4.5 Rakes	4.0 Rakes	4.5 Rakes	No progress in RCR lifting.
9	**Balco TPS**	SECL	1.5 Rake	0.5 Rake	1.0 Rake	Railways to supply rakes for imported coal.
10	**Akaltara**	SECL	3.0 Rake 1.5 Rake RCR	2.5 Rakes 0.5 Rake RCR	3.0 Rake 1.5 Rake RCR	
		MCL	1.0 Rake	0.7 Rake	1.0 Rake	
		NCL	0.2 Rake	0.1 Rake	0.2 Rake	
		Total	**5.7 Rake Incl. RCR**	**3.9 Rake (incl.RCR)**	**5.7 Rake Incl. RCR**	

11	**Baradhara TPS/DB Power**	SECL	2.5 Rake	2.5 Rake	2.5 Rake	
		CCL	0.5 Rake	0.2 Rake	0.5 Rake	
		Total	**3.0 Rake**	**2.7 Rake**	**3.0 Rake**	
12	**Binjkote**	SECL	0.5 Rake	0.4 Rake	0.5 Rake	Coal supply as per the submission of coal value by the plant.
13	**Pathadi TPS**	SECL	1.0 Rake	1.5 Rake	1.0 Rake	Supply should be restricted as per sup-group plan.
14	**Unchpinda**	SECL	1.0 Rake	1.0 Rake	1.0 Rake	
		MCL	0.5 Rake	0.4 Rake	1.0 Rake	
		Total	**1.5 Rake**	**1.4 Rakes**	**2.0 Rake**	
15	**Sabarmati**	SECL	1.0 Rake	1.0 Rakes	1.0 Rake	Plant to submit program from Korba for better materialization of rakes.
16	**Anuppur (MB Power)**	SECL	3.5 Rake – 1.5 Rake- RCR	2.2 Rakes 0.8 Rake RCR	3.5 Rake – 1.5 Rake-RCR	
17	**Hiranmaye TPS**	MCL	1.5 Rakes	0.9 Rake	2.0 Rakes	Railways to augment supply of rakes as per sub-group plan.
18	**Hinduja /Vizag TPS**	MCL	4.5 Rakes	2.5 Rakes	4.5 Rakes	
19	**Bina**	CCL	0.5 Rake	0.3 Rake	1.0 Rake	
		SECL	0.5 Rake (RCR)	0.8 Rake RCR	0.5 Rake (RCR)	
		Total	**1.0 Rake (Incl. RCR)**	**1.1 Rake (Incl. RCR)**	**1.5 Rake (Incl. RCR)**	
20	**Seioni / Jhabua**	SECL	1.5 Rake	0.9 Rake	1.5 Rake	
		MCL	0.5 Rake	0.3 Rake	0.5 Rake	

		Total	**2.0 Rake**	**1.2 Rake**	**2.0 Rake**	Only 16 and 5 value paid pending in SECL & MCL respectively.
21	**Amravati**	SECL	5.0 Rakes 2.0 Rakes (RCR)	4.1 Rakes 0.5 Rake (RCR)	5.0 Rakes 2.0 Rakes (RCR)	Around 1.00 LT coal stock lying at Akaltara & Junadih 3 & 4 GSS sidings. Railways to supply rakes for liquidation.
22	**Avantha Bhandar**	MCL	1.0 Rakes	0.9 Rakes	1.0 Rakes	Only 5 value paid pending rakes as on date.
		SECL	0.5 Rake	0.0 Rake	0.5 Rake	
		Total	**1.5 Rake**	**0.9 Rake**	**1.5 Rake**	
23	**Dahanu**	SECL	0.5 Rake	0.3 Rake	1.0 Rake	0.60 LT coal stock lying at washeries. Railways to supply rakes for liquidation of the same.
24	**Dhariwal TPS**	SECL	1.5 Rakes	1.2 Rake	1.5 Rakes	WCL to supply as per sub-group matrix.
		WCL	0.7 Rake	0.3 Rake	0.7 Rake	
		MCL	0.3 Rake	0.0 Rakes	0.3 Rake	
		Total	**2.5 Rakes**	**1.5 Rake**	**2.5 Rakes**	
25	**WardhaWarora**	WCL	Coal supply as per payment.			
26	**GMR Warora**	SECL	1.0Rake	0.9 Rake	1.0 rake	11 value paid pending.
27	**AdaniTirora**	SECL	5.5 Rakes	5.6 Rakes	5.5 Rakes	
		WCL	3.0 Rakes (RCR)	2.7 Rakes (RCR)	3.0 Rakes (RCR)	
		MCL	0.5 Rake	0.3 Rake	0.5 Rake	
		Total	**9.0 Rakes (Incl RCR)**	**8.6 Rake (Incl RCR)**	**9.0 Rakes (Incl RCR)**	
28	**Painampuram**	MCL	5.0 Rake (Including SGPL)	4.0 Rakes	4.0 Rake (Including SGPL)	

29	**Tata Power Jojobera**	CCL	0.5 Rake – IR 1.0 Rake -RCR	0.0 Rake – IR 0.7 Rake – RCR	0.5 Rake – IR 1.0 Rake - RCR	
30	**MahadevPd./ Adhunik Power**	CCL	1.0 Rake	0.9 Rakes	1.0 Rake	
31	**GMR Kamalanga**	MCL	3.0 Rakes	2.5 Rakes	3.0 Rakes	
32	**Sterlite Energy/ Vedanta**	MCL	2.0 Rake	1.7 Rake	2.0 Rake	
33	**CESC(Budge Budge)**	ECL	0.5 Rake	1.3 Rake	0.5 Rake	Only 1 rake/day is being supplied from captive coal block against the target given of 2.5 to 3.0 rakes/day. Plant to expedite siding construction work for augmenting supplies from Captive Mines
		MCL	0.5 Rake	0.4 Rake	0.5 Rake	
		Total	**1.0 Rake**	**1.7 Rakes**	**1.0 Rake**	
34	**Haldia**	MCL	3.0 Rakes	2.4 Rakes	3.0 Rakes	
35	**GVK**	CCL	Coal Supply as per payment			
36	**Raipur Energen/ Raikheda**	MCL	1.0 Rake	0.9 Rakes	1.0 Rake	
		CCL	0.5 Rake	0.0 Rake	0.5 Rake	
		SECL	0.2 Rake	0.0 Rake	0.2 Rake	
		Total	**1.7 Rake**	**0.9 Rake**	**1.7 Rake**	
37	**Maha Energen Limited**	CCL	-	-	0.9 Rake	

Since stock at Paradip Port in respect of NTPL has reduced from 4.0 LT to 1.0 LT, supply of 2 rakes from MCL to resume.

List of participants

Ministry of Coal

1. Smt VismitaTej, Additional Secretary
2. Sh. V. Marapally , Director-CPD/NA

3. Shri S.N. Prasad, Advisor MOC

Ministry of Power/CEA

1. Shri Aman Khare Additional Director CEA

Railway Board/ Zone

1. Shri Avinash Kumar Mishra ED (Coal), Railways Board

Representatives of Power Plants

1. Shri Rajneesh Sethia, Mahatma Gandhi
2. Shri Ankit Gupta, TSPL
3. Shri Brij Kishore Yadav, Balco
4. Shri Ankush Jain, Bajaj Energy
5. Shri Durga Roy, R.K.M Power Gen
6. Shri Vernon Morasis, Dhariwal
7. Shri Lalit Joshi Anuppur Power
8. Shri Ravi Sahay, DB Power
9. Shri Sunil Sharan, Bina
10. Shri Rajesh Tripathi, Amravati TPS
11. Shri Jitesh Pal, Adani Power
12. Shri Prakash Sethia, Hiranmaye TPS
13. Shri S.N. Lahiri ,CESC
14. Shri P K Pradhan, Hinduja TPS
15. Shri Mahendra Bhagat, Binjkot
16. Shri Anoop Pandey, GMR Kamlanga
17. Shri Naresh, Dahanu
18. Shri Jitendra Utpal, Rosa

Coal India Limited

1. Shri A.K. Gupta, General Manager (M&S), CIL, Kolkata
2. GM/HoD(M&S)- ECL, BCCL, CCL, NCL, WCL, SECL, MCL

F. No. CPD-23011/85/2022-CPD
Government of India
Ministry of Coal

Shastri Bhawan, New Delhi,
Date: 29.12.2022

OFFICE MEMORANDUM

Subject: - Minutes of 697th meeting of the Sub-Group (IPP's) constituted by Infrastructure Constrains Review Committee to look into the issues of critical power houses.

The undersigned is directed to forward herewith a copy of the minutes of 697th meeting of the Sub-Group (IPP's) held on 28.12.2022 for reviewing the position of critical thermal power stations for information and necessary action.

Encl. as above

29/12/2022
(Pardeep Kumar)
Assistant Director

To

1. Sh. Vivek Kumar Dewangan, Additional Secretary, Ministry of Power, Shram Shakti Bhawan, New Delhi.
2. Shri Piyush Singh, JS, M/o Power
3. Sh. Avinash Kumar Mishra, ED (Coal), Ministry of Railways (Railway Board), Rail Bhawan, New Delhi.
4. Sh. Vinay Kumar Prajapati, Director, Ministry of Shipping, Transport Bhawan, New Delhi.
5. Sh. Manoj Kumar Upadhyay, SRO (Power & Energy), NITI Aayog, Yojana Bhavan, New Delhi.
6. Shri Nitin Prakash, Deputy Director, CEA
7. Director (Marketing), CIL, Coal Bhawan, Newtown, Rajarhat, Kolkata-700156.
8. R.O, SCCL, 526, Hawa Singh Block, Khel Gaon, New Delhi.
9. Sh. Bhimsen, CM, CIL, Scope Minar, Laxmi Nagar, New Delhi.
10. Sh. Dileep Kumar, ED (Corp FM), NTPC, Room No. 124, R&D Building, A-8A, Sector- 24, Noida.
11. Sh. A.K. Gupta, General Manager (S&M), CIL, Newtown, Rajarhat, Kolkata-700156.
12. CMDs of ECL/BCCL/CCL/NCL/SECL/MCL/WCL/SCCL.
13. CMD/MD's of IPP's

Copy to:
(i) PSO to Secy. Coal
(ii) PS to AS (VKT)
(iii) PS to AS (VT)
(iv) PS to Dir (T) NA/CPD

Copy to: Cabinet Secretariat (Under Secretary, CA-3)

Minutes of the Sub Group (IPP's) meeting held on 28.12.2022 to review Infrastructure Constraints

The meeting of the Sub-Group constituted by the Infrastructure Constraints Review Committee was held on 28.12.2022 at 3:00 PM through Video Conferencing. It was chaired by Additional Secretary (VT), Ministry of Coal and attended by officials of MoC, MoP, Railway Board, CEA, SCCL, & IPPs, as well as CIL Kolkata/Subsidiaries HQ/CIL Delhi.

List of Participants is at ANNEXURE.

Subgroup Decisions on Coal Supply to Plants:

S. No.	Genco/ Power Plant	Coal Company	Supply Plan / Supply as per Subgroup Decision Dated: 14.12.2022		Supply Plan as per Subgroup decision 28.12.2022	Remarks
			Plan	Actual Supply		
1	**Mahatma Gandhi/ Jhajjar**	ECL	0.25 Rake	0.2 Rake	0.25 Rake	Power plant informed that 60,000 Te coal was lying at GSS. Railways to supply rakes to clear coal stock.
		BCCL	0.5 Rake	0.8Rake	0.5 Rake	
		CCL	1.5 Rakes	1.1 Rake	1.5 Rakes	
		NCL	0.5 Rakes	0.4 Rake	0.5 Rakes	
		Total	**2.75 Rakes**	**2.5 Rakes**	**2.75 Rakes**	
2	**Nabha Power**	CCL	1.5 Rake – RCR	0.6 Rake – RCR	1.5 Rake – RCR	
		NCL	2.0 Rakes	2.0 Rakes	2.0 Rakes	
		SECL	2.5 Rakes	1.4 Rake	1.5 Rakes	
		Total	**6.0 Rakes (Incl. RCR)**	**4.0 Rake (Incl. RCR)**	**5.0 Rakes (Incl. RCR)**	
3	**Talwandi Sabo**	CCL	1.75 Rake (RCR)	0.8 Rake (RCR)	1.75 Rake (RCR)	Power plant yet to decide on the offer of coal under RCR by NCL. Railway informed regarding high unloading time. Needs to be resolved by plant. Lifting of coal under RCR needs to increase from CCL.
		NCL	0.8 Rake	0.6 Rake	0.8 Rake	
		MCL	6.5 Rakes	5.2 Rakes	6.5 Rakes	
		Total	**9.05 Rakes (Incl. RCR)**	**6.6 Rakes (Incl. RCR)**	**9.05 Rakes (Incl. RCR)**	
4	**Kawai TPP**	NCL	2.0 Rakes	2.1 Rakes	2.0 Rakes	

		SECL	1.0 Rakes	0.7 Rake	1.5 Rakes	
		TOTAL	**3.0 Rakes**	**2.8 Rakes**	**3.5 Rakes**	
5	**Bajaj Group**	NCL	0.5 Rake RCR	0.0 Rake (RCR)	0.5 Rake RCR	
6	**Lalitpur**	CCL	1.5 Rake 3 Rake (RCR)	1.0 Rakes 1.0 Rake (RCR)	1.5 Rake 3 Rake (RCR)	Railways informed about high unloading time. Power plant needs to resolve for sustained supply.
		NCL	1.5 Rake	1.6 Rake	1.5 Rake	
		SECL	0.8 Rake	0.7 Rake	0.8 Rake	
		MCL	0.2 Rake	0.1 Rake	0.2 Rake	
		Total	**7.0 Rake (Incl. RCR)**	**4.4 Rake(Incl. RCR)**	**7.0 Rake (Incl. RCR)**	
7	**Prayagraj TPP**	NCL	4.0 Rakes 2.5 Rakes (RCR)	3.8 Rakes 2.8 Rakes (RCR)	4.0 Rakes 2.5 Rakes (RCR)	RCR lifting to be increased. Railways informed that supply can be maintained if power plant timely unloads.
		Total	**6.5 Rakes (Incl. RCR)**	**6.6 Rakes (Incl. RCR)**	**6.5 Rakes (Incl. RCR)**	
8	**Rosa TPP**	CCL	4.5 Rakes	3.9 Rakes	4.5 Rakes	No progress in RCR lifting.
9	**Balco TPS**	SECL	1.0 Rake	0.9 Rake	1.0 Rake	
10	**Akaltara**	SECL	3.0 Rake 1.5 Rake RCR	3.2 Rakes 0.6 Rake RCR	3.0 Rake 1.5 Rake RCR	No representative attended. RCR lifting to increase from 2500 to 6000 TPD.
		MCL	1.0 Rake	1.3 Rake	1.0 Rake	
		NCL	0.2 Rake	0.0 Rake	0.2 Rake	
		Total	**5.7 Rake Incl. RCR**	**5.1 Rake (incl.RCR)**	**5.7 Rake Incl. RCR**	
11	**Baradhara TPS/ DB Power**	SECL	2.5 Rake	1.7 Rake	2.0 Rake	
		CCL	0.5 Rake	0.2 Rake	0.5 Rake	
		MCL	-	-	0.2 Rake	
		Total	**3.0 Rake**	**1.8 Rake**	**2.7 Rake**	
12	**Binjkote**	SECL	0.5 Rake	0.3 Rake	0.5 Rake	Only 01 value paid rake pending and further no payment for December

						month. CEA may take up with Power plant.
13	**Pathadi TPS**	SECL	1.0 Rake	1.3 Rake	0.0 Rake	
14	**Unchpinda**	SECL	1.0 Rake	1.5 Rake	1.0 Rake	
		MCL	1.0 Rake	0.8 Rake	1.0 Rake	
		CCL	-	-	0.2 Rake	
		Total	**2.0 Rake**	**2.3 Rakes**	**2.2 Rake**	
15	**Sabarmati**	SECL	1.0 Rake	0.7 Rakes	1.5 Rake	
16	**Anuppur (MB Power)**	SECL	3.5 Rake – 1.5 Rake- RCR	2.3 Rakes 0.9 Rake RCR	3.5 Rake – 1.5 Rake- RCR	RCR lifting to be increased from 3200 TPD to 6000 TPD.
17	**Hiranmaye TPS**	MCL	2.0 Rakes	1.1 Rake	2.0 Rakes	Railway to augment supply as per plan.
18	**Hinduja/Vizag TPS**	MCL	4.5 Rakes	3.6 Rakes	4.5 Rakes	Power plant needs to reduce unloading time of rakes.
19	**Bina**	CCL	1.0 Rake	0.7 Rake	1.5 Rake	
		SECL	0.5 Rake (RCR)	0.7 Rake RCR	0.5 Rake (RCR)	
		Total	**1.5 Rake (Incl. RCR)**	**1.4 Rake (Incl. RCR)**	**2.0 Rake (Incl. RCR)**	
20	**Seioni / Jhabua**	SECL	1.5 Rake	0.9 Rake	1.5 Rake	
		MCL	0.5 Rake	0.3 Rake	0.5 Rake	
		Total	**2.0 Rake**	**1.3 Rake**	**2.0 Rake**	
21	**Amravati**	SECL	5.0 Rakes 2.0 Rakes (RCR)	3.3 Rakes 1.1 Rake (RCR)	5.0 Rakes 2.0 Rakes (RCR)	Around 1.5 LT & 0.5 LT coal lying at Junadih (3 & 4) and Akaltara GSS respectively. Railways to supply rakes for liquidation.
22	**Avantha Bhandar**	MCL	1.0 Rakes	1.4 Rakes	1.0 Rakes	
		SECL	0.5 Rake	0.1 Rake	0.5 Rake	
		Total	**1.5 Rake**	**1.5 Rake**	**1.5 Rake**	

23	**Dahanu**	SECL	1.0 Rake	0.5 Rake	1.5 Rake	0.90 LT coal lying at washeries sidings. Railways to augment rake supply.
24	**Dhariwal TPS**	SECL	1.5 Rakes	1.1 Rake	1.5 Rakes	Only 2 value paid pending at WCL
		WCL	0.7 Rake	0.3 Rake	0.7 Rake	
		MCL	0.3 Rake	0.0 Rakes	0.3 Rake	
		Total	**2.5 Rakes**	**1.4 Rake**	**2.5 Rakes**	
25	**Wardha Warora**	WCL	Coal supply as per payment.			
26	**GMR Warora**	SECL	1.0 Rake	0.6 Rake	1.0 rake	4 value paid rakes pending.
27	**AdaniTirora**	SECL	5.5 Rakes	5.8 Rakes	5.5 Rakes	
		WCL	3.0 Rakes (RCR)	2.7 Rakes (RCR)	3.0 Rakes (RCR)	
		MCL	0.5 Rake	0.6 Rake	0.5 Rake	
		Total	**9.0 Rakes (Incl RCR)**	**9.1 Rake (Incl RCR)**	**9.0 Rakes (Incl RCR)**	
28	**Painampuram**	MCL	4.0 Rake (Including SGPL)	3.8 Rakes	4.0 Rake (Including SGPL)	1.0 LT coal stock at port to be cleared.
29	**Tata Power Jojobera**	CCL	0.5 Rake – IR 1.0 Rake - RCR	0.4 Rake – IR 0.5 Rake – RCR	0.5 Rake – IR 1.0 Rake - RCR	
30	**MahadevPd./ Adhunik Power**	CCL	1.0 Rake	0.5 Rakes	1.0 Rake	
31	**GMR Kamalanga**	MCL	3.0 Rakes	3.8 Rakes	3.5 Rakes	
32	**Sterlite Energy/ Vedanta**	MCL	2.0 Rake	2.9 Rake	2.0 Rake	
33	**CESC(Budge Budge)**	ECL	0.5 Rake	0.6 Rake	0.5 Rake	Stock at captive mine end is around 1.9 LT. Presently only one rake moving from captive mine. To increase offtake to at least 2 rakes/day.
		MCL	0.5 Rake	0.4 Rake	0.5 Rake	
		Total	**1.0 Rake**	**1.0 Rakes**	**1.0 Rake**	

34	**Haldia**	MCL	3.0 Rakes	1.9 Rakes	3.0 Rakes	Railways to augment supply as per plan.
35	**GVK**	CCL	Coal Supply as per payment			
36	**Raipur Energen/ Raikheda**	MCL	1.0 Rake	0.9 Rakes	1.0 Rake	
		CCL	0.5 Rake	0.0 Rake	1.0 Rake	
		SECL	0.2 Rake	0.1 Rake	0.2 Rake	
		Total	**1.7 Rake**	**1.0 Rake**	**2.2 Rake**	
37	**Maha Energen Limited**	CCL	0.9 Rake	-	0.9 Rake	

MCL and SECL to clear outstanding SFeA rakes as directed earlier.

Annexure

List of participants

Ministry of Coal

1. Smt VismitaTej, Additional Secretary
2. Sh. V. Marapally , Director-CPD/NA

Ministry of Power/CEA

1. Shri M Muthuraja , Director MOP
2. Shri Lokendra Singh Tomer, CEA

Railway Board/ Zone

1. Shri Avinash Kumar Mishra ED (Coal), Railways Board

Representatives of Power Plants

1. Shri Rajneesh Sethia, Mahatma Gandhi
2. Shri Ankit Gupta, TSPL
3. Shri Vikarant Aggrawal, Pathadi
4. Shri Ankush Jain, Bajaj Energy
5. Shri Vernon Morasis, Dhariwal
6. Shri Lalit Joshi Anuppur Power
7. Shri Ravi Sahay, DB Power
8. Shri Madan Gupta, Bina

9. Shri Rajesh Tripathi, Amravati TPS
10. Shri Jitesh Pal, Adani Power
11. ShriBikram Setapathy, Hiranmaye TPS
12. Shri S.N. Lahiri ,CESC
13. Shri P K Pradhan, Hinduja TPS
14. Shri Mahendra Bhagat, Binjkot
15. Shri Saurabh, NPL
16. Shri Naresh, Dahanu
17. Shri Achesh Maravia, Sabarmati
18. Shri Bijan Pangrahi, GMR Kamlanga
19. Shri Akash Saxena, GMR Warora
20. Shri Anirudh, Painapuram

Coal India Limited

1. Shri A.K. Gupta, General Manager (M&S), CIL, Kolkata
2. GM/HoD(M&S)- ECL, BCCL, CCL, NCL, WCL, SECL, MCL

ANNEXURE-P4
Report dtd. 30.06.2023

JPP/ 126 /2023
30.06.2023

To,
The Secretary
Jharkhand State Electricity Regulatory Commission
1st Floor, Jharkhand Housing Board Headquarter (Old Building)
Harmu Housing Colony, Ranchi-834002

Subject: Submission of Report on Fuel Mix for Q4 FY 2022-23

Sir,

This is in reference to the Tariff Order dated 04.11.2022 and earlier Orders dated 14.02.2020 and 27.12.2019, wherein Hon'ble Commission directed Tata Power to submit quarterly report with regard to variations in Coal Mix compared to what had been approved along with reasons for the same. Directive of the Hon'ble Commission in this regard is reproduced below for ready reference:

> *"A 9: DIRECTIVES*
>
> ***Fuel Mix***
>
> *9.3 The Commission has observed that due to various reasons, the Petitioner has procured coal from sources other than what had been approved. Such variations lead to a change in the fuel mix and the landed cost. The Petitioner is directed to bring to the notice of the Commission any such changes with regard to coal mix with proper justification on Quarterly basis. Further, the Petitioner is directed to carry out techno-commercial audit to identify the reasons for high energy charge and submit the report within six months of issuance of this Order."*

In view of the above directive, Tata Power hereby in the enclosed Appendix-A is providing the fuel mix report of Q4 FY 2022-23 for kind consideration of the Hon'ble Commission.

Thanking you,

Yours Sincerely,

(Jagmit Singh Sidhu)
CEO-IEL & Chief - Jamshedpur Operation

Enclosure: Appendix-A.

TATA POWER
The Tata Power Company Limited
Jamshedpur - 831016 India
Tel: 0657- 6627636
Registered Office Bombay House 24 Homi Mody Street Mumbai 400 001

APPENDIX-A

Quarterly Report on the Fuel Mix – (Jan-Feb-March-2023)/FY 22-23

1. The Hon'ble Commission in the Tariff Order dated 04.11.2022 in Case Tariff No. 10 of 2020, Tariff Order dated 14.02.2020 in Case Tariff No. 1 of 2019 and in earlier Tariff Order dated 27.12.2019 in Case Tariff No. 05 of 2018 directed Tata Power to submit quarterly report with regard to variations in Coal Mix compared to what had been approved along with reasons for the same. Directive of the Hon'ble Commission in this regard is reproduced below for ready reference:

   "A 9: DIRECTIVES

   Fuel Mix

   9.3 The Commission has observed that due to various reasons, the Petitioner has procured coal from sources other than what had been approved. Such variations lead to a change in the fuel mix and the landed cost. The Petitioner is directed to bring to the notice of the Commission any such changes with regard to coal mix with proper justification on Quarterly basis. Further, the Petitioner is directed to carry out techno-commercial audit to identify the reasons for high energy charge and submit the report within six months of issuance of this Order."

2. In view of the above directive, Tata Power through the instant submission is submitting the actual fuel Mix for the period Jan 2023 to March 2023, i.e., Quarter 4 (Q4) of FY 2022-23, highlighting the deviations from the approved coal mix in MYT Order dated 04.11.2022 for FY 2022-23 and reasons for the same for kind perusal and consideration of the Hon'ble Commission.

3. A summary of the approved fuel mix in the MYT Order vis-à-vis actual fuel mix for Q4 FY 2022-23 with regard to Unit 2 and Unit 3 is presented below for kind perusal and consideration of the Hon'ble Commission:

Unit	Unit 2 Jan 23 - March 23		Unit 3 Jan 23 - March 23	
Particulars	Approved in MYT Order	Actual	Approved in MYT Order	Actual
Middling	21.81%	25.19%	21.80%	40.41%
ECL Shakti	6.42%	13.78%	6.42%	0.00%
MCL Shakti	13.95%	14.46%	13.95%	14.04%
CCL Shakti	14.49%	0.05%	14.49%	0.00%
CCL Shakti R3	43.33%	24.89%	43.34%	20.88%
CCL SFA Coal	0%	0.00%	0%	0.00%
CCl Shakti WIV	0%	21.39%	0%	24.66%
WB Reject/Tailing	0%	0.23%	0%	0.00%
Total	100.00%	100.00%	100.00%	100.00%

4. The deviations (actual vis-à-vis approved coal mix) as shown above is mainly due to combined effect of following factors which were beyond the control of Tata Power:
   (a) Increase in Demand of Distribution Licensee compared to initial estimation, thus, requiring more coal than initially projected for meeting the increased demand.

(b) Supply of CCL allocations under RCR mode in terms of Sub-Group Decision on Coal Supply to Gencos.
(c) Middling coal was consumed more in Unit 3 compared to projections as demand of the distribution licensee was comparatively higher compared to projection and supply shortage in linkage coal. Actual PLF for Q4 was about 96 % against the initial projection of about 85%.
(d) Lower receipt of CCL Shakti Coal under Round 2 in view of coal scarcity coupled with logistic constraints.
(e) Further, small quantity of WB reject/tailing coals were also consumed which were earlier procured considering coal scarcity across nation.

5. The above reasons are discussed in detail hereunder:

6. With respect to point (a), it is submitted that actual PLF for Unit 3 for Q4 (FY 22-23) was about 96%, which is significantly higher compared to initial projection of about 85%. Therefore, to meet the increased demand, Tata Power was required to source additional coal causing variation in the fuel mix. Also, since supply of linkage coal was lower, monthly requirement was met by consuming higher middling coal. Such variations in supply and consumption are unavoidable and beyond the control of Tata Power. It is apposite to mention in last quarter, consumption of shakti Coal was higher considering better receipt and short supply in middling coal and hence, benefit of lower cost was passed on to beneficiaries. In this context, it is further submitted that the linkage under shakti coal is only sufficient corresponding to PLF of 75% and, hence, the balance coal has to be arranged from alternate sources including Middling Coal, other reject coal from collieries of West Bokaro, e-auction coal or Imported coal. The above fact was also highlighted by the Petitioner in the MYT Petition and was acknowledged by the Hon'ble Commission in the MYT Order dated 04.11.2022. The Hon'ble Commission may further appreciate that demand of a distribution licensee is beyond the control of Generating Station and, hence, the above variations is inevitable and beyond the control of Generating Station.
7. With respect to point (b),(c),(d) & (e), it may kindly be noted that the Ministry of Power (MoP) in series of directions/notifications including directions issued in FY 23 recognized the shortage of domestic coal and advised generating stations to procure imported coal to meet shortfall. Till now, either by resorting to FSA coal or other domestic sources, the Petitioner has averted the need of high cost imported coal and has optimized energy cost. MoP further, vide its letter dated 09.01.2023 has observed that with increasing power demand, there is an expectation that the domestic coal alone would not suffice the requirement, hence, all Generating Companies have been directed to import coal for blending 6% (by weight) for the remaining period of current FY i.e FY 23 and H1 of next FY (till Sept 2023). A copy of the MoP's direction in this regard is enclosed herewith and marked as **Annexure-1**.
8. In furtherance to above, the Sub-Group constituted by the Infrastructure Constraints Review Committee comprising of members from MoP, MoC, Railways, CEA, CIL and officials from Generating companies during the weekly review meeting on supply of coal to power sector and supply plan to augment the coal stock at Plants/Gencos having lesser coal stock, has recommended a maximum of only 1 Rake in Road cum Rail (RCR) mode from CCL to Jojobera Units 2&3. Sample Minutes of the Sub-Group weekly meetings are enclosed herewith and marked as **Annexure-2**

wherein supply plan from CCL to Jojobera plant is indicated as 1 rake RCR. Supply from some of the mines was not even regular due to logistic constraints even in RCR mode.

9. Therefore, in view of above coal crisis and in order to meet the coal requirement for Jojobera Units 2 & 3, coal supply from CCL to Jojobera unit was constrained to be supplied under RCR mode only as advised by Sub-Group. The above restriction has, thus, impacted the actual coal materialization of CCL Shakti coal, lead to supply of CCL WIV Coal which consequently, impacted the overall coal cost which is beyond the control of Tata Power.
10. Moreover, it is submitted that the sourcing of Imported coal could have impacted the Energy Charge Rate severely, however, with all proactive and diligent measures, Tata power was able to manage its coal requirements through CIL and Collieries of West Bokaro thereby containing the overall increase in coal cost.

Impact on Energy Charge Rate:

11. Pursuant to change in fuel mix for Q4 for reasons stated above and also taking into account the deviations in previous quarters, the Petitioner assessed the deviations in the Energy Charge Rate for FY 2022-23 compared to the ECR approved in the MYT Order for FY 2022-23 since FY is over. Such deviations have been categorized under following heads:
    (a) Variation due to change in GCV/Price of the approved sources which has led to the increase in the coal cost and, hence, such increase/decrease is basically on account of market forces/ recommendation of subgroup which is beyond the control of the Petitioner which is beyond the control of the Petitioner.
    (b) Variation due to change in fuel mix for reasons as stated above.

12. Difference in ECR for FY 2022-23 compared to ECR approved in the MYT Order for FY 22-23 and effect of each factor as stated above on ECR have been demonstrated in the Table below for kind perusal of the Hon'ble Commission. The detailed workings for the same have been enclosed in **ANNEXURE-3** for kind reference of the Hon'ble Commission. For instant submission, Transit loss has been considered at the Normative Level and, hence, impact of the same on the Energy Charge Rate is nil for the instant submission. However, Tata Power shall update the actual Transit Loss figures or any other claim pertaining to energy charges at the time of true-up. Similarly, Specific Secondary fuel oil consumption has been considered at the normative level of 0.5 ml/kWh, as stipulated in Generation Tariff Regulation 2020.

Unit 2:

	Particulars - Unit 2				
Sl.No	**Period**	**Apr 22 - Mar 23**			
1	Fuel Mix (In terms of Quantity)	UoM	Approved in MYT Order	Actual (w/o change in fuel mix)	Actual
	Non-SHAKTI Coal	%	21.81%	21.81%	24.62%
	SHAKTI Coal	%	78.19%	78.19%	75.38%
2	Weighted Avg. GCV_{NS} Coal	kCal/Kg	3861	4100	3539
	Weighted Avg. LP_{NS} Coal	Rs/MT	4223	5301	4402
	Weighted Avg. GCV_{S} Coal	kCal/Kg	3816	3749	3911
	Weighted Avg. LP_{S} Coal	Rs/MT	3587	3520	4016
	Weighted Avg. GCV_{EFF} Coal	kCal/Kg	3825	3825	3820
	Weighted Avg. LP_{EFF} Coal	Rs/MT	3725	3908	4111
	Weighted Avg. GCV_{LDO}	KCal/L	9100	10695	10695
	Weighted Avg. LP_{LDO}	Rs/KL	45198	74077	74077
3	ECR_{NS} Coal	Rs/kWh	3.059	3.616	3.478
4	ECR_{S} Coal		2.629	2.625	2.871
5	ECR_{EFF} Coal		2.724	2.857	3.009
6	ECR_{LDO}		0.025	0.041	0.041
7	Discount due to SHAKTI Coal		0.044	0.044	0.042
8	$ECR_{EFF\ (WITH\ SHAKTI\ Discount)}$		2.705	2.854	3.008
9	$ECR_{ACTUAL-PROPOSED}$	Rs/kWh			0.303
	i - Variation due to Change in GCV/Price of Coal				0.149
	ii - Variation due to Change in Fuel Mix of Coal				0.154

Unit 3:

	Particulars - Unit 3				
Sl.No	**Period**	**Apr 22 - Mar 23**			
1	Fuel Mix (In terms of Quantity)	UoM	Proposed in MYT Petition	Actual (w/o change in fuel mix)	Actual
	Non-SHAKTI Coal	%	21.80%	21.80%	26.86%
	SHAKTI Coal	%	78.20%	78.20%	73.14%

2	Weighted Avg. GCV_{NS} Coal	kCal/Kg	3860	4105	3732
	Weighted Avg. LP_{NS} Coal	Rs/MT	4223	5171	4578
	Weighted Avg. GCV_{S} Coal	kCal/Kg	3817	3796	3820
	Weighted Avg. LP_{S} Coal	Rs/MT	3713	3597	3851
	Weighted Avg. GCV_{EFF} Coal	kCal/Kg	3826	3863	3797
	Weighted Avg. LP_{EFF} Coal	Rs/MT	3824	3940	4046
	Weighted Avg. GCV_{LDO}	KCal/L	9100	10356	10356
	Weighted Avg. LP_{LDO}	Rs/KL	45196	71491	71491
3	ECR_{NS} Coal	Rs/kWh	3.060	3.523	3.430
4	ECR_{S} Coal		2.722	2.650	2.819
5	ECR_{EFF} Coal		2.796	2.852	2.980
6	ECR_{LDO}		0.025	0.039	0.039
7	Discount due to SHAKTI Coal		0.044	0.043	0.041
8	$ECR_{EFF\ (WITH\ SHAKTI\ Discount)}$		2.777	2.848	2.979
9	$ECR_{ACTUAL-PROPOSED}$	Rs/kWh			0.202
	i - Variation due to Change in GCV/Price of Coal				0.071
	ii - Variation due to Change in Fuel Mix of Coal				0.131

13. As can be seen from the above Tables, ECR for FY 2022-23 has increased by 30.31 Paise/kWh in Unit 2 and by 20.19 Paise/kWh in Unit 3 respectively compared to approved. Moreover, the above variation is mostly on account of variations in supply of SHAKTI coal and supply of SHAKTI Coal under RCR mode pursuant to directions/recommendations of the Sub-Group Committee constituted by MoP as explained above and in previous quarterly reports to ease coal crisis across nation and due to increase in cost of LDO owing to market forces which is beyond the Control of Tata Power. It is worth mentioning that Tata Power has been able to contain the actual ECR i.e. Rs. 3.050/kWh (3.009+0.041) for Unit 2 and Rs. 3.020/kWh(2.980+0.039) within the projected ECR of Rs. 3.141/kWh for Unit 2 and Rs. 3.083/kWh in APR Petition for FY 2022-23 by resorting to domestic coal supply only through its continued efforts.
14. In view of the foregoing, the Petitioner most humbly prays before this Hon'ble Commission for kind consideration of actual fuel mix and the consequent cost for FY 2022-23 for Unit 2 and Unit 3.

ANNEXURE-1

File No: FU-21/2020-FSC(Vol-IV)
Government of India
Ministry of Power

Shram Shakti Bhawan, Rafi Marg,
New Delhi, dated 9.1.2023

To,

1. Principal Secretaries/Secretary (Power/Energy) of all State Governments/ UTs
2. CMDs, Thermal Generating Stations (Central, State GENCOs/IPPs)

Subject: Direction to all Gencos including Independent Power Producers (IPPs) for timely Import of Coal for blending purposes and maximising production in captive coal mines – reg.

Due to recent surge in demand and consumption of electricity, the share of coal-based generation has increased. Although the supply of coal from all sources has increased, it is not commensurate with the requirements of thermal power plants (TPPs).

2. Ministry of Power (MoP) is very closely monitoring the coal availability for TPPs. Efforts have been made to increase coal availability from all sources (CIL, SECL, Captive) in coordination with Ministry of Coal (MoC). Although coal supply has increased during Q4, it is not adequate to meet the unprecedented increase in the demand of electricity. Similarly efforts have been made to address logistic issues in cooperation with Ministry of Railways (MoR). In order to ease out the logistic pressure on Railways, MoP has planned to transport available coal from MCL region through RSR mode to TPPs located in Northern & Western parts of the country. Accordingly directions have been issued to source 10 to 15% of their requirement through RSR mode to the States of Gujarat, Rajasthan, Maharashtra and Punjab as well as NTPC. Efforts have also been made to address the constraints in transportation of coal (RCR, Road, ARR) through all modes. Despites the above mentioned efforts, it has been noted that the infrastructure related logistic constraints of Railways will take some time to get fully addressed.

3. Grid India (POSOCO) has reported that the energy demand has increased sharply and it is expected to remain at increased level during H1 of 2023-2024. CEA has accordingly revised the target for coal requirement for Q4 of current FY and H1 of next FY. MoC has committed to supply coal to meet the revised target of 197.7 MT, however it is subject to availability of rakes and other logistic issues. As per the past trend, the likely supply of domestic coal during the H1, FY 2023-24 would be around 392 MT. Thus, around 24 MT would be the anticipated shortfall during the H1 of FY 24. It is noted that the shortfall between the daily coal consumption and the daily arrival of domestic coal is ranging from 3 Lakh Tonnes per day to 1 Lakh Tonnes per day. This shortfall is made up by blending with imported coal. It is assessed that coal stock position without blending of imported coal in DCBs will progressively decline to zero which will severely impact power supply position in the country.

4. Import of coal for blending purpose needs to be done in a streamlined manner in order to avoid clogging of logistics. During Q1 & Q2 of FY 23, imported coal stocks at ports piled up due to logistics constraints.

5. In the light of above scenario where energy demand is increasing and increase in supply of coal is not commensurate with the domestic coal requirement, the need has arisen to continue use imported coal for blending purpose. MoP, after consultation with CEA, MoC, MoR and Association of Power Producers (APP) has decided to direct all Gencos to import coal for blending 6% (by weight) for the remaining period of this current FY and H1 of the next FY (upto September, 2023). The domestic coal supply of those Gencos who do not follow these instructions shall be restricted to pro-rata basis. The Central, State Gencos and IPPs are directed to take necessary action and immediately plan to import coal through a transparent competitive procurement for blending at the rate of 6% by weight so as to have coal stocks at their power plants for smooth operations till September 2023.

6. This issues with the approval of Hon'ble Minister of Power & NRE.

(Subhash Chand)
Under Secretary to the Govt. of India

Copy to:

1. Secretary, Ministry of Coal
2. Secretary, CERC/ All SERCs
3. Chairman, Railway Board
4. Chairman, Central Electricity Authority
5. DG, Association of Power Producers (APP)

Copy also to NIC with the request to upload the same on MoP Portal.

NIC

9.1.2023

ANNEXURE-2

F. No.23011/72/2013-CPD (Vol.II) Part (1)
Government of India
Ministry of Coal

Shastri Bhawan, New Delhi,
Date: 10. 02.2023

OFFICE MEMORANDUM

Subject: - Minutes of 703rd meeting of the Sub-Group (IPP's) constituted by Infrastructure Constrains Review Committee to look into the issues of critical power houses.

The undersigned is directed to forward herewith a copy of the minutes of 703rd meeting of the Sub-Group (IPP's) held on 10.02.2023 for reviewing the position of critical thermal power stations for information and necessary action.

Encl. as above

10/02/2023
(Pardeep Kumar)
Assistant Director

To

1. Sh. Vivek Kumar Dewangan, Additional Secretary, Ministry of Power, Shram Shakti Bhawan, New Delhi.
2. Shri Piyush Singh, JS, M/o Power
3. Sh. Avinash Kumar Mishra, ED (Coal), Ministry of Railways (Railway Board), Rail Bhawan, New Delhi.
4. Sh. Vinay Kumar Prajapati, Director, Ministry of Shipping, Transport Bhawan, New Delhi.
5. Sh. Manoj Kumar Upadhyay, SRO (Power & Energy), NITI Aayog, Yojana Bhavan, New Delhi.
6. Shri Nitin Prakash, Deputy Director, CEA
7. Director (Marketing), CIL, Coal Bhawan, Newtown, Rajarhat, Kolkata-700156.
8. R.O, SCCL, 526, Hawa Singh Block, Khel Gaon, New Delhi.
9. Sh. Bhimsen, CM, CIL, Scope Minar, Laxmi Nagar, New Delhi.
10. Sh. Dileep Kumar, ED (Corp FM), NTPC, Room No. 124, R&D Building, A-8A, Sector- 24, Noida.
11. Sh. A.K. Gupta, General Manager (S&M), CIL, Newtown, Rajarhat, Kolkata-700156.
12. CMDs of ECL/BCCL/CCL/NCL/SECL/MCL/WCL/SCCL.
13. CMD/MD's of IPP's

Copy to:
(i) PS to AS (VKT)
(ii) PS to JS (CPD)
(iii) PS to Dir. (CPD)
(iv) PS to Dir (T) NA

Copy to: Cabinet Secretariat (Under Secretary, CA-3)

Minutes of the Sub Group (IPP's) meeting held on 10.02.2023 to review Infrastructure Constraints

The meeting of the Sub-Group constituted by the Infrastructure Constraints Review Committee was held on 10.02.2023 at 12:15 PM through Video Conferencing. It was chaired by Additional Secretary (CPD), Ministry of Coal and attended by officials of MoC, MoP, Railway Board, CEA, SCCL, & IPPs, as well as CIL Kolkata/Subsidiaries HQ/CIL Delhi.

List of Participants is at ANNEXURE.

Subgroup Decisions on Coal Supply to Plants:-

S. No.	Genco/ Power Plant	Coal Company	Supply Plan / Supply as per Subgroup Decision Dated: 24.01.2023		Supply Plan as per Subgroup decision 10.02.2023	Remarks
			Plan	Actual Supply		
1	**Mahatma Gandhi/ Jhajjar**	ECL	0.5 Rake	0.1 Rake	0.5 Rake	0.60 LT coal is lying at GSS and 4-5 indents are pending. Railways to provide rakes to clear the stock. Plant to deposit coal value at CCL for lifting of coal.
		BCCL	0.75 Rake	0.7 Rake	0.75 Rake	
		CCL	1.75 Rakes	1.5 Rake	1.75 Rakes	
		NCL	0.5 Rakes	0.4 Rake	0.5 Rakes	
		Total	**3.5 Rakes**	**2.7 Rakes**	**3.5 Rakes**	
2	**Nabha Power**	CCL	1.5 Rake – RCR	0.0 Rake – RCR	1.5 Rake – RCR	CIL to expedite matter relating to allocation of coal pending at CIL as informed by the Genco.
		NCL	2.0 Rakes	1.9 Rakes	2.0 Rakes	
		SECL	1.5 Rakes	1.2 Rake	1.5 Rakes	
		Total	**5.0 Rakes (Incl. RCR)**	**3.1 Rake (Incl. RCR)**	**5.0 Rakes (Incl. RCR)**	
3	**Talwandi Sabo**	CCL	1.75 Rake (RCR)	1.1 Rake (RCR)	1.75 Rake (RCR)	Two days issues in belt conveyor at the plant end had impacted the unloading. Both plant and Railways informed
		NCL	0.8 Rake	0.4 Rake	0.8 Rake	
		MCL	7.5 Rakes	4.5 Rakes	7.5 Rakes	

		Total	**10.05 Rakes (Incl. RCR)**	**6.0 Rakes (Incl. RCR)**	**10.05 Rakes (Incl. RCR)**	that the matter has been resolved. Railways to augment supply of rakes as per matrix.
4	**Kawai TPP**	NCL	2.0 Rakes	1.7 Rakes	2.0 Rakes	
		SECL	2.0 Rakes	1.1 Rake	2.0 Rakes	
		TOTAL	**4.0 Rakes**	**2.8 Rakes**	**4.0 Rakes**	
5	**Bajaj Group**	NCL	0.5 Rake RCR 0.5 Rake IR	0.3 Rakes 0.4 Rake (RCR)	0.5 Rake RCR 0.5 Rake IR	
6	**Lalitpur**	CCL	1.5 Rake 3.0 Rake (RCR)	0.3 Rakes 0.2 Rake (RCR)	0.5 Rake 3 Rake (RCR)	Due to Planned maintenance of one unit consumption of the plant reduced.
		NCL	1.5 Rake	1.6 Rake	1.0 Rake	RCR lifting needs to increase.
		SECL	0.8 Rake	0.7 Rake	0.8 Rake	
		MCL	0.2 Rake	0.0 Rake	0.2 Rake	
		Total	**7.0 Rake (Incl. RCR)**	**2.8 Rake(Incl. RCR)**	**5.5 Rake (Incl. RCR)**	
7	**Prayagraj TPP**	NCL	4.5 Rakes 2.5 Rakes (RCR)	4.7 Rakes 1.2 Rakes (RCR)	4.5 Rakes 2.5 Rakes (RCR)	RCR lifting needs to increase from the level of 4500 TPD to 10,000 TDP.
		Total	**7.0 Rakes (Incl. RCR)**	**5.9 Rakes (Incl. RCR)**	**7.0 Rakes (Incl. RCR)**	0.76 LT coal lying at GSS siding and 17 indents pending. Railways to supply rakes.
8	**Rosa TPP**	CCL	4.0 Rakes	3.7 Rakes	4.0 Rakes	
9	**Balco TPS**	SECL	0.0 Rake	0.7 Rake	0.0 Rake	SECL and Railways to restrict supply as per Sub group plan.
10	**Akaltara**	SECL	2.0 Rake 1.5 Rake RCR	3.0 Rakes 0.7 Rake RCR	3.0 Rake 1.5 Rake RCR	RCR lifting needs to increase.

		MCL	1.0 Rake	0.6 Rake	1.0 Rake	
		NCL	0.4 Rake	0.5 Rake	0.4 Rake	
		Total	**4.9 Rake Incl. RCR**	**4.8 Rake (incl.RCR)**	**5.9 Rake Incl. RCR**	
11	**Baradhara TPS/ DB Power**	SECL	1.5 Rake	1.1 Rake	1.5 Rake	
		CCL	0.5 Rake	0.1 Rake	0.5 Rake	
		Total	**2.0 Rake**	**1.2 Rake**	**2.0 Rake**	
12	**Binjkote**	SECL	0.0 Rake	0.1 Rake	0.5 Rake	12 value paid rakes pending.
13	**Pathadi TPS**	SECL	0.0 Rake	1.1 Rake	0.0 Rake	SECL and Railways to restrict supply as per Sub group plan.
14	**Uchpinda**	SECL	1.0 Rake	0.6 Rake	1.0 Rake	
		MCL	0.0 Rake	0.3 Rake	1.0 Rake (B-viiia coal)	
		CCL	0.0 Rake	0.1 Rake	0.5 Rake (B-viiia coal)	
		Total	**1.0 Rake**	**1.0 Rakes**	**2.5 Rake**	
15	**Sabarmati**	SECL	1.5 Rake	1.1 Rakes	1.5 Rake	
16	**Anuppur (MB Power)**	SECL	2.5 Rake – 1.5 Rake- RCR	2.3 Rakes 0.8 Rake RCR	3.5 Rake – 1.5 Rake- RCR	RCR lifting needs to increase to 6000 TPD.
17	**Hiranmaye TPS**	MCL	2.0 Rakes	0.9 Rake	3.0 Rakes	Railways to augment supply to the plant as per Sub Group Plan. MCL to place indent as per allocation of Sub – group matrix.
18	**Hinduja/ Vizag TPS**	MCL	4.5 Rakes	2.8 Rakes	4.5 Rakes	Railways to augment supplies.

19	**Bina**	CCL	1.5 Rake	0.5 Rake	1.5 Rake	
		SECL	0.5 Rake (RCR)	1.1 Rake RCR	0.5 Rake (RCR)	
		Total	**2.0 Rake (Incl. RCR)**	**1.6 Rake (Incl. RCR)**	**2.0 Rake (Incl. RCR)**	
20	**Seioni / Jhabua**	SECL	1.5 Rake	0.6 Rake	1.5 Rake	
		MCL	0.5 Rake	0.6 Rake	0.5 Rake	
		Total	**2.0 Rake**	**1.2 Rake**	**2.0 Rake**	
21	**Amravati**	SECL	5.0 Rakes 2.0 Rakes (RCR)	3.4 Rakes 1.7 Rake (RCR)	5.0 Rakes 2.0 Rakes (RCR)	Stock position at GSS & PW:- GSS 0.41 LT PW 0.87 LT. Railways to augment supply of rakes. Plant advised to explore possibilities to start the movement from other operational GSS sidings.
22	**Avantha Bhandar**	MCL	0.0 Rakes	0.3 Rakes	1.0 Rakes	
		SECL	0.5 Rake	0.0 Rake	0.5 Rake	
		Total	**0.5 Rake**	**0.3 Rake**	**1.5 Rake**	
23	**Dahanu**	SECL	2.0 Rake	0.9 Rake	1.5 Rake	RCR lifting needs to improve from the level of 5000 TPD to 12000 TPD. Plant needs to reduce the unloading time.
24	**Dhariwal TPS**	SECL	1.5 Rakes	0.9 Rake	1.5 Rakes	Railways to increase supply of rakes at GSS as more than 1.09 LT coal lying over there. 25 Indents are pending.
		WCL	0.7 Rake	0.3 Rake	0.7 Rake	
		MCL	0.3 Rake	0.1 Rakes	0.0 Rake	
		Total	**2.5 Rakes**	**1.3 Rake**	**2.2 Rakes**	

25	**WardhaWarora**	WCL	Coal supply as per payment.			
26	**GMR Warora**	SECL	1.0 Rake	0.7 Rake	1.0 rake	15 value paid pending
27	**Adani Tirora**	SECL	7.0 Rakes	7.7 Rake	7.0 Rakes	
		WCL	3.0 Rakes (RCR)	2.5 Rakes (RCR)	3.0 Rakes (RCR)	
		MCL	0.5 Rake	0.4 Rake	0.5 Rake	
		Total	**10.5 Rakes (Incl RCR)**	**10.6 Rake (Incl RCR)**	**10.5 Rakes (Incl RCR)**	
28	**Painampuram**	MCL	6.0 Rake (Including SGPL)	5.2 Rakes	7.0 Rake (Including SGPL)	Plant to evacuate coal lying at Port.
29	**Tata Power Jojobera**	CCL	0.0 Rake – IR 1.0 Rake -RCR	0.0 Rake 0.2 Rake – RCR	0.0 Rake – IR 1.0 Rake -RCR	
30	**MahadevPd./ Adhunik Power**	CCL	2.0 Rake	1.7 Rakes	2.0 Rake	
31	**GMR Kamalanga**	MCL	4.5 Rakes	3.2 Rakes	4.5 Rakes	Railways to augment supply as per sub-group plan
32	**Sterlite Energy/ Vedanta**	MCL	2.0 Rake	1.9 Rake	3.0 Rake	
33	**CESC(Budge Budge)**	ECL	1.0 Rake	0.8 Rake	1.0 Rake	
		BCCL	_	0.4 Rake	0.00	
		MCL	0.0 Rake	0.0 Rake	0.0 Rake	
		Total	**1.0 Rake**	**1.2 Rakes**	**1.0 Rake**	
34	**Haldia**	MCL	3.0 Rakes	2.1 Rakes	3.0 Rakes	Plant informed that one unit under planned maintenance.
35	**GVK**	CCL	Coal Supply as per payment			
36	**Raipur Energen/ Raikheda**	MCL	1.5 Rake	1.3 Rakes	1.5 Rake	
		CCL	1.0 Rake	0.7 Rake	1.0 Rake	
		SECL	0.2 Rake	0.2 Rake	0.2 Rake	

		Total	2.7 Rake	2.2 Rake	2.7 Rake	
37	**Maha Energen Limited**	CCL	0.9 Rake	0.8 Rake	0.9 Rake	
38	**India Power/ Diselgarh**	CCL	0.2 Rake	0.1 Rake	0.2 Rake	

- Sub Group advised Railways and the coal companies to prioritize coal supply to the plants having critical coal stock.
- 2.0 rake/day is allocated to NTPL from MCL.
- 2.0 rakes/day in RSR mode to KPCL from MCL subject to supply formalities.

List of Participants

Ministry of Coal

1. Smt VismitaTej, Aditional Secretary CPD
2. Shri Sanjeev Kumar Kassi, Joint Secretary CPD

Ministry of Power/CEA

1. Shri Piyush Singh, Joint Secretary, MoP
2. Shri Chandra Prakash, Chief Engineer CEA
3. Shri Pawan Kumar Gupta, CEA

Railway Board/ Zone

1. Shri Subodh, Railways Board

Representatives of Power Plants

1. Shri Tarun Bajaj Mahatma Gandhi
2. Shri Saurabh Patel Nabha Power
3. Shri Ankit Gupta Talwandi Saboo
4. Shri S H Pandey Prayagraj
5. Shri Vernon Morasis Dhariwal
6. Shri Lalit Joshi Anuppur Power
7. Shri Ravi Sahay DB Power
8. Shri Sunil Sharan Bina
9. Shri Rajesh Amravati TPS
10. Shri Jitesh Pal Adani Power
11. Shri Prakash Sethia Hiranmaye TPS
12. Shri S.N. Lahiri CESC
13. Shri P K Pradhan Hinduja TPS

14. Shri. Ankush Jain, Bajaj Energy
15. Shri. Anand Mandrik, TSPL
16. Shri. Somendra, Vedanta
17. Shri. P.K. Pradhan, Hinduja
18. Shri Pawan Kabra, GMR Warora

Coal India Limited

1. Shri A.K. Gupta, General Manager (M&S), CIL, Kolkata
2. GM/HoD (M&S)- ECL, BCCL, CCL, NCL, WCL, SECL, MCL

F. No. CPD-23011/85/2022-CPD

Government of India

Ministry of Coal

Shastri Bhawan, New Delhi,

Dated: 24.03.2023

OFFICE MEMORANDUM

Subject: - Minutes of 709th meeting of the Sub-Group (IPP's) constituted by Infrastructure Constraints Review Committee to look into the issues of critical power houses.

The undersigned is directed to forward herewith a copy of the minutes of 709th meeting of the Sub-Group (IPP's) held on 23.03.2023 for reviewing the position of critical thermal power stations for information and necessary action.

Encl. as above

24/3/2023

(Pardeep Kumar)

Assistant Director

To

1. Shri Piyush Singh, JS (Thermal), M/o Power
2. Sh. H.S. Bajwa, ED(Coal), M/o Railways(Railway Board), Rail Bhawan, New Delhi.
3. Sh. Rajesh Asati, DS, Ministry of Shipping, Transport Bhawan, New Delhi.
4. Sh.Gopinath Nayak, DS, Ministry of Shipping, Transport Bhawan, New Delhi.
5. Sh. Manoj Kumar Upadhyay, SRO(Power&Energy), NITI Aayog, Yojana Bhavan, New Delhi.
6. Shri Nitin Prakash, Director, CEA
7. Director (Marketing), CIL, Coal Bhawan, Newtown, Rajarhat, Kolkata-700156.
8. R.O, SCCL, 526, Hawa Singh Block, Khel Gaon, New Delhi.
9. Sh. Bhimsen, CM, CIL, Scope Minar, Laxmi Nagar, New Delhi.
10 Sh. P.K. Mishra, ED (FM), NTPC, Room No. 124, R&D Building, A-8A, Sector-24, Noida.
11. Sh. A.K. Gupta, General Manager (S&M), CIL, Newtown, Rajarhat, Kolkata-700156.
12. CMDs of ECL/BCCL/CCL/NCL/SECL/MCL/WCL/SCCL.
13. CMD/MD's of IPP's

Copy to:

(i) PSO to Secy. Coal
(ii) PS to AS (VT)
(iii) PS to JS (CPD)
(iv) PA to DS(CPD)

Copy to: Cabinet Secretariat (Under Secretary, CA-3)

Minutes of the Sub Group (IPP's) meeting held on 23.03.2023 to review Infrastructure Constraints

The meeting of the Sub-Group constituted by the Infrastructure Constraints Review Committee was held on 23.03.2023 at 03.00 P.M under the chairmanship of Joint Secretary (CPD) through Video Conferencing. It was attended by officials of MoC, MoP, Railway Board, M/o PS&W, CEA, & IPPs, as well as CIL Kolkata/Subsidiaries HQ/CIL Delhi.

List of Participants is at ANNEXURE

Subgroup Decisions on Coal Supply to Plants:-

S. No.	Genco/ Power Plant	Coal Company	Supply Plan / Supply as per Subgroup Decision Dated: 10.03.2023		Supply Plan as per Subgroup decision 23.03.2023	Remarks
			Plan	Actual Supply		
1	**Mahatma Gandhi/ Jhajjar**	ECL	0.5 Rake	0.6 Rake	0.5 Rake	Plant informed that unit will be operationalizing in the 1st week of April.
		BCCL	0.75 Rake	0.9 Rake	0.75 Rake	
		CCL	1.75 Rakes	1.3 Rake	1.75 Rakes	
		NCL	0.5 Rakes	0.5 Rake	0.5 Rakes	
		Total	**3.5 Rakes**	**3.3 Rakes**	**3.5 Rakes**	
2	**Nabha Power**	CCL	0.00	0.00	1.5 Rake - RCR	Plant inform that due to interlocking work Railways will impose loading restriction from 29.03.23 to 01.04.23 from NCL and 27.03.23 to 31.03.23 from SECL . Coal Companies and railways needs to ensure supply of rakes as per allocation before imposition of loading restriction. Plant needs to take measures to increase RCR lifting
		NCL	1.5 Rakes	2.0 Rakes	1.5 Rakes	
		SECL	1.5 Rakes	1.0 Rake	2.5 Rakes (for two week and therafter 1.5 rakes)	
		Total	**4.5 Rakes (Incl. RCR)**	**3.0 Rake (Incl. RCR)**	**5.5 Rakes**	
3	**Talwandi Sabo**	CCL	1.75 Rake (RCR)	0.1 Rake (RCR)	1.75 Rake (RCR)	Railways to augment supply to materialize sub-group allocation.
		NCL	0.8 Rake	0.6 Rake	0.8 Rake	
		MCL	7.5 Rakes	4.7 Rakes	7.5 Rakes	

		MCL	7.5 Rakes	4.7 Rakes	7.5 Rakes	
		Total	**10.05 Rakes (Incl. RCR)**	**5.5 Rakes (Incl. RCR)**	**10.05 Rakes (Incl. RCR)**	
4	**Kawai TPP**	NCL	2.0 Rakes	2.6 Rakes	2.0 Rakes	Units under shut down because of technical constraints.
		SECL	2.0 Rakes	1.2 Rake	2.0 Rakes	
		TOTAL	**4.0 Rakes**	**3.8 Rakes**	**4.0 Rakes**	
5	**Bajaj Group**	NCL	0.5 Rake RCR 0.5 Rake IR	0.5 Rakes 0.3 Rake (RCR)	0.5 Rake RCR 0.5 Rake IR	
6	**Lalitpur**	CCL	0.5 Rake 3.0 Rake (RCR)	0.0 Rakes 1.9 Rake (RCR)	1.0 Rake 3.0 Rake (RCR)	Plant inform that Consumption will likely to increase in coming days. Coal Companies & Railways is required to ensure the supplies as per sub-group plan.
		NCL	1.0 Rake	1.0 Rake	1.5 Rake	
		SECL	0.8 Rake	0.7 Rake	0.8 Rake	
		MCL	0.2 Rake		0.2 Rake	
		Total	**5.5 Rake (Incl. RCR)**	**3.6 Rake(Incl. RCR)**	**6.5 Rake (Incl. RCR)**	
7	**Prayagraj TPP**	NCL	4.0 Rakes 2.5 Rakes (RCR)	4.0 Rakes 0.7 Rakes (RCR)	4.0 Rakes 2.5 Rakes (RCR)	Power plant is requested to enhance lifting of coal in RCR mode.
		MCL	0.5 Rakes (Shakti B-viiia)	0.3 Rake	0.5 Rakes (Shakti B-viiia)	
		Total	**7.00 Rakes (Incl. RCR)**	**5.2 Rakes (Incl. RCR)**	**7.0 Rakes (Incl. RCR)**	
8	**Rosa TPP**	CCL	3.5 Rakes	2.2 Rakes	3.5 Rakes	2 units under overhauling and it will be operationalize by the end of this month. Less availability of Box N affecting supply to the plant. Railways needs to take measure to materialize sub-group plan.
9	**Balco TPS**	SECL	0.5 Rake	0.8 Rake	0.5 Rake	Plant informed that Issue of unloading now resolved.

10	**Akaltara**	SECL	3.0 Rake 1.5 Rake RCR	0.8 Rakes 0.5 Rake RCR	3.0 Rake 1.5 Rake RCR	Plant informed that Belt changed in the last week. Unloading issue have been resolved.
		MCL	1.0 Rake	0.4 Rake	1.0 Rake	
		NCL	0.4 Rake	0.3 Rake	0.4 Rake	
		Total	**5.9 Rake Incl. RCR**	**2.3 Rake (incl.RCR)**	**5.9 Rake Incl. RCR**	
11	**Baradhara TPS/ DB Power**	SECL	1.5 Rake	1.6 Rake	1.5 Rake	Railways to adhere to sub group plan
		CCL	0.5 Rake	0.3 Rake	0.5 Rake	
		MCL	0.5 Rake (Shakti B viiia coal)	0.0 Rake	0.5 Rake (Shakti B viiia coal)	
		Total	**2.5 Rake**	**1.9 Rake**	**2.5 Rake**	
12	**Binjkote**	SECL	0.5 Rake	0.5 Rake	0.5 Rake	Supply to start in SECL from 4th April 2023.
		MCL	-	-	0.5 Rake	
		CIL	0.5 Rake	0.5 Rake	1.0 Rake	
13	**Pathadi TPS**	SECL	0.0 Rake	0.0 Rake	0.0 Rake	Plant will continue to lift coal under road mode.
14	**Unchpinda**	SECL	1.0 Rake	1.5 Rake	1.0 Rake	Plant to deposit coal value in MCL and increase RCR lifting.
		MCL	1.0 Rake (B-viiia coal)	0.0 Rake	1.0 Rake (B-viiia coal)	
		CCL	0.5 Rake (B-viiia coal)	0.3 Rake	0.5 Rake (B-viiia coal)	
		Total	**2.5 Rake**	**1.8 Rakes**	**2.5 Rake**	
15	**Sabarmati**	SECL	1.5 Rake	1.1 Rakes	1.5 Rake	Railways needs to take measure to materialize sub-group plan.
16	**Anuppur (MB Power)**	SECL	3.5 Rake – 1.5 Rake- RCR	2.7 Rakes 0.6 Rake RCR	3.0 Rake – 1.5 Rake-RCR	RCR lifting needs to increase.
17	**Hiranmaye TPS**	MCL	3.0 Rakes	0.5 Rake	3.0 Rakes	Rakes supply could not materialize due to congestion and less availability of Box N.

						Railways needs to ensure supply of rakes as per sub-group plan as stock situation is critical in the plant and supply 3 RPD
18	**Hinduja/ Vizag TPS**	MCL	4.5 Rakes	2.5 Rakes	4.5 Rakes	Railways needs to ensure supply of rakes as per sub-group plan as stock situation is critical in the plant.
19	**Bina**	CCL	1.5 Rake	0.7 Rake	1.5 Rake	Only 4 value paid rakes pending. Railways needs to supply as per sub-group plan.
		SECL	0.5 Rake (RCR)	0.5 Rake RCR	0.5 Rake (RCR)	
		Total	**2.0 Rake (Incl. RCR)**	**0.7 Rake (Incl. RCR)**	**2.0 Rake (Incl. RCR)**	
20	**Seioni / Jhabua**	SECL	1.5 Rake	0.9 Rake	1.5 Rake	6 value paid rakes are pending from CCL against Shakti B-VIII-a.
		MCL	0.5 Rake	0.6 Rake	0.5 Rake	
		CCL	0.5 Rake (Shakti B viii a coal)	0.0 Rake	0.5 Rake (Shakti B viiia coal)	
		Total	**2.5 Rake**	**1.5 Rake**	**2.5 Rake**	
21	**Amravati**	SECL	5.0 Rakes 2.0 Rakes (RCR)	3.4 Rakes 1.2 Rake (RCR)	5.0 Rakes 2.0 Rakes (RCR)	59 value paid rakes are pending Stock is liquidating in GSS & PWs. Plant is getting less supply in IR mode and in this regard railways is asked to increase supply for materialization of sub-group allocation. 5 rakes per day may be ensured by Railways
22	**Avantha Bhandar**	MCL	1.0 Rakes	0.8 Rakes	1.0 Rakes	High unloading time needs remedial measures.
23	**Dahanu**	SECL	1.5 Rake	0.6 Rake	1.5 Rake	RCR lifting needs to be increased. Railways needs to augment rake supply.
24	**Dhariwal TPS**	SECL	1.5 Rakes	0.9 Rake	1.5 Rakes	Railways needs to supply more rakes in GSS to clear 1.17 LT coal lying at GSS.
		WCL	0.7 Rake	0.2 Rake	0.7 Rake	
		Total	**2.2 Rakes**	**1.1 Rake**	**2.2 Rakes**	

25	**Wardha Warora**	WCL	Coal supply as per payment.			
26	**GMR Warora**	SECL	1.5 Rake	0.9 Rake	1.5 Rake	15 value paid rakes are pending. Railways needs to augment rake supply.
27	**Adani Tirora**	SECL	7.0 Rakes	5.9 Rake	7.0 Rakes	
		WCL	3.0 Rakes (RCR)	1.5 Rakes (RCR)	3.0 Rakes (RCR)	
		MCL	0.5 Rake	0.5 Rake	0.5 Rake	
		Total	**10.5 Rakes (Incl RCR)**	**7.9 Rake (Incl RCR)**	**10.5 Rakes (Incl RCR)**	
28	**Painampuram**	MCL	7.0 Rake (Including SGPL)	5.7 Rakes	7.0 Rake (Including SGPL)	
29	**Tata Power Jojobera**	CCL	0.0 Rake – IR 1.0 Rake -RCR	0.0 Rake 0.5 Rake – RCR	0.0 Rake – IR 1.0 Rake - RCR	
30	**MahadevPd./ Adhunik Power**	CCL	2.0 Rake	1.3 Rakes	2.0 Rake	
31	**GMR Kamalanga**	MCL	4.5 Rakes	3.4 Rakes	4.5 Rakes	Railways needs to ensure supply of 4.5 rakes as per sub-group plan as stock situation is critical in the plant.
32	**Sterlite Energy/ Vedanta**	MCL	3.0 Rake	3.6 Rake	3.0 Rake	
33	**CESC (Budge Budge)**	ECL	0.75 Rake	1.2 Rake	0.75 Rake	
		BCCL	0.5 Rake	0.7 Rake	0.5 Rake	
		Total	**1.25 Rake**	**1.9 Rakes**	**1.25 Rake**	
34	**Haldia**	MCL	3.0 Rakes	1.4 Rakes	3.0 Rakes	Railways to ensure rake supply
		CCL		0.5 Rake – RCR		
35	**GVK**	CCL	Coal Supply as per payment			
36	**Raipur Energen/ Raikheda**	MCL	1.5 Rake	0.6 Rakes	1.5 Rake	9 Value paid rakes are pending. Railways to Augment rake supply

		CCL	1.0 Rake	0.7 Rake	1.0 Rake	
		SECL	0.2 Rake	0.3 Rake	0.2 Rake	
		Total	**2.7 Rake**	**1.6 Rake**	**2.7 Rake**	
37	**Maha Energen Limited**	CCL	0.9 Rake	0.6 Rake	0.9 Rake	
38	**India Power/ Diselgarh**	CCL	0.2 Rake	0.1 Rake	0.2 Rake	

Annexure

Ministry of Coal

1. Shri Sanjeev Kumar Kassi, Joint Secretary (CPD)
2. Shri Sudarshan Bhagat, DS (CPD)

Ministry of Power/CEA

1. Shri Piyush Singh, Joint Secretary (Thermal)
2. Shri Nitin Prakash, Director CEA

Railway Board/ Zone

1. Shri Subodh. Railways Board

Representatives of Power Plants

1. Shri Tarun Bajaj, Mahatma Gandhi
2. Shri Anand Mandrik, TSPL
3. Shri Vikarant Aggrawal, Pathadi
4. Shri Ankush Jain, Bajaj Energy
5. Shri Lalit Joshi Anuppur Power
6. Shri Ravi Sahay, DB Power
7. Shri Bikram Setapathy, Hiranmaye TPS
8. Shri R.K. Tripathi, Akaltara
9. Shri Mahendra Bhagat, Binjkot
10. Shri Saurabh Patel, NPL
11. Shri Naresh, Dahanu
12. Shri Achesh Maravia, Sabarmati

13. Shri Vernon Morais, Dhariwal
14. Shri Akash Saxena, GMR Warora
15. Shri Anirudh Divakar, Painapuram
16. Shri Pravin, Prayagraj
17. Shri Vishnu, Adhunik Power
18. Shri Rajesh, Amrawati
19. Shri Lalit Joshi, M.B Power
20. Shri. B.C.K. Reddy, GMR Kamalanga
21. Shri. Brij Kishor Yadav, Balco

Coal India Limited

1. Shri A.K Gupta, General Manager (M&S), CIL, Kolkata
2. GM/HoD(M&S)- ECL, BCCL, CCL, NCL, WCL, SECL, MCL

F. No. CPD-23011/85/2022-CPD

Government of India

Ministry of Coal

Shastri Bhawan, New Delhi,

Dated: 20.04.2023

OFFICE MEMORANDUM

Subject: - Minutes of 713th meeting of the Sub-Group (IPP's) constituted by Infrastructure Constraints Review Committee to look into the issues of critical power houses.

The undersigned is directed to forward herewith a copy of the minutes of 713th meeting of the Sub-Group (IPP's) held on 19.04.2023 for reviewing the position of critical thermal power stations for information and necessary action.

Encl. as above

20/4/2023

(Pardeep Kumar)

Assistant Director

To

1. Shri Piyush Singh, JS (Thermal), M/o Power
2. Sh. H.S. Bajwa, ED(Coal), M/o Railways(Railway Board), Rail Bhawan, New Delhi.
3. Sh. Rajesh Asati, DS, Ministry of Shipping, Transport Bhawan, New Delhi.
4. Sh.Gopinath Nayak, DS, Ministry of Shipping, Transport Bhawan, New Delhi.
5. Sh. Manoj Kumar Upadhyay, SRO(Power&Energy), NITI Aayog, Yojana Bhavan, New Delhi.
6. Shri Nitin Prakash, Director, CEA
7. Director (Marketing), CIL, Coal Bhawan, Newtown, Rajarhat, Kolkata-700156.
8. R.O, SCCL, 526, Hawa Singh Block, Khel Gaon, New Delhi.
9. Sh. Bhimsen, CM, CIL, Scope Minar, Laxmi Nagar, New Delhi.
10 Sh. A.K. Gupta, General Manager (S&M), CIL, Newtown, Rajarhat, Kolkata-700156.
11. CMDs of ECL/BCCL/CCL/NCL/SECL/MCL/WCL/SCCL.
12. CMD/MD's of IPP's

Copy to:

(i) PSO to Secy. Coal

(ii) PS to AS (VT)

(iii) PS to JS (CPD)

(iv) PA to DS(CPD)

Copy to: Cabinet Secretariat (Under Secretary, CA-3)

Minutes of the Sub Group (IPP's) meeting held on 19.04.2023 to review Infrastructure Constraints

The meeting of the Sub-Group constituted by the Infrastructure Constraints Review Committee was held on 19.04.2023 through Video Conferencing. It was chaired by Joint Secretary (CPD), Ministry of Coal and attended by officials of MoC, MoP, MoPS&W, Railway Board, CEA, & IPPs, as well as CIL Kolkata/Subsidiaries HQ/CIL Delhi. Supply of coal to power sector (IPPs) was reviewed and discussed in order to augment it further to the IPPs having lesser coal stocks.

List of Participants is at ANNEXURE

S. No.	Genco/ Power Plant	Coal Company	Supply Plan / Supply as per Subgroup Decision Dated: 06.04.2023		Supply Plan as per Subgroup decision 19.04.2023	Remarks
			Plan	Actual Supply		
1	**Mahatma Gandhi/ Jhajjar**	ECL	0.5 Rake	0.7 Rake	0.50 Rake	Plant informed that both units are running now. Plant needs to submit their plan for lifting coal in RCR mode accordingly CCL will allocate coal to the plant.
		BCCL	0.75 Rake	0.8 Rake	0.75 Rake	
		CCL	1.75 Rakes	1.3 Rake	1.75 Rakes	
		NCL	0.5 Rakes	0.4 Rake	0.50 Rakes	
		Total	**3.50 Rakes**	**3.2 Rakes**	**3.50 Rakes**	
2	**Nabha Power**	CCL	1.5 rakes RCR	0.0 Rake RCR	1.5 Rakes RCR	Plant is advised to resume lifting of coal in BCCL & CCL, as sufficient coal quantity allocated from both the Subsidiary. Plant informed that interlinking work of railways was completed on 15.04.2023.
		NCL	2.5 rakes	1.8 Rakes	2.5 Rakes	
		SECL	3.5 Rakes	1.0 Rake	3.5 Rakes	
		BCCL	-	-	1.0 Rake RCR	
		Total	**7.50 Rakes (Incl. RCR)**	**2.8 Rake (Incl. RCR)**	**8.50 Rakes (Incl RCR)**	

3	**Talwandi Sabo**	CCL	1.75 Rake (RCR)	0.0 Rake (RCR)	1.5 Rake (RCR)	Plant to resume supplies from CCL and lift 10000 TPD.
		NCL	0.8 Rake	0.5 Rake	0.80 Rake	MCL & Railways to augment supplies for materialization of sub-group Plan.
		MCL	8.0 Rakes	4.9 Rakes	8.0 Rakes	
		Total	**10.55 Rakes (Incl. RCR)**	**5.4 Rakes (Incl. RCR)**	**10.30 Rakes (Incl. RCR)**	
4	**Kawai TPP**	NCL	2.0 Rakes	1.9 Rakes	2.0 Rakes	Plant informed that both units are running now and coal companies & Railways will maintain the current level of supplies.
		SECL	2.0 Rakes	1.1 Rake	2.0 Rakes	
		TOTAL	**4.0 Rakes**	**3.0 Rakes**	**4.0 Rakes**	
5	**Bajaj Group**	NCL	0.5 Rake RCR 0.5 Rake IR	0.5 Rakes 1.5 Rake (RCR)	0.5 Rake RCR 0.5 Rake IR	Unloading issues needs to address by the plant.
6	**Lalitpur**	CCL	1.0 Rake 3.0 Rake (RCR)	1.0 Rakes 2.5 Rake (RCR)	1.0 Rake 3.0 Rake (RCR)	Plant needs to improve lifting of coal in RCR mode.
		NCL	1.5 Rake	1.6 Rake	1.5 Rake	
		SECL	0.8 Rake	0.5 Rake	0.8 Rake	
		MCL	0.2 Rake	0.0 Rake	0.2 Rake	
		Total	**6.5 Rake (Incl. RCR)**	**5.6 Rake(Incl. RCR)**	**6.5 Rake (Incl. RCR)**	
7	**Prayagraj TPP**	NCL	4.0 Rakes 2.5 Rakes (RCR)	4.1 Rakes 1.8 Rakes (RCR)	4.0 Rakes 2.5 Rakes (RCR)	
		MCL	0.5 Rakes (Shakti B-viii a)	0.2 Rake	0.5 Rakes (Shakti B-viii a)	
		Total	**7.0 Rakes (Incl.**	**6.1 Rakes (Incl. RCR)**	**7.0 Rakes (Incl. RCR)**	

			RCR)			
8	**Rosa TPP**	CCL	4.0 Rakes	3.8 Rakes	4.0 Rakes	127 value paid rakes pending as on date.
9	**Balco TPS**	SECL	0.0 Rake	0.1 Rake	0.5 Rake	
10	**Akaltara**	SECL	2.0 rake 1.5 Rake RCR	3.3 Rakes 0.2 Rake RCR	2.0 Rake 1.5 Rake RCR	Plant to ensure timely submission of coal value to the coal companies.
		MCL	1.0 Rake	0.0 Rake	1.0 Rake	
		NCL	0.4 Rake	0.0 Rake	0.4 Rake	
		Total	**4.9 Rake Incl. RCR**	**3.5 Rake (incl.RCR)**	**4.9 Rake Incl. RCR**	
11	**Baradhara TPS/** **DB Power**	SECL	1.5 Rake	1.8 Rake	1.5 Rake	Coal Stock Position as on date:- B VIII (A)- 33,640 Te B III- 1,41,000 Te Auction Coal- 1,60,000 Te
		CCL	0.5 Rake	0.1 Rake	0.5 Rake	
		MCL	0.5 Rake (Shakti B viiia coal)	1.3 Rake	0.5 Rake (Shakti B viiia coal)	
		Total	**2.5 Rake**	**3.2 Rake**	**2.5 Rake**	
12	**Binjkote**	SECL	0.5 Rake	0.3 Rake	0.5 Rake	
		MCL	0.5 Rake	1.0 Rake	0.5 Rake (Shakti B viiia coal)	
		CIL	**1.0 Rake**	**1.3 Rake**	**1.0 Rake**	
13	**Pathadi TPS**	SECL	0.0 Rake	0.0 Rake	0.5 Rake	57 value paid rakes pending as on date.
14	**Unchpinda**	SECL	1.0 Rake	1.1 Rake	1.0 Rake	48,011 Te coal of SHAKTI B (VIII A) available with the plant.
		MCL	1.0 Rake (B-viiia coal)	0.4 Rake	1.0 Rake (B-viiia coal)	
		CCL	0.5 Rake (B-viiia coal)	0.2 Rake	0.5 Rake (B-viiia coal)	
		Total	**2.5 Rake**	**1.7 Rakes**	**2.5 Rake**	
15	**Sabarmati**	SECL	1.5 Rake	0.8 Rakes	1.5 Rake	Railways and coal company needs to augment coal

						supply.
16	**Anuppur (MB Power)**	SECL	3.0 Rake – 1.5 Rake-RCR	2.8 Rakes 1.2 Rake RCR	3.0 Rake – 1.5 Rake-RCR	7 value paid rakes in SHAKTI B VIII (A) will be lapse on 03rd May 2023 and MCL is advised to supply before it get lapse.
		MCL	0.0 Rake	0.2 Rake	0.5 Rake (Shakti B viiia coal)	
		Total	4.5 Rake (Incl. RCR)	**4.2 Rake (incl.RCR)**	5.0 Rake (Incl RCR)	
17	**Hiranmaye TPS**	MCL	3.0 Rakes	0.9 Rake	3.0 Rakes	Less availability of empty rakes in Talcher affecting coal supply to the plant. Railways to ensure supply as per sub-group plan.
18	**Hinduja/ Vizag TPS**	MCL	4.5 Rakes	2.7 Rakes	4.5 Rakes	Railways to ensure supply as per sub-group plan.
19	**Bina**	CCL	1.5 Rake	0.6 Rake	1.5 Rake	Railways to ensure supply as per sub group plan
		SECL	0.5 Rake (RCR)	0.5 Rake RCR	0.5 Rake (RCR)	
		Total	**2.0 Rake (Incl. RCR)**	**1.1 Rake (Incl. RCR)**	**2.0 Rake (Incl. RCR)**	
20	**Seioni / Jhabua**	SECL	1.5 Rake	1.2 Rake	1.5 Rake	
		MCL	0.5 Rake	0.3 Rake	0.0 Rake	
		CCL	1.0 Rake (Shakti B viii a coal)	0.0 Rake	1.0 Rake (Shakti B viiia coal)	
		BCCL	-	-	0.1 Rake Shakti B (III) coal	
		NCL	-	-	0.1 Rake	
		Total	**3.0 Rake**	**1.5 Rake**	**2.7 Rake**	

21	**Amravati**	SECL	5.0 Rakes 2.0 Rakes (RCR)	3.3 Rakes 2.5 Rake (RCR)	5.0 Rakes 2.0 Rakes (RCR)	About 55 TT coal is lying in washery & GSS altogether and railways needs to augment supply to clear that stock. Plant is again advised to explore the viability to supply rakes from other GSS.
	Total		7.0 Rakes	5.8 Rakes including RCR	**7.0 Rakes including RCR**	
22	**Avantha Bhandar**	MCL	1.25Rakes	1.0 Rakes	1.25 Rakes	
23	**Dahanu**	SECL	1.5 Rake	0.9 Rake	1.5 Rake	Railways agreed to supply 2.5 rakes/day from SECL siding & PW.
24	**Dhariwal TPS**	SECL	1.5 Rakes	1.0 Rake	1.5 Rakes	
		WCL	0.7 Rake	0.3 Rake	0.7 Rake	
		Total	**2.2 Rakes**	**1.3 Rake**	**2.2 Rakes**	
25	**Wardha Warora**	WCL	Coal supply as per payment.			
26	**GMR Warora**	SECL	1.5 Rake	0.8 Rake	1.5 Rake	Plant needs consistent supply of rakes from Railways. RCR lifting needs to increase.
27	**Adani Tirora**	SECL	7.0 Rakes	5.8 Rake	7.0 Rakes	
		WCL	3.0 Rakes (RCR)	4.6 Rakes (RCR)	3.0 Rakes (RCR)	
		MCL	0.5 Rake	0.2 Rake	0.5 Rake	
		Total	**10.5 Rakes (Incl**	**10.6 Rake (Incl**	**10.5 Rakes (Incl RCR)**	

			RCR)	**RCR)**		
28	**Painampuram**	MCL	7.0 Rake (Including SGPL)	4.8 Rakes	7.0 Rake (Including SGPL)	100 value paid pending as on date. Railways needs to supply as per sub-group plan.
29	**Tata Power Jojobera**	CCL	1.0 Rake - RCR	0.8 Rake – RCR	0.5 Rake – RCR 0.5 Rake	
30	**Mahadev Pd./ Adhunik Power**	CCL	2.0 Rake	0.7 Rakes	2.0 Rake	
31	**GMR Kamalanga**	MCL	4.5 Rakes	3.5 Rakes	4.5 Rakes	Plant needs to reduce unloading time. Railways needs to supply as per sub-group plan.
32	**Sterlite Energy/ Vedanta**	MCL	3.0 Rake	2.5 Rake	3.0 Rake	
33	**CESC(Budge Budge)**	ECL	0.75 Rake	0.7 Rake	0.75 Rake	
		BCCL	0.5 Rake	0.6 Rake	0.5 Rake	
		Total	**1.25 Rake**	**1.3 Rakes**	**1.25 Rake**	
34	**Haldia**	MCL	3.0 Rakes	1.4 Rakes	3.0 Rakes	
35	**GVK**	CCL		Coal Supply as per payment		
36	**Raipur Energen/ Raikheda**	MCL	2.0 Rake(including 0.5 rake B (viii) a coal)	1.8 Rakes	2.0 Rake(including 0.5 rake B (viii) a coal)	
		CCL	1.0 Rake	0.9 Rake	1.0 Rake	
		SECL	0.2 Rake	0.1 Rake	0.2 Rake	
		Total	**3.2 Rake**	**2.8 Rake**	**3.2 Rake**	
37	**Maha Energen Limited**	CCL	0.9 Rake	0.7 Rake	0.9 Rake	

38	**India Power/ Diselgarh**	CCL	0.2 Rake	0.0 Rake	0.2 Rake	

Power plants are directed to inform on daily basis about available coal stock of SHAKTI B III & B VIII (A) and e-auction coal at TPP end to CEA.

List of Participants

Ministry of Coal

1. Shri Sanjeev Kumar Kassi Joint Secretary, CPD
2. Sh. Surdashan Bhagat Deputy Secretary, CPD

Ministry of Power/CEA

1. Shri Pawan Kr Gupta Director CEA
2. Shri Nitin Prakash, Director

Railway Board/ Zone

1. Shri Subodh Kumar Singh, Railways Board

Representatives of Power Plants

1. Shri Tarun Bajaj Mahatma Gandhi
2. Shri Saurabh Patel Nabha Power
3. Shri Ankit Gupta Talwandi Saboo
4. Shri Tarun Chattopadhyay Prayagraj
5. Shri Basant Chourasiya, Dhariwal/Haldiya
6. Shri Lalit Joshi Anuppur Power
7. Shri Ravi Sahay DB Power
8. Shri Partha Patra, GMR Kamlanga
9. Shri Rajesh Amravati TPS
10. Shri Jitesh Pal Adani Power
11. Shri Anoop Pandey, GMR Warora
12. Shri Ranjay Singh, Seoni Jhabua
13. Shri Naresh, Dahanu
14. Shri P K Pradhan Hinduja TPS
15. Shri Anirudha, Painampuram
16. Shri Rakesh Bhadoriya, Tata Power
17. Shri Venkatesh, KSK Akaltara
18. Shri D.P Roy, Unchhpinda
19. Shri Bikram Sathapathy, Hiranmayee
20. Shri Achesh Marviya, Sabarmati
21. Shri Ankush Jain, Bajaj Group

Coal India Limited

1. Shri A.K. Gupta, General Manager (M&S), CIL, Kolkata
2. GM/HoD (M&S)- ECL, BCCL, CCL, NCL, WCL, SECL, MCL

ANNEXURE-P5

DAILY REPORT OF UNLOADING FOR THE MONTH OF FEB'23

Name of Siding/Colliery/ Loading Point	Commodity	Date of Unloading	No of Wagons/Type	Rake No	RR No	RR Qty.	Qty as per JPP	Destination	Sample Collection date	Sample Preparation date	AIR DRY BASIS					GCV(Kcal/Kg) After 5 % Correction	D/R	AS RECEIVED BASIS					EQUILIBRATED CONDITION (60% RH 40Deg C)					Notified Grade	Remarks
											MOIST %	ASH%	VM%	FC%	GCV(Kcal/Kg)			T MOIST %	ASH%	VM%	FC%	GCV(Kcal/Kg)	MOIST%	ASH%	VM%	FC%	GCV(Kcal/Kg)		
MCL/SHAKTI/MFSJ	COAL	17-02-23	51	11332	181000395	3466.440	3,533.140	JPP	17-02-23	18-02-23	2.57	48.76	22.96	25.71	3473	3462	20-02-23	11.38	44.35	20.88	23.39	3159	3.08	48.50	22.84	25.58	3455	G14, G13	MCL SHAKTI
MCL/SHAKTI/MFSJ	COAL	18-02-23	59	11334	181000397	3851.400	4,063.800	JPP	19-02-23	20-02-23	2.17	48.47	23.52	25.84	3550	3539	22-02-23	10.75	44.22	21.46	23.57	3238	2.67	48.22	23.40	25.71	3532	G14, G13	MCL SHAKTI
MCL/SHAKTI/MFSJ	COAL	20-02-23	58	11336	181000400	4032.400	3,851.800	JPP	20-02-23	21-02-23	2.08	44.11	24.00	29.81	3950	3939	23-02-23	11.19	40.01	21.77	27.03	3583	2.53	43.91	23.89	29.67	3932	G14, G13	MCL SHAKTI
TOTAL/WTD.AVG.			168	--	--	--	11,448.740	--	--	--	2.26	47.09	23.51	27.13	3661	3650		11.09	42.84	21.38	24.68	3330	2.75	46.86	23.39	27.00	3643		

e : Analysis done at Tata Power, Jojobera lab by our representative.

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S No	Name of Siding/Colliery/ Loading Point	Commodity	Date of Unloading	No of Wagons /Type	Rake No	RR No	RR Qty.	Qty as per JPP	Destination	Sample Collection date	Sample Preparation date	AIR DRY BASIS					GCV(Kcal/Kg) After S %	D/R	AS RECEIVED BASIS					EQUILIBRATED CONDITION (60% RH 40Deg C)						
												MOIST %	ASH%	VM%	FC%	GCV(Kcal/Kg)			T MOIST %	ASH%	VM%	FC%	GCV(Kcal/Kg)	MOIST%	ASH%	VM%	FC%	GCV(Kcal/Kg)	Notified Grade	Remarks
1	NCL/GCNM	Coal	12-02-23	58	11329	162001135	3989.500	3,955.520	JPP	12-02-23	13-02-23	3.08	27.50	28.20	41.22	5218	5203	15-02-23	17.12	23.52	24.11	35.25	4462	3.88	27.27	27.97	40.88	5175		
TOTAL/WTD.AVG.				58	--	--	--	3,955.520	--	--	--	3.08	27.50	28.20	41.22	5218	5203		17.12	23.52	24.11	35.25	4462	3.88	27.27	27.97	40.88	5175		

Note : Analysis done at Tata Power, Jojobera lab by our representative.

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											AIR DRY BASIS							AS RECEIVED BASIS					EQUILIBRATED CONDITION (60% RH 40Deg C)				
S No	Name of Siding/Colliery/ Loading Point	Commodity	Date of Unloading	No of Wagons/Type	Rake No	RR No	RR Qty.	Qty as per JPP	Destination	Sample Collection date	Sample Preparation date	MOIST %	ASH%	VM%	FC%	GCV(Kcal/Kg)	GCV(Kcal/Kg) After S % Correction	D/R	T MOIST %	ASH%	VM%	FC%	GCV(Kcal/Kg)	MOIST %	ASH%	VM%	FC%	GCV(Kcal/Kg)
1	WBCC/CHAINPUR	MIDDLING	17-02-2023	59	11331	462006927	4010.620	3990.500	JPP	17-02-2023	18.02.23	0.84	46.78	17.87	34.51	4056	4045	20-02-2023	4.52	45.04	17.21	33.23	3906	0.75	46.82	17.89	34.54	4060
2	WBCC/CHAINPUR	MIDDLING	18-02-2023	59	11333	462006931	3907.990	3873.050	JPP	18-02-2023	19.02.23	0.63	44.71	18.59	36.07	4260	4248	21-02-2023	4.98	42.75	17.78	34.49	4074	0.68	44.69	18.58	36.05	4258
3	WBCC/CHAINPUR	MIDDLING	21-02-2023	59	11337	462006939	4011.170	3989.820	JPP	21-02-2023	22.02.23	0.53	45.44	18.02	36.01	4240	4228	24-02-2022	5.11	43.35	17.19	34.35	4045	0.61	45.40	18.01	35.98	4237
4	WBCC/CHAINPUR	MIDDLING	21-02-2023	59	11338	462006943	4016.530	3,994.000	JPP	21-02-2023	22.02.23	0.59	43.39	18.20	37.82	4456	4444	24-02-2022	5.27	41.35	17.34	36.04	4246	0.65	43.36	18.19	37.80	4453
5	WBCC/CHAINPUR	MIDDLING	22-02-2023	57	11340	462006946	3884.690	3,866.620	JPP	22-02-2023	23-02-2023	0.51	43.59	18.82	37.08	4416	4403	25-02-2022	4.92	41.66	17.99	35.44	4220	0.68	43.52	18.79	37.02	4408
6	WBCC/CHAINPUR	MIDDLING	24-02-2023	59	11343	462006949	4002.460	3,900.360	JPP	24-02-2023	25-02-2023	0.50	45.32	18.22	35.96	4266	4254	27-02-2022	5.53	43.03	17.30	34.14	4051	0.57	45.29	18.21	35.93	4263
7	WBCC/CHAINPUR	MIDDLING	24-02-2023	59	11344	462006953	4105.300	4,023.280	JPP	24-02-2023	25-02-2023	0.59	46.76	18.21	34.44	4092	4080	27-02-2022	5.29	44.55	17.35	32.81	3899	0.62	46.75	18.20	34.43	4091
TOTAL/WTD.AVG.				411	--	--	--	27,637.630	--	--	--	0.60	45.15	18.27	35.98	4254	4242		5.09	43.11	17.45	34.35	4062	0.65	45.13	18.26	35.96	4252

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												MOIST%	ASH%	VM%	FC%	GCV(Kcal/Kg)	GCV(Kcal/Kg) After S % Correction		T MOIST %	ASH%	VM%	FC%	GCV(Kcal/Kg)	MOIST%	ASH%	VM%	FC%	GCV(Kcal/Kg)		
1	ECL/T-4/PSBP	COAL	01-02-2023	58	11324	462000054	3996.300	3,919.450	JPP	01-02-2023	02-02-2023	3.21	26.79	29.8	40.20	5407	5388	04-02-2023	10.80	24.69	27.46	37.05	4983	4.22	26.51	29.49	39.78	5351	G 4	ECL
2	ECL/T-4/PSPB	COAL	05-02-2023	57	11325	462000055	3857.000	3798.050	JPP	05-02-2023	06-02-2023	2.91	29.06	28.84	39.19	5255	5236	08-02-2023	10.54	26.78	26.57	36.11	4842	3.56	28.87	28.65	38.93	5219	G 4	ECL
3	ECL/T-4/PSPB	COAL	07-02-2023	58	11326	462000056	3983.400	3899.910	JPP	07-02-2023	08-02-2023	2.73	28.24	29.29	39.74	5338	5319	10-02-2023	11.41	25.72	26.68	36.19	4862	3.45	28.03	29.07	39.45	5299	G 4	ECL
4	ECL/T-4/PSPB	COAL	16-02-2023	58	11330	462000057	3891.000	3809.740	JPP	16-02-2023	17-02-2023	3.97	24.17	30.92	40.94	5577	5557	20-02-2023	10.65	22.49	28.77	38.09	5189	3.75	24.23	30.99	41.03	5589	G 4	ECL
5	ECL/T-4/PSPB	COAL	22-02-2023	58	11339	462000058	3885.600	3,824.480	JPP	22-02-2023	23-02-2023	2.93	30.58	28.54	37.95	5106	5091	25-02-2023	11.13	28.00	26.13	34.74	4674	3.28	30.47	28.44	37.81	5087	G 4	ECL
6	ECL/T-4/PSPB	COAL	23-02-2023	59	11341	462000059	3970.000	3,898.490	JPP	23-02-2023	24-02-2023	2.48	27.48	29.11	40.93	5346	5331	27-02-2023	11.80	24.85	26.33	37.02	4835	3.37	27.23	28.84	40.56	5297	G 4	ECL
7	ECL/T-4/PSPB	COAL	24-02-2023	59	11342	462000060	3989.340	3,957.400	JPP	24-02-2023	25-02-2023	2.75	29.52	28.83	38.90	5191	5176	27-02-2023	11.35	26.91	26.28	35.46	4732	3.03	29.44	28.75	38.79	5176	G 4	ECL
8	ECL/T-4/PSPB	COAL	25-02-2023	58	11345	462000061	3886.400	3,866.100	JPP	25-02-2023	26-02-2023	2.78	30.16	29.27	37.79	5135	5120	28-02-2023	12.61	27.11	26.31	33.97	4616	3.22	30.02	29.14	37.62	5112	G 4	ECL
9	ECL/T-4/PSPB	COAL	27-02-2023	58	11346	462000062	3885.770	3,835.840	JPP	27-02-2023	28-02-2023	3.24	28.57	29.05	39.14	5262	5244	02-03-2023	10.79	26.34	26.78	36.09	4852	3.78	28.41	28.89	38.92	5233	G 4	ECL
TOTAL/WTD.AVG.				465	--	--	--	34,809.460	--	--	--	3.00	28.29	29.29	39.42	5291	5273		11.23	25.88	26.81	36.08	4842	3.52	28.14	29.14	39.21	5262		

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												MOIST %	ASH%	VM%	FC%	GCV(Kcal/Kg)	GCV(Kcal/Kg) After S % Correction		T MOIST %	ASH%	VM%	FC%	GCV(Kcal/Kg)	MOIST%	ASH%	VM%	FC%	GCV(Kcal/Kg)	
1	CCL-RCR-RLCM	COAL	27-02-2023	58	11347	162000654	3977.410	3,819.640	JPP	27-02-2023	28-02-2023	3.36	40.88	24.80	30.96	3982	3971	03-03-2023	10.47	37.87	22.98	28.68	3689	4.44	40.42	24.52	30.61	3938	
												3.36	40.88	24.80	30.96	3982	3971		10.47	37.87	22.98	28.68	3689	4.44	40.42	24.52	30.61	3938	
TOTAL/WTD.AVG.				58	--	--	--	3,819.640	--	--	--																		

Note : Analysis done at Tata Power, Jojobera lab by our representative.

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												MOIST%	ASH%	VM%	FC%	GCV(Kcal /Kg)	GCV(Kcal/Kg) After S % Correction		T MOIST %	ASH%	VM%	FC%	GCV(Kcal/ Kg)	MOIST%	ASH%	VM%	FC%	GCV(Kcal/ Kg)	
1	CCL/Washery/KWJP	COAL	09-02-2023	58	11327	162000813	3992.170	3950.800	JPP	09-02-2023	10-02-2023	0.47	45.46	16.29	37.78	4166	4155	12-02-2023	2.16	44.69	16.01	37.14	4095	0.70	45.35	16.25	37.69	4157	WIV
2	CCL/Washery/KWJP	COAL	09-02-2023	58	11328	162000814	4156.400	4220.050	JPP	09-02-2023	10-02-2023	0.55	43.32	17.17	38.96	4376	4364	13-02-2023	2.65	42.41	16.81	38.14	4284	0.60	43.30	17.16	38.94	4374	WIV
3	CCL/Washery/KWJP	COAL	20-02-2023	59	11335	162000819	4026.310	4089.950	JPP	20-02-2023	21-02-2023	0.59	48.38	16.46	34.57	3857	3870	23-02-2023	2.63	47.39	16.12	33.86	3777	0.65	48.35	16.45	34.55	3854	WIV
TOTAL/WTD.AVG.				175	--	--	--	12,260.800	--	--	--	0.54	45.70	16.65	37.12	4135	4132		2.49	44.80	16.32	36.39	4054	0.65	45.65	16.63	37.07	4130	WIV

Note : Analysis done at Tata Power, Jojobera lab by our representative.

S.S.Cho

INSPECTORATE
Opp. Dhansar Post office
Post.Dhansar,Dist.Dhanbad
Jharkhand-828106
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GOVIND AGARWALA & ASSOCIATES
CHARTERED ACCOUNTANTS
Room No. 208, 2nd Floor, Gajraj Mansion,
Bistupur, Jamshedpur-831001
Phone : 9031576121, 0657 2321199 (O), 2225433 (R)

ANNEXURE-P6

AUDITORS' CERTIFICATE ON LANDED PRICE OF COAL AT JOJOBERA UNIT 2 AND UNIT 3

TO,
The Board of Directors,
The Tata Power Company Limited,
Bombay House24,
Homi Mody Street,
Mumbai 400001

1. We, Govind Agarwala & Associates, Chartered Accountants (Firm Registration No: 001694C), have examined the Landed Price of Coal and other relevant records and documents mentioned by the Company, for the year ended and as at 31 March, 2023 for the purpose of issuing this Certificate.

2. We have been requested by the management of the Company to provide a certificate on the attachment Statements, Annexure 1' containing information regarding month wise landed price of coal at unit 2 and Unit 3 during the financial year ended 31 March 2023 for submission to the Jharkhand State Electricity Regulatory Commission, duly stamped and initialled for the verification, which has been prepared by the Company based on the audited Standalone books of the account and other relevant records and document maintained of the Company at Jojobera division for the year ended and as at 31 March,2023 .

Management's Responsibility

3. The Management of the Company is responsible for the preparation of the attached Statement and for ensuring compliance with the requirement of the applicable laws and the terms of Jharkhand State Electricity Regulatory Commission. This responsibility include design, implementation and maintenance of internal control relevant to the preparation and presentation of the statement and applying an appropriate basis of preparation; and making estimates that are reasonable in the circumstances.

Govind Agarwala & Associates Jamshedpur Chartered Accountants

GOVIND AGARWALA & ASSOCIATES
CHARTERED ACCOUNTANTS
Room No. 208, 2nd Floor, Gajraj Mansion,
Bistupur, Jamshedpur-831001
Phone : 9031576121, 0657 2321199 (O), 2225433 (R)

Auditor's Responsibility

4. Our responsibility, for the purpose of this certificate, is limited to certifying the particulars contained in Annexure 1 on the basis of the audited books of accounts and the other relevant records and document maintained by the Company for the year ended and as at 31st March 2023. Nothing contained in this certificate, nor anything said and done in the course of, or in connection with the services that are subjected to this certificate, will extend any duty of care that we may have in our capacity of the statutory auditors of any financial statements of the Company.

5. We conduct our examination of the Statement in accordance with the Guidelines Note on Audit Reports and Certificates for special purpose issued by the Institution of Chartered accountants of India (ICAI) and the standards on Auditing specified under section 143(10) of the Company Act 2013. The Guidance Note required that we comply with the ethical requirement of the Code of Ethics issued by the ICAI.

6. We have complied with the relevant applicable requirements of the Standard of Quality Control (SQC) 1, Quality control for Firms that Perform Audits and Reviews of Historical Financial Information, and Other Assurance and Related Services Engagements.

Opinion

7. On the basis of our examination of the audited standalone books of accounts and other relevant records and documents maintained by the Company (including those kept at Jojobera) for the year ended and as at 31 March, 2023 and according to the information, explanation and representation given to us by the management of the Company, we certify that the information contained in the Annexure 1 "month wise landed price of Coal at unit 2 and Unit 3 during financial year ended 31 March, 2023 subject to and read with the notes to the Annexure have been correctly extracted from the audited standalone books of accounts and other relevant records and documents ,maintained by the Company.

Govind Agarwala & Associates Jamshedpur Chartered Accountants

GOVIND AGARWALA & ASSOCIATES
CHARTERED ACCOUNTANTS
Room No. 208, 2nd Floor, Gajraj Mansion,
Bistupur, Jamshedpur-831001
Phone : 9031576121, 0657 2321199 (O), 2225433 (R)

Restriction on Use

8. This certificate is being issued at the request of the company to be submitted to Jharkhand State Electricity Regulatory Commission and is not to be used for any other purpose or to be distributed to any other parties. Accordingly, we do not accept or assume any liability or any duty of care or for any other purpose or to any other party to whom it is shown or into whose hands it may come without our prior consent in writing.

For Govind Agarwala & Associates
Chartered Accountants
Firm Regn No - 001694C

Govind Prasad Agarwala
Partner
Membership No - 070743

Jamshedpur, 28nd November 2023

UDIN:-23070743BGXRZG3569

The Tata Power Company Limited

Annexure I

Month-wise Landed price of COAL at Unit 2 and Unit 3 during the financial year ended 31 March 2023

Middling Coal - Break-up of Landed Price FY 2022-23 (Rs/Ton)												
Particulars	Apr-22	May-22	Jun-22	Jul-22	Aug-22	Sep-22	Oct-22	Nov-22	Dec-22	Jan-23	Feb-23	Mar-23
Base Price (including Sizing Charges) (1)		3818	3818	4378	4378	4378	4268	4268	-	4268	4268	4268
Applicable Tax (2)		618	618	646	646	646	640	640	-	640	640	641
Transportation Charges (3)		537	539	539	538	539	540	540	-	537	542	545
Handling Charges (4)		91	56	83	108	106	88	59	-	201	126	80
Provisional adjustment/Stock adjustment (5)		-240	-31	-316	-228	-161	-21	5	-	-1176	-833	216
Normative Transit Losses (6)		40	40	43	44	44	44	44	-	36	38	46
Landed Price (1)+(2)+(3)+(4)+(5)+(6)		4863	5040	5372	5487	5552	5560	5557	-	4507	4781	5795

CCL Shakti Washery Coal Break-up of Landed Price FY 2022-23 (Rs/Ton)												
Particulars	Apr-22	May-22	Jun-22	Jul-22	Aug-22	Sep-22	Oct-22	Nov-22	Dec-22	Jan-23	Feb-23	Mar-23
Base Price (including Sizing Charges) (1)		2775	2845	2867	3042	2919	3009	3083	3048	3035	3083	3213
Applicable Tax (including Clean Energy Cess @ Rs 200/Ton &rs 400/ton) (2)		565	569	570	580	574	578	581	580	580	582	588
Transportation Charges (3)		522	529	524	554	551	553	542	549	571	550	545
Handling Charges (4)		80	90	36	121	122	129	96	104	275	265	94
Provisional adjustment/Stock adjustment (5)		364	238	184	16	299	313	341	459	375	417	511
Normative Transit Losses (6)		35	34	34	35	36	37	37	38	39	39	40
Landed Price (1)+(2)+(3)+(4)+(5)+(6)		4340	4306	4214	4347	4502	4618	4681	4778	4875	4936	4991

CCL SFA Coal Break-up of Landed Price FY 2022-23 (Rs/Ton)												
Particulars	Apr-22	May-22	Jun-22	Jul-22	Aug-22	Sep-22	Oct-22	Nov-22	Dec-22	Jan-23	Feb-23	Mar-23
Base Price (including Sizing Charges) (1)	1525	1555	1563	1576	1576	1576	1576					
Applicable Tax (including Clean Energy Cess @ Rs 200/Ton &rs 400/ton) (2)	531	535	536	541	543	543	543					
Transportation Charges (3)	1,095	1,153	1,149	1,241	1,280	1,280	1,280					
Handling Charges (4)	107	82	218	601	224	224	224					
Provisional adjustment/Stock adjustment (5)	117	88	-159	-673	-174	-174	-174	0	0	0	0	0
Normative Transit Losses (6)	27	28	27	26	28	28	28					
Landed Price (1)+(2)+(3)+(4)+(5)+(6)	3402	3441	3333	3312	3477	3477	3477					

CCL Shakti Coal Round III- Break-up of Landed Price FY 2022-23 (Rs/Ton)												
Particulars	Apr-21	May-21	Jun-21	Jul-21	Aug-21	Sep-21	Oct-21	Nov-21	Dec-21	Jan-22	Feb-22	Mar-22
Base Price (including Sizing Charges) (1)	2720	1977	1757	1592	1592	1786	1786	1577	1949	1354	1354	1988
Applicable Tax (including Clean Energy Cess @ Rs 200/Ton &rs 400/ton) (2)	563	530	535	527	527	537	537	525	540	510	510	553
Transportation Charges (3)	544	614	944	941	941	953	953	918	845	842	842	1,078
Handling Charges (4)	113	171	385	101	101	101	101	60	83	193	193	86
Provisional adjustment/Stock adjustment (5)	-643	988	365	456	456	-169	-169	274	-153	308	308	365
Normative Transit Losses (6)	27	35	32	29	29	26	26	27	26	26	26	33
Landed Price (1)+(2)+(3)+(4)+(5)+(6)	3324	4315	4018	3647	3647	3234	3234	3382	3290	3233	3233	4103

CCL Shakti Coal - Break-up of Landed Price FY 2022-23 (Rs/Ton)												
Particulars	Apr-21	May-21	Jun-21	Jul-21	Aug-21	Sep-21	Oct-21	Nov-21	Dec-21	Jan-22	Feb-22	Mar-22
Base Price (including Sizing Charges) (1)	2240	2240	2240			1793	1922	1373			1988	
Applicable Tax (including Clean Energy Cess @ Rs 200/Ton &rs 400/ton) (2)	542	542	542			551	545	523			555	
Transportation Charges (3)	607	607	607			1,230	976	1,078			1,103	
Handling Charges (4)	120	120	120			99	100	69			69	
Provisional adjustment/Stock adjustment (5)	-505	-505	-505			-18	-78	345			586	
Normative Transit Losses (6)	24	24	24			29	28	27			28	
Landed Price (1)+(2)+(3)+(4)+(5)+(6)	3028	3028	3028			3685	3494	3414			4327	

28/11/2023.

Goyal Agarwala & Associates Jamshedpur Chartered Accountants

West Bokaro Reject Coal - Break-up of Landed Price FY 2022-23 (Rs/Ton)												
Particulars	Apr-22	May-22	Jun-22	Jul-22	Aug-22	Sep-22	Oct-22	Nov-22	Dec-22	Jan-23	Feb-23	Mar-23
Base Price (including Sizing Charges) (1)									2668	2668		2668
Applicable Tax (including Clean Energy Cess @ Rs 200/Ton &rs 400/ton) (2)									574	574		574
Transportation Charges (3)									819	819		819
Handling Charges (4)									69	69		69
Provisional adjustment/Stock adjustment (5)									353	353		353
Normative Transit Losses (6)									36	36		36
Landed Price (1)+(2)+(3)+(4)+(5)+(6)									4519	4519		4519

West Bokaro Tailing Coal - Break-up of Landed Price FY 2021-22 (Rs/Ton)												
Particulars	Apr-21	May-21	Jun-21	Jul-21	Aug-21	Sep-21	Oct-21	Nov-21	Dec-21	Jan-22	Feb-22	Mar-22
Base Price (including Sizing Charges) (1)									7268	7268		7268
Applicable Tax (2)									800	800		800
Transportation Charges (3)									740	740		740
Handling Charges (4)									120	120		120
Provisional adjustment/Stock adjustment (5)									218	218		218
Normative Transit Losses (6)									74	74		74
Landed Price (1)+(2)+(3)+(4)+(5)+(6)									9220	9220		9220

ECL Shakti Coal - Break-up of Landed Price FY 2022-23 (Rs/Ton)												
Particulars	Apr-21	May-21	Jun-21	Jul-21	Aug-21	Sep-21	Oct-21	Nov-21	Dec-21	Jan-22	Feb-22	Mar-22
Base Price (including Sizing Charges) (1)	3983	3983	3983	3983	3983	3983	3985	3991	3991	3885	3885	
Applicable Tax (2)	636	636	636	634	634	633	633	634	634	629	629	
Transportation Charges (3)	733	734	734	700	694	675	680	680	686	702	702	
Handling Charges (4)	118	165	165	86	39	160	87	59	115	169	169	
Provisional adjustment/Stock adjustment (5)	133	-38	-47	-7	29	-43	-9	21	0	76	-36	
Normative Transit Losses (6)	45	44	44	44	43	44	43	43	44	44	43	
Landed Price (1)+(2)+(3)+(4)+(5)+(6)	5648	5524	5515	5439	5422	5452	5420	5429	5469	5505	5393	

MCL Shakti Coal - Break-up of Landed Price FY 2022-23 (Rs/Ton)												
Particulars	Apr-22	May-22	Jun-22	Jul-22	Aug-22	Sep-22	Oct-22	Nov-22	Dec-22	Jan-23	Feb-23	Mar-23
Base Price (including Sizing Charges) (1)	1181	1220	1194	1217	1257	1244	1237	1237	1261	1254	1252	1201
Applicable Tax (2)	503	501	501	502	505	503	502	504	505	505	504	502
Transportation Charges (3)	882	802	822	929	839	814	809	848	842	856	836	839
Handling Charges (4)	113	93	178	84	54	134	99	59	157	168	120	91
Provisional adjustment/Stock adjustment (5)	-60	-5	-38	0	-26	-33	1	-14	-83	-97	-27	6
Normative Transit Losses (6)	21	21	21	21	21	21	21	21	22	22	22	21
Landed Price (1)+(2)+(3)+(4)+(5)+(6)	2641	2633	2678	2654	2650	2683	2670	2656	2703	2708	2707	2660

For and On Behalf of The Tata Power Company Limited

Authorised Signatory

Place : Jojobera

Date: 28/11/2023.

Jamshedpur

Monthly Consumption Report of Various Coal Types at Jojobera Unit#2 for the year ended March31,2023

Coal Type	Particulars	UOM	Apr-22	May-22	Jun-22	Jul-22	Aug-22	Sep-22	Oct-22	Nov-22	Dec-22	Jan-23	Feb-23	Mar-23
West Bokaro Tailing Coal	Consumption	Ton	-	-	-	-	-	-	-	-	224	76	-	144
West Bokaro Reject Coal	Consumption	Ton	-	-	-	-	-	-	-	-	86	26	-	78
CCL SFA Coal	Consumption	Ton	5,026	36,571	15,240	4,062	8,475	-	-	-	-	-	-	-
MCL SHAKTI Coal	Consumption	Ton	128	13,448	4,653	8,491	6,487	642	9,169	581	9,769	10,812	6,895	2,313
CCL SHAKTI Coal	Consumption	Ton	17,921	-	107	-	-	12,717	8,124	17,005	-	-	75	-
ECL SHAKTI Coal	Consumption	Ton	17,354	1,448	200	838	1,836	-	11,452	5,986	-	7,187	11,895	-
Middling Coal	Consumption	Ton	-	3,888	6,723	6,194	12,158	1,496	3,545	5,125	-	5,938	11,236	17,698
CCLSHAKTI WIV Coal	Consumption	Ton	-	2,623	22,028	18,850	20,487	26,293	14,609	18,265	13,577	11,802	4,748	13,063
CCLSHAKTI Coal Round III	Consumption	Ton	6,682	1,126	7,794	13,516	-	5,178	-	-	18,224	14,560	4,856	15,044

Monthly Consumption Report of Various Coal Types at Jojobera Unit#3 for the year ended March31,2023

Coal Type	Particulars	UOM	Apr-22	May-22	Jun-22	Jul-22	Aug-22	Sep-22	Oct-22	Nov-22	Dec-22	Jan-23	Feb-23	Mar-23
CCL SFA Coal	Consumption	Ton	7,032	21,563	11,129	11,520	2,637	-	135	-	-	-	-	-
MCL SHAKTI Coal	Consumption	Ton	4,814	14,992	4,765	5,276	16,072	6,354	3,071	629	14,091	10,648	10,562	1,404
CCL SHAKTI Coal	Consumption	Ton	28,822	-	-	-	-	14,944	9,233	12,106	-	-	-	-
ECL SHAKTI Coal	Consumption	Ton	-	4,960	3,420	3,228	3,882	6,113	3,424	1,856	310	-	-	-
Middling Coal	Consumption	Ton	-	4,023	1,338	7,335	18,812	2,994	6,743	2,116	-	20,127	24,934	20,008
CCLSHAKTI WIV Coal	Consumption	Ton	-	10,792	25,513	14,897	12,234	18,883	21,719	14,030	13,870	11,729	8,053	19,920
CCLSHAKTI Coal Round 3	Consumption	Ton	10,132	2,800	6,794	13,740	-	2,330	186	259	15,926	13,354	6,351	13,922

Note:
Quantity Consumed has been extracted from the Material Register (MB 51 report) in SAP and external consultant has relied on the same.

For and on behalf of The Tata Power Company Limited

Authorised Signatory

Place:Jojobera
Date: 28/11/2023.

UDIN:-23070743BGXRZH7445.

S R B C & CO LLP
Chartered Accountants

22, Camac Street
3rd Floor, Block 'B'
Kolkata - 700 016, India
Tel : +91 33 6134 4000

Independent Auditor's Report on Statement of unit wise & month wise consumption and consumption rate of light diesel oil (LDO) of unit 2 and unit 3 ('Regulated Units') of Jojobera generation plant ('Jojobera Division') of The Tata Power Company Limited

To
The Board of Directors
The Tata Power Company Limited,
Bombay House,
24, Homi Mody Street,
Mumbai 400001

1. This Report is issued in accordance with the terms of our service scope letter dated August 16, 2023 read with Master Engagement Agreement dated July 20, 2022 with The Tata Power Company Limited (hereinafter the "Company") having its Registered Office at Bombay House, 24, Homi Mody Street, Mumbai 400001, for the year ended 31st March 2023.

2. At the request of the management, we have examined the attached "Statement of unit wise & month wise consumption and consumption rate of light diesel oil (LDO) of unit 2 and unit 3" ('Regulated Units') of Jojobera generation plant ('Jojobera Division') of the Company (hereinafter referred as the "Statement"), prepared by the Company based on books of accounts and other relevant records and documents underlying the audited standalone financial statements of the Company for the year ended March 31, 2023, which we have initialed for identification purposes only. This Report and the Statement are required by the Company for submission to Jharkhand State Electricity Regulatory Commission (JSERC) for the purpose of true up of tariff for the year ended March 31, 2023 required under para 23.5 read with para 25.2 of JSERC (Terms and Conditions for Determination of Generation Tariff) Regulations, 2020. Unit 2 and Unit 3 are regulated units which are regulated by JSERC.

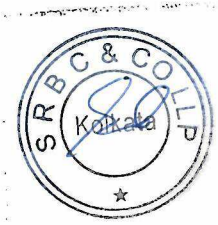
Management's Responsibility for the Statement

3. The preparation of the accompanying Statement is the responsibility of the Management of the Company including the preparation and maintenance of all accounting and other relevant supporting records and documents. This responsibility also includes the design, implementation and maintenance of internal control relevant to the preparation and presentation of the Statement and applying an appropriate basis of preparation and making estimates that are reasonable in the circumstances.

4. The Management is also responsible for ensuring that the Company complies with the requirements of and provides all relevant information to the JESRC.

Auditor's Responsibility for the Statement

5. Pursuant to the request of the Company for its onward submission to JSERC as mentioned in paragraph 2 above, it is our responsibility to provide a limited assurance based on our examination whether unit wise & month wise Consumption and Consumption rate of LDO of regulated units at Jojobera division for the financial year 2022-23 as stated in the Statement have been extracted from



the relevant books of account and records underlying the audited standalone financial statements for the year ended March 31, 2023.

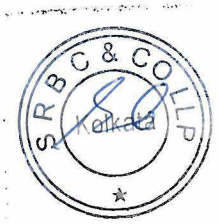
6. We have audited the standalone financial statements of the Company for the year ended March 31, 2023, on which we have issued an unmodified opinion vide our report dated May 4, 2023. Our audit of the standalone financial statements was conducted in accordance with the Standards on Auditing, as specified under section 143(10) of the Companies Act 2013 and other applicable authoritative pronouncement issued by the Institute of Chartered Accountants of India ("ICAI"). Those Standards require that we plan and perform the audit to obtain reasonable assurance about whether the standalone financial statements are free of material misstatement. Our audits were not planned and performed in connection with any transactions to identify matters that may be of potential interest to third parties.

7. We conducted our examination of the Statement in accordance with the Guidance Note on Reports or Certificates for Special Purposes (revised) issued by the Institute of Chartered Accountants of India ("ICAI"). The Guidance Note requires that we comply with the ethical requirements of the Code of Ethics issued by the Institute of Chartered Accountants of India.

8. We have complied with the relevant applicable requirements of the Standard on Quality Control (SQC) 1, Quality Control for Firms that Perform Audits and Reviews of Historical Financial Information, and Other Assurance and Related Services Engagements.

9. A limited assurance engagement involves performing procedures to obtain sufficient appropriate evidence on the reporting criteria mentioned in paragraph 5 above. The procedure performed vary in nature and timing from and are less extent that for, a reasonable assurance. Consequently, the level of assurance obtained is substantially lower than the assurance that would have been obtained had we performed a reasonable assurance engagement. Accordingly, we have performed the following procedures in relation to the Statement:

a) Obtained the statement of unit wise & month wise consumption and consumption rate of LDO for the year ended March 31, 2023.
b) The ERP system of Jojobera Division has been configured to record unit wise consumption of LDO and is identified by unique cost center assigned to each unit.
c) Traced the quantity of LDO consumed and its consumption rate at unit 2 and unit 3 of Jojobera division with the relevant books of accounts and other records underlying the audited standalone financial statements.
d) Made corroborative enquiries to understand the controls around booking of consumption of LDO.
e) We have traced the month wise and unit wise details of consumption as extracted from SAP ERP system (MB51 report) with the statement prepared by the company. We have relied on such report and have not performed any procedures.
f) We verified the arithmetical accuracy of the computation of consumption rate per kilo liter by dividing the consumption value with the total quantity consumed and reconciling the same with the statement received from the client.
g) Performed necessary inquires with the management and obtained necessary representations. The management has represented to us that the Company has complied with the requirements of the JSERC.



h) The above-mentioned procedures include examining evidence on a test basis supporting the particulars in this Statement. Further, our scope of work did not involve us performing audit test for the purposes of expressing an opinion on the fairness or accuracy of any of the financial information or the standalone financial statements of the Company taken as a whole.

Conclusion

10. Based on the procedures performed by us as referred to in paragraph 9 above and according to the information, explanation and management representations received by us, nothing has come to our attention that causes us to believe that the Statement showing unit wise & month wise Consumption and consumption rate of LDO of unit 2 and unit 3 at Jojobera division for the year ended March 31, 2023 as stated in the Statement have not been accurately extracted from the relevant books of account and records underlying the audited standalone financial statements for the years ended March 31, 2023.

Restriction on Use

11. This report is addressed to and provided to the Board of Directors of the Company solely for the purpose mentioned in paragraph 2 above and should not be used by any other person or for any other purpose. Accordingly, we do not accept or assume any liability or any duty of care for any other purpose or to any other person to whom this report is shown or into whose hands it may come without our prior consent in writing. We have no responsibility to update this report for events and circumstances occurring after the date of this report.

For S R B C & CO LLP
Chartered Accountants
ICAI Firm Registration Number: 324982E/E300003

per Sanjay Agarwal
Partner
UDIN No: 23055833BGXYKK4206
Membership Number: 055833

Place of Signature: Kolkata
Date: November 17, 2023

Printed on 100 % Recycled Paper

Statement of unit wise & month wise consumption and consumption rate of light diesel oil (LDO) of unit 2 and unit 3" ('Regulated Units') of Jojobera generation plant ('Jojobera Division') of the Company for the year ended March 31, 2023

FY 2022-23

Unit 2	UoM	Apr-22	May-22	Jun-22	Jul-22	Aug-22	Sep-22	Oct-22	Nov-22	Dec-22	Jan-23	Feb-23	Mar-23	Total
LDO Consumption (A)	Kilo Litre (KL)	-	6.32	7.00	4.47	0.92	2.60	1.00	-	2.00	2.00	40.00	15.24	81.55
LDO Consumption Value (B)	Rs	-	4,16,333	4,61,128	3,07,928	66,310	1,90,284	74,317	-	1,49,715	1,49,715	30,60,285	11,65,109	60,41,123
LDO Consumption Rate (B/A)	Rs/KL	-	65,875	65,875	68,857	71,764	73,186	74,317	-	74,858	74,858	76,507	76,471	74,077

Unit 3	UoM	Apr-22	May-22	Jun-22	Jul-22	Aug-22	Sep-22	Oct-22	Nov-22	Dec-22	Jan-23	Feb-23	Mar-23	Total
LDO Consumption (A)	Kilo Litre (KL)	26.00	4.00	1.00	23.00	-	26.50	-	60.00	2.00	44.00	-	1.00	187.50
LDO Consumption Value (B)	Rs	15,73,140	2,63,502	65,875	15,83,707	-	19,39,429	-	44,59,026	1,49,715	32,93,738	-	76,471	1,34,04,605
LDO Consumption Rate (B/A)	Rs/KL	60,505	65,875	65,875	68,857	-	73,186	-	74,317	74,858	74,858	-	76,471	71,491

Note:
1. Quantity consumed and value of consumption has been extracted from the material consumption register (MB 51 Report) in SAP and Statutory Auditors have relied on the same.

For and On Behalf of The Tata Power Company Limited

Authorised Signatory
Place : Jojobera
Date : 17.11.2023

The Tata Power Co. Ltd. * Jamshedpur-16 *

Jagmit Singh Sidhu
CEO - IEL & Chief - Jamshedpur Operations
The Tata Power Company Ltd.
Jamshedpur-831016

SRBC & CO LLP
Kolkata

TATA POWER
The Tata Power Company Limited
Jojobera Power Plant, Jamshedpur - 831016
Tel 91 657 2276879, 6511543
Registered Office Bombay House 24 Homi Mody Street Mumbai 400 001

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MoEF & CC (Ministry of Environment, Forest & Climate Change), UPPCB & HSPCB Recognized Laboratory

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TEST CERTIFICATE

ANNEXURE-P8

Test Report of	Report Code	Date of Issue
Light Diesel Oil	LDO-160422-21	28/04/2022

Issued To: M/S TATA POWER COMPANY LIMITED
JOJOBERA POWER PLANT, JAMSHEDPUR

SAMPLING & ANALYSIS DATA

Sample No. : TP/2022/APR/21
Sample Drawn on : 16.04.2022
Sample Description : Light Diesel Oil

TEST RESULTS:

Sr. No.	Parameters	Unit	Test Protocol	Results
1.	Density at 15 deg c	gm/cc	ASTM D 1298- 12b	0.832
2.	Moisture	%	ASTM D 95-13	<0.05
3.	Sulphur	%	ASTM D 4239	0.24
4.	Calorific Value	Kcal/kg	ASTM D 5865	10112
5.	Kinematics Viscosity At 40 C	Centistokes	ASTM D445-06	10.32
6.	Flash Point	^{0}C	ASTM D 93	82
7.	Carbon	%	ASTM D 5373	81.54

Checked By

Authorized Signatory

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TEST CERTIFICATE

Test Report of	Report Code	Date of Issue
Light Diesel Oil	LDO-140522-21	28/05/2022

Issued To: M/S TATA POWER COMPANY LIMITED
JOJOBERA POWER PLANT, JAMSHEDPUR

SAMPLING & ANALYSIS DATA

Sample No. : TP/2022/MAY/21
Sample Drawn on : 14.05.2022
Sample Description : Light Diesel Oil

TEST RESULTS:

Sr. No.	Parameters	Unit	Test Protocol	Results
1.	Density at 15 deg c	gm/cc	ASTM D 1298- 12b	0.812
2.	Moisture	%	ASTM D 95-13	<0.05
3.	Sulphur	%	ASTM D 4239	0.22
4.	Calorific Value	Kcal/kg	ASTM D 5865	10135
5.	Kinematics Viscosity At 40 C	Centistokes	ASTM D445-06	10.19
6.	Flash Point	^{0}C	ASTM D 93	81
7.	Carbon	%	ASTM D 5373	81.12

Checked By

Authorized Signatory

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Website : www.srlkolkata.com

DETAILS OF LIGHT DIESEL OIL

[Format No. : SRL / FM / 62]

Name & Address of the Customer	:	The Tata Power Company Limited Jojobera Power Plant Jamshedpur – 831 016			
Description of Sample	:	LDO [LDO SAMPLE NO. -1]			
Sample Identification No.	:	MISC. LIGHT DIESEL OIL -106-2022			
Sample Collected By	:	Scientific Research Laboratory			
Environmental Condition	:	Clear	Sampling Date	:	17.06.2022
Sample Receiving/Analysis Starting On	:	17.06.2022	Analysis Completed On	:	24.06.2022

TEST REPORT OF LIGHT DIESEL OIL

[SRL/TPCL(J) / MISC. LIGHT DIESEL OIL -106-2022 Dated: 24.06.2022]

Sl. no.	Parameters	Unit	Results	Test Method Specification
Physical & Chemical Properties of LDO				
1.	Kinematic Viscosity at 40°C	cSt.	10.2	IS 1448 : Part 25
2.	Flash point	°C	82	IS 1448 : Part 21
3.	Density at 15°C	g/cc	0.86	IS 1448 : Part 16
4.	Calorific Value	Kcl/kg	10530	IS 1448 : Part 6
5.	Moisture	(%)	0.08	IS 1448 : Part 40
6.	Carbon	(%)	80.45	IS 1448 : Part 8
7.	Sulphur	(%)	0.25	IS 1448 : Part 33

For Scientific Research Laboratory

Tripti Ghosh
(Senior Chemist)

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E-mail : nirajksingh2003@yahoo.co.in

DETAILS OF LIGHT DIESEL OIL

[Format No. : SRL / FM / 62]

Name & Address of the Customer	:	The Tata Power Company Limited Jojobera Power Plant Jamshedpur – 831 016			
Description of Sample	:	LDO [LDO SAMPLE NO. -1]			
Sample Identification No.	:	MISC. LIGHT DIESEL OIL -144-2022			
Sample Collected By	:	Scientific Research Laboratory			
Environmental Condition	:	Clear	Sampling Date	:	17.07.2022
Sample Receiving/Analysis Starting On	:	17.07.2022	Analysis Completed On	:	24.07.2022

TEST REPORT OF LIGHT DIESEL OIL

[SRL/TPCL(J) / MISC. LIGHT DIESEL OIL -144-2022 Dated: 24.07.2022]

Sl. no.	Parameters	Unit	Results	Test Method Specification
Physical & Chemical Properties of LDO				
1.	Kinematic Viscosity at 40°C	cSt.	10.5	IS 1448 : Part 25
2.	Flash point	°C	80	IS 1448 : Part 21
3.	Density at 15°C	g/cc	0.82	IS 1448 : Part 16
4.	Calorific Value	Kcl/kg	10500	IS 1448 : Part 6
5.	Moisture	(%)	0.07	IS 1448 : Part 40
6.	Carbon	(%)	82.30	IS 1448 : Part 8
7.	Sulphur	(%)	0.23	IS 1448 : Part 33

For Scientific Research Laboratory

Tripti Ghosh
(Senior Chemist)

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E-mail : nirajksingh2003@yahoo.co.in

DETAILS OF LIGHT DIESEL OIL

[Format No. : SRL / FM / 62]

Name & Address of the Customer	:	The Tata Power Company Limited Jojobera Power Plant Jamshedpur – 831 016			
Description of Sample	:	LDO			
Sample Identification No.	:	MISC. LIGHT DIESEL OIL -181-2022			
Sample Collected By	:	Scientific Research Laboratory			
Environmental Condition	:	Clear	Sampling Date	:	05.08.2022
Sample Receiving/Analysis Starting On	:	06.08.2022	Analysis Completed On	:	13.08.2022

TEST REPORT OF LIGHT DIESEL OIL

[SRL/TPCL#(J) / MISC. LIGHT DIESEL OIL -181-2022 Dated: 14.08.2022]

Sl. no.	Parameters	Unit	Results	Test Method Specification
Physical & Chemical Properties of LDO				
1.	Kinematic Viscosity at 40°C	cSt.	10.20	IS 1448 : Part 25
2.	Flash point	°C	75	IS 1448 : Part 21
3.	Density at 15°C	g/cc	0.831	IS 1448 : Part 16
4.	Calorific Value	Kcl/kg	10242	IS 1448 : Part 6
5.	Moisture	(%)	0.06	IS 1448 : Part 40
6.	Carbon	(%)	81.64	IS 1448 : Part 8
7.	Sulphur	(%)	0.19	IS 1448 : Part 33

For Scientific Research Laboratory

Tripti Ghosh
(Senior Chemist)

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424/23

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DETAILS OF LIGHT DIESEL OIL

[Format No. : SRL / FM / 62]

Name & Address of the Customer	:	The Tata Power Company Limited Jojobera Power Plant Jamshedpur – 831 016			
Description of Sample	:	LDO [LDO SAMPLE NO. -1]			
Sample Identification No.	:	MISC. LIGHT DIESEL OIL -208-2022			
Sample Collected By	:	Scientific Research Laboratory			
Environmental Condition	:	Clear	Sampling Date	:	10.09.2022
Sample Receiving/Analysis Starting On	:	10.09.2022	Analysis Completed On	:	20.09.2022

TEST REPORT OF LIGHT DIESEL OIL

[SRL/TPCL(J) / MISC. LIGHT DIESEL OIL -208-2022 Dated: 21.09.2022]

Sl. no.	Parameters	Unit	Results	Test Method Specification
Physical & Chemical Properties of LDO				
1.	Kinematic Viscosity at 40°C	cSt.	14.4	IS 1448 : Part 25
2.	Flash point	°C	60	IS 1448 : Part 21
3.	Density at 15°C	g/cc	0.5	IS 1448 : Part 16
4.	Calorific Value	Kcl/kg	10725	IS 1448 : Part 6
5.	Moisture	(%)	0.07	IS 1448 : Part 40
6.	Carbon	(%)	75.45	IS 1448 : Part 8
7.	Sulphur	(%)	0.25	IS 1448 : Part 33

Dr.Jyotirmoy Majumdar
(Authorized Signatory)

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DETAILS OF LIGHT DIESEL OIL

[Format No. : SRL / FM / 62]

Name & Address of the Customer	:	The Tata Power Company Limited Jojobera Power Plant Jamshedpur – 831 016			
Description of Sample	:	LDO [LDO TANK]			
Sample Identification No.	:	MISC. LIGHT DIESEL OIL -217-2022			
Sample Collected By	:	Scientific Research Laboratory			
Environmental Condition	:	Clear	Sampling Date	:	14.10.2022
Sample Receiving/Analysis Starting On	:	14.10.2022	Analysis Completed On	:	20.10.2022

TEST REPORT OF LIGHT DIESEL OIL

[SRL/TPCL(J) / MISC. LIGHT DIESEL OIL -217-2022 Dated: 21.10.2022]

Sl. no.	Parameters	Unit	Results	Test Method Specification
Physical & Chemical Properties of LDO				
1.	Kinematic Viscosity at 40°C	cSt.	10.3	IS 1448 : Part 25
2.	Flash point	°C	85	IS 1448 : Part 21
3.	Density at 15°C	g/cc	0.831	IS 1448 : Part 16
4.	Calorific Value	Kcl/kg	10112	IS 1448 : Part 6
5.	Moisture	(%)	<0.05	IS 1448 : Part 40
6.	Carbon	(%)	81.64	IS 1448 : Part 8
7.	Sulphur	(%)	0.25	IS 1448 : Part 33

Dr.Jyotirmoy Majumdar
(Authorized Signatory)

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DETAILS OF LIGHT DIESEL OIL

[Format No. : SRL / FM / 62]

Name & Address of the Customer	:	The Tata Power Company Limited Jojobera Power Plant Jamshedpur – 831 016
Description of Sample	:	LDO [LDO TANK]
Sample Identification No.	:	MISC. LIGHT DIESEL OIL -231-2022
Sample Collected By	:	Scientific Research Laboratory
Environmental Condition	:	Clear
Sampling Date	:	05.11.2022
Sample Receiving/Analysis Starting On	:	05.11.2022
Analysis Completed On	:	18.11.2022

TEST REPORT OF LIGHT DIESEL OIL

[SRL/TPCL(J) / MISC. LIGHT DIESEL OIL -231-2022 Dated: 18.11.2022]

Sl. no.	Parameters	Unit	Results	Test Method Specification
Physical & Chemical Properties of LDO				
1.	Kinematic Viscosity at 40°C	cSt.	10.5	IS 1448 : Part 25
2.	Flash point	°C	82	IS 1448 : Part 21
3.	Density at 15°C	g/cc	0.825	IS 1448 : Part 16
4.	Calorific Value	Kcl/kg	10120	IS 1448 : Part 6
5.	Moisture	(%)	<0.05	IS 1448 : Part 40
6.	Carbon	(%)	84.2	IS 1448 : Part 8
7.	Sulphur	(%)	0.22	IS 1448 : Part 33

Dr.Jyotirmoy Majumdar
(Authorized Signatory)

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DETAILS OF LIGHT DIESEL OIL

[Format No. : SRL / FM / 62]

Name & Address of the Customer	:	The Tata Power Company Limited Jojobera Power Plant Jamshedpur – 831 016			
Description of Sample	:	LDO [LDO TANK]			
Sample Identification No.	:	MISC. LIGHT DIESEL OIL -280-2022			
Sample Collected By	:	Scientific Research Laboratory			
Environmental Condition	:	Clear	Sampling Date	:	02.12.2022
Sample Receiving/Analysis Starting On	:	02.12.2022	Analysis Completed On	:	19.12.2022

TEST REPORT OF LIGHT DIESEL OIL

[SRL/TPCL(J) / MISC. LIGHT DIESEL OIL -280-2022 Dated: 19.12.2022]

Sl. no.	Parameters	Unit	Results	Test Method Specification
Physical & Chemical Properties of LDO				
1.	Kinematic Viscosity at 40°C	cSt.	10.2	IS 1448 : Part 25
2.	Flash point	°C	75	IS 1448 : Part 21
3.	Density at 15°C	g/cc	0.831	IS 1448 : Part 16
4.	Calorific Value	Kcl/kg	10242	IS 1448 : Part 6
5.	Moisture	(%)	0.06	IS 1448 : Part 40
6.	Carbon	(%)	81.64	IS 1448 : Part 8
7.	Sulphur	(%)	0.19	IS 1448 : Part 33

Dr.Jyotirmoy Majumdar
(Authorized Signatory)

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DETAILS OF LIGHT DIESEL OIL

[Format No. : SRL / FM / 62]

Name & Address of the Customer	:	The Tata Power Company Limited Jojobera Power Plant Jamshedpur – 831 016			
Description of Sample	:	LDO [LDO SAMPLE NO. -1]			
Sample Identification No.	:	MISC. LIGHT DIESEL OIL -003-2023			
Sample Collected By	:	Scientific Research Laboratory			
Environmental Condition	:	Clear	Sampling Date	:	17.01.2023
Sample Receiving/Analysis Starting On	:	17.01.2023	Analysis Completed On	:	24.01.2023

TEST REPORT OF LIGHT DIESEL OIL

[SRL/TPCL(J) / MISC. LIGHT DIESEL OIL -003-2023 Dated: 25.01.2023]

Sl. no.	Parameters	Unit	Results	Test Method Specification
Physical & Chemical Properties of LDO				
1.	Kinematic Viscosity at 40°C	cSt.	14.4	IS 1448 : Part 25
2.	Flash point	°C	82.0	IS 1448 : Part 21
3.	Density at 15°C	g/cc	0.5	IS 1448 : Part 16
4.	Calorific Value	Kcl/kg	10725	IS 1448 : Part 6
5.	Moisture	(%)	0.07	IS 1448 : Part 40
6.	Carbon	(%)	84.1	IS 1448 : Part 8
7.	Sulphur	(%)	0.21	IS 1448 : Part 33

Dr.Jyotirmoy Majumdar
(Authorized Signatory)

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DETAILS OF LIGHT DIESEL OIL

[Format No. : SRL / FM / 62]

Name & Address of the Customer	:	The Tata Power Company Limited Jojobera Power Plant Jamshedpur – 831 016			
Description of Sample	:	LDO [STORE]			
Sample Identification No.	:	MISC. LIGHT DIESEL OIL -045-2023			
Sample Collected By	:	Scientific Research Laboratory			
Environmental Condition	:	Clear	Sampling Date	:	07.02.2023
Sample Receiving/Analysis Starting On	:	07.02.2023	Analysis Completed On	:	21.02.2023

TEST REPORT OF LIGHT DIESEL OIL

[SRL/TPCL(J) / MISC. LIGHT DIESEL OIL -045-2023 Dated: 21.02.2023]

Sl. no.	Parameters	Unit	Results	Test Method Specification
Physical & Chemical Properties of LDO				
1.	Kinematic Viscosity at 40°C	cSt.	13.9	IS 1448 : Part 25
2.	Flash point	°C	84.0	IS 1448 : Part 21
3.	Density at 15°C	g/cc	0.82	IS 1448 : Part 16
4.	Calorific Value	Kcl/kg	10835	IS 1448 : Part 6
5.	Moisture	(%)	0.05	IS 1448 : Part 40
6.	Carbon	(%)	85.8	IS 1448 : Part 8
7.	Sulphur	(%)	0.25	IS 1448 : Part 33

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DETAILS OF LIGHT DIESEL OIL

[Format No. : SRL / FM / 62]

Name & Address of the Customer	:	**The Tata Power Company Limited Jojobera Power Plant Jamshedpur – 831 016**			
Description of Sample	:	**LDO [STORE]**			
Sample Identification No.	:	MISC. LIGHT DIESEL OIL -053-2023			
Sample Collected By	:	Scientific Research Laboratory			
Environmental Condition	:	Clear	Sampling Date	:	11.03.2023
Sample Receiving/Analysis Starting On	:	11.03.2023	Analysis Completed On	:	22.03.2023

TEST REPORT OF LIGHT DIESEL OIL

[SRL/TPCL(J) / MISC. LIGHT DIESEL OIL -053-2023 Dated: 22.03.2023]

Sl. no.	Parameters	Unit	Results	Test Method Specification
Physical & Chemical Properties of LDO				
1.	Kinematic Viscosity at 40°C	cSt.	15.1	**IS 1448 : Part 25**
2.	Flash point	°C	85.0	**IS 1448 : Part 21**
3.	Density at 15°C	g/cc	0.827	**IS 1448 : Part 16**
4.	Calorific Value	Kcl/kg	10915	**IS 1448 : Part 6**
5.	Moisture	(%)	0.06	**IS 1448 : Part 40**
6.	Carbon	(%)	84.8	**IS 1448 : Part 8**
7.	Sulphur	(%)	0.21	**IS 1448 : Part 33**

Dr.Jyotirmoy Majumdar
(Authorized Signatory)

- The test report shall not be reproduced, except in full, without written approval of the company.
- Results relate only to the parameters tested.
- No Repeat Analysis will be entertained after 15 days from the date of reporting.
- All relevant information of customers regarding testing are treated as "Confidential".

ANNEXURE-P9

Consumption of CCL WIV (in MT) Under Round 2 and Round 3

Unit 2	**CCL WIV(Qty)**	**Apr-22**	**May-22**	**Jun-22**	**Jul-22**	**Aug-22**	**Sep-22**	**Oct-22**	**Nov-22**	**Dec-22**	**Jan-23**	**Feb-23**	**Mar-23**	**FY 23**	**In % terms**
Round 2	MT						26293	2813						29106	17%
Round 3	MT		2623	22028	18850	20487		11796	18265	13577.04	11802	4748	13063	137240	83%
Total	MT	0	2623	22028	18850	20487	26293	14609	18265	13577	11802	4748	13063	166345	
Unit 3		**Apr-22**	**May-22**	**Jun-22**	**Jul-22**	**Aug-22**	**Sep-22**	**Oct-22**	**Nov-22**	**Dec-22**	**Jan-23**	**Feb-23**	**Mar-23**	**FY 23**	
Round 2	MT						18883	4181						23065	13%
Round 3	MT		10792	25513	14897	12234		17538	14030	13870	11729	8053	19920	148576	87%
Total	MT	0	10792	25513	14897	12234	18883	21719	14030	13870	11729	8053	19920	171641	
Unit 2&3		**Apr-22**	**May-22**	**Jun-22**	**Jul-22**	**Aug-22**	**Sep-22**	**Oct-22**	**Nov-22**	**Dec-22**	**Jan-23**	**Feb-23**	**Mar-23**	**FY 23**	
Round 2	MT	0	0	0	0	0	45176	6994	0	0	0	0	0	52171	15.44%
Round 3	MT	0	13415	47541	33747	32721	0	29334	32295	27447	23531	12801	32984	285816	84.56%
Total	MT	0	13415	47541	33747	32721	45176	36328	32295	27447	23531	12801	32984	337986	

ANNEXURE-P10

JPP/233/2022
Dt.30.09.2022

The Secretary
Jharkhand State Electricity Regulatory Commission
New Police Line Road, Opposite to C.M. House,
Kanke Road, Ranchi – 834001

Subject: Submission of Report on Additional Capitalization for Q1 FY 2022-23

Sir,

This is in reference to the Tariff Order dated 14.02.2020 in Case Tariff No. 1 of 2019 and the earlier Tariff Order dated 27.12.2019 in Case Tariff No. 05 of 2018, wherein Hon'ble Commission directed Tata Power to apprise Hon'ble Commission immediately about new addition/ increase in the scope of work during the execution of approved schemes. Directive of the Hon'ble Commission in this regard is reproduced below for ready reference:

> *"A 9: DIRECTIVES*
>
> ***New addition/ increase in the scope of work during the execution of approved schemes***
>
> *9.6 The Petitioner is hereby directed that during the execution of work pertaining to any preapproved schemes, any increase in the scope of work, procurement, services, price/cost etc. should be brought to the notice of the Commission immediately"*

It is stated that Revised Capitalization Phasing along with justification for deviation in change of cost & scope for FY 2022-23, has already been submitted by Tata Power in it's Additional Affidavit in Petition for MYT for FY 2022-26, submitted to Hon'ble Commission dated 16.08.2022.

It is also to be submitted that there is zero additional capitalization in first quarter of FY 2022-23 as per our provisional books of accounts, which is subject to change, if any, after audit.

Thanking you,

Yours Sincerely,

(Jagmit Singh Sidhu)
CEO-IEL & Chief - Jamshedpur Operation

TATA POWER
The Tata Power Company Limited
Jamshedpur - 831016 India
Tel: 0657- 6627636
Registered Office Bombay House 24 Homi Mody Street Mumbai 400 001

JPP/285/2022
Dt.30.12.2022

The Secretary
Jharkhand State Electricity Regulatory Commission
1st Floor, Jharkhand Housing Board Headquarter (Old Building)
Harmu Housing Colony, Ranchi-834002

Subject: Submission of Report on Additional Capitalization for Q2 FY 2022-23

Sir,

This is in reference to the Tariff Order dated 04.11.2022 in Case Tariff No. 10 of 2020 and the earlier Tariff Order dated 14.02.2020 in Case Tariff No. 1 of 2019, wherein Hon'ble Commission directed Tata Power to apprise Hon'ble Commission immediately about new addition/ increase in the scope of work during the execution of approved schemes. Directive of the Hon'ble Commission in this regard is reproduced below for ready reference:

> *"A 9: DIRECTIVES*
>
> ***New addition/ increase in the scope of work during the execution of approved schemes***
>
> *9.6 The Petitioner is hereby directed that during the execution of work pertaining to any preapproved schemes, any increase in the scope of work, procurement, services, price/cost etc. should be brought to the notice of the Commission immediately"*

It is stated that Revised Capitalization Phasing along with justification for deviation in change of cost & scope w.r.t approved figure as per the Order dated 04.11.2022 for FY 2022-23, has already been submitted by Tata Power in it's Petition for APR for FY 2022-23, submitted to Hon'ble Commission dated 30.11.2022.

It is also to be submitted that there is zero additional capitalization in second quarter of FY 2022-23 as per our provisional books of accounts, which is subject to change, if any, after audit.

Thanking you,

Yours Sincerely,

(Jagmit Singh Sidhu)
CEO-IEL & Chief - Jamshedpur Operation

TATA POWER
The Tata Power Company Limited
Jojobera Power Plant, Jamshedpur - 831016
Tel 91 657 2276879, 6511543
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Printed on 100 % Recycled Paper

JPP/ 62/2023
31.03.2023

The Secretary
Jharkhand State Electricity Regulatory Commission
New Police Line Road, Opposite to C.M. House,
Kanke Road, Ranchi – 834001

Subject: Submission of Report on Additional Capitalization for Q3 FY 2022-23

Sir,

This is in reference to the Tariff Order dated 04.11.2022 in Case Tariff No. 10 of 2020 and the earlier Order dated 14.02.2020 in Case Tariff No. 1 of 2019, wherein Hon'ble Commission directed Tata Power to apprise Hon'ble Commission immediately about new addition/ increase in the scope of work during the execution of approved schemes. Directive of the Hon'ble Commission in this regard is reproduced below for ready reference:

> *"A 9: DIRECTIVES*
>
> ***New addition/ increase in the scope of work during the execution of approved schemes***
>
> *9.6 The Petitioner is hereby directed that during the execution of work pertaining to any preapproved schemes, any increase in the scope of work, procurement, services, price/cost etc. should be brought to the notice of the Commission immediately"*

It is stated that Revised Capitalization Phasing along with justification for deviation in change of cost & scope for FY 2022-23, has already been submitted by Tata Power in its Petition for APR for FY 2022-23, submitted to Hon'ble Commission dated 30.11.2022. Variation in Scheme of Bulldozer for Coal Handling Plant vis-à-vis as approved by the Hon'ble Commission is summarized in the enclosed appendix.

It is also to be submitted that there is zero (nil) additional capitalization in the third quarter of FY 2022-23 as per our provisional books of accounts, which is subject to change, if any, after audit.

Thanking you,

Yours Sincerely,

(Jagmit Singh Sidhu)
CEO-IEL & Chief - Jamshedpur Operation

Report on Revised Capex and Capitalization plan for the approved Scheme of 'CHP Dozer":

Name of the Scheme	Used in Units	Approved Scheme Value (Rs. Cr)	Approved Scheme Value (Apportioned to Unit 2&3) (Rs. Cr)	Approved Capitalization phasing	Revised Scheme Value (Rs. Cr)	Approved Scheme Value (Apportioned to Unit 2&3) (Rs. Cr)	Increase in Apportioned Cost to U2&3 (Rs. Cr)	Revised Capitalization phasing
		i	ii		iii	iv	v = iv-ii	
CHP Dozer	1,2,3,4,5	5.4	2.37	FY 21-22	7.25	3.18	0.81	FY 23-24

1. It is submitted that considering the critical condition of the existing dozers and in view of the safety concerns, Tata Power proposed for replacement of existing dozers which were commissioned in year 2000 & 2001 to ensure safe and smooth operations of the Plant. The proposed plan was to replace the existing BEML Dozers with two BEML Dozers with following specification:
    - Flywheel Power – 324 hp at 2000rpm
    - Blade Type & Capacity - Coal U Blade, 17.4 cum
2. The Scheme was proposed in the MYT Petition dated 01.12.2020 and after due prudence check, the Hon'ble Commission approved the above Scheme in the MYT Order dated 04.11.2022 with Scheme Value of Rs. 5.4 Crore and Capitalization Phasing in FY 2021-22. Since, this is a Common Scheme catering to all units of Jojobera Power Plant, the apportioned cost approved and allocated to Unit 2&3 was Rs. 2.37 Crore.
3. It is further submitted that in terms of the liberty granted in the MYT Order to file revised Capex estimate and decapitalization in next tariff filing, Petitioner has already submitted the revised Capitalization Phasing of FY 2023-24 against approved Phasing of FY 2021-22 with appropriate reasons and considering the advancement in the project for kind consideration of the Hon'ble Commission. It is therefore requested to kindly consider the revised phasing which got deferred mainly on account of covid restrictions impacting the activities, Period not suitable for the competitive price discovery and since final approval of the Capital Investment Plan was awaited, only utmost priority schemes were undertaken in these years as substantial investments are required to be invested in various schemes.
4. In this regard, it is further submitted that considering the other Dozers which are of Caterpillar make and in view of the overall benefits as enumerated below, Management has decided to purchase One Dozer of Higher Capacity of Caterpillar make with following Specification instead of two dozers of lower capacity as proposed earlier in the MYT Petition to optimize over all inventory, to minimize the operational challenges and ultimately to cater the requirements of the Power Plants in most efficient way:

    Caterpillar Dozer (Specification)
    - Flywheel Power – 412 hp at 1900rpm
    - Additional Coal, Blade Capacity- 35.8 cum

    Benefits of Caterpillar Dozer over BEML Dozer

- The power transmission of caterpillar make dozers are based on latest technology and are more efficient.
- Having Similar make Dozers will enable better inventory Planning/Availability and optimization of overall Cost.
- Operation & Maintenance of identical machines would help better Operation & Maintenance as different skills are required to operate different Machines.

5. The cost discovered now for procurement of the Caterpillar Make Dozer with transportation and contingency is expected to be Rs. 7.25 Cr against earlier estimated/proposed cost of Rs. 5.4 Crores. The apportioned and allocated cost to Unit 2&3 is higher by Rs. 0.81 Crore as shown in the above exhibit. The primary reasons for increase in the cost of the proposed scheme is primarily on account of variations in Exchange Rate (dollar/Rupee) considering the current international factors/Market forces since Dozer is an imported item coupled with actual escalation of cost from 2019-20 level when proposal was made and variation in scope of the proposal. It is further submitted that globally the cost of items/products has increased/increasing on account of current international crisis/ fear coupled with impact of COVID-19 and the same is beyond the control of the Petitioner.
6. In view of the above, it is submitted that increase in the cost of Dozer which is an imported item is beyond the control of the petitioner and, therefore, the Petitioner most humbly requests this Hon'ble Commission to kindly consider the revised proposal with revised scope and Capex value for the Scheme of CHP Dozer. The Petitioner further seeks liberty of this Hon'ble Commission to update with all documents in the next Add Cap Report i.e., report for Q4 of FY 2022-23 which shall consolidated all the variations up to 31.03.2023 for kind consideration of the Hon'ble Commission.

JPP/ 125 /2023
30.06.2023

To,
The Secretary
Jharkhand State Electricity Regulatory Commission
New Police Line Road, Opposite to C.M. House,
Kanke Road, Ranchi – 834001

Subject: Submission of Report on Additional Capitalization for Q4 FY 2022-23

Sir,

This is in reference to the Tariff Order dated 04.11.2022 in Case Tariff No. 10 of 2020 and the earlier Order dated 14.02.2020 in Case Tariff No. 1 of 2019, wherein Hon'ble Commission directed Tata Power to apprise Hon'ble Commission immediately about new addition/ increase in the scope of work during the execution of approved schemes. Directive of the Hon'ble Commission in this regard is reproduced below for ready reference:

> *"A 9: DIRECTIVES*
>
> ***New addition/ increase in the scope of work during the execution of approved schemes***
>
> *9.6 The Petitioner is hereby directed that during the execution of work pertaining to any preapproved schemes, any increase in the scope of work, procurement, services, price/cost etc. should be brought to the notice of the Commission immediately."*

It is submitted that Revised Capitalization Phasing for FY 2022-23 including proposal for few urgent schemes has already been submitted in APR Petition for FY 2022-23 along with justification on 30.11.2022. The above Petition is currently under active consideration of the Hon'ble Commission. Since FY 22-23 is over and actual capitalization and decapitalization being available, detailed Add Cap report for FY 22-23 covering increase in scope of work, revision in capex and capitalization phasing compared to revised phasing as proposed in the above Petition along with justification is provided in enclosed Appendix for kind consideration of the Hon'ble Commission.

It may kindly be noted that this report is as per our provisional books of accounts, which is subject to change, if any, after audit.

Thanking you,

Yours Sincerely,

(Jagmit Singh Sidhu)
CEO-IEL & Chief - Jamshedpur Operation

APPENDIX

Report on Revised Capex and Capitalization plan for the Approved/Proposed Schemes:

1. The Hon'ble Commission in the Tariff Order dated 04.11.2022 and in earlier Tariff Order dated 14.02.2020 and 27.12.2019 directed Tata Power to apprise Hon'ble Commission immediately about new addition/ increase in the scope of work during the execution of approved schemes. Directive of the Hon'ble Commission in this regard in reproduced below for ready reference:

   "A 9: DIRECTIVES

   New addition/ increase in the scope of work during the execution of approved schemes

   9.6 The Petitioner is hereby directed that during the execution of work pertaining to any preapproved schemes, any increase in the scope of work, procurement, services, price/cost etc. should be brought to the notice of the Commission immediately"

2. In compliance with the above directive, Tata Power hereby in the exhibit below submit the status of the Additional Capitalizations for year ending 31st March 2023 including increase in scope & cost along with justifications for kind perusal and consideration of the Hon'ble Commission. It is further submitted that the present report is prepared based on unaudited provisional accounts and is subject to change based on the final audited figures.
3. In this regard, it is apposite to mention that the MYT Order for the Jojobera Units 2 & 3 was passed by this Hon'ble Commission on 04.11.2022 including approval on the Capital Investment Plan for FY 2022-26 as proposed in MYT Petition dated 01.12.2020. considering closure of the financial year FY 21 & FY 22 subsequent to filing of the MYT Petition on 01.12.2020 and availability of the actual capitalizations' details for these years, Tata Power filed an Additional Affidavit dated 10.08.2022 for revision of the Capitalization and Decapitalization Plan for FY 22-26. However, the same could not be considered by Hon'ble Commission while disposing of the MYT

Petition but granted liberty to file revised Capex estimate and deccap in next tariff filing: The relevant extract of the MYT Order is extracted below for ready reference of the Hon'ble Commission:

> *"7.68 with regards to Petitioner submission of revised additional capital expenditure/ capitalization and de-capitalisation for the Control Period from FY 2021-22 to FY 2025-26 before the Commission for approval vide letter dated August 10, 2022. It is observed that the revised additional capital expenditure/capitalisation and de-capitalisation was submitted to the Commission after public notice was published and just before the public hearing. Hence, this additional information was not published for the public consultation and public at large could not respond to the revised numbers which shall have an incremental impact on ARR. Therefore, the Commission in this order has not considered the revised Capex estimate and de-cap schedule of the Petitioner submitted for the Control Period.* ***However, Petitioner is at liberty to file revised Capex estimate and de-cap. in next tariff filing petition.****"*

4. Accordingly, Tata Power, in the APR Petition for FY 2022-23 dated 30.11.2022 submitted the revised capitalization and decapitalization plan for FY 22-26 which is currently under active consideration of the Hon'ble Commission. Accordingly, variations between actual capitalization vis-à-vis revised capitalization plan have been summarized below. There are certain variations in actual Capitalization as per Books vis-à-vis Revised Capitalization plan and the same are on account of unavoidable/uncontrollable reasons which are summarized in the Table below for kind consideration of the Hon'ble Commission.

											Amounts (In Rs. Lakh)
Sr. No.	**Project Description**	**Total Cost Approved (Lakh)**	**Total Proposed Cost (Lakh)**	**Total Apportioned Cost to Unit 2 & 3 (Lakh)**	**Used in Units**	**Approved Capitalization Plan in FY 2022-23 as per MYT Order dated 04.11.2022**	**Proposed Capitalization plan in APR Petition for FY 2022-23**	**Actual Capitalization for FY 2022-23**	**Carry Forward/ Surrender**	**Increase in Cost and Revised Phasing**	**Remarks**
						Value Apportioned to Unit 2 & 3					
1	Replacement of Dead Tank CT with Live Tank CT (Carry forward)	174.00	205.26	89.98	1,2,3,4,5	17.75	18.42	13.51	-4.91	No increase, in line with original phasing i.e. to be completed in phase manner by FY 25	This scheme is being executed as per the revised capitalization plan for FY 2022-26 as submitted in the APR Petition for FY 2021-22 & for FY 22-23. Reasons for deviation compared to MYT proposal has been submitted in the APR Petitions for kind consideration of the Hon'ble Commission which was mainly on account of Covid -19 Pandemic. Actual Capitalization for FY 23 is about Rs. 30.82 Lakh in total and, accordingly, Capitalization apportioned to Unit 2 & 3 basis installed capacities of the Units works out to Rs. 13.51 Lakh. Remaining amount of about Rs 4.91 lakh from Capex phasing of FY 23 (Apportioned amount to Unit 2& 3 is 0.67 Lakh) is being carried forward to FY 23-24 for capitalization. Above Capitalization is lower compared to proposed phasing in FY 23 is mainly on account of variations in outage plan/duration considering load requirement of distribution licensee.

2	Turbine and Generator Bearing sets		78.97	78.97	2		42.69	36.90	-5.80	-5.80, Project over	This Project was not fully capitalized in FY 2021-22 because some parts of the machinery couldn't reach Jamshedpur Plant since the consignment met an accident during transit. Detail Communications in this regard has already been submitted in earlier Add Cap Reports and APR Petitions and the same may kindly be referred to. Balance parts which got damaged during transit were supplied in FY 2022-23 and accordingly capitalized. Project is over and there is no cost overrun. Balance amount/savings of Rs 5.80 Lakh is being surrendered.
3	Control Room AC System Unit #2 & 3	345	345	345	2,3	172.5	172.5		-172.5	173.5 lakh to be likely completed within original phasing of FY 24	It is humbly submitted that approval for this scheme was granted in MYT Order dated 04.11.2022. Prior to MYT Order, Tata Power had undertaken those schemes which were of utmost priority or ongoing schemes from FY 21. Accordingly, revised phasing of FY 22-23 and FY 23-24 with Capitalization of Rs. 172.5 lakh in each year was submitted in APR Petition for FY 2022-23 compared to earlier phasing in FY 22 & FY23. However, considering the current status of implementation, the project is likely to be completed by FY 24 with proposed capitalizations of Rs. 518.5 Lakh compared to approval of Rs. 345 Lakh. Reasons for deferment of Capitalization phased in FY 23 to FY 24 and cost escalation is provided below for kind consideration of the Hon'ble Commission: i. It is submitted that post MYT Order, Petitioner after conducting the due bidding process and after management approval has awarded the project. However, project shall be implemented in upcoming winter season of FY 24 because the temperature of the control room was required to be maintained around 22

											Deg C and maintaining temperature of 22 Deg C throughout was technically not possible in other months with replacement of the existing package AC system simultaneously. Considering, above mandatory technical requirement, project has been re-phased in FY 24 and is likely to be over in FY 24. ii. Further, with regard to cost escalation, it is submitted that Petitioner in the DPR proposed for upgradation of the existing Package System and accordingly, the cost of Rs. 345 Lakh was envisaged based on the budgetary quote of Rs. 330 Lakhs received from the OEM, M/s Vertiv Energy Private Limited in Nov-18 with one-time nominal escalation of 4.5%. It is noteworthy to mention that such budgetary quote was initial estimate and was subject to change due to change in scope of work, time elapsed and was exclusive of any cost towards interior, civil and structural work. iii. However, after considering the (i) present environmental condition i.e. rising ambient temperature which goes up to 42-43 Deg C and 95% Relative Humidity; (ii) designed conditions for the control room environment i.e. 20 Deg C with margin of 2% and 50-60% RH and (iii) technical evaluation of the control room requirements and package AC system, Management has decided for installing new Microprocessor based Water Cooled Scroll Chiller Unit which is technically more efficient than the package AC system.

											iv. With new chiller system, scope of the work has increased compared to quantum of work that was envisaged in the DPR submitted to Hon'ble Commission in the MYT Petition. The new chiller system comprises of Chiller Unit, Condenser Pumps, Chiller pump, Cooling Tower, Indoor AHU Unit, Electrical panel / Instrument control Cards, water piping etc. Inclusion of various components viz., Chiller Units, Condenser pumps, Chiller pump, Cooling tower and water piping etc as required for chiller system has led to increase in scope of work and same was technically/mandatorily required to run the AC System effectively to meet the control Room Parameters and, thereby, reliability of the Generating Units. v. Accordingly, the final cost discovered after bidding is Rs. 493.5 Crore inclusive of taxes, duties, freight and contingency of 3%. Hence, there is a cost increase of about Rs. 148.5 Lakh compared to approved cost of Rs. 345 Lakh on account of increase in scope of work as explained above coupled with cost escalation owing to time elapsed i.e. time gap of 4 years from initial estimation and same was beyond the control of Tata Power considering the mandatory technical requirements of control room parameters as explained above. vi. Also, taking into account the estimated cost of Rs. 25 Lakh towards civil works and input power supply which is in the scope of Tata Power, the final cost would work out to Rs.

											518.5 Lakh which is about 173.5 lakhs from approved cost. In view of the foregoing, the Petitioner most humbly requests this Hon'ble Commission to consider the revised capitalization plan of Rs. 518.5 lakh in FY 23-24. However, Petitioner shall apprise Hon'ble Commission, in case of any change in above schedule/cost due to any unforeseen/unavoidable circumstances.
4	Ash Conveying pipe line Unit #2 & 3	280	280	280	2,3	180	50		-50		As submitted above, prior to MYT Order dated 4.11.2022, Tata Power had undertaken those schemes which were of utmost priority or ongoing schemes from FY 21 and implementation of some of the schemes were deferred after taking transitional measures. Accordingly, after approval in Nov-24 the implementation of this was taken up by Tata Power and as per the latest status, this scheme is currently under bidding process and likely to be executed in FY 24 and FY 25 instead of FY 23 & FY 24 as planned earlier. The Petitioner humbly requests this Hon'ble Commission to consider the revised plan. The Petitioner shall update the revised/final Capitalization plan in APR Petition for FY 24 as bidding is underway and final schedule/cost is yet to be discovered/finalised.

5	Workshop machine Tools, Condition Monitoring tools & Mobile Environmental dust Extractor Unit #2 & 3	200	200	87.67	1,2,3,4,5	54.79	30		-30		Similar to above scheme, this scheme was also taken up post MYT order and as per the latest status this scheme is under bidding process and likely to be completed in FY 24 & FY 25 in place of FY 23 & FY 24 as proposed earlier. The Petitioner humbly requests this Hon'ble Commission to consider the revised plan. The Petitioner shall update the revised/final Capitalization plan in APR Petition for FY 24 as bidding is underway and final schedule/cost is yet to be discovered/ finalised.
6	Turbine Parting Plane Bolts & Coupling Bolts Unit #2.	433.76	433.76	433.76	2	433.76				Likely to be over in FY 25	On similar lines as stated above, this scheme has been taken up post MYT Order and as per the current status this scheme is under approval stage/budget allocation and likely to be executed and completed in FY 25 in place of FY 24 as proposed earlier. The Petitioner humbly requests this Hon'ble Commission to consider the revised plan since supply of this material has a high lead time of more than a year. The Petitioner seeks liberty of the Hon'ble Commission to update the revised/final Capitalization plan in APR Petition for FY 24 as final schedule/cost is yet to be discovered/ finalised after bidding.
7	BFP Destaging	275	275	275	2,3		52.46	18.09	-34.37		Project is over and there is no cost overrun.

8	Multi-Layered Security System for Jojobera Power Plant.	275	275	120.55	1,2,3,4,5	54.79	40		-40	Likely to be execute in FY 24 & 25	This scheme was also taken up post MYT order and as per the latest status, this scheme is under various stages of approval/budget allocation and likely to be executed and completed in FY 24 & FY 25 in place of FY 23 & FY 24 as proposed earlier. The Petitioner humbly requests this Hon'ble Commission to consider the revised plan. The Petitioner shall update the revised/final Capitalization plan in APR Petition for FY 24 as final schedule/cost is yet to be discovered/ finalised.
9	CHP PLC Upgradation		150 [Common to Unit 1 to 5]	65.75	1,2,3,4,5		65.75	65.63	-0.12	-0.12	In terms of the liberty granted in MYT Order, Petitioner proposed for upgradation of the CHP PLC with new PLC alongwith latest Operating System in FY 23 since OEM has declared this system obsolete in FY 21 and further informed about their inability to provide spares and services. Therefore, considering the criticality and urgency of the scheme as it is linked to operations of the Units, this scheme has been taken-up and implemented in FY 23 as per original plan within the proposed budget. This scheme was taken up for reasons beyond the control of Tata Power and, hence, it most humbly requests this Hon'ble Commission to kindly approve the additional Capitalization of Rs. 65.63 Lakh (Apportioned cost to Unit 2 & 3) against this scheme in FY 22-23. Detailed submission/DPR in this regard has been made/submitted in APR Petition for FY 22-23 and the same may kindly be referred to.
10	Procurement of Laptops/IT		9.49 [Commo	4.16	1,2,3,4,5	0	0	4.16	4.16		It is submitted that Tata Power had to incur an amount of Rs. 9.49 Lakh towards procurement of IT Assets majorly covering replacement of old Laptops for employees. It is humbly submitted that IT assets including Laptops have life cycle of not more than 4-5

	Equipment's		n to Unit 1 to 5]								years and, hence, it becomes necessary for the Tata Power to replace such outlived assets as and when required. Hence, it was essential to incur an expenditure of Rs. 9.49 Lakh in total [For Units 1 to 5] on procurement of such IT Assets with a decapitalization of Rs 10.44 Lakh in total as per provisional Accounts. In light of above, Tata Power humbly requests this Hon'ble Commission to kindly consider such expenditure for FY 2022-23. Moreover, since replacement of assets viz., Laptop and other IT Assets is uncertain unless any major replacement is planned, this could not be brought to the kind notice of Hon'ble Commission in the previous Petition.
11	Procurement of Water cooler for employees/workworn and Vehicle		46.21 [Common to Unit 1 to 5]	20.26	1,2,3,4,5	0	0	20.26	20.26		It is submitted that Tata Power had to incur an amount of about Rs. 2 Lakh towards procurement of water coolers for providing drinking waters to employees/workers in Coal Handling Areas which were far off from existing water cooler points and considering safety of the workers. Also, expenditure of Rs. 44.21 lakh has been incurred in FY 23 towards purchase of vehicle. In light of above, Tata Power humbly requests this Hon'ble Commission to kindly consider such expenditure for FY 2022-23
	Total	1982.76	2298.69	1801.10		913.60	471.82	158.55	-313.28		

In addition to above, the change in phasing and cost against scheme of 'CHP Dozer" has been submitted in the Q3 Add Cap Report for kind consideration of the Hon'ble Commission and is not repeated here for sake of brevity. Also, capitalization against the said scheme is scheduled for FY 24.

JPP/ 402/2023
30.09.2023

The Secretary
Jharkhand State Electricity Regulatory Commission
New Police Line Road, Opposite to C.M. House,
Kanke Road, Ranchi – 834001

Subject: Submission of Report on Additional Capitalization for Q1 FY 2023-24

Sir,

This is in reference to the Tariff Order dated 04.11.2022 in Case Tariff No. 10 of 2020 and the earlier Order dated 14.02.2020 in Case Tariff No. 1 of 2019, wherein Hon'ble Commission directed Tata Power to apprise Hon'ble Commission immediately about new addition/ increase in the scope of work during the execution of approved schemes. Directive of the Hon'ble Commission in this regard is reproduced below for ready reference:

> *"A 9: DIRECTIVES*
>
> ***New addition/ increase in the scope of work during the execution of approved schemes***
>
> *9.6 The Petitioner is hereby directed that during the execution of work pertaining to any preapproved schemes, any increase in the scope of work, procurement, services, price/cost etc. should be brought to the notice of the Commission immediately."*

It is submitted that Revised Capitalization Phasing for FY 2023-24 including proposal for few urgent schemes has already been submitted in APR Petition for FY 2022-23 along with justification. The above Petition is currently under active consideration of the Hon'ble Commission. Subsequent variations, if any, related to approved/new capex schemes compared to what had been submitted in the aforesaid Petition is provided in the enclosed Appendix alongwith justification for kind consideration of the Hon'ble Commission.

It may kindly be noted that this report is as per our provisional books of accounts, which is subject to change, if any, after audit.

Thanking you,

Yours Sincerely,

(Jagmit Singh Sidhu)
CEO-IEL & Chief - Jamshedpur Operation

TATA POWER
The Tata Power Company Limited
Jojobera Power Plant, Jamshedpur - 831016
Tel 91 657 2276879, 6511543
Registered Office Bombay House 24 Homi Mody Street Mumbai 400 001

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APPENDIX

Report on Revised Capex plan for the approved Scheme of 'Control Room AC System Unit #2 & 3":

1. The approval for this scheme was granted in MYT Order dated 04.11.2022 for estimated Capital Expenditure of Rs. 345 Lakh with phasing of Rs. 172.5 Lakh each in FY 21-22 and FY 22-23.
2. It is submitted that considering the price discovered for the proposed scheme and other subsequent developments, Tata Power in the Q4 report dated 30.06.2023, apprised Hon'ble Commission regarding the revised phasing and cost with justification compared to the approved proposal in the MYT Order.
3. In the said report, with regard to revision in cost, it was submitted that the proposed scheme is likely to be completed by FY 24 with proposed capitalizations of Rs. 518.5 Lakh compared to approval of Rs. 345 Lakh. Further, out of the revised Capex of Rs. 518.5 Lakh, Rs. 493.5 Crore was on account of discovered price for the AC System inclusive of taxes, duties, freight & contingency and remaining 25 Lakhs was estimated cost towards civil works and input power supply which is in the scope of Tata Power.
4. It is pertinent to mention that considering the cost yet to be discovered for some of the works, Tata Power, had sought liberty of the Hon'ble Commission to update on the final cost and phasing in subsequent reports, in case of any change in above schedule/cost due to bidding outcomes of these works/or any other unavoidable circumstances.
5. In his regard it is submitted that post bidding of the Unit 2&3 AC System, the successful bidder on 19.07.2023 shared the power requirement of the AC system including electrical load details i.e., the details of motors including its load for both main and standby loads. After receipt of the details, Tata Power evaluated the load requirements and explored the various possibilities to hookup the supply for the new AC System. The existing supply system which was available for Air Cooled AC system was envisaged to be utilized for the new system with certain modification. However, in view of the load requirements as shared by the successful bidder now, the existing supply was not sufficient to meet the load requirement of the new Chiller Water based AC System and the same was not within the control of Tata Power. The email dated 19.07.2023 is enclosed herewith for kind reference of the Hon'ble Commission and marked as **ANNEURE-1**.
6. In view of the above, the new Chiller Water based AC System, therefore, required additional source of power from nearest available source having sufficient capacity and redundancy. The sufficient capacity/bay was only available in the transformers/switch gear meant to supply power to ESP of Jojobera Unit 2 and 3 which is at a distance. This essentially required procurement and laying of Electrical Cables which is estimated to cost around Rs. 1.4 Crore in place of initial estimate of 25 Lakhs which was with an assumption that existing supply shall be utilized for power supply with some modification and civil foundation works which is in the scope of Tata Power. This has consequently led to an increase in the overall cost further by about Rs. 1.15 Crore which as elaborated above is beyond the control of Tata Power. However, cost for the above work is yet to be discovered and, hence, Tata Power requests liberty of the Hon'ble Commission to update on the actual discovered cost in the subsequent reports or the upcoming APR Petition for FY 2023-24.

7. In view of the above, the Petitioner most humbly requests the Hon’ble Commission to kindly consider the revised scope and corresponding Capex value for the Scheme of the new Chiller Water based AC System for Jojobera Units 2&3.

ANNEXURE-1

Kumar Dilip

Subject: Unit 2 & 3 AC system Project

From: Partha Das/EM & RBG/JAMSHEDPUR <parthadas@voltas.com>
Sent: Wednesday, July 19, 2023 2:53 PM
To: Kumar Pravin <kumarp@tatapower.com>
Cc: Debarshi Datta/EM & RBG/JAMSHEDPUR <debarshidatta@voltas.com>; Sujit Baral/EM&RBG/JAM <sujitbaral@voltas.com>; Suman Ghosh/EM & RBG/JAMSHEDPUR <sumanghosh@voltas.com>; Abid Iqbal/EM&RBG/JAMSHEDPUR <abidiqbal@voltas.com>; parwez alam <parwezann@gmail.com>; Ganesh Sorapalli <sorapalli.ganesh@tatapower.com>; Mishra Vijoy <mishravs@tatapower.com>; Suvojyoti Sinha/EM&RBG/JAM <suvojyotisinha@voltas.com>
Subject: Re: PO NO.:- 7500002368 & 5500009332 for Unit 2 & 3 AC system Project

[EXTERNAL sender, Exercise caution..!]

Sir,

As per discussion had with you on dated 18.07.2023 we have give our reply as per below mention point

Sr. No.	Review Point	Action by.	M/s Voltas Reply
1	Relocation of Condenser Pump from 28.5 Meter to 16.5 Meter. • **Please note Our Corporate Civil Team is allowing for Condenser Pump location at 16.5 Meter floor.**	M/s Voltas	We discussed this point with our designer but its not possible to change the location of Condenser pump. Kindly give your approval in our submitted drawing. However kindly started the civil foundation of Chiller. Chiller will reach the site within this month's end.
2	Relocation of MCC of Unit #2 & 3 Chiller system at the same floor i.e., at 16.5 Meter (Room physical dimension details captured during site visit).	M/s Voltas	We are waiting for Panel dimensions from the supplier. After receiving the

			dimension we will check the same and confirm to you.
3	Relocation of Electrical panel falls in line of Unit #2 Chiller water Line.	M/s Tata Power	
4	Confirmation of last pending point as per trailing mail dated:- 08.07.2023	M/s Voltas	Most of the points are already closed.
5	Review and confirmation of Unit 2 & 3 Control Room and NE AHU Dimension as per available site condition.	M/s Voltas	Note your requirement. But it needs some more time.
6	**Submission of Electrical load details.**	**M/s Voltas**	**Electrical Load sheet is attached in mail.**

Regards,

Partha Das
Asst Manager - CC Retrofit Execution, JMSD
Commercial Air-Conditioning Business

Voltas Limited (A TATA Enterprise)
Voltas House, 2nd Floor, Main Road Bistupur,
Jamshedpur - 831001.
Mobile +91-9883117574
CIN L29308MH1954PLC009371
parthadas@voltas.com | http://www.voltas.com

ANNEXURE-P11

Kumar Dilip

To: Bose Abhishek; Kumar Prabhakar
Subject: RE: Postponement of shutdown due to surge in Covid cases.--TPCL ASD plan in FY23

From: Saroj Kumar <saroj.kumar@tatasteel.com>
Sent: 03 February 2022 13:45
To: Goswami Chandra <chandra.goswami@tatapower.com>
Cc: Bose Abhishek <bosea@tatapower.com>; Hansdah Basudev <bhansdah@tatapower.com>; Kundan Kumar <Kumar.kundan@tatapower.com>; Uday Pratap Singh <udayp.singh@tatasteel.com>; Shoeb Ahmad <shoeb.ahmad@tatasteel.com>
Subject: FW: Postponement of shutdown due to surge in Covid cases.--TPCL ASD plan in FY23

[EXTERNAL sender, Exercise caution..!]

Dear Goswami da,

I have discussed the TPCL Unit ASD in FY23 with Chief ETD and having following comments

At Present , sequence of TPCL ASD would be

Unit#3 – Oct'22 (7 days)
Unit#5 –Nov'22 (~30 days)
Unit#4 –Dec'22 (~30 days)
PH#6 –Jan'23 (~30 days)---To be synch with HBF MSD

Today as discussed in reliability meeting with TPCL team , whether Unit#5 to be shift from last week of Oct'22 and then Unit#3 to ensure the Unit#5 reliability in sale island (During Unit#3 Shutdown).

Is any job to be done in Unit#5 in ASD to make at par with Unit#2 &3?

Request to give inputs by 4th Feb'22 positively

Regards,

Saroj Kumar
Head, LDC & Power Management
Electrical (T & D)
Tata Steel Limited
Inside TATA Steel Jamshedpur works | Jamshedpur 831 001
Tel +91-657 6645530 | Mobile +91-9234531298
saroj.kumar@tatasteel.com | http://www.tatasteel.com

Please Contribute to environmental protection, kindly print this e-mail only if required

From: Saurabh Goyal <saurabh.goyal@tatasteel.com>
Sent: 03 February 2022 12:57
To: Saroj Kumar <saroj.kumar@tatasteel.com>
Subject: FW: Postponement of shutdown due to surge in Covid cases.--TPCL ASD plan in FY23

Finalize sequence of Unit Shutdown in FY23…

Saurabh Goyal

Chief Electrical Transmission & Distribution
Tata Steel Limited | Jamshedpur 831 001| India
Ph. No: 0657-66-40500 (O) | 09234554225 (M)

From: Saroj Kumar <saroj.kumar@tatasteel.com>
Sent: Wednesday, January 19, 2022 3:20 PM
To: Goswami Chandra <chandra.goswami@tatapower.com>
Cc: Saurabh Goyal <saurabh.goyal@tatasteel.com>; Jagmit Singh Sidhu <singhjs@tatapower.com>; Hansdah Basudev <bhansdah@tatapower.com>; 'Bose Abhishek' <bosea@tatapower.com>; Uday Pratap Singh <udayp.singh@tatasteel.com>; Shoeb Ahmad <shoeb.ahmad@tatasteel.com>; Charan Das <charan.das@tatasteel.com>
Subject: RE: Postponement of shutdown due to surge in Covid cases.--TPCL ASD plan in FY23

Goswami ji,

As discussed , request to send the ASD plan of TPCL Unit in FY23 . Pls ensure only 3 units to be taken ASD in FY23.

Request to send your inputs because FY23 ABP process is started and we need to build the ASD plan by 24th Jan'22.

Regards,

Saroj Kumar
Head, LDC & Power Management
Electrical (T & D)
Tata Steel Limited
Inside TATA Steel Jamshedpur works | Jamshedpur 831 001
Tel +91-657 6645530 | Mobile +91-9234531298
saroj.kumar@tatasteel.com | http://www.tatasteel.com

Please Contribute to environmental protection, kindly print this e-mail only if required

---

From: Saroj Kumar
Sent: 10 January 2022 17:45
To: 'Goswami Chandra' <chandra.goswami@tatapower.com>
Cc: Saurabh Goyal <saurabh.goyal@tatasteel.com>; Jagmit Singh Sidhu <singhjs@tatapower.com>; bhansdah <bhansdah@tatapower.com>; 'Bose Abhishek' <bosea@tatapower.com>; Uday Pratap Singh <udayp.singh@tatasteel.com>; Shoeb Ahmad <shoeb.ahmad@tatasteel.com>
Subject: FW: Postponement of shutdown due to surge in Covid cases.--TPCL ASD plan in FY23 (DRAFT)

Dear Goswami da,

During weekly coal meeting , chaired by Chief ETD, it was discussed that all units can't be taken shutdown in FY23, some ASD must be shifted to FY24. Same has been also discussed with you.

Request you to relook and revert back.

This inputs are required to make the ABP for FY23.

Regards,

Saroj Kumar
Head, LDC & Power Management
Electrical (T & D)
Tata Steel Limited

Inside TATA Steel Jamshedpur works | Jamshedpur 831 001
Tel +91-657 6645530 | Mobile +91-9234531298
saroj.kumar@tatasteel.com | http://www.tatasteel.com

Please Contribute to environmental protection, kindly print this e-mail only if required

From: Saroj Kumar
Sent: 08 January 2022 19:33
To: 'Goswami Chandra' <chandra.goswami@tatapower.com>
Cc: bhansdah <bhansdah@tatapower.com>; Saurabh Goyal <saurabh.goyal@tatasteel.com>; Harendra Verma <harendra.verma@tatasteel.com>; 'Bose Abhishek' <bosea@tatapower.com>; Uday Pratap Singh <udayp.singh@tatasteel.com>
Subject: RE: Postponement of shutdown due to surge in Covid cases.--TPCL ASD plan in FY23 (DRAFT)

Goswami da,

Pls ignore the below mail , we shall discussed the TPCL unit ASD for FY23 in detailed in next week.

Regards,

Saroj Kumar
Head, LDC & Power Management
Electrical (T & D)
Tata Steel Limited
Inside TATA Steel Jamshedpur works | Jamshedpur 831 001
Tel +91-657 6645530 | Mobile +91-9234531298
saroj.kumar@tatasteel.com | http://www.tatasteel.com

Please Contribute to environmental protection, kindly print this e-mail only if required

From: Saroj Kumar
Sent: 07 January 2022 18:19
To: Goswami Chandra <chandra.goswami@tatapower.com>
Cc: bhansdah <bhansdah@tatapower.com>; Saurabh Goyal <saurabh.goyal@tatasteel.com>; Harendra Verma <harendra.verma@tatasteel.com>; Bose Abhishek <bosea@tatapower.com>; Uday Pratap Singh <udayp.singh@tatasteel.com>
Subject: RE: Postponement of shutdown due to surge in Covid cases.--TPCL ASD plan in FY23 (DRAFT)

Dear Goswami ji,

Pls find the below table of TPCL ASD in FY23 (draft) which is discussed today with TSL power house team.

	FY22-23									
Units	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan
Unit 1						30				
Unit 2										1
Unit 3					30					
Unit 4							30			
Unit 5									30	
PH#6								30		

Regards,

Saroj Kumar
Head, LDC & Power Management
Electrical (T & D)

S R B C & CO LLP
Chartered Accountants

22, Camac Street
3rd Floor, Block 'B'
Kolkata - 700 016, India
Tel : +91 33 6134 4000

Independent Auditor's Report on Statement of Unit wise addition to Property, Plant and Equipment (excluding CWIP) at Unit # 1, 2, 3 and 4 of Jojobera generation plant ('Jojobera Division') of The Tata Power Company Limited

To
The Board of Directors
The Tata Power Company Limited,
Bombay House,
24, Homi Mody Street,
Mumbai 400001.

1. This Report is issued in accordance with the terms of our service scope letter dated August 16, 2023 read with Master Engagement Agreement dated July 20, 2022 with The Tata Power Company Limited (hereinafter the "Company") having its Registered Office at Bombay House, 24, Homi Mody Street, Mumbai 400001, for the year ended 31st March 2023.

2. At the request of the management, we have examined the attached "Statement of Unit wise addition to Property, Plant and Equipment (excluding CWIP) at Unit # 1, 2, 3 and 4 of Jojobera generation plant ('Jojobera Division')" of the Company (hereinafter referred as the "Statement"), prepared by the Company based on books of accounts and other relevant records and documents underlying the audited standalone financial statements of the Company for the year ended March 31, 2023, which we have initialed for identification purposes only. This Report and the Statement are required by the Company for submission to Jharkhand State Electricity Regulatory Commission (JSERC) for the purpose of true up of tariff for the year ended March 31, 2023 required under para 23.5 read with para 25.2 of JSERC (Terms and Conditions for Determination of Generation Tariff) Regulations, 2020

Management's Responsibility for the Statement

3. The preparation of the accompanying Statement is the responsibility of the Management of the Company including the preparation and maintenance of all accounting and other relevant supporting records and documents. This responsibility also includes the design, implementation and maintenance of internal control relevant to the preparation and presentation of the Statement and applying an appropriate basis of preparation and making estimates that are reasonable in the circumstances.

4. The Management is also responsible for ensuring that the Company complies with the requirements of JSERC required for determination of the tariff and provides all relevant information to the Commission.

Auditor's Responsibility for the Statement

5. Pursuant to the request of the Company for its onward submission to JSERC as mentioned in paragraph 2 above, it is our responsibility to provide a limited assurance based on our examination whether total additions to Property, Plant and Equipment (excluding CWIP) at Jojobera division for the year ended March 31, 2023 as stated in the Statement have been extracted from the relevant books of accounts and records underlying the audited standalone financial statements for the year ended March 31, 2023.

S R B C & CO LLP Kolkata

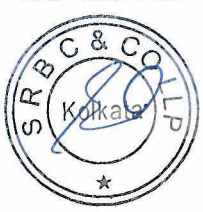
6. We have audited the standalone financial statements of the Company for the year ended March 31, 2023, on which we have issued an unmodified opinion vide our report dated May 4, 2023. Our audit of the standalone financial statements was conducted in accordance with the Standards on Auditing, as specified under section 143(10) of the Companies Act 2013 and other applicable authoritative pronouncement issued by the Institute of Chartered Accountants of India ("ICAI"). Those Standards require that we plan and perform the audit to obtain reasonable assurance about whether the standalone financial statements are free of material misstatement. Our audits were not planned and performed in connection with any transactions to identify matters that may be of potential interest to third parties.

7. We conducted our examination of the Statement in accordance with the Guidance Note on Reports or Certificates for Special Purposes (revised) issued by the Institute of Chartered Accountants of India ("ICAI"). The Guidance Note requires that we comply with the ethical requirements of the Code of Ethics issued by the Institute of Chartered Accountants of India.

8. We have complied with the relevant applicable requirements of the Standard on Quality Control (SQC) 1, Quality Control for Firms that Perform Audits and Reviews of Historical Financial Information, and Other Assurance and Related Services Engagements.

9. A limited assurance engagement involves performing procedures to obtain sufficient appropriate evidence on the reporting criteria mentioned in paragraph 5 above. The procedure performed vary in nature and timing from and are less extent that for, a reasonable assurance. Consequently, the level of assurance obtained is substantially lower than the assurance that would have been obtained had we performed a reasonable assurance engagement. Accordingly, we have performed the following procedures in relation to the Statement:

   a) Obtained the statement containing details of additions to Property, Plant and Equipment for the year ended March 31, 2023 from the management of the Company.
   b) Obtained the Fixed Assets Register as maintained by the company in its ERP system, which contains details of unit wise/class wise addition to Property, Plant and Equipment for the year.
   c) Made corroborative enquiries with management and noted the controls around recording of addition to Property, Plant and Equipment and the unit wise identification of such addition. Noted that the Company uses SAP R/3 ERP system and unique cost centers are used to identify individual units.
   d) Traced the total additions as per ERP system with that of the statement obtained from the management.
   e) Verified the capitalization date on the sample basis from the asset acquisition report.
   f) Tested the arithmetical and clerical accuracy of the Statement.
   g) Performed necessary inquires with the management and obtained necessary representations. The management has represented to us that the Company has complied with the requirements of the JSERC and has provided all relevant information in respect of additions made to Property, Plant and Equipment during the financial year stated above. We have relied on the same and have not performed any independent procedures on the same.
   h) The above-mentioned procedures include examining evidence on a test basis supporting the particulars in this Statement. Further, our scope of work did not involve us performing audit test for the purposes of expressing an opinion on the fairness or



accuracy of any of the financial information or the standalone financial statements of the Company taken as a whole.

10. The Property, Plant and Equipment of the unit are accounted for as Finance lease receivables as per Ind AS 116 Leases and is included in note no. 10 of the Company audited standalone financial statements for the year ended 31st March 2023.

Conclusion

11. Based on the procedures performed by us as referred to in paragraph 9 above and according to the information, explanation and management representations received by us, nothing has come to our attention that causes us to believe that the Statement showing Unit wise addition to Property, Plant and Equipment (excluding CWIP) at Unit # 1, 2, 3 and 4 of Jojobera generation plant ('Jojobera Division') have not been accurately extracted from the relevant books of accounts and records underlying the audited standalone financial statements for the year ended March 31, 2023.

Restriction on Use

12. This report is addressed to and provided to the Board of Directors of the Company solely for the purpose mentioned in paragraph 2 above and should not be used by any other person or for any other purpose. Accordingly, we do not accept or assume any liability or any duty of care for any other purpose or to any other person to whom this report is shown or into whose hands it may come without our prior consent in writing. We have no responsibility to update this report for events and circumstances occurring after the date of this report.

For S R B C & CO LLP
Chartered Accountants
ICAI Firm Registration Number: 324982E/E300003

per Sanjay Agarwal
Partner
UDIN No: 23055833BGXYKH8385
Membership Number: 055833

Place of Signature: Kolkata
Date: November 17, 2023

Statement of Unit wise additions as per fixed assets register but not forming part of Property, Plant and Equipment (excluding CWIP) at unit # 1, 2, 3 and 4 of Jojobera generation plant ("Jojobera division")

SL NO.	ASSET NO.	DATE	ASSET DESCRIPTION	TOTAL VALUE	U1	U2	U3	U4	COMMON
1	125002549	28-02-2023	Boiler Feed Pump	18,08,984	-	-	18,08,984	-	-
2	125002907	31-03-2023	UNIT #2 TURBINE AND GENERATOR BEARINGS	36,89,583	-	36,89,583	-	-	-
3	125003215	28-02-2023	UPGRADATION OF ASH SLURRY PIPE	1,50,65,252	1,50,65,252	-	-	-	-
4	130000618	28-02-2023	145KV LIVE TANK CTS 1000/1 FOR LINES AND BS	30,82,391	30,82,391	-	-	-	-
5	125003230	31-03-2023	CHP PLC	1,48,66,898	-	-	-	-	1,48,66,898
1	145001860	31-03-2023	AIR CONDITIONER 2TR CHP PLC PANEL ROOM-3	35,200	-	-	-	-	35,200
2	145001861	31-03-2023	AIR CONDITIONER 2TR CHP PLC PANEL ROOM-3	35,200	-	-	-	-	35,200
3	145001862	31-03-2023	AIR CONDITIONER 2TR CHP PLC PANEL ROOM-3	35,200	-	-	-	-	35,200
4	158015639	31-03-2023	ACER TRAVELMATE P214-53,JAY PRAKASH,UNVTKSI1013010	69,699	69,699	-	-	-	-
5	158015640	31-03-2023	ACER TRAVELMATE P214-53,SHAILESH DUBEY,UNVTKSI1013	69,699	69,699	-	-	-	-
6	158015641	31-03-2023	ACER TRAVELMATE P414-51,D K SINGH,UNVPDSI0463010C6	78,184	78,184	-	-	-	-
7	158015642	31-03-2023	ACER TRAVELMATE P414-51,JAIGOPAL SONI,UNVPDSI04630	78,184	78,184	-	-	-	-
8	158015643	31-03-2023	ACER TRAVELMATE P414-51,URANJAN CHATTOPADHYAY,UNVP	78,184	78,184	-	-	-	-
9	158015644	31-03-2023	ACER TRAVELMATE P414-51,KANDERAM GAGRAI,UNVPDSI046	78,184	78,184	-	-	-	-
10	158015645	31-03-2023	ACER TRAVELMATE P414-51,SUDIP KHAN,UNVPDSI0463010C	78,184	78,184	-	-	-	-
11	158015646	31-03-2023	ACER TRAVELMATE P214-53,SAYAK KUMAR DUTTA,UNVTKSI1	69,699	69,699	-	-	-	-
12	158015647	31-03-2023	ACER TRAVELMATE P214-53,BINITA TIRKEY,UNVTKSI10130	69,699	69,699	-	-	-	-
13	158015648	31-03-2023	ACER TRAVELMATE P214-53,GOLAK B SAHOO,UNVTKSI10130	69,699	69,699	-	-	-	-
14	158015649	31-03-2023	ACER TRAVELMATE P214-53,SANJEEV KUMAR,UNVTKSI10130	69,699	69,699	-	-	-	-
15	158015650	31-03-2023	ACER TRAVELMATE P214-53,SUBHAM SHAW,UNVTKSI1013010	69,699	69,699	-	-	-	-
16	158015651	31-03-2023	ACER TRAVELMATE P214-53,NILAMANI ROUT ,UNVTKSI1013	69,699	69,699	-	-	-	-
17	173006414	31-03-2023	WATER COOLOER 40/80 LTRS NEAR WHITE HOUSE BUILDING	98,412	-	-	-	-	98,412
18	173006415	31-03-2023	WATER COOLOER 150 LTRS CHP OFFICE JOJOBERA	1,01,480	-	-	-	-	1,01,480
19	177000961	31-03-2023	SKODA KODIAQ L&K 2.0 TSI HANSDAH BASU DKZ-300826	44,21,403	-	-	-	-	44,21,403
			Total Value	4,41,88,513	1,90,96,152	36,89,583	18,08,984	-	1,95,93,793

Note-

1 The above details have been extracted from the fixed assets register but not forming part of Property plant and equipment.

2 The amount included in the annexure above is as recorded by the management in the respective cost centre in SAP ERP. The management has extracted this from cost centre report from the ERP and auditors have relied on the same.

For and on behalf of The Tata Power Company Limited

Authorised Signatory
Place : Jojobera
Date : 17.11.2023

The Tata Power Co. Ltd. * Jamshedpur-15 *

Jagmit Singh Sidhu
CEO - IEL & Chief - Jamshedpur Operations
The Tata Power Company Ltd.
Jamshedpur-831016

S R B C & CO LLP
Kolkata

TATA POWER
The Tata Power Company Limited
Jojobera Power Plant, Jamshedpur 831016
Tel 91 657 2276879, 6511543
Registered Office Bombay House 24 Homi Mody Street Mumbai 400 001

S R B C & CO LLP
Chartered Accountants

22, Camac Street
3rd Floor, Block 'B'
Kolkata - 700 016, India
Tel : +91 33 6134 4000

Independent Auditor's Report on Statement of Unit wise deletion (gross value) as per fixed assets register but not forming part of Property, plant and equipment at unit # 1, 2, 3 and 4 of Jojobera generation plant ("Jojobera division") of The Tata Power Company Limited

To
The Board of Directors,
The Tata Power Company Limited,
Bombay House,
24, Homi Mody Street,
Mumbai 400001.

1. This Report is issued in accordance with the terms of our service scope letter dated August 16, 2023 read with Master Engagement Agreement dated July 20, 2022 with The Tata Power Company Limited (hereinafter the "Company") having its Registered Office at Bombay House, 24, Homi Mody Street, Mumbai 400001, for the year ended 31st March 2023.

2. At the request of the management, we have examined the attached "Statement of Unit wise deletion (gross value) as per fixed assets register but not forming part of Property, plant and equipment at unit # 1, 2, 3 and 4 of Jojobera generation plant ("Jojobera division")" of the Company (hereinafter referred as the "Statement"), prepared by the Company based on books of accounts and other relevant records and documents underlying the audited standalone financial statements of the Company for the year ended March 31, 2023, which we have initialed for identification purposes only. This report and the Statement are required by the Company for submission to Jharkhand State Electricity Regulatory Commission (JSERC) for the purpose of true up of tariff for the year ended March 31, 2023 required under para 23.5 read with para 25.2 of JSERC (Terms and Conditions for Determination of Generation Tariff) Regulations, 2020.

Management's Responsibility for the Statement

3. The preparation of the accompanying Statement is the responsibility of the Management of the Company including the preparation and maintenance of all accounting and other relevant supporting records and documents. This responsibility also includes the design, implementation and maintenance of internal control relevant to the preparation and presentation of the Statement and applying an appropriate basis of preparation and making estimates that are reasonable in the circumstances.

4. The Management is also responsible for ensuring that the Company complies with the requirements of JSERC required for determination of the tariff and provides all relevant information to the Commission.

Auditor's Responsibility for the Statement

5. Pursuant to the request of the Company for its onward submission to JSERC as mentioned in paragraph 2 above, it is our responsibility to provide a limited assurance based on our examination whether total deletion (gross value) as per fixed assets register at Jojobera division for the year ended March 31, 2023 as stated in the Statement have been extracted from the relevant books of accounts and records underlying the audited standalone financial statements for the year ended March 31, 2023.

S R B C & CO LLP Kolkata

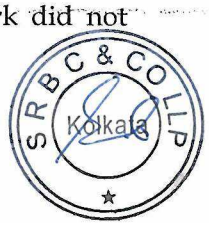
6. We have audited the standalone financial statements of the company for the year ended March 31, 2023, on which we have issued an unmodified opinion vide our report dated May 4, 2023. Our audit of the standalone financial statements was conducted in accordance with the Standards on Auditing, as specified under section 143(10) of the Companies Act 2013 and other applicable authoritative pronouncement issued by the Institute of Chartered Accountants of India ("ICAI"). Those Standards require that we plan and perform the audit to obtain reasonable assurance about whether the standalone financial statements are free of material misstatement. Our audits were not planned and performed in connection with any transactions to identify matters that may be of potential interest to third parties.

7. We conducted our examination of the Statement in accordance with the Guidance Note on Reports or Certificates for Special Purposes (revised) issued by the Institute of Chartered Accountants of India ("ICAI"). The Guidance Note requires that we comply with the ethical requirements of the Code of Ethics issued by the Institute of Chartered Accountants of India.

8. We have complied with the relevant applicable requirements of the Standard on Quality Control (SQC) 1, Quality Control for Firms that Perform Audits and Reviews of Historical Financial Information, and Other Assurance and Related Services Engagements.

9. A limited assurance engagement involves performing procedures to obtain sufficient appropriate evidence on the reporting criteria mentioned in paragraph 5 above. The procedure performed vary in nature and timing from and are less extent that for, a reasonable assurance. Consequently, the level of assurance obtained is substantially lower than the assurance that would have been obtained had we performed a reasonable assurance engagement. Accordingly, we have performed the following procedures in relation to the Statement:

   a) Obtained the statement containing details of deletion as per fixed assets register for the year ended March 31, 2023 from the management of the Company.
   b) Obtained the fixed assets register as maintained by the company in its ERP system, which contains details of unit wise/class wise deletions to Property, Plant and Equipment for the year.
   c) Made corroborative enquiries with management and noted the controls around recording of deletions to Property, Plant and Equipment in the fixed assets register and the unit wise identification of such deletion. Noted that the Company uses SAP R/3 ERP system and unique cost centres are used to identify individual units.
   d) Traced the total deletions as per ERP system with that of the statement obtained from the management.
   e) Verified the decapitalization date on the sample basis from the asset retirement report.
   f) Tested the arithmetical and clerical accuracy of the Statement.
   g) Performed necessary inquires with the management and obtained necessary representations. The management has represented to us that the Company has complied with the requirements of the JSERC and has provided all relevant information in respect of deletions made to Property, Plant and Equipment during the financial year stated above. We have relied on the same and have not performed any independent procedures on the same.
   h) The above-mentioned procedures include examining evidence on a test basis supporting the particulars in this Statement. Further, our scope of work did not



involve us performing audit test for the purposes of expressing an opinion on the fairness or accuracy of any of the financial information or the standalone financial statements of the Company taken as a whole.

10. The Property, Plant and Equipment of the units are accounted for as Finance lease receivables as per Ind AS 116 Leases and is included in note no. 10 of the Company audited standalone financial statements for the year ended March 31, 2023.

Conclusion

11. Based on the procedures performed by us as referred to in paragraph 9 above and according to the information, explanation and management representations received by us, nothing has come to our attention that causes us to believe that the Statement showing Unit wise deletion (gross value) as per fixed assets register at Unit # 1, 2, 3 and 4 of Jojobera generation plant ('Jojobera Division') have not been accurately extracted from the relevant books of account and records underlying the audited standalone financial statements for the year ended March 31, 2023.

Restriction on Use

12. This report is addressed to and provided to the Board of Directors of the Company solely for the purpose mentioned in paragraph 2 above and should not be used by any other person or for any other purpose. Accordingly, we do not accept or assume any liability or any duty of care for any other purpose or to any other person to whom this report is shown or into whose hands it may come without our prior consent in writing. We have no responsibility to update this report for events and circumstances occurring after the date of this report.

For S R B C & CO LLP
Chartered Accountants
ICAI Firm Registration Number: 324982E/E300003

per Sanjay Agarwal
Partner
UDIN No: 23055833BGXYKI1988
Membership Number: 055833

Place of Signature: Kolkata
Date: November 17, 2023

Statement of Unit wise deletion (gross value) as per fixed assets register but not forming part of Property, plant and equipment at unit # 1, 2, 3 and 4 of Jojobera generation plant ("Jojobera division")

(Amount in Rs)

SL NO.	DATE	ASSET NO.	ASSET DESCRIPTION	TOTAL GROSS VALUE	(Gross value) U1	(Gross value) U2	(Gross value) U3	(Gross value) U4	(Gross value) COMMON
1	09-03-2023	125002388	Thermal Generation Plant and Machinery for unit 3	3,00,61,712	-	-	3,00,61,712	-	-
2	28-03-2023	158006205	Laptop Toshiba 4GB inteli5 500GB	45,150	-	45,150	-	-	-
3	28-03-2023	158006206	Laptop Toshiba 4GB inteli5 500GB	45,150	-	45,150	-	-	-
4	29-04-2022	158006227	Laptop Toshiba 4GB inteli5 500GB	45,150	-	-	45,150	-	-
5	10-03-2023	158006228	Laptop Toshiba 4GB inteli5 500GB	45,150	-	-	45,150	-	-
6	28-03-2023	158006236	Laptop Toshiba 4GB inteli5 500GB	45,150	-	-	45,150	-	-
7	18-08-2023	158006238	Laptop Toshiba 4GB inteli5 500GB	45,150	-	-	45,150	-	-
8	26-03-2023	158006253	Laptop Toshiba 4GB inteli5 500GB	45,150	-	-	45,150	-	-
9	10-03-2023	158006347	Laptop Toshiba 4GB inteli5 500GB	45,150	-	45,150	-	-	-
10	31-07-2022	158006371	Laptop Toshiba 4GB inteli5 500GB	45,150	-	45,150	-	-	-
11	28-03-2023	158006379	Laptop Toshiba 4GB inteli5 500GB	45,150	-	-	-	45,150	-
12	28-03-2023	158006401	Laptop Toshiba 4GB inteli5 500GB	45,150	-	-	-	45,150	-
13	21-09-2022	158010841	LAP-TOP ACCER-SHIBANJAN KAR-202555-L4199	45,418	-	-	-	-	45,418
14	26-03-2023	158011010	DELL LAPTOP L3953 ANSHUK DE	53,780	-	53,780	-	-	-
15	31-07-2022	158011292	DELL LATTUDE 3490 LAPTOP L4674	57,282	-	57,282	-	-	-
16	30-12-2022	158011325	DELL LATTUDE 3490 LAPTOP L4441 Pankaj Biswas	57,282	-	57,282	-	-	-
17	05-01-2023	158011335	DELL LATTUDE 3490 LAPTOP L4451 Subhra Chatterjee	57,282	-	57,282	-	-	-
18	29-09-2022	158011337	DELL LATTUDE 3490 LAPTOP L4667	57,580	-	57,580	-	-	-
19	30-07-2022	158012123	HP 440,PRIYANKA KUMARI,LT003380	58,823	58,823	-	-	-	-
20	18-08-2022	158012154	HP 440,RAKESH MOHAPATRA,LT003304	58,823	58,823	-	-	-	-
21	18-07-2022	158012968	HP 440,AKANCHA VERMA,LT003389	58,823	58,823				
22	12-07-2022	158009075	LAPTOP DELL 3450-L3488 Ghanshyam Krishna	42,189					42,189
TOTAL VALUE				3,11,05,644	1,76,469	4,63,805	3,02,87,462	90,300	87,608

Note-

1 The above details have been extracted from the fixed assets register but not forming part of Property plant and equipment.

2 The amount included in the annexure above is as recorded by the management in the respective cost centre in SAP ERP. The management has extracted this from cost centre report from the ERP and auditors have relied on the same.

For and on behalf of The Tata Power Company Limited

Authorised Signatory
Place : Jojobera
Date : 17.11.2023

The Tata Power Co. Ltd. Jamshedpur-16

Jagmit Singh Sidhu
CEO - IEL & Chief - Jamshedpur Operations
The Tata Power Company Ltd.
Jamshedpur-831016

SRBC & CO LLP Kolkata

TATA POWER
The Tata Power Company Limited
Jojobera Power Plant, Jamshedpur - 831016
Tel 91 657 2276879, 6511543
Registered Office Bombay House 24 Homi Mody Street Mumbai 400 001

ANNEXURE-P14

Particular	FY 2015-16	FY 2016-16	FY 2017-18	FY 2018-19	FY 2019-20	FY 2020-21	FY 2021-22	FY 2022-23
Inflation Factor	1.46%	3.05%	3.01%	4.92%	4.90%	**3.34%**	**8.67%**	**7.56%**
Wtg. Avg.	**3.47%**							

WPI	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	**Average**	
FY 2022-23	152.30	155.00	155.40	154.00	153.20	151.90	152.90	152.50	150.50	150.70	150.90	151.00	152.53	**9.41%**
FY 2021-22	132.00	132.90	133.70	135.00	136.20	137.40	140.70	143.70	143.30	143.80	145.30	148.90	139.41	**13.00%**
FY 2020-21	119.20	117.50	119.30	121.00	122.00	122.90	123.60	125.10	125.40	126.50	128.10	129.90	123.38	**1.29%**
FY 2019-20	121.10	121.60	121.50	121.30	121.50	121.30	122.00	122.30	123.00	123.40	122.20	120.40	121.80	**1.68%**
FY 2018-19	117.30	118.30	119.10	119.90	120.10	120.90	122.00	121.60	119.70	119.20	119.50	119.90	119.79	**4.28%**
FY 2017-18	113.20	112.90	112.70	113.90	114.80	114.90	115.60	116.40	115.70	116.00	116.10	116.30	114.88	**2.92%**
FY 2016-17	109.00	110.40	111.70	111.80	111.20	111.40	111.50	111.90	111.70	112.60	113.00	113.20	111.62	**1.73%**
FY 2015-16	110.20	111.40	111.80	111.10	110.00	109.90	110.10	109.90	109.40	108.00	107.10	107.70	109.72	**-3.65%**
FY 2014-15	114.10	114.80	115.20	116.70	117.20	116.40	115.60	114.10	112.10	110.80	109.60	109.90	113.88	

CPI	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	**Average**	
FY 2022-23	367.78	371.52	372.10	374.11	374.98	378.14	381.60	381.60	381.02	382.46	382.18	383.90	377.62	**6.05%**
FY 2021-22	345.89	347.33	350.50	353.66	354.24	355.10	359.71	362.02	361.15	360.29	360.00	362.88	356.06	**5.13%**
FY 2020-21	329.00	330.00	332.00	336.00	338.00	340.13	344.16	345.31	342.14	340.42	342.72	344.45	338.69	**5.02%**
FY 2019-20	312.00	314.00	316.00	319.00	320.00	322.00	325.00	328.00	330.00	330.00	328.00	326.00	322.50	**7.53%**
FY 2018-19	288.00	289.00	291.00	301.00	301.00	301.00	302.00	302.00	301.00	307.00	307.00	309.00	299.92	**5.45%**
FY 2017-18	277.00	278.00	280.00	285.00	285.00	285.00	287.00	288.00	286.00	288.00	287.00	287.00	284.42	**3.08%**
FY 2016-17	271.00	275.00	277.00	280.00	278.00	277.00	278.00	277.00	275.00	274.00	274.00	275.00	275.92	**4.12%**
FY 2015-16	256.00	258.00	261.00	263.00	264.00	266.00	269.00	270.00	269.00	269.00	267.00	268.00	265.00	**5.65%**
FY 2014-15	242.00	244.00	246.00	252.00	253.00	253.00	253.00	253.00	253.00	254.00	253.00	254.00	250.83	

Conversion Factor **2.88**

S R B C & CO LLP
Chartered Accountants

22, Camac Street
3rd Floor, Block 'B'
Kolkata - 700 016, India
Tel : +91 33 6134 4000

Independent Auditors' Report on Statement of Profit and Loss for the year ended March 31, 2023 of Unit 2 of Jojobera division of The Tata Power Company Limited

To
The Board of Directors
The Tata Power Company Limited,
Bombay House,
24, Homi Mody Street,
Mumbai 400001.

1. This Report is issued in accordance with the terms of our service scope letter dated August 16, 2023 read with Master Engagement Agreement dated July 20, 2022 with The Tata Power Company Limited (hereinafter the "Company") having its Registered Office at Bombay House, 24, Homi Mody Street, Mumbai 400001, for the year ended 31st March 2023.

2. At the request of the Company, we have examined the attached "Statement of Profit and Loss for the year ended March 31, 2023 of Unit 2 of Jojobera division of the Company" (hereinafter referred to as the 'Annexure - 1') read with notes thereon, prepared by the Company based on books of accounts and other relevant records and documents underlying the audited standalone financial statements of the Company for the year ended March 31, 2023, which we have initialled for identification purpose only. This Report and the Annexure 1 are required by the Company for submission to Jharkhand State Electricity Regulatory Commission (JSERC) for the purpose of true up of tariff for the year ended March 31, 2023 required under JSERC (Terms and Conditions for Determination of Generation Tariff) Regulations, 2020. Unit 2 is regulated by JSERC.

Management's Responsibility for the Annexure 1

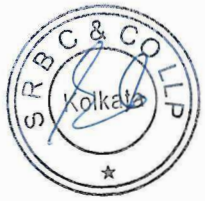
3. The accompanying Annexure 1 is the responsibility of the management of the Company including the preparation and maintenance of all accounting and other relevant supporting records and documents. This responsibility includes the design, implementation and maintenance of internal control relevant to the preparation and presentation of the annexure and applying an appropriate basis of preparation; and making estimates that are reasonable in the circumstances.

4. The Company's management is also responsible for ensuring that the Company complies with the requirements of all the relevant regulations and for providing all relevant information to the Jharkhand State Electricity Regulatory Commission as required for determination of the tariff.

Auditor's Responsibility

5. Our responsibility is to provide a limited assurance whether the Statement of profit and loss of Unit 2 of Jojobera division of the Company has been extracted from the books of accounts underlying the audited standalone financial statements as at and for the year ended March 31, 2023.

6. The audited standalone financial statements referred to in paragraph 5 above, have been audited by us, on which we issued an unmodified audit opinion vide our report dated May 04, 2023. Our audit of these financial statements were conducted in accordance with the Standards on Auditing,



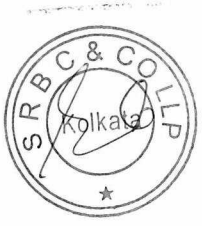
as specified under Section 143(10) of the Companies Act, 2013 and other applicable authoritative pronouncements issued by the Institute of Chartered Accountants of India. Those Standards require that we plan and perform the audit to obtain reasonable assurance about whether the financial statements are free of material misstatement.

7. We conducted our examination of the Annexure 1 in accordance with the Guidance Note on Reports or Certificates for Special Purposes issued by the Institute of Chartered Accountants of India. The Guidance Note requires that we comply with the ethical requirements of the Code of Ethics issued by the Institute of Chartered Accountants of India.

8. We have complied with the relevant applicable requirements of the Standard on Quality Control (SQC) 1, Quality Control for Firms that Perform Audits and Reviews of Historical Financial Information, and Other Assurance and Related Services Engagements.

9. A limited assurance engagement involves performing procedures to obtain sufficient appropriate evidence on the Reporting Criteria mentioned in paragraph 5 above. The procedures performed vary in nature and timing from, and are less extent than for, a reasonable assurance. Consequently, the level of assurance obtained is substantially lower than the assurance that would have been obtained had a reasonable assurance engagement been performed. We have performed the following procedures in relation to the Annexure-1:

   a) Obtained the Trial balance of Jojobera division containing the cost-centre wise break-up of income and expenses for the year ended March 31, 2023 and verified the directly identifiable items of income or expense for the Unit 2 cost centre as included in Annexure 1;
   b) Obtained invoices for sale of electricity raised for each unit of the Jojobera division and verified the reconciliation of the same with the revenue from "Operation Management Services- Assets Under Lease" for the Jojobera division as included in the audited standalone financial statements of the Company as at and for the year ended March 31, 2023.
   c) Verified the revenue from "Operation Management Services- Assets Under Lease" reported in the Annexure 1 for Unit 2 and noted that the same are in accordance with the revenue recognition principles prescribed by Ind AS;
   d) Obtained the finance lease working for Unit 2 of Jojobera division and verified the "Operating income- Income from Finance Lease" as reported in the Annexure 1.
   e) As informed by the management, the Jojobera division identifies and records direct income and expenses relating to the respective units by using unique cost centre assigned to the respective units. In respect of the income and expenses booked in common cost centres, verified the allocation principles and ensured that the allocation principles are consistent with previous years;
   f) Made corroborative enquiries to understand the controls around booking of income and expenses;
   g) Verified the arithmetical accuracy of the Annexure 1 by making independent computation of the allocation;
   h) Obtained necessary representations from management.



S R B C & CO LLP
Chartered Accountants

Conclusion

10. Based on the procedures performed by us as stated in paragraph 9 above, nothing has come to our attention that causes us to believe that the Statement of profit and loss of Unit 2 of Jojobera division of the Company during the year ended March 31, 2023 has not been accurately extracted from the books of accounts underlying the audited standalone financial statements as at and for the year ended March 31, 2023.

Restriction on Use

11. This report has been issued at the request of the Company to be submitted to Jharkhand State Electricity Regulatory Commission and is not to be used for any other purpose or to be distributed to any other parties. Accordingly, we do not accept or assume any liability or any duty of care for any other purpose or to any other person to whom this report is shown or into whose hands it may come without our prior consent in writing. We have no responsibility to update this report for events and circumstances occurring after the date of this report.

For S R B C & CO LLP
Chartered Accountants
ICAI Firm Registration Number: 324982E/E300003

per Sanjay Agarwal
Partner
Membership Number: 055833
UDIN No: 23055833BGXYKL7861

Place: Kolkata
Date: November 22, 2023

ANNEXURE 1

PROFIT AND LOSS STATEMENT OF JOJOBERA 120 MW , UNIT NO 2 FOR THE FINANCIAL YEAR ENDED 31ST MARCH, 2023
(Division of The Tata Power Company Limited)

Sl.no	Particulars	Amount (Rs.)
A	**REVENUE (Refer Note 1)**	
	Operation Management Services- Assets Under Lease	2,94,81,03,060
	Operating Income- Income from Finance Lease	22,13,00,000
	Operating Income- Others	1,86,29,365
	Other Income	16,772
	TOTAL REVENUE (A)	**3,18,80,49,197**
B	**EXPENSES (Refer Note1,2,3 &4)**	
	Cost of Fuel	2,43,57,97,382
	Employee Benefit Expenses	9,26,82,457
	Finance Cost	11,61,519
	Consumption of Stores, Oil, etc	2,34,88,356
	Rental of Land, Buildings, Plant and Equipment, etc	9,84,016
	Repairs and Maintainence	9,55,99,501
	Rates and Taxes	35,29,981
	Raw water Expenses	5,38,40,009
	Insurance	96,59,094
	Other Operation Expenses	2,24,11,885
	Provision for Doubtful Debt	2,34,31,564
	Ash Disposal Expenses	2,70,49,803
	Travelling and Conveyance Expenses	32,48,355
	Auditors Remuneration	89,000
	Cost of Services Procured	1,39,08,725
	Miscellaneous Expenses	89,70,804
	Allocation of Head Office expenses	9,55,46,894
	TOTAL EXPENSES (B)	**2,91,13,99,348**
	PROFIT BEFORE TAX (A-B)	**27,66,49,849**

Notes:

1) The Jojobera division of the Company has four units- Units 1 and 4 are non-regulated and Units 2 and 3 are regulated. The division identifies and records direct income and expenses relating to the respective units by using unique cost centre assigned to the respective units. All other common costs are allocated to the respective unit on the basis as below. The above statement has been prepared on the basis of the income and expenses appearing in the books of the Jojobera division and the Company's Head Office.

Note references	Principles of allocation
Revenue from Operation Management Services- Assets Under Lease,Operating Income-Income from Finace Lease and Cost of Fuel	Directly identifiable income or expenses to the respective units.
Operating Income-Others,Other income,Finance Cost	Production capacity of the plants.
Operating Income-Sale of fly Ash	Coal Consumed
Ash Disposal Expenses	Coal Consumed
Employee Benefit Expenses	Production staff on capacity of the plants and support staff equally among the units. Production and support staff comprises 83% and 17% respectively of the total employee headcount at Jojobera division.
Consumption of Stores,Oil etc,Repairs and Maintainence	Directly identifiable expenses to the respective units and common costs on production capacity of the plants.
Rental of Land,Building,Plant and Equipment ,etc	Equally among the units
Rates and Taxes,Other Operation Expenses,Travelling and Conveyance Expenses,Auditors Remuneration,Cost of Services Procured,Prov for Doubtful Debts/ Advances(Net),Miscellaneous Expenses.	Directly identifiable expenses to the respective units and common costs equally among the units.
Raw water Expenses	Refer Note 2 below
Insurance	Gross block of assets of the units
Allocation of Head Office expenses	Refer Note 3 below

2) Raw water has been allocated based on actual generation of power. For better presentation purpose, it has been shown separately from Rates and Taxes .

3) Head Office expenses have been allocated to Jojobera location by the management based on the proportion of revenue of the Jojobera location to the operating revenue of the Company. The HO expenses are then allocated to the respective units based on the revenue of each unit for FY 2021-22. The basis of allocation have been relied upon by the auditors.

4) The Company estimates that there are no significant costs or income other than the above, that can be fairly attributed to this unit.

5) Consequent to adoption of Indian Accounting Standards (Ind AS) with a transition date of 1 April, 2017 , in accordance with requirements of Ind AS 116 - Leases, the Power Purchase agreements entered into by the Company with Tata Steel Limited have been classified as "Arrangements in the nature of lease" and consequently property, plant and equipment have been derecognised and finance lease receivable has been accounted for.

SRBC & COLLP Kolkata

Date 22.11.2023

The Tata Power Company Limited Mumbai

Certified true and correct
For and on behalf of
The Tata Power Company Limited
by their Constituted Attorney

Printed on 100 % Recycled Paper

S R B C & CO LLP
Chartered Accountants

22, Camac Street
3rd Floor, Block 'B'
Kolkata - 700 016, India
Tel : +91 33 6134 4000

Independent Auditors' Report on Statement of Profit and Loss for the year ended March 31, 2023 of Unit 3 of Jojobera division of The Tata Power Company Limited

To
The Board of Directors
The Tata Power Company Limited,
Bombay House,
24, Homi Mody Street,
Mumbai 400001.

1. This Report is issued in accordance with the terms of our service scope letter dated August 16, 2023 read with Master Engagement Agreement dated July 20, 2022 with The Tata Power Company Limited (hereinafter the "Company") having its Registered Office at Bombay House, 24, Homi Mody Street, Mumbai 400001, for the year ended 31st March 2023.

2. At the request of the Company, we have examined the attached "Statement of Profit and Loss for the year ended March 31, 2023 of Unit 3 of Jojobera division of the Company" (hereinafter referred to as the 'Annexure - 1') read with notes thereon, prepared by the Company based on books of accounts and other relevant records and documents underlying the audited standalone financial statements of the Company for the year ended March 31, 2023, which we have initialled for identification purpose only. This Report and the Annexure 1 are required by the Company for submission to Jharkhand State Electricity Regulatory Commission (JSERC) for the purpose of true up of tariff for the year ended March 31, 2023 required under JSERC (Terms and Conditions for Determination of Generation Tariff) Regulations, 2020. Unit 3 is regulated by JSERC.

Management's Responsibility for the Annexure 1

3. The accompanying Annexure 1 is the responsibility of the management of the Company including the preparation and maintenance of all accounting and other relevant supporting records and documents. This responsibility includes the design, implementation and maintenance of internal control relevant to the preparation and presentation of the annexure and applying an appropriate basis of preparation; and making estimates that are reasonable in the circumstances.

4. The Company's management is also responsible for ensuring that the Company complies with the requirements of all the relevant regulations and for providing all relevant information to the Jharkhand State Electricity Regulatory Commission as required for determination of the tariff.

Auditor's Responsibility

5. Our responsibility is to provide a limited assurance whether the Statement of profit and loss of Unit 3 of Jojobera division of the Company has been extracted from the books of accounts underlying the audited standalone financial statements as at and for the year ended March 31, 2023.

6. The audited standalone financial statements referred to in paragraph 5 above, have been audited by us, on which we issued an unmodified audit opinion vide our report dated May 04, 2023. Our audit of these financial statements were conducted in accordance with the Standards on Auditing,

S R B C & CO LLP Kolkata

as specified under Section 143(10) of the Companies Act, 2013 and other applicable authoritative pronouncements issued by the Institute of Chartered Accountants of India. Those Standards require that we plan and perform the audit to obtain reasonable assurance about whether the financial statements are free of material misstatement.

7. We conducted our examination of the Annexure 1 in accordance with the Guidance Note on Reports or Certificates for Special Purposes issued by the Institute of Chartered Accountants of India. The Guidance Note requires that we comply with the ethical requirements of the Code of Ethics issued by the Institute of Chartered Accountants of India.

8. We have complied with the relevant applicable requirements of the Standard on Quality Control (SQC) 1, Quality Control for Firms that Perform Audits and Reviews of Historical Financial Information, and Other Assurance and Related Services Engagements.

9. A limited assurance engagement involves performing procedures to obtain sufficient appropriate evidence on the Reporting Criteria mentioned in paragraph 5 above. The procedures performed vary in nature and timing from, and are less extent than for, a reasonable assurance. Consequently, the level of assurance obtained is substantially lower than the assurance that would have been obtained had a reasonable assurance engagement been performed. We have performed the following procedures in relation to the Annexure-1:

   a) Obtained the Trial balance of Jojobera division containing the cost-centre wise break-up of income and expenses for the year ended March 31, 2023 and verified the directly identifiable items of income or expense for the Unit 3 cost centre as included in Annexure 1;
   b) Obtained invoices for sale of electricity raised for each unit of the Jojobera division and verified the reconciliation of the same with the revenue from "Operation Management Services- Assets Under Lease" for the Jojobera division as included in the audited standalone financial statements of the Company as at and for the year ended March 31, 2023.
   c) Verified the revenue from "Operation Management Services- Assets Under Lease" reported in the Annexure 1 for Unit 3 and noted that the same are in accordance with the revenue recognition principles prescribed by Ind AS;
   d) Obtained the finance lease working for Unit 3 of Jojobera division and verified the "Operating income- Income from Finance Lease" as reported in the Annexure 1.
   e) As informed by the management, the Jojobera division identifies and records direct income and expenses relating to the respective units by using unique cost centre assigned to the respective units. In respect of the income and expenses booked in common cost centres, verified the allocation principles and ensured that the allocation principles are consistent with previous years;
   f) Made corroborative enquiries to understand the controls around booking of income and expenses;
   g) Verified the arithmetical accuracy of the Annexure 1 by making independent computation of the allocation;
   h) Obtained necessary representations from management.



S R B C & CO LLP
Chartered Accountants

Conclusion

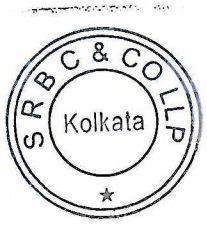
10. Based on the procedures performed by us as stated in paragraph 9 above, nothing has come to our attention that causes us to believe that the Statement of profit and loss of Unit 3 of Jojobera division of the Company during the year ended March 31, 2023 has not been accurately extracted from the books of accounts underlying the audited standalone financial statements as at and for the year ended March 31, 2023.

Restriction on Use

11. This report has been issued at the request of the Company to be submitted to Jharkhand State Electricity Regulatory Commission and is not to be used for any other purpose or to be distributed to any other parties. Accordingly, we do not accept or assume any liability or any duty of care for any other purpose or to any other person to whom this report is shown or into whose hands it may come without our prior consent in writing. We have no responsibility to update this report for events and circumstances occurring after the date of this report.

For S R B C & CO LLP
Chartered Accountants
ICAI Firm Registration Number: 324982E/E300003





per Sanjay Agarwal
Partner
Membership Number: 055833
UDIN No: 23055833BGXYKM6596

Place: Kolkata
Date: November 22, 2023

ANNEXURE 1

PROFIT AND LOSS STATEMENT OF JOJOBERA 120 MW , UNIT NO 3 FOR THE FINANCIAL YEAR ENDED 31ST MARCH, 2023
(Division of The Tata Power Company Limited)

Sl.no	Particulars	Amount (Rs.)
A	**REVENUE (Refer Note 1)**	
	Operation Management Services- Assets Under Lease	3,03,81,77,024
	Operating Income- Income from Finance Lease	22,04,00,000
	Operating Income- Others	1,90,92,405
	Other Income	16,772
	TOTAL REVENUE (A)	**3,27,76,86,202**
B	**EXPENSES (Refer Note 1,2,3 &4)**	
	Cost of Fuel	2,48,86,45,817
	Employee Benefit Expenses	9,26,82,457
	Finance Cost	11,61,056
	Consumption of Stores, Oil, etc	2,44,85,890
	Rental of Land, Buildings, Plant and Equipment, etc	9,44,699
	Repairs and Maintainence	9,89,09,898
	Rates and Taxes	55,29,981
	Raw water Expenses	5,54,68,434
	Insurance	78,56,092
	Other Operation Expenses	2,25,18,414
	Provision for Doubtful Debt	2,78,46,429
	Ash Disposal Expenses	2,79,74,168
	Travelling and Conveyance Expenses	32,48,355
	Auditors Remuneration	89,000
	Cost of Services Procured	1,33,08,227
	Miscellaneous Expenses	92,38,073
	Allocation of Head Office expenses	10,34,54,864
	TOTAL EXPENSES (B)	**2,98,13,61,854**
	PROFIT BEFORE TAX (A-B)	**29,63,24,348**

Notes:

1) The Jojobera division of the Company has four units- Units 1 and 4 are non-regulated and Units 2 and 3 are regulated. The division identifies and records direct income and expenses relating to the respective units by using unique cost centre assigned to the respective units. All other common costs are allocated to the respective unit on the basis as below. The above statement has been prepared on the basis of the income and expenses appearing in the books of the Jojobera division and the Company's Head Office.

Note references	Principles of allocation
Revenue from Operation Management Services- Assets Under Lease,Operating Income-Income from Finace Lease and Cost of Fuel	Directly identifiable income or expenses to the respective units.
Operating Income-Others,Other income,Finance Cost	Production capacity of the plants
Operating Income-Sale of fly Ash	Coal Consumed
Ash Disposal Expenses	Coal Consumed
Employee Benefit Expenses	Production staff on capacity of the plants and support staff equally among the units. Production and support staff comprises 83% and 17% respectively of the total employee headcount at Jojobera division.
Consumption of Stores,Oil etc,Repairs and Maintainence	Directly identifiable expenses to the respective units and common costs on production capacity of the plants.
Rental of Land,Building,Plant and Equipment ,etc	Equally among the units
Rates and Taxes,Other Operation Expenses,Travelling and Conveyance Expenses,Auditors Remuneration,Cost of Services Procured,Prov for Doubtful Debts/ Advances(Net),Miscellaneous Expenses.	Directly identifiable expenses to the respective units and common costs equally among the units
Raw water Expenses	Refer Note 2 below
Insurance	Gross block of assets of the units
Allocation of Head Office expenses	Refer Note 3 below

2) Raw water has been allocated based on actual generation of power. For better presentation purpose, it has been shown separately from Rates and Taxes.

3) Head Office expenses have been allocated to Jojobera location by the management based on the proportion of revenue of the Jojobera location to the operating revenue of the Company. The HO expenses are then allocated to the respective units based on the revenue of each unit for FY 2021-22. The basis of allocation have been relied upon by the auditors.

4) The Company estimates that there are no significant costs or income other than the above, that can be fairly attributed to this unit.

5) Consequent to adoption of Indian Accounting Standards (Ind AS) with a transition date of 1 April 2017 in accordance with requirements of Ind AS 116 - Leases, the Power Purchase agreements entered into by the Company with Tata Steel Limited have been classified as "Arrangements in the nature of lease" and consequently property, plant and equipment have been derecognised and finance lease receivable has been accounted for.

SRBC & CO LLP Kolkata

Date: 22.11.2023

The Tata Power Company Limited Mumbai

Certified true and correct
For and on behalf of
The Tata Power Company Limited
by their Constituted Attorney

TATA POWER
The Tata Power Company Limited
Corporate Finance & Accounts Corporate Centre 'B' Block 34 Sant Tukaram Road Carnac Bunder Mumbai 400 009
Tel 91 22 6717 1000 Fax Corporate Accounts 91 22 6717 1500
Registered Office Bombay House 24 Homi Mody Street Mumbai 400 001
CIN : L28920MH1919PLC000567 Website : www.tatapower.com Email : tatapower@tatapower.com

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ANNEXURE-P16

Raw Water Payment to Tata Steel

Month	Invoice Date	Invoice No.	Consumption(in m3)	Effective Rate (Rs/M3)	Base Water Charge rate (Rs/M3)	Water tax rate (Rs/M3)	Bill Amount (in Rs.)	Unit1	Unit 2	Unit 3	Unit 4	Unit 5	TDS	Payment(in Rs.)
Apr-22	30.04.2022	3019654498	815884	26.68	13.98	12.71	21771207	1140456	3986416	3818626	5104268	5409057	21771	19437052
May-22	31.05.2022	3019741459	741858	27.05	14.17	12.88	20067259	2363885	3254029	3551427	4179150	4702529	20067	18030953
Jun-22	30.06.2022	3019816490	804923	27.05	14.17	12.88	21773167	2558397	3768168	3611628	4579225	5069352	21773	19564997
Jul-22	31.07.2022	3019906064	760204	27.05	14.17	12.88	20563518	1749405	3438067	3687324	4474894	5102803	20564	18431930
Aug-22	30.08.2022	301997441	779977	27.05	14.17	12.88	21098378	1326964	3399851	3825539	5002125	5403249	21098	18936629
Sep-22	30.09.2022	3020089504	758499	27.05	14.17	12.88	20517398	2265653	3230107	3684371	4365555	4923175	20517	18448343
Oct-22	30.10.2022	3020178421	747403	27.05	14.17	12.88	20217251	2491785	3505329	3261567	4196253	4757503	20217	18192220
Nov-22	30.11.2022	3020268541	676285	27.05	14.17	12.88	18293509	2314535	3499379	2268041	4135391	4367462	18294	16566514
Dec-22	31.12.2022	3020357433	694634	27.05	14.17	12.88	18789850	794179	3100404	3251984	4583727	5177548	18790	16889051
Jan-23	31.01.2023	3020443341	677419	27.05	14.17	12.88	18324184	2843513	3639926	3975750	244987	5363728	18324	16049580
Feb-23	28.02.2023	3020532631	701961	27.05	14.17	12.88	18988045	2866385	3422785	4025568	3831903	2634696	18988	16762349
Mar-23	31.03.2023	3020616032	652253	27.05	14.17	12.88	17643444	2619177	3290171	3829047	4819258	976596	17643	15516605
Total			**8811300**				**238047209**	**25334333**	**41534631**	**42790872**	**49516736**	**53887697**	**238047**	**212826222**

Raw Water Payment to Tata Steel U2&3

	Unit 2								Unit 3				
Month	Invoice Date	Consumption	Base Water Charge rate (Rs/M3)	Water tax rate (Rs/M3)	Base water Charges (In Rs.)	Water taxes (In Rs.)	Amount Paid		Consumption	Base water Charges (In Rs.)	Water taxes (In Rs.)	Amount Paid	
							100% Base Charges	52% Water Tax				100% Base Charges	52% Water Tax
Apr-22	30.04.2022	193653	13.98	12.71	2706948	2460515	2706948	1279468	185502	2593012	2356951	2593012	1225614
May-22	31.05.2022	155937	14.17	12.88	2209626	2008467	2209626	1044403	170189	2411572	2192029	2411572	1139855
Jun-22	30.06.2022	180575	14.17	12.88	2558749	2325807	2558749	1209420	173073	2452451	2229186	2452451	1159177
Jul-22	31.07.2022	164756	14.17	12.88	2334596	2122060	2334596	1103471	176701	2503852	2275908	2503852	1183472
Aug-22	30.08.2022	162925	14.17	12.88	2308645	2098472	2308645	1091205	183324	2597706	2361217	2597706	1227833
Sep-22	30.09.2022	154791	14.17	12.88	2193382	1993702	2193382	1036725	176559	2501847	2274085	2501847	1182524
Oct-22	30.10.2022	167980	14.17	12.88	2380270	2163576	2380270	1125060	156298	2214745	2013120	2214745	1046822
Nov-22	30.11.2022	167694	14.17	12.88	2376229	2159904	2376229	1123150	108687	1540098	1399891	1540098	727943
Dec-22	31.12.2022	148575	14.17	12.88	2105308	1913646	2105308	995096	155839	2208237	2007205	2208237	1043747
Jan-23	31.01.2023	174430	14.17	12.88	2471667	2246652	2471667	1168259	190523	2699705	2453931	2699705	1276044
Feb-23	28.02.2023	164024	14.17	12.88	2324218	2112627	2324218	1098566	192910	2733534	2484681	2733534	1292034
Mar-23	31.03.2023	157669	14.17	12.88	2234168	2030775	2234168	1056003	183492	2600088	2363383	2600088	1228959
Total					**28203805**	**25636204**	**28203805**	**13330826**		**29056847**	**26411587**	**29056847**	**13734025**

TAX INVOICE / Bill of Supply

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Original for recipient

ANNEXURE-P17

JUSCO — TATA STEEL

Utility Bill Cum Notice Jamshedpur

NAME & ADDRESS		BILL DETAILS	
Recipient (BP) No.	0010051793-Consumer No0000341	Bill Type: Periodic Bill — Bill No.	003019654498
Recipient (BP) Name	TATA ELECTRIC CO. .	Payment Due Date (Current Bill)	21.05.2022
		No. of Pages	01 of 01
Address	JOJOBERA POWER PLANT , P.O. RAHARGORA,Hol. No. 563 JAMSHEDPUR Rahargora JAMSHEDPUR-831001	Old Balance (Rs.)	0
		Total of all pages (Rs.)	21771206.57
		Previous Outstanding (Rs.)	97417235.78
Jharkhand GST State Code - 20 Recipient GSTIN -		TCS Bill Amount	0
Phone No.		GRAND TOTAL (RS.)	119188442.35
Email Address	sureshsrivastava@tatapower.com	TSL GSTIN - 20AAACT2803M2ZO	
Contracted Demand	0 KW	Period of Bill: 25.03.2022 To 25.04.2022	S.Hr.
Bill Date: 30.04.2022	Bill Month: Apr		
Security Deposit Amount (Elec.): 0		Connection Charges Due (Water)	

METER DETAIL AND CONSUMPTION HISTORY

ELECTRICITY

Meter & MR Details		Consumption History			
Rate Category		Month	KWH	KVAH	MD
Meter Serial No.					
Meter Card No.					
Multiplying Factor					
Meter Status					
Reading Status					
Curr. Reading Date					
Last Reading Date					
Current Reading	KWH	KVAH			
Last Reading	KWH	KVAH			
Unit [Diff X MF] (C)	KWH	KVAH			

WATER

Meter & MR Details		Consumption History	
Rate Category	CLARIFIED INDUSTRIAL		
Meter Sl. No.	78048919000	Month	KL
Meter Card No.	78048919000	MAR(OK)	647751.00
M.F.	1.0	FEB(OK)	736176.00
Meter Status	CONNECTED	JAN(OK)	663572.00
Reading Status	OK	DEC(OK)	617342.00
Current. Rdg. Dt.	25.04.2022	NOV(OK)	679523.00
Last Rdg.Dt.	26.03.2022	OCT(OK)	772259.00
Current Rdg.	8298110.0000 KL	Meter Size (mm)	
Last Rdg.	7482226.0000 KL	800 mm	

Electricity Charges		Water Charges		CGST	SGST
Total Consumed KWH (C+P) or B or D		Charged Units (KL)	815884.00		
Total Consumed kVAh (C+P) or B or D		Consumed/ Flat Charges (Rs.)	21771206.57		
Print MD / Billing MD (KW/kVA)		Delay Payment Surcharge (Rs.)	0		
Load factor (%)		Meter Service Charges (Rs.)	0	0	0
Energy Charges (Rs.)		Any Other Charges (Rs.)	0	0	0
Jharkhand Electricity Duty (Rs.)		TOTAL WATER (B)	21771206.57	0	0
Fixed/Demand Charges (Rs.)		**Other Charges**		**CGST**	**SGST**
Voltage Rebate (Rs.)		Non Taxable Rent (Rs.)	0	--	--
Load Factor Surcharge/Rebate (Rs.)		Taxable Rent (Rs.)	0	0	0
FPPPA Charges (Rs.)		Municipal Contribution (Rs.)	0	0	0
Adjustment for Excess Demand (Rs.)		Conservancy Charges (Rs.)	0	0	0
Delay Payment Surcharge (Rs.)		Miscellaneous Charges (Rs.)	0	0	0
Early / Digital Pay Rebate (Rs.)		GST Rate (%)		9%	9%
Interest on Security Deposit (Rs.)		Any Other Charges (Rs.) *	0	0	0
Any Other Charges (Rs.) *		TOTAL OTHERS (C)	0	0	0
TOTAL ELECTRICITY (A)	0	BILL AMOUNT=(A+B+C)	21771206.6		

Last Payment Detail	Establishment No.	1000000H0573099		Service No.		NP
Receipt No.	TATAPOWER	Receipt Date.	25.03.2022	Receipt Amount	-31759482.34	
Cheque No.		Cheque Date		Bank Name		

Dear Consumer, Pls pay your bill within due date. Register in Zimmedar Nagrik Mobile App for meter reading, bill view and payment

Bill Certified

TAX INVOICE / Bill of Supply

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Original for recipient

JUSCO

TATA STEEL

Utility Bill Cum Notice Jamshedpur

TATA TATA STEEL

NAME & ADDRESS		BILL DETAILS			
Recipient (BP) No.	0010051793-Consumer No0000341	Bill Type	Periodic Bill	Bill No.	003019741459
Recipient (BP) Name	TATA ELECTRIC CO. .	Payment Due Date (Current Bill)			21.06.2022
		No. of Pages			01 of 01
Address	JOJOBERA POWER PLANT , P.O. RAHARGORA,Hol. No. 563 JAMSHEDPUR Rahargora JAMSHEDPUR-831001	Old Balance (Rs.)			0
		Total of all pages (Rs.)			20067258.9
		Previous Outstanding (Rs.)			115644752.27
Jharkhand GST State Code - 20 Recipient GSTIN -		TCS Bill Amount			0
Phone No.		GRAND TOTAL (RS.)			135712011.17
Email Address	sureshsrivastava@tatapower.com	TSL GSTIN - 20AAACT2803M2ZO			
Contracted Demand	0 KW				
Bill Date	31.05.2022	Bill Month	May	Period of Bill	25.04.2022 To 25.05.2022 S.Hr.
Security Deposit Amount (Elec.)	0	Connection Charges Due (Water)			

METER DETAIL AND CONSUMPTION HISTORY

ELECTRICITY

Meter & MR Details		Consumption History			
Rate Category					
Meter Serial No.		Month	KWH	KVAH	MD
Meter Card No.					
Multiplying Factor					
Meter Status					
Reading Status					
Curr. Reading Date					
Last Reading Date					
Current Reading		KWH		KVAH	
Last Reading		KWH		KVAH	
Unit [Diff X MF] (C)		KWH		KVAH	

WATER

Meter & MR Details		Consumption History		
Rate Category	CLARIFIED INDUSTRIAL			
Meter Sl. No.	78048919000	Month	KL	
Meter Card No.	78048919000	APR(OK)	815884.00	
M.F.	1.0	MAR(OK)	647751.00	
Meter Status	CONNECTED	FEB(OK)	736176.00	
Reading Status	OK	JAN(OK)	663572.00	
Current. Rdg. Dt.	25.05.2022	DEC(OK)	617342.00	
Last Rdg.Dt.	26.04.2022	NOV(OK)	679523.00	
Current Rdg.	9039968.0000	KL	Meter Size (mm)	
Last Rdg.	8298110.0000	KL	800 mm	

Electricity Charges		Water Charges		CGST	SGST
Total Consumed KWH (C+P) or B or D		Charged Units (KL)	741858.00		
Total Consumed kVAh (C+P) or B or D		Consumed/ Flat Charges (Rs.)	20067258.9		
Print MD / Billing MD (KW/kVA)		Delay Payment Surcharge (Rs.)	0		
Load factor (%)		Meter Service Charges (Rs.)	0	0	0
Energy Charges (Rs.)		Any Other Charges (Rs.)	0	0	0
Jharkhand Electricity Duty (Rs.)		TOTAL WATER (B)	20067258.9	0	0
Fixed/Demand Charges (Rs.)		Other Charges		CGST	SGST
Voltage Rebate (Rs.)		Non Taxable Rent (Rs.)	0	--	--
Load Factor Surcharge/Rebate (Rs.)		Taxable Rent (Rs.)	0	0	0
FPPPA Charges (Rs.)		Municipal Contribution (Rs.)	0	0	0
Adjustment for Excess Demand (Rs.)		Conservancy Charges (Rs.)	0	0	0
Delay Payment Surcharge (Rs.)		Miscellaneous Charges (Rs.)	0	0	0
Early / Digital Pay Rebate (Rs.)		GST Rate (%)		9%	9%
Interest on Security Deposit (Rs.)		Any Other Charges (Rs.) *	0	0	0
Any Other Charges (Rs.) *		TOTAL OTHERS (C)	0	0	0
TOTAL ELECTRICITY (A)	0	BILL AMOUNT=(A+B+C)	20067258.9		

Last Payment Detail	Establishment No.	1000000H0573099		Service No.		NP
Receipt No.	TATAPOWER	Receipt Date	27.04.2022	Receipt Amount	-3527392.67	
Cheque No.		Cheque Date		Bank Name		

Dear Consumer, Pls pay your bill within due date. Register in Zimmedar Nagrik Mobile App for meter reading, bill view and payment

Bill Certified

NEFT/RTGS Details for Payment

Account No: JUSCTS0010051793; Beneficiary Name: TATA STEEL LIMITED JUSCO TOWN SERVICES; Bank Name: HDFC BANK LTD; Branch Name: Kanjurmarg Branch, Mumbai;

TAX INVOICE / Bill of Supply

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Original for recipient

JUSCO — TATA STEEL

Utility Bill Cum Notice Jamshedpur

NAME & ADDRESS		BILL DETAILS	
Recipient (BP) No.	0010051793-Consumer No0000341	Bill Type: Periodic Bill — Bill No.	003019816490
Recipient (BP) Name	TATA ELECTRIC CO. .	Payment Due Date (Current Bill)	20.07.2022
		No. of Pages	01 of 01
Address	JOJOBERA POWER PLANT , P.O. RAHARGORA,Hol. No. 563 JAMSHEDPUR Rahargora JAMSHEDPUR-831001	Old Balance (Rs.)	0
		Total of all pages (Rs.)	21773167.15
		Previous Outstanding (Rs.)	94454628.13
Jharkhand GST State Code - 20 Recipient GSTIN -		TCS Bill Amount	0
Phone No.		GRAND TOTAL (RS.)	116227795.28
Email Address	sureshsrivastava@tatapower.com		
Contracted Demand	0 KW	TSL GSTIN - 20AAACT2803M2ZO	
Bill Date	29.06.2022 — Bill Month: Jun	Period of Bill: 25.05.2022 To 25.06.2022	S.Hr.
Security Deposit Amount (Elec.)	0	Connection Charges Due (Water)	

METER DETAIL AND CONSUMPTION HISTORY

ELECTRICITY

Meter & MR Details		Consumption History			
Rate Category		Month	KWH	KVAH	MD
Meter Serial No.					
Meter Card No.					
Multiplying Factor					
Meter Status					
Reading Status					
Curr. Reading Date					
Last Reading Date					
Current Reading	KWH	KVAH			
Last Reading	KWH	KVAH			
Unit [Diff X MF] (C)	KWH	KVAH			

WATER

Meter & MR Details		Consumption History	
Rate Category	CLARIFIED INDUSTRIAL		
Meter Sl. No.	78048919000	Month	KL
Meter Card No.	78048919000	MAY(OK)	741858.00
M.F.	1.0	APR(OK)	815884.00
Meter Status	CONNECTED	MAR(OK)	647751.00
Reading Status	OK	FEB(OK)	736176.00
Current. Rdg. Dt.	25.06.2022	JAN(OK)	663572.00
Last Rdg.Dt.	26.05.2022	DEC(OK)	617342.00
Current Rdg.	9844891.0000 KL	Meter Size (mm)	
Last Rdg.	9039968.0000 KL	800 mm	

Electricity Charges		Water Charges		CGST	SGST
Total Consumed KWH (C+P) or B or D		Charged Units (KL)	804923.00		
Total Consumed kVAh (C+P) or B or D		Consumed/ Flat Charges (Rs.)	21773167.15		
Print MD / Billing MD (KW/kVA)		Delay Payment Surcharge (Rs.)	0		
Load factor (%)		Meter Service Charges (Rs.)	0	0	0
Energy Charges (Rs.)		Any Other Charges (Rs.)	0	0	0
Jharkhand Electricity Duty (Rs.)		TOTAL WATER (B)	21773167.15	0	0
Fixed/Demand Charges (Rs.)		Other Charges		CGST	SGST
Voltage Rebate (Rs.)		Non Taxable Rent (Rs.)	0	--	--
Load Factor Surcharge/Rebate (Rs.)		Taxable Rent (Rs.)	0	0	0
FPPPA Charges (Rs.)		Municipal Contribution (Rs.)	0	0	0
Adjustment for Excess Demand (Rs.)		Conservancy Charges (Rs.)	0	0	0
Delay Payment Surcharge (Rs.)		Miscellaneous Charges (Rs.)	0	0	0
Early / Digital Pay Rebate (Rs.)		GST Rate (%)		9%	9%
Interest on Security Deposit (Rs.)		Any Other Charges (Rs.) *	0	0	0
Any Other Charges (Rs.) *		TOTAL OTHERS (C)	0	0	0
TOTAL ELECTRICITY (A)	0	BILL AMOUNT=(A+B+C)	21773167.2		

Last Payment Detail	Establishment No.	1000000H0573099		Service No.		NP
Receipt No.	TATA POWER	Receipt Date	27.06.2022	Receipt Amount	-8950721.24	
Cheque No.		Cheque Date		Bank Name		

Dear Consumer, Pls pay your bill within due date. Register in Zimmedar Nagrik Mobile App for meter reading, bill view and payment

Bill Certified

NEFT/RTGS Details for Payment

Account No: JUSCTS0010051793; Beneficiary Name: TATA STEEL LIMITED JUSCO TOWN SERVICES; Bank Name: HDFC BANK LTD; Branch Name: Kanjurmarg Branch, Mumbai; IFSC Code: HDFC0004989

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TAX INVOICE / Bill of Supply

Original for recipient

JUSCO

TATA STEEL

Utility Bill Cum Notice Jamshedpur

TATA STEEL

NAME & ADDRESS		BILL DETAILS	
Recipient (BP) No.	0010051793-Consumer No0000341	Bill Type: Periodic Bill — Bill No.	003019906064
Recipient (BP) Name	TATA ELECTRIC CO. .	Payment Due Date (Current Bill)	20.08.2022
		No. of Pages	01 of 01
Address	JOJOBERA POWER PLANT , P.O. RAHARGORA,Hol. No. 563 JAMSHEDPUR Rahargora JAMSHEDPUR-831001	Old Balance (Rs.)	0
		Total of all pages (Rs.)	20563518.2
		Previous Outstanding (Rs.)	112363309.45
Jharkhand GST State Code - 20 Recipient GSTIN -		TCS Bill Amount	0
Phone No.		GRAND TOTAL (RS.)	132926827.65
Email Address	sureshsrivastava@tatapower.com	TSL GSTIN - 20AAACT2803M2ZO	
Contracted Demand	0 KW		
Bill Date	30.07.2022 — Bill Month: Jul	Period of Bill: 25.06.2022 To 25.07.2022	S.Hr.
Security Deposit Amount (Elec.)	0	Connection Charges Due (Water)	

METER DETAIL AND CONSUMPTION HISTORY

ELECTRICITY

Meter & MR Details		Consumption History			
Rate Category		Month	KWH	KVAH	MD
Meter Serial No.					
Meter Card No.					
Multiplying Factor					
Meter Status					
Reading Status					
Curr. Reading Date					
Last Reading Date					
Current Reading	KWH		KVAH		
Last Reading	KWH		KVAH		
Unit [Diff X MF] (C)	KWH		KVAH		

WATER

Meter & MR Details		Consumption History		Meter Size (mm)
Rate Category	CLARIFIED INDUSTRIAL			
Meter Sl. No.	78048919000	Month	KL	
Meter Card No.	78048919000	JUN(OK)	804923.00	
M.F.	1.0	MAY(OK)	741858.00	
Meter Status	CONNECTED	APR(OK)	815884.00	
Reading Status	OK	MAR(OK)	647751.00	
Current. Rdg. Dt.	25.07.2022	FEB(OK)	736176.00	
Last Rdg.Dt.	26.06.2022	JAN(OK)	663572.00	
Current Rdg.	760204.00000 KL			800 mm
Last Rdg.	9844891.0000 KL			

Electricity Charges		Water Charges		CGST	SGST
Total Consumed KWH (C+P) or B or D		Charged Units (KL)	760204.00		
Total Consumed kVAh (C+P) or B or D		Consumed/ Flat Charges (Rs.)	20563518.2		
Print MD / Billing MD (KW/kVA)		Delay Payment Surcharge (Rs.)	0		
Load factor (%)		Meter Service Charges (Rs.)	0	0	0
Energy Charges (Rs.)		Any Other Charges (Rs.)	0	0	0
Jharkhand Electricity Duty (Rs.)		TOTAL WATER (B)	20563518.2	0	0
Fixed/Demand Charges (Rs.)		**Other Charges**		**CGST**	**SGST**
Voltage Rebate (Rs.)		Non Taxable Rent (Rs.)	0	--	--
Load Factor Surcharge/Rebate (Rs.)		Taxable Rent (Rs.)	0	0	0
FPPPA Charges (Rs.)		Municipal Contribution (Rs.)	0	0	0
Adjustment for Excess Demand (Rs.)		Conservancy Charges (Rs.)	0	0	0
Delay Payment Surcharge (Rs.)		Miscellaneous Charges (Rs.)	0	0	0
Early / Digital Pay Rebate (Rs.)		GST Rate (%)		9%	9%
Interest on Security Deposit (Rs.)		Any Other Charges (Rs.) *	0	0	0
Any Other Charges (Rs.) *		TOTAL OTHERS (C)	0	0	0
TOTAL ELECTRICITY (A)	0	BILL AMOUNT=(A+B+C)	20563518.2		

Last Payment Detail	Establishment No.	1000000H0573099		Service No.		NP
Receipt No.	TATAPOWER RTGS-	Receipt Date.	27.07.2022	Receipt Amount	3842712.66	
Cheque No.		Cheque Date		Bank Name		

Dear Consumer, Pls pay your bill within due date. Register in Zimmedar Nagrik Mobile App for meter reading, bill view and payment

NEFT/RTGS Details for Payment

Account No: JUSCTS0010051793; Beneficiary Name: TATA STEEL LIMITED JUSCO TOWN SERVICES; Bank Name: HDFC BANK LTD; Branch Name: Kanjurmarg Branch, Mumbai; IFSC Code: HDFC0004989

Bill Certified

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Original for recipient

JUSCO — TATA STEEL

Utility Bill Cum Notice Jamshedpur

TATA TATA STEEL

NAME & ADDRESS		BILL DETAILS	
Recipient (BP) No.	0010051793-Consumer No0000341	Bill Type: Periodic Bill — Bill No.	003019997441
Recipient (BP) Name	TATA ELECTRIC CO. .	Payment Due Date (Current Bill)	21.09.2022
		No. of Pages	01 of 01
Address	JOJOBERA POWER PLANT , P.O. RAHARGORA,Hol. No. 563 JAMSHEDPUR Rahargora JAMSHEDPUR-831001	Old Balance (Rs.)	0
		Total of all pages (Rs.)	21098377.85
		Previous Outstanding (Rs.)	132926827.65
Jharkhand GST State Code - 20 Recipient GSTIN -		TCS Bill Amount	0
Phone No.		GRAND TOTAL (RS.)	154025205.50
Email Address	sureshsrivastava@tatapower.com	TSL GSTIN - 20AAACT2803M2ZO	
Contracted Demand	0 KW		
Bill Date	31.08.2022 — Bill Month: Aug	Period of Bill: 25.07.2022 To 25.08.2022 — S.Hr.	
Security Deposit Amount (Elec.)	0	Connection Charges Due (Water)	

METER DETAIL AND CONSUMPTION HISTORY

ELECTRICITY

Meter & MR Details		Consumption History			
Rate Category		Month	KWH	KVAH	MD
Meter Serial No.					
Meter Card No.					
Multiplying Factor					
Meter Status					
Reading Status					
Curr. Reading Date					
Last Reading Date					
Current Reading	KWH		KVAH		
Last Reading	KWH		KVAH		
Unit [Diff X MF] (C)	KWH		KVAH		

WATER

Meter & MR Details		Consumption History		
Rate Category	CLARIFIED INDUSTRIAL			
Meter Sl. No.	78048919000	Month	KL	
Meter Card No.	78048919000	JUL(OK)	760204.00	
M.F.	1.0	JUN(OK)	804923.00	
Meter Status	CONNECTED	MAY(OK)	741858.00	
Reading Status	OK	APR(OK)	815884.00	
Current. Rdg. Dt.	25.08.2022	MAR(OK)	647751.00	
Last Rdg.Dt.	26.07.2022	FEB(OK)	736176.00	
Current Rdg.	1540181.0000	KL	Meter Size (mm)	
Last Rdg.	760204.00000	KL	800 mm	

Electricity Charges		Water Charges		CGST	SGST
Total Consumed KWH (C+P) or B or D		Charged Units (KL)	779977.00		
Total Consumed kVAh (C+P) or B or D		Consumed/ Flat Charges (Rs.)	21098377.85		
Print MD / Billing MD (KW/kVA)		Delay Payment Surcharge (Rs.)	0		
Load factor (%)		Meter Service Charges (Rs.)	0	0	0
Energy Charges (Rs.)		Any Other Charges (Rs.)	0	0	0
Jharkhand Electricity Duty (Rs.)		TOTAL WATER (B)	21098377.85	0	0
Fixed/Demand Charges (Rs.)		Other Charges		CGST	SGST
Voltage Rebate (Rs.)		Non Taxable Rent (Rs.)	0	--	--
Load Factor Surcharge/Rebate (Rs.)		Taxable Rent (Rs.)	0	0	0
FPPPA Charges (Rs.)		Municipal Contribution (Rs.)	0	0	0
Adjustment for Excess Demand (Rs.)		Conservancy Charges (Rs.)	0	0	0
Delay Payment Surcharge (Rs.)		Miscellaneous Charges (Rs.)	0	0	0
Early / Digital Pay Rebate (Rs.)		GST Rate (%)		9%	9%
Interest on Security Deposit (Rs.)		Any Other Charges (Rs.) *	0	0	0
Any Other Charges (Rs.) *		TOTAL OTHERS (C)	0	0	0
TOTAL ELECTRICITY (A)	0	BILL AMOUNT=(A+B+C)	21098377.9		

Last Payment Detail	Establishment No.	1000000H0573099		Service No.		NP
Receipt No.	TATAPOWER RTGS-	Receipt Date	27.07.2022	Receipt Amount	-3842712.66	
Cheque No.		Cheque Date		Bank Name		

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NEFT/RTGS Details for Payment

Account No: JUSCTS0010051793; Beneficiary Name: TATA STEEL LIMITED JUSCO TOWN SERVICES; Bank Name: HDFC BANK LTD; Branch Name: Kanjumarg Branch, Mumbai; IFSC Code: HDFC0004989

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Original for recipient

JUSCO — TATA STEEL

Utility Bill Cum Notice Jamshedpur

TATA TATA STEEL

NAME & ADDRESS		BILL DETAILS	
Recipient (BP) No.	0010051793-Consumer No0000341	Bill Type: Periodic Bill — Bill No.	003020089504
Recipient (BP) Name	TATA ELECTRIC CO. .	Payment Due Date (Current Bill)	21.10.2022
		No. of Pages	01 of 01
Address	JOJOBERA POWER PLANT , P.O. RAHARGORA,Hol. No. 563 JAMSHEDPUR Rahargora JAMSHEDPUR-831001	Old Balance (Rs.)	0
		Total of all pages (Rs.)	20517397.95
		Previous Outstanding (Rs.)	108544976.83
Jharkhand GST State Code - 20 Recipient GSTIN -		TCS Bill Amount	0
Phone No.		GRAND TOTAL (RS.)	129062374.78
Email Address	sureshsrivastava@tatapower.com		
Contracted Demand	0 KW	TSL GSTIN - 20AAACT2803M2ZO	
Bill Date	30.09.2022 — Bill Month: Sep	Period of Bill: 25.08.2022 To 24.09.2022	S.Hr.
Security Deposit Amount (Elec.)	0	Connection Charges Due (Water)	

METER DETAIL AND CONSUMPTION HISTORY

ELECTRICITY

Meter & MR Details		Consumption History			
Rate Category		Month	KWH	KVAH	MD
Meter Serial No.					
Meter Card No.					
Multiplying Factor					
Meter Status					
Reading Status					
Curr. Reading Date					
Last Reading Date					
Current Reading	KWH	KVAH			
Last Reading	KWH	KVAH			
Unit [Diff X MF] (C)	KWH	KVAH			

WATER

Meter & MR Details			Consumption History	
Rate Category	CLARIFIED INDUSTRIAL			
Meter Sl. No.	78048919000		Month	KL
Meter Card No.	78048919000		AUG(OK)	779977.00
M.F.	1.0		JUL(OK)	760204.00
Meter Status	CONNECTED		JUN(OK)	804923.00
Reading Status	OK		MAY(OK)	741858.00
Current. Rdg. Dt.	24.09.2022		APR(OK)	815884.00
Last Rdg.Dt.	26.08.2022		MAR(OK)	647751.00
Current Rdg.	2298680.0000	KL	Meter Size (mm)	
Last Rdg.	1540181.0000	KL	800 mm	

Electricity Charges		Water Charges		CGST	SGST
Total Consumed KWH (C+P) or B or D		Charged Units (KL)	758499.00		
Total Consumed kVAh (C+P) or B or D		Consumed/ Flat Charges (Rs.)	20517397.95		
Print MD / Billing MD (KW/kVA)		Delay Payment Surcharge (Rs.)	0		
Load factor (%)		Meter Service Charges (Rs.)	0	0	0
Energy Charges (Rs.)		Any Other Charges (Rs.)	0	0	0
Jharkhand Electricity Duty (Rs.)		TOTAL WATER (B)	20517397.95	0	0
Fixed/Demand Charges (Rs.)		**Other Charges**		**CGST**	**SGST**
Voltage Rebate (Rs.)		Non Taxable Rent (Rs.)	0	--	--
Load Factor Surcharge/Rebate (Rs.)		Taxable Rent (Rs.)	0	0	0
FPPPA Charges (Rs.)		Municipal Contribution (Rs.)	0	0	0
Adjustment for Excess Demand (Rs.)		Conservancy Charges (Rs.)	0	0	0
Delay Payment Surcharge (Rs.)		Miscellaneous Charges (Rs.)	0	0	0
Early / Digital Pay Rebate (Rs.)		GST Rate (%)		9%	9%
Interest on Security Deposit (Rs.)		Any Other Charges (Rs.) *	0	0	0
Any Other Charges (Rs.) *		TOTAL OTHERS (C)	0	0	0
TOTAL ELECTRICITY (A)	0	BILL AMOUNT=(A+B+C)	20517398		

Last Payment Detail	Establishment No.	1000000H0573099	Service No.		NP
Receipt No.	TATAPOWER-RTGS-	Receipt Date	26.08.2022	Receipt Amount	-3634335.3
Cheque No.		Cheque Date		Bank Name	

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NEFT/RTGS Details for Payment

Account No: JUSCTS0010051793; Beneficiary Name: TATA STEEL LIMITED JUSCO TOWN SERVICES; Bank Name: HDFC BANK LTD; Branch Name: Kanjurmarg Branch, Mumbai; IFSC Code: HDFC0004989

Bill Certified

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JUSCO | TATA STEEL

Utility Bill Cum Notice Jamshedpur

NAME & ADDRESS		BILL DETAILS	
Recipient (BP) No.	0010051793-Consumer No0000341	Bill Type Periodic Bill Bill No.	003020178421
Recipient (BP) Name	TATA ELECTRIC CO. .	Payment Due Date (Current Bill)	21.11.2022
		No. of Pages	01 of 01
Address	JOJOBERA POWER PLANT , P.O. RAHARGORA,Hol. No. 563 JAMSHEDPUR Rahargora JAMSHEDPUR-831001	Old Balance (Rs.)	0
		Total of all pages (Rs.)	20217251.15
		Previous Outstanding (Rs.)	129062374.78
Jharkhand GST State Code - 20 Recipient GSTIN -		TCS Bill Amount	0
Phone No.		GRAND TOTAL (RS.)	149279625.93
Email Address	sureshsrivastava@tatapower.com	TSL GSTIN - 20AAACT2803M2ZO	
Contracted Demand	0 KW		
Bill Date	31.10.2022 Bill Month Oct	Period of Bill 24.09.2022 To 25.10.2022 S.Hr.	
Security Deposit Amount (Elec.)	0	Connection Charges Due (Water)	

METER DETAIL AND CONSUMPTION HISTORY

ELECTRICITY

Meter & MR Details		Consumption History			
Rate Category		Month	KWH	KVAH	MD
Meter Serial No.					
Meter Card No.					
Multiplying Factor					
Meter Status					
Reading Status					
Curr. Reading Date					
Last Reading Date					
Current Reading	KWH	KVAH			
Last Reading	KWH	KVAH			
Unit [Diff X MF] (C)	KWH	KVAH			

WATER

Meter & MR Details		Consumption History		
Rate Category	CLARIFIED INDUSTRIAL			
Meter Sl. No.	78048919000	Month	KL	
Meter Card No.	78048919000	SEP(OK)	758499.00	
M.F.	1.0	AUG(OK)	779977.00	
Meter Status	CONNECTED	JUL(OK)	760204.00	
Reading Status	OK	JUN(OK)	804923.00	
Current. Rdg. Dt.	25.10.2022	MAY(OK)	741858.00	
Last Rdg.Dt.	25.09.2022	APR(OK)	815884.00	
Current Rdg.	3046083.0000	KL	Meter Size (mm)	
Last Rdg.	2298680.0000	KL	800 mm	

Electricity Charges		Water Charges		CGST	SGST
Total Consumed KWH (C+P) or B or D		Charged Units (KL)	747403.00		
Total Consumed kVAh (C+P) or B or D		Consumed/ Flat Charges (Rs.)	20217251.15		
Prim MD / Billing MD (KW/kVA)		Delay Payment Surcharge (Rs.)	0		
Load factor (%)		Meter Service Charges (Rs.)	0	0	0
Energy Charges (Rs.)		Any Other Charges (Rs.)	0	0	0
Jharkhand Electricity Duty (Rs.)		TOTAL WATER (B)	20217251.15	0	0
Fixed/Demand Charges (Rs.)		Other Charges		CGST	SGST
Voltage Rebate (Rs.)		Non Taxable Rent (Rs.)	0	–	–
Load Factor Surcharge/Rebate (Rs.)		Taxable Rent (Rs.)	0	0	0
FPPPA Charges (Rs.)		Municipal Contribution (Rs.)	0	0	0
Adjustment for Excess Demand (Rs.)		Conservancy Charges (Rs.)	0	0	0
Delay Payment Surcharge (Rs.)		Miscellaneous Charges (Rs.)	0	0	0
Early / Digital Pay Rebate (Rs.)		GST Rate (%)		9%	9%
Interest on Security Deposit (Rs.)		Any Other Charges (Rs.) *	0	0	0
Any Other Charges (Rs.) *		TOTAL OTHERS (C)	0	0	0
TOTAL ELECTRICITY (A)	0	BILL AMOUNT=(A+B+C)	20217251.2		

Last Payment Detail	Establishment No.	1000000H0573099	Service No.	NP/
Receipt No.	TATAPOWER-RTGS-	Receipt Date	26.08.2022	Receipt Amount -3634335.3
Cheque No.		Cheque Date		Bank Name

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NEFT/RTGS Details for Payment

Account No: JUSCTS0010051793; Beneficiary Name: TATA STEEL LIMITED JUSCO TOWN SERVICES; Bank Name: HDFC BANK LTD; Branch Name: Kanjurmarg Branch, Mumbai;

Bill Certified

TAX INVOICE / Bill of Supply

Original for recipient

JUSCO

TATA STEEL

Utility Bill Cum Notice Jamshedpur

TATA TATA STEEL

NAME & ADDRESS				BILL DETAILS			
Recipient (BP) No.	0010051793-Consumer No0000341			Bill Type	Periodic Bill	Bill No.	003020268541
Recipient (BP) Name	TATA ELECTRIC CO. .			Payment Due Date (Current Bill)			21.12.2022
				No. of Pages			01 of 01
Address	JOJOBERA POWER PLANT , P.O. RAHARGORA,Hol. No. 563 JAMSHEDPUR Rahargora JAMSHEDPUR-831001			Old Balance (Rs.)			0
				Total of all pages (Rs.)			18293509.25
				Previous Outstanding (Rs.)			145713418.34
Jharkhand GST State Code - 20 Recipient GSTIN -				TCS Bill Amount			0
Phone No.				GRAND TOTAL (RS.)			164000927.59
Email Address	sureshsrivastava@tatapower.com						
Contracted Demand	0 KW			TSL GSTIN - 20AAACT2803M2ZO			
Bill Date	30.11.2022	Bill Month	Nov	Period of Bill	25.10.2022	To 25.11.2022	S.Hr.
Security Deposit Amount (Elec.)	0			Connection Charges Due (Water)			

METER DETAIL AND CONSUMPTION HISTORY

ELECTRICITY

Meter & MR Details		Consumption History			
Rate Category					
Meter Serial No.		Month	KWH	KVAH	MD
Meter Card No.					
Multiplying Factor					
Meter Status					
Reading Status					
Curr. Reading Date					
Last Reading Date					
Current Reading		KWH		KVAH	
Last Reading		KWH		KVAH	
Unit [Diff X MF] (C)		KWH		KVAH	

WATER

Meter & MR Details		Consumption History		
Rate Category	CLARIFIED INDUSTRIAL			
Meter Sl. No.	78048919000	Month	KL	
Meter Card No.	78048919000	OCT(OK)	747403.00	
M.F.	1.0	SEP(OK)	758499.00	
Meter Status	CONNECTED	AUG(OK)	779977.00	
Reading Status	OK	JUL(OK)	760204.00	
Current. Rdg. Dt.	25.11.2022	JUN(OK)	804923.00	
Last Rdg.Dt.	26.10.2022	MAY(OK)	741858.00	
Current Rdg.	3722368.0000	KL	Meter Size (mm)	
Last Rdg.	3046083.0000	KL	800 mm	

Electricity Charges		Water Charges		CGST	SGST
Total Consumed KWH (C+P) or B or D		Charged Units (KL)	676285.00		
Total Consumed kVAh (C+P) or B or D		Consumed/ Flat Charges (Rs.)	18293509.25		
Print MD / Billing MD (KW/KVA)		Delay Payment Surcharge (Rs.)	0		
Load factor (%)		Meter Service Charges (Rs.)	0	0	0
Energy Charges (Rs.)		Any Other Charges (Rs.)	0	0	0
Jharkhand Electricity Duty (Rs.)		TOTAL WATER (B)	18293509.25	0	0
Fixed/Demand Charges (Rs.)		Other Charges		CGST	SGST
Voltage Rebate (Rs.)		Non Taxable Rent (Rs.)	0	--	--
Load Factor Surcharge/Rebate (Rs.)		Taxable Rent (Rs.)	0	0	0
FPPPA Charges (Rs.)		Municipal Contribution (Rs.)	0	0	0
Adjustment for Excess Demand (Rs.)		Conservancy Charges (Rs.)	0	0	0
Delay Payment Surcharge (Rs.)		Miscellaneous Charges (Rs.)	0	0	0
Early / Digital Pay Rebate (Rs.)		GST Rate (%)		9%	9%
Interest on Security Deposit (Rs.)		Any Other Charges (Rs) *	0	0	0
Any Other Charges (Rs.) *		TOTAL OTHERS (C)	0	0	0
TOTAL ELECTRICITY (A)	0	BILL AMOUNT=(A+B+C)	18293509.3		

Last Payment Detail	Establishment No.	1000000H0573099	Service No.	NP/	
Receipt No.	TATAPOWER RTGS-	Receipt Date	29.10.2022	Receipt Amount	-3545690.59
Cheque No.		Cheque Date		Bank Name	

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NEFT/RTGS Details for Payment

Account No: JUSCTS0010051793; Beneficiary Name: TATA STEEL LIMITED JUSCO TOWN SERVICES; Bank Name: HDFC BANK LTD; Branch Name: Kanjurmarg Branch, Mumbai;

TAX INVOICE / Bill of Supply

Original for recipient

JUSCO TATA STEEL

Utility Bill Cum Notice Jamshedpur

NAME & ADDRESS		BILL DETAILS	
Recipient (BP) No.	0010051793-Consumer No0000341	Bill Type: Periodic Bill — Bill No.	003020357433
Recipient (BP) Name	TATA ELECTRIC CO. .	Payment Due Date (Current Bill)	21.01.2023
		No. of Pages	01 of 01
Address	JOJOBERA POWER PLANT , P.O. RAHARGORA,Hol. No. 563 JAMSHEDPUR Rahargora JAMSHEDPUR-831001	Old Balance (Rs.)	0
		Total of all pages (Rs.)	18789849.7
		Previous Outstanding (Rs.)	160370182.4
Jharkhand GST State Code - 20 Recipient GSTIN -		TCS Bill Amount	0
Phone No.		GRAND TOTAL (RS.)	179160032.10
Email Address	harsh.lunia@tatapower.com	TSL GSTIN - 20AAACT2803M2ZO	
Contracted Demand	0 KW		
Bill Date	31.12.2022 — Bill Month: Dec	Period of Bill: 25.11.2022 To 25.12.2022 — S.Hr.	
Security Deposit Amount (Elec.)	0	Connection Charges Due (Water)	

METER DETAIL AND CONSUMPTION HISTORY

ELECTRICITY

Meter & MR Details		Consumption History			
Rate Category		Month	KWH	KVAH	MD
Meter Serial No.					
Meter Card No.					
Multiplying Factor					
Meter Status					
Reading Status					
Curr. Reading Date					
Last Reading Date					
Current Reading	KWH	KVAH			
Last Reading	KWH	KVAH			
Unit [Diff X MF] (C)	KWH	KVAH			

WATER

Meter & MR Details		Consumption History		
Rate Category	CLARIFIED INDUSTRIAL			
Meter Sl. No.	78048919000	Month	KL	
Meter Card No.	78048919000	NOV(OK)	676285.00	
M.F.	1.0	OCT(OK)	747403.00	
Meter Status	CONNECTED	SEP(OK)	758499.00	
Reading Status	OK	AUG(OK)	779977.00	
Current. Rdg. Dt.	25.12.2022	JUL(OK)	760204.00	
Last Rdg.Dt.	26.11.2022	JUN(OK)	804923.00	
Current Rdg.	4417002.0000 KL	Meter Size (mm)		
Last Rdg.	3722368.0000 KL	800 mm		

Electricity Charges		Water Charges		CGST	SGST
Total Consumed KWH (C+P) or B or D		Charged Units (KL)	694634.00		
Total Consumed kVAh (C+P) or B or D		Consumed/ Flat Charges (Rs.)	18789849.7		
Print MD / Billing MD (KW/kVA)		Delay Payment Surcharge (Rs.)	0		
Load factor (%)		Meter Service Charges (Rs.)	0	0	0
Energy Charges (Rs.)		Any Other Charges (Rs.)	0	0	0
Jharkhand Electricity Duty (Rs.)		TOTAL WATER (B)	18789849.7	0	0
Fixed/Demand Charges (Rs.)		Other Charges		CGST	SGST
Voltage Rebate (Rs.)		Non Taxable Rent (Rs.)	0	--	--
Load Factor Surcharge/Rebate (Rs.)		Taxable Rent (Rs.)	0	0	0
FPPPA Charges (Rs.)		Municipal Contribution (Rs.)	0	0	0
Adjustment for Excess Demand (Rs.)		Conservancy Charges (Rs.)	0	0	0
Delay Payment Surcharge (Rs.)		Miscellaneous Charges (Rs.)	0	0	0
Early / Digital Pay Rebate (Rs.)		GST Rate (%)		9%	9%
Interest on Security Deposit (Rs.)		Any Other Charges (Rs.) *	0	0	0
Any Other Charges (Rs.) *		TOTAL OTHERS (C)	0	0	0
TOTAL ELECTRICITY (A)	0	BILL AMOUNT=(A+B+C)	18789849.7		

Last Payment Detail	Establishment No.	1000000H0573099	Service No.		NP/
Receipt No.	TATAPOWER RTGS-	Receipt Date	29.11.2022	Receipt Amount	-3616528.19
Cheque No.		Cheque Date		Bank Name	

BEWARE,fake power disconnection message is being circulated by scammers.Please do not call the number or download app. For any queries call 0657-66-46000/52230

NEFT/RTGS Details for Payment

Account No: JUSCTS0010051793; Beneficiary Name: TATA STEEL LIMITED JUSCO TOWN SERVICES; Bank Name: HDFC BANK LTD; Branch Name: Kanjurmarg Branch, Mumbai; IFSC Code: HDFC0004989

Bill Certified

Scan To Pay

TAX INVOICE / Bill of Supply

Original for recipient

JUSCO — TATA STEEL

Utility Bill Cum Notice Jamshedpur

NAME & ADDRESS		BILL DETAILS	
Recipient (BP) No.	0010051793-Consumer No0000341	Bill Type Periodic Bill Bill No.	003020443341
Recipient (BP) Name	TATA ELECTRIC CO. .	Payment Due Date (Current Bill)	21.02.2023
		No. of Pages	01 of 01
Address	JOJOBERA POWER PLANT , P.O. RAHARGORA,Hol. No. 563 JAMSHEDPUR Rahargora JAMSHEDPUR-831001	Old Balance / SD Req. Amt (Rs.)	0
		Total of all pages (Rs.)	18324183.95
		Previous Outstanding (Rs.)	140399823.71
Jharkhand GST State Code - 20 Recipient GSTIN -		TCS Bill Amount	0
Phone No.		GRAND TOTAL (RS.)	158724007.66
Email Address	harsh.lunia@tatapower.com	TSL GSTIN - 20AAACT2803M2ZO	
Contracted Demand	0 KW		
Bill Date	31.01.2023 Bill Month Jan	Period of Bill 25.12.2022 To 25.01.2023 S.Hr.	
Security Deposit Amount (Elec.)	0	Connection Charges Due (Water)	

METER DETAIL AND CONSUMPTION HISTORY

ELECTRICITY

Meter & MR Details		Consumption History			
Rate Category		Month	KWH	KVAH	MD
Meter Serial No.					
Meter Card No.					
Multiplying Factor					
Meter Status					
Reading Status					
Curr. Reading Date					
Last Reading Date					
Current Reading	KWH	KVAH			
Last Reading	KWH	KVAH			
Unit [Diff X MF] (C)	KWH	KVAH			

WATER

Meter & MR Details		Consumption History			
Rate Category	CLARIFIED INDUSTRIAL				
Meter Sl. No.	78048919000	Month	KL		
Meter Card No.	78048919000	DEC(OK)	694634.00		
M.F.	1.0	NOV(OK)	676285.00		
Meter Status	CONNECTED	OCT(OK)	747403.00		
Reading Status	OK	SEP(OK)	758499.00		
Current. Rdg. Dt.	25.01.2023	AUG(OK)	779977.00		
Last Rdg.Dt.	26.12.2022	JUL(OK)	760204.00		
Current Rdg.	5094421.0000 KL	Meter Size (mm)			
Last Rdg.	4417002.0000 KL	800 mm			

Electricity Charges		Water Charges		CGST	SGST
Total Consumed KWH (C+P) or B or D		Charged Units (KL)	677419.00		
Total Consumed kVAh (C+P) or B or D		Consumed/ Flat Charges (Rs.)	18324183.95		
Print MD / Billing MD (KW/kVA)		Delay Payment Surcharge (Rs.)	0		
Load factor (%)		Meter Service Charges (Rs.)	0	0	0
Energy Charges (Rs.)		Any Other Charges (Rs.)	0	0	0
Jharkhand Electricity Duty (Rs.)		TOTAL WATER (B)	18324183.95	0	0
Fixed/Demand Charges (Rs.)		Other Charges		CGST	SGST
Voltage Rebate (Rs.)		Non Taxable Rent (Rs.)	0	--	--
Load Factor Surcharge/Rebate (Rs.)		Taxable Rent (Rs.)	0	0	0
FPPPA Charges (Rs.)		Municipal Contribution (Rs.)	0	0	0
Adjustment for Excess Demand (Rs.)		Conservancy Charges (Rs.)	0	0	0
Delay Payment Surcharge (Rs.)		Miscellaneous Charges (Rs.)	0	0	0
Early / Digital Pay Rebate (Rs.)		GST Rate (%)		9%	9%
Interest on Security Deposit (Rs.)		Any Other Charges (Rs.) *	0	0	0
Any Other Charges (Rs.) *		TOTAL OTHERS (C)	0	0	0
TOTAL ELECTRICITY (A)	0	BILL AMOUNT=(A+B+C)	18324184		

Last Payment Detail	Establishment No.	1000000H0573099	Service No.	NP/
Receipt No.	TATAPOWER RTGS-	Receipt Date	27.01.2023	Receipt Amount -2885171.68
Cheque No.		Cheque Date		Bank Name

BEWARE,fake power disconnection message is being circulated by scammers.Please do not call the number or download app. For any queries call 0657-66-46000/52230

NEFT/RTGS Details for Payment

Account No: JUSCTS0010051793; Beneficiary Name: TATA STEEL LIMITED JUSCO TOWN SERVICES; Bank Name: HDFC BANK LTD; Branch Name: Kanjurmarg Branch, Mumbai; IFSC Code: HDFC0004989

Bill Certified

Scan To Pay

TAX INVOICE / Bill of Supply

Original for recipient

JUSCO — TATA STEEL

Utility Bill Cum Notice Jamshedpur

NAME & ADDRESS		BILL DETAILS	
Recipient (BP) No.	0010051793-Consumer No0000341	Bill Type: Periodic Bill — Bill No.	003020532631
Recipient (BP) Name	TATA ELECTRIC CO. .	Payment Due Date (Current Bill)	21.03.2023
		No. of Pages	01 of 01
Address	JOJOBERA POWER PLANT , P.O. RAHARGORA,Hol. No. 563 JAMSHEDPUR Rahargora JAMSHEDPUR-831001	Old Balance / SD Req. Amt (Rs.)	0
		Total of all pages (Rs.)	18988045.05
		Previous Outstanding (Rs.)	155820045.98
Jharkhand GST State Code - 20 Recipient GSTIN -		TCS Bill Amount	0
Phone No.		GRAND TOTAL (RS.)	174808091.03
Email Address	harsh.lunia@tatapower.com	TSL GSTIN - 20AAACT2803M2ZO	
Contracted Demand	0 KW		
Bill Date	28.02.2023 — Bill Month: Feb	Period of Bill: 25.01.2023 To 25.02.2023 — S.Hr.	
Security Deposit Amount (Elec.)	0	Connection Charges Due (Water)	

METER DETAIL AND CONSUMPTION HISTORY

ELECTRICITY

Meter & MR Details		Consumption History			
Rate Category		Month	KWH	KVAH	MD
Meter Serial No.					
Meter Card No.					
Multiplying Factor					
Meter Status					
Reading Status					
Curr. Reading Date					
Last Reading Date					
Current Reading	KWH	KVAH			
Last Reading	KWH	KVAH			
Unit [Diff X MF] (C)	KWH	KVAH			

WATER

Meter & MR Details		Consumption History		
Rate Category	CLARIFIED INDUSTRIAL			
Meter Sl. No.	78048919000	Month	KL	
Meter Card No.	78048919000	JAN(OK)	677419.00	
M.F.	1.0	DEC(OK)	694634.00	
Meter Status	CONNECTED	NOV(OK)	676285.00	
Reading Status	OK	OCT(OK)	747403.00	
Current. Rdg. Dt.	25.02.2023	SEP(OK)	758499.00	
Last Rdg.Dt.	26.01.2023	AUG(OK)	779977.00	
Current Rdg.	5796382.0000 KL	Meter Size (mm)		
Last Rdg.	5094421.0000 KL	800 mm		

Electricity Charges		Water Charges		CGST	SGST
Total Consumed KWH (C+P) or B or D		Charged Units (KL)	701961.00		
Total Consumed kVAh (C+P) or B or D		Consumed/ Flat Charges (Rs.)	18988045.05		
Print MD / Billing MD (KW/kVA)		Delay Payment Surcharge (Rs.)	0		
Load factor (%)		Meter Service Charges (Rs.)	0	0	0
Energy Charges (Rs.)		Any Other Charges (Rs.)	0	0	0
Jharkhand Electricity Duty (Rs.)		TOTAL WATER (B)	18988045.05	0	0
Fixed/Demand Charges (Rs.)		**Other Charges**		**CGST**	**SGST**
Voltage Rebate (Rs.)		Non Taxable Rent (Rs.)	0	--	--
Load Factor Surcharge/Rebate (Rs.)		Taxable Rent (Rs.)	0	0	0
FPPPA Charges (Rs.)		Municipal Contribution (Rs.)	0	0	0
Adjustment for Excess Demand (Rs.)		Conservancy Charges (Rs.)	0	0	0
Delay Payment Surcharge (Rs.)		Miscellaneous Charges (Rs.)	0	0	0
Early / Digital Pay Rebate (Rs.)		GST Rate (%)		9%	9%
Interest on Security Deposit (Rs.)		Any Other Charges (Rs.) *	0	0	0
Any Other Charges (Rs.) *		TOTAL OTHERS (C)	0	0	0
TOTAL ELECTRICITY (A)	0	BILL AMOUNT=(A+B+C)	18988045.1		

Last Payment Detail	Establishment No.	1000000H0573099	Service No.		NP/
Receipt No.	TATAPOWER RTGS-	Receipt Date.	27.01.2023	Receipt Amount	-2885171.68
Cheque No.		Cheque Date		Bank Name	

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NEFT/RTGS Details for Payment

Account No: JUSCTS0010051793; Beneficiary Name: TATA STEEL LIMITED JUSCO TOWN SERVICES; Bank Name: HDFC BANK LTD; Branch Name: Kanjurmarg Branch, Mumbai; IFSC Code: HDFC0004989

Bill Certified

Scan To Pay

TAX INVOICE / Bill of Supply

486

Original for recipient

JUSCO — TATA STEEL

Utility Bill Cum Notice Jamshedpur

NAME & ADDRESS		BILL DETAILS	
Recipient (BP) No.	0010051793-Consumer No0000341	Bill Type: Periodic Bill — Bill No.	003020616032
Recipient (BP) Name	TATA ELECTRIC CO. .	Payment Due Date (Current Bill)	20.04.2023
		No. of Pages	01 of 01
Address	JOJOBERA POWER PLANT , P.O. RAHARGORA,Hol. No. 563 JAMSHEDPUR Rahargora JAMSHEDPUR-831001	Old Balance / SD Req. Amt (Rs.)	0
		Total of all pages (Rs.)	17643443.65
		Previous Outstanding (Rs.)	135977047.07
Jharkhand GST State Code - 20 Recipient GSTIN -		TCS Bill Amount	0
Phone No.		GRAND TOTAL (RS.)	153620490.72
Email Address	harsh.lunia@tatapower.com	TSL GSTIN - 20AAACT2803M2ZO	
Contracted Demand	0 KW		
Bill Date	30.03.2023 — Bill Month: Mar	Period of Bill: 25.02.2023 To 25.02.2023	S.Hr.
Security Deposit Amount (Elec.)	0	Connection Charges Due (Water)	

METER DETAIL AND CONSUMPTION HISTORY

ELECTRICITY

Meter & MF Details		Consumption History	Month	KWH	KVAH	MD
Rate Category						
Meter Serial No.						
Meter Card No.						
Multiplying Factor						
Meter Status						
Reading Status						
Curr. Reading Date						
Last Reading Date						
Current Reading	KWH	KVAH				
Last Reading	KWH	KVAH				
Unit (Diff X MF) (C)	KWH	KVAH				

WATER

Meter & MF Details		Consumption History	Month	KL
Rate Category	CLARIFIED INDUSTRIAL			
Meter Sl. No.	78048919000		FEB(CK)	701961.00
Meter Card No.	78048919000		JAN(OK)	677413.00
M.F.	1.0		DEC(OK)	594634.00
Meter Status	CONNECTED		NOV(OK)	676285.00
Reading Status	OK		OCT(OK)	747403.00
Current. Rdg. Dt.	25.03.2023		SEP(OK)	758499.00
Last Rdg.Dt.	26.02.2023			
Current Rdg.	6448635.0000 KL	Meter Size (mm)		
Last Rdg	5796382.0000 KL	800 mm		

Electricity Charges		Water Charges		CGST	SGST
Total Consumed KWH (C+P) or B or D		Charged Units (KL)	652253.00		
Total Consumed KVAh (C+P) or B or D		Consumed/ Flat Charges (Rs.)	17643443.65		
Print MD / Billing MD (KW/kVA)		Delay Payment Surcharge (Rs.)	0		
Load factor (%)		Meter Service Charges (Rs.)	0	0	0
Energy Charges (Rs.)		Any Other Charges (Rs.)	0	0	0
Jharkhand Electricity Duty (Rs.)		TOTAL WATER (B)	17643443.65	0	0
Fixed/Demand Charges (Rs.)		Other Charges		CGST	SGST
Voltage Rebate (Rs.)		Non Taxable Rent (Rs.)	0	–	–
Load Factor Surcharge/Rebate (Rs.)		Taxable Rent (Rs.)	0	0	0
FPPPA Charges (Rs.)		Municipal Commission (Rs.)	0	0	0
Adjustment for Excess Demand (Rs.)		Conservancy Charges (Rs.)	0	0	0
Delay Payment Surcharge (Rs.)		Miscellaneous Charges (Rs.)	0	0	0
Early / Digital Pay Rebate (Rs.)		GST Rate (%)		9%	9%
Interest on Security Deposit (Rs.)		Any Other Charges (Rs.) *	0	0	0
Any Other Charges (Rs.) *		TOTAL OTHERS (C)	0	0	0
TOTAL ELECTRICITY (A)	0	BILL AMOUNT=(A+B+C)	17643443.65		

Last Payment Detail	Establishment No.	1000000H0573099	Service No.		NP/
Receipt No.	TATAPOWER-RTGS-	Receipt Date	28.03.2023	Receipt Amount	-35685941
Cheque No.		Cheque Date		Bank Name	

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NEFT/RTGS Details for Payment

Account No: JUSCTS0010051793; Beneficiary Name: TATA STEEL LIMITED JUSCO TOWN SERVICES; Bank Name: HDFC BANK LTD; Branch Name: Kanjurmarg Branch, Mumbai; IFSC Code: HDFC0004989

Bill Certified

ANNEXURE-P18

STATEMENT OF TERMINAL BENEFITS AND ITS ALLOCATION TO UNITS 1 TO 4 OF THE TATA POWER COMPANY LIMITED, JOJOBERA THERMAL POWER PLANT FOR THE FINANCIAL YEAR ENDED 31ST MARCH, 2023.

(Amount in ₹)

Units -->	TOTAL	Unit 1	Unit 2	Unit 3	Unit 4
	100%	25%	25%	25%	25%
Units in MW ---->	427.5	67.5	120	120	120
FY2022 - 23	TOTAL	Unit 1	Unit 2	Unit 3	Unit 4
EBE - CONTRIBUTION TO PROVIDENT FUND	1,03,52,612.00	17,96,723.00	28,51,963.00	28,51,963.00	28,51,963.00
EBE - CONTRIBUTION TO SUPERANNUATION FUND	30,19,333.00	5,24,014.00	8,31,773.00	8,31,773.00	8,31,773.00
EBE - RETIRING GRATUITIES	-48,68,422.00	-8,44,927.00	-13,41,165.00	-13,41,165.00	-13,41,165.00
EBE - CO CONTRIBUTION TO PENSION-RPFC	26,04,101.00	4,51,949.00	7,17,384.00	7,17,384.00	7,17,384.00
EBE - PENSION	33,85,715.00	5,87,600.00	9,32,705.00	9,32,705.00	9,32,705.00
TOTAL	**1,44,93,339.00**	**25,15,359.00**	**39,92,660.00**	**39,92,660.00**	**39,92,660.00**

For the Tata Power Company Limited

Authorized Signatory

Place: Mumbai

TATA POWER
The Tata Power Company Limited
Corporate Finance & Accounts Corporate Centre 'B' Block 34 Sant Tukaram Road Carnac Bunder Mumbai 400 009
Tel 91 22 6717 1000 Fax Corporate Accounts 91 22 6717 1500
Registered Office Bombay House 24 Homi Mody Street Mumbai 400 001
CIN : L28920MH1919PLC000567 Website : www.tatapower.com Email : tatapower@tatapower.com

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ANNEXURE-P19

Secretary,
Jharkhand State Electricity Regulatory Commission
1st Floor, Jharkhand Housing Board Headquarter (Old Building)
Harmu Housing Colony, Ranchi-834002

Subject: Regarding Filing of Petition for True Up FY 2021-22 & Annual Performance Review FY 2022-23

Sir,

It is humbly submitted that Tata Power is filing the Petition for True Up FY 2021-22 and Annual Performance Review FY 2022-23 under section 61, 62, 64 and 86 of the Electricity Act 2003 read with JSERC (Conduct of Business) Regulations, 2016 and other applicable regulations of the JSERC (Terms and Conditions for Determination of Generation Tariff) Regulations, 2020 for kind perusal and consideration of the Hon'ble Commission.

With respect to Filing fees, it is submitted that as per Fees Schedule, Tata Power has computed the application fees for above Petition, which works out to Rs.14,20,000. Tata Power has remitted the above amount through NEFT ("National Electronic Funds Transfer") to JSERC's Account No SB 6605256646 and the details of the fee remitted are as follows:

Unique Transaction Reference ("UTR No."): HDFCR52022112563084606
Date of Remittance: 25.11.2022
Amount Remitted: Rs. 1420000/
Bank Details from which payment has been remitted: Payment from HDFC bank, Account no:-00870310001151

Tata Power, thus, humbly requests the Hon'ble Commission to kindly accept the aforesaid Petition for Jojobera Units 2 and 3 of Tata Power and initiate the proceedings on the same.

Thanking you,
Yours Sincerely,

Ms. Richa Sanchita
[DELEX ADVOCATE]
Advocates and Solicitors
E: delexadvocate@gmail.com
Office Ph. No. +91-9431137200

झारखण्ड राज्य विद्युत नियामक आयोग

30/11/22

Sunjeet Communications Pvt. Ltd.

GST No. 27AAHCS5011P1Z1

INS ACCREDITED

CIN No. U74300MH2003PTC140473

155, Victoria Bakery Building, Modi Street, Off. Agairy Lane, Near Fish Market, Fort, Mumbai - 400001.
Tel: 022-40792222 Fax: 022-40792219; Email: sunjeetcommunications@gmail.com, Website : sunjeetcommunications.com

Tax Invoice

Buyer (Billed To)

THE TATA POWER CO LTD (JOJOBERA POWER PLANT)
JOJOBERA POWER PLANT,
RAHARGORA, JAMSHEDPUR, East
PAN NO :
GSTIN/UIN: 20AAACT0054A2ZE

Invoice No. : SUN/3200/22-23
Date : 9-Feb-23
Work Order No : 1491 TO 1494

IRN : **b86174aa03a8b4ac06af6b6ff8082478103f15b2120801cca7e4a737101a4aeb**
Ack No. : **122315728507090**
Ack Date : **15-Feb-23**

Description	HSN	Date	Size	Total Space	Rate	Amount
HINDUSTAN TIMES Patna edition Covers Jharkhand Service Code -4085645	**998363**	**3-Feb-23**	**8 X 52**	**416.00**	**227.36**	**94,581.76**
HINDUSTAN TIMES Patna edition Covers Jharkhand Service Code -4123935	**998363**	**4-Feb-23**	**8 X 52**	**416.00**	**227.36**	**94,581.76**
Prabhat Khabar Jharkhand Service Code -4123927	**998363**	**3-Feb-23**	**8 X 51**	**408**	**1,154.37**	**4,70,982.96**
Prabhat Khabar Jharkhand Service Code -4123927	**998363**	**4-Feb-23**	**8 X 51**	**408**	**1,154.37**	**4,70,982.96**
Pioneer Ranchi edition Covers Jharkhand Service Code -4085647	**998363**	**3-Feb-23**	**8 X 51**	**408.00**	**410.18**	**1,67,353.44**
Pioneer Ranchi edition Covers Jharkhand Service Code -4085647	**998363**	**4-Feb-23**	**8 X 51**	**408.00**	**410.18**	**1,67,353.44**
Dainik Bhaskar Jharkhand Service Code -4179838	**998363**	**3-Feb-23**	**8X 52**	**416**	**223.76**	**93,084.16**
Dainik Bhaskar Jharkhand Service Code -4179838	**998363**	**4-Feb-23**	**8 X 52**	**416**	**223.76**	**93,084.16**

Bank : **Kotak Mahindra Bank (698044000183)**
Branch : **Fort,Mumbai**
A/c. No : **698044000183**
IFSC Code : **KKBK0000957**

Total	:	16,52,004.64
IGST @ 5%	:	82,600.24
ROUND OFF	:	0.12
Grand Total	:	17,34,605.00

PAN NO : AAHCS5011P GSTIN NO : 27AAHCS5011P1Z1 MSME : MH33E0059722

Amount In Word : **Rs. Seventeen Lakh Thirty Four Thousand Six Hundred Five Only**

TERMS AND CONDITIONS:

1.Payment due- 30 days from the date of invoice.
2.Interest will be charged @ 18% p.a. on delayed payments plus GST as applicable.
3.All disputes are subject to Mumbai Jurisdiction.
4.Any queries to be raised within 7 days from the receipt of the invoice.
5.Please mail billing queries/issues on accounts@sunjeetcommunications.com
6.Kindly make payments in favor of M/s. Sunjeet Communications Pvt. Ltd. through RTGS/Cheque/Demand Draft.

For SUNJEET COMMUNICATIONS PVT. LTD - (FY 22-23)

Authorised Signatory

Sunjeet Communications Pvt. Ltd.

GST No. 27AAHCS5011P1Z1

INS ACCREDITED

CIN No. U74300MH2003PTC140473

155, Victoria Bakery Building, Modi Street, Off. Agairy Lane, Near Fish Market, Fort, Mumbai - 400001.
Tel: 022-40792222 Fax: 022-40792219; Email: sunjeetcommunications@gmail.com, Website : sunjeetcommunications.com

Tax Invoice

Buyer (Billed To)

THE TATA POWER COMPANY LITIMTED (JOJOBERA POWER PLANT)
JOJOBERA POWER PLANT,
RAHARGORA, JAMSHEDPUR, East
PAN NO :
GSTIN/UIN: 20AAACT0054A2ZE

Invoice No. : SUN/2540/22-23
Date : 14-Dec-22
Work Order No : 610/611/601, PO-820112975

IRN : **133365f484046514662c78e0d62cd3d2a551804f2af2043f2a5842ab68078b54**
Ack No. : **122215107718973**
Ack Date : **16-Dec-22**

Description	HSN	Date	Size	Total Space	Rate	Amount
HINDUSTAN TIMES Patna edition Covers Jharkhand Service Code - 4085645	998363	13-Dec-22	8 X 35	280.00	227.36	63,660.80
HINDUSTAN TIMES Patna edition Covers Jharkhand Service Code - 4085645	998363	14-Dec-22	8 X 35	280.00	227.36	63,660.80
Hindustan Hindi Jharkhand Service Code - 4123928	998363	13-Dec-22	8 X 35	280	641.48	1,79,614.40
Hindustan Hindi Jharkhand Service Code -4123928	998363	14-Dec-22	8 X 35	280	641.48	1,79,614.40
Pioneer Ranchi edition Covers Jharkhand Service Code -4085647	998363	13-Dec-22	8 x 35	280.00	410.18	1,14,850.40
Pioneer Ranchi edition Covers Jharkhand Service Code -4085647	998363	14-Dec-22	8 x 35	280.00	410.18	1,14,850.40
Dainik Bhaskar Jharkhand Service Code -4179838	998363	13-Dec-22	8 x 35	280	223.76	62,652.80
Dainik Bhaskar Jharkhand Service Code -4179838	998363	13-Dec-22	8x 35	280	223.76	62,652.80

Bank : **Kotak Mahindra Bank (698044000183)**
Branch : **Fort,Mumbai**
A/c. No : **698044000183**
IFSC Code : **KKBK0000957**

Total	:	8,41,556.80
IGST @ 5%	:	42,077.84
ROUND OFF	:	0.36
Grand Total	:	8,83,635.00

PAN NO : AAHCS5011P GSTIN NO : 27AAHCS5011P1Z1 MSME : MH33E0059722

Amount In Word: **Rs. Eight Lakh Eighty Three Thousand Six Hundred Thirty Five Only**

TERMS AND CONDITIONS:

1.Payment due- 30 days from the date of invoice.
2.Interest will be charged @ 18% p.a. on delayed payments plus GST as applicable.
3.All disputes are subject to Mumbai Jurisdiction.
4.Any queries to be raised within 7 days from the receipt of the invoice.
5.Please mail billing queries/issues on accounts@sunjeetcommunications.com
6.Kindly make payments in favor of M/s. Sunjeet Communications Pvt. Ltd. through RTGS/Cheque/Demand Draft.

For SUNJEET COMMUNICATIONS PVT. LTD

SUNIL DILIP CHHABARIA

Digitally signed by SUNIL DILIP CHHABARIA
DN: c=IN, o=SUNJEET COMMUNICATIONS PVT LTD, ou=SUNJEET COMMUNICATIONS PVT LTD, 2.5.4.20=eeed945e6b260e3903dbd4810c5ebf832946be70b019b597242b4b19d22dedf8, postalCode=421002, st=MAHARASHTRA, serialNumber=a86c66caea5587a4284714d7b1fef610d5404af169e4ead5e104eefbdcbe9de5, cn=SUNIL DILIP CHHABARIA, l=THANE, pseudonym=75293a481abc40aab61bf9c83ff60036, email=ACCOUNTS@SUNJEETCOMMUNICATIONS.COM
Date: 2022.12.21 13:04:42 +05'30'

Authorised Signatory

ANNEXURE-P20

Non Tariff Income

Particulars	Unit2	Unit3
30900601 OR-Sale of Fly Ash	13550013	14013053
OR-Sale of Scrap	4121597	4121597
OR-Miscellaneous Revenue	20588	20588
OR-Liquidated Damages	711497	711497
OR-Rental Income from Staff Quarters	225671	225671
Total	18629365	19092405

Other Income

Particulars	Unit2	Unit3
OI-Interest Income from Employee Loans	16772	16772
Total	**16772**	**16772**

The Tata Power Co. Ltd. Jamshedpur-16

TATA POWER
The Tata Power Company Limited
Jojobera Power Plant, Jamshedpur - 831016
Tel 91 657 2276879, 6511543
Registered Office Bombay House 24 Homi Mody Street Mumbai 400 001

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ANNEXURE-P21

S R B C & CO LLP
Chartered Accountants

22, Camac Street
3rd Floor, Block 'B'
Kolkata - 700 016, India
Tel : +91 33 6134 4000

Independent Auditor's Report on Statement of billing summary of Unit 2 and Unit 3 ('Regulated Units') of Jojobera generation plant ('Jojobera Division') of The Tata Power Company Limited

To
The Board of Directors
The Tata Power Company Limited,
Bombay House,
24, Homi Mody Street,
Mumbai 400001.

1. This Report is issued in accordance with the terms of our service scope letter dated August 16, 2023 read with Master Engagement Agreement dated July 20, 2022 with The Tata Power Company Limited (hereinafter the "Company") having its Registered Office at Bombay House, 24, Homi Mody Street, Mumbai 400001, for the year ended 31st March 2023.

2. At the request of the management, we have examined the attached "Statement of billing summary of Unit 2 and Unit 3 ('Regulated Units') of Jojobera generation plant ('Jojobera Division') of the Company" (hereinafter referred as the "Statement"), prepared by the Company based on books of accounts and other relevant records and documents underlying the audited standalone financial statements of the Company for the year ended March 31, 2023, which we have initialed for identification purposes only. This Report and the Statement are required by the Company for submission to Jharkhand State Electricity Regulatory Commission (JSERC) for the purpose of true up of tariff for the year ended March 31, 2023 required under para 23.5 read with para 25.2 of JSERC (Terms and Conditions for Determination of Generation Tariff) Regulations, 2020. Unit 2 and Unit 3 are regulated by JSERC.

Management's Responsibility for the Statement

3. The preparation of the accompanying Statement is the responsibility of the Management of the Company including the preparation and maintenance of all accounting and other relevant supporting records and documents. This responsibility also includes the design, implementation and maintenance of internal control relevant to the preparation and presentation of the Statement and applying an appropriate basis of preparation and making estimates that are reasonable in the circumstances.

4. The Management is also responsible for ensuring that the Company complies with the requirements of all the relevant information and for providing all relevant information to the JSERC for determination of the tariff.

Auditor's Responsibility for the Statement

5. Pursuant to the request of the Company for its onward submission to JSERC as mentioned in paragraph 2 above, it is our responsibility to provide a limited assurance based on our examination whether the monthly billing of the regulated units at Jojobera Division of the Company for the year ended March 31, 2023 as stated in the Statement have been extracted from the relevant books of accounts and records underlying the audited standalone financial statements for the year ended March 31, 2023.

6. We have audited the standalone financial statements of the Company for the year ended March 31, 2023, on which we have issued an unmodified opinion vide our report dated May 4, 2023. Our audit of the standalone financial statements was conducted in accordance with the Standards on Auditing, as specified under section 143(10) of the Companies Act 2013 and other applicable authoritative pronouncement issued by the Institute of Chartered Accountants of India ("ICAI"). Those Standards require that we plan and perform the audit to obtain reasonable assurance about whether the standalone financial statements are free of material misstatement. Our audits were not planned and performed in connection with any transactions to identify matters that may be of potential interest to third parties.



7. We conducted our examination of the Statement in accordance with the Guidance Note on Reports or Certificates for Special Purposes (revised) issued by the Institute of Chartered Accountants of India ("ICAI"). The Guidance Note requires that we comply with the ethical requirements of the Code of Ethics issued by the Institute of Chartered Accountants of India.

8. We have complied with the relevant applicable requirements of the Standard on Quality Control (SQC) 1, Quality Control for Firms that Perform Audits and Reviews of Historical Financial Information, and Other Assurance and Related Services Engagements.

9. A limited assurance engagement involves performing procedures to obtain sufficient appropriate evidence on the reporting criteria mentioned in paragraph 5 above. The procedures performed vary in nature and timing from and are less extent that for, a reasonable assurance. Consequently, the level of assurance obtained is substantially lower than the assurance that would have been obtained had we performed a reasonable assurance engagement. Accordingly, we have performed the following procedures in relation to the Statement:

   a) Obtained the unit wise statement of monthly billing of Unit 2 and Unit 3 for the year ended March 31, 2023.
   b) Traced the monthly billing amounts of Unit 2 and Unit 3 of Jojobera division as set out in the Statement with the relevant books of accounts underlying the audited standalone financial statements. Further, verified the arithmetical accuracy of the Statement and reconciled the total billed amount with the sales recorded as per the relevant books of accounts.
   c) Traced the monthly bill details in the Statement to the monthly bills raised on the customer.
   d) Obtained necessary representations from management.

Conclusion

10. Based on the procedures performed by us as referred to in paragraph 9 above and according to the information, explanations and management representations received by us, nothing has come to our attention that causes us to believe that the "Statement" has not been accurately extracted from the relevant books of account and records underlying the audited standalone financial statements for the year ended March 31, 2023.

Restriction on Use

11. This report is addressed to and provided to the Board of Directors of the Company solely for the purpose mentioned in paragraph 2 above and should not be used by any other person or for any other purpose. Accordingly, we do not accept or assume any liability or any duty of care for any other purpose or to any other person to whom this report is shown or into whose hands it may come without our prior consent in writing. We have no responsibility to update this report for events and circumstances occurring after the date of this report.

For S R B C & CO LLP
Chartered Accountants
ICAI Firm Registration Number: 324982E/E300003

per Sanjay Agarwal
Partner
UDIN No: 23055833BGXYKJ3281
Membership Number: 055833

Place of Signature: Kolkata
Date: November 17, 2023

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Tata Power Limited - Jojobera Division

Statement of Billing Summary of Unit 2 and Unit 3 ('Regulated Units') of Jojobera generation plant ('Jojobera Division') of the Company for the year ended March 31, 2023

Particulars	Apr-22	May-22	Jun-22	Jul-22	Aug-22	Sep-22	Oct-22	Nov-22	Dec-22	Jan-22	Feb-23	Mar-23	Total
Unit 2													
Fixed Charges	8,87,73,300	8,87,73,300	8,87,73,300	8,87,73,300	8,87,73,300	8,87,73,300	8,87,73,300	8,69,33,333	8,69,33,333	8,69,33,333	8,69,33,333	8,69,33,333	1,05,60,79,765
Energy Charges	21,24,35,151	19,59,08,144	21,08,89,552	20,04,32,784	19,09,06,245	17,94,03,395	19,96,67,748	19,30,36,001	16,00,27,605	19,51,24,097	16,11,95,763	18,94,08,637	2,28,83,75,622
Incentive	43,08,564	(9,89,045)	39,52,333	33,796	(21,41,886)	(33,04,501)	(1,36,358)	22,69,978	(80,12,880)	-	-	-	1
Fuel Price Adjustment - Coal	(1,57,55,189)	1,10,37,465	1,87,79,717	57,52,008	2,47,84,142	1,50,77,279	66,38,737	1,79,76,859	(40,23,088)	1,08,79,314	1,76,77,768	5,15,52,247	15,98,27,259
Fuel Price Adjustment - Oil	4,33,069	5,98,769	6,44,558	7,25,879	7,96,561	7,96,919	9,29,453	11,23,607	9,48,882	11,56,742	16,08,736	11,83,924	1,03,46,899
Discount	(29,56,170)	(10,57,546)	(30,99,088)	(27,36,184)	(15,71,307)	(25,75,170)	(25,31,393)	(25,00,781)	(30,70,187)	(35,56,980)	(26,77,484)	(28,66,176)	(3,05,98,466)
Other Adjustments	-	-	-	-	-	-	-	-	-	-	-	(35,89,239)	(35,89,239)
Sub-total Unit 2	**28,72,38,725**	**29,43,21,087**	**31,99,40,372**	**29,30,01,593**	**30,15,47,055**	**27,81,71,722**	**29,26,81,487**	**29,08,38,997**	**23,68,03,665**	**29,05,36,506**	**26,47,38,116**	**32,26,22,726**	**3,48,04,41,841**
Recovery of FY 2019-20	-	-	-	-	-	-	-	-	1,87,75,000	1,87,75,000	1,87,75,000	1,87,75,000	7,51,00,000
Refund of FY 2021-22	-	-	-	-	-	-	-	-	(1,37,19,899)	(1,37,19,899)	(1,37,19,899)	(1,37,19,899)	(5,48,79,595)
Refund of FY 2022-23	-	-	-	-	-	-	-	-	(32,19,941)	(32,19,941)	(32,19,941)	(32,19,941)	(1,28,79,764)
Net Total	**28,72,38,725**	**29,43,21,087**	**31,99,40,372**	**29,30,01,593**	**30,15,47,055**	**27,81,71,722**	**29,26,81,487**	**29,08,38,997**	**23,86,38,625**	**29,23,71,666**	**26,65,73,376**	**32,44,57,886**	**3,48,77,82,482**

Particulars	Apr-22	May-22	Jun-22	Jul-22	Aug-22	Sep-22	Oct-22	Nov-22	Dec-22	Jan-22	Feb-23	Mar-23	Total
Unit 3													
Fixed Charges	8,24,65,959	8,24,65,959	8,24,65,959	8,24,65,959	8,24,65,959	8,24,65,959	8,24,65,959	8,52,00,000	8,52,00,000	8,52,00,000	8,52,00,000	8,52,00,000	1,00,32,61,733
Energy Charges	20,24,06,150	21,38,82,774	20,14,38,732	21,45,66,569	21,45,05,362	20,45,73,436	18,44,70,419	12,69,79,486	17,23,18,468	21,86,17,051	19,54,12,416	22,72,21,636	2,37,63,94,499
Incentive	20,29,279	31,87,791	18,06,154	33,45,501	33,31,384	25,29,142	(35,95,867)	(1,26,33,585)	-	-	29,74,452	76,76,695	1,06,51,056
Fuel Price Adjustment - Coal	14,16,49,593)	92,41,129	1,48,34,693	1,16,34,117	1,89,96,045	1,37,63,338	1,50,65,085	53,57,100	(1,12,52,545)	73,09,822	1,77,27,047	5,61,15,409	11,71,41,847
Fuel Price Adjustment - Oil	42,0088	6,61,744	6,23,242	7,85,212	9,03,255	9,16,606	8,66,103	7,20,262	9,95,544	12,63,027	11,91,728	13,84,136	1,07,30,947
Discount	(28,78,089)	(23,13,027)	(35,61,726)	(25,52,903)	(17,21,091)	(27,10,526)	(21,56,392)	(10,16,890)	(31,05,000)	(29,22,315)	(18,94,110)	(34,40,461)	(3,02,80,638)
Other Adjustments	-	-	-	-	-	-	-	-	(6,74,115)	-	-	(31,58,382)	(38,32,497)
Sub-total Unit 3	**24,27,93,194**	**30,71,26,370**	**29,76,07,054**	**31,02,37,455**	**31,84,80,914**	**30,15,38,155**	**27,71,14,807**	**20,46,06,573**	**24,34,82,352**	**30,94,67,585**	**30,06,11,525**	**37,10,00,943**	**3,48,40,66,927**
Recovery of FY 2019-20	-	-	-	-	-	-	-	-	1,34,75,000	1,34,75,000	1,34,75,000	1,34,75,000	5,39,00,000
Recovery of FY 2021-22	-	-	-	-	-	-	-	-	18,27,122	18,27,122	18,27,122	18,27,122	73,08,489
Recovery of FY 2022-23	-	-	-	-	-	-	-	-	47,84,571	47,84,571	47,84,571	47,84,571	1,91,38,285
Net Total	**24,27,93,194**	**30,71,26,370**	**29,76,07,054**	**31,02,37,455**	**31,84,80,914**	**30,15,38,155**	**27,71,14,807**	**20,46,06,573**	**26,35,69,046**	**32,95,54,279**	**32,06,98,219**	**39,10,87,637**	**3,86,44,13,701**

Bill Summary for Unit 2 & 3 for FY 2022-23

Particulars	Unit 2	Unit 3
Fixed Charges	1,05,60,79,765	1,00,32,61,733
Energy Charges	2,28,83,75,622	2,37,63,94,499
Incentive	1	1,06,51,056
Fuel Price Adjustment	17,01,74,158	12,78,72,794
Discount	(3,05,98,466)	(3,02,80,638)
Adjustment	(35,89,239)	(38,32,497)
Total Billed Amount	**3,48,04,41,841**	**3,48,40,66,927**
Recovered/Refunded) Amount	73,40,641	3,03,46,774

Note:

1 The above information has been extracted from books of accounts maintained by the Jojobera Division of the Company.
2 The 'Discount' represents discount passed on to the customer as per SHAKTI (Scheme for Harnessing and Allocating Koyla Transparently in India) scheme.
3 The 'Other Adjustments' represents adjustments in billing arising due to reconciliation and adjustments in previous month SHAKTI Discounts.
4 The "Recovery of 2019-20" represents the amount recovered for FY 2019-20 pursuant to true up order for 2019-20 dated November 4,2022
5 The "Recovery / (Refund) of FY 2021-22 & FY 2022-23 " represents recovery / (refund) for FY 2021-22 and FY 2022-23(for the Period April'22 to October'22) commencing from the month of December 2022 in four equal installments pursuant to MYT Order for the Control Period (FY 2021-22 to FY 2025-26) dated November 4, 2022.

For and on behalf of The Tata Power Company Limited

Authorised Signatory
Place : Jojobera
Date : 17.11.2023

Jagmit Singh Sidhu
CEO - IEL & Chief - Jamshedpur Operations
The Tata Power Company Ltd.
Jamshedpur-831016

The Tata Power Co. Ltd. Jamshedpur-16

SRBC & COLLP Kolkata

TATA POWER
The Tata Power Company Limited
Jojobera Power Plant, Jamshedpur - 831016
Tel 91 657 2276879, 6511543
Registered Office Bombay House 24 Homi Mody Street Mumbai 400 001

Tata Power Limited - Jojobera Division

Statement of Billing Summary of Unit 2 and Unit 3 ('Regulated Units') of Jojobera generation plant ('Jojobera Division') of the Company for the year ended March 31, 2023

Particulars	Apr-22	May-22	Jun-22	Jul-22	Aug-22	Sep-22	Oct-22	Nov-22	Dec-22	Jan-22	Feb-23	Mar-23	Total
Unit 2													
Fixed Charges	8,87,73,300	8,87,73,300	8,87,73,300	8,87,73,300	8,87,73,300	8,87,73,300	8,87,73,300	8,69,33,333	8,69,33,333	8,69,33,333	8,69,33,333	8,69,33,333	1,05,60,79,765
Energy Charges	21,24,35,151	19,59,08,144	21,08,89,552	20,04,32,784	19,09,06,245	17,94,03,895	19,96,07,748	19,30,36,001	16,00,27,605	19,51,24,097	16,11,95,763	18,94,08,637	2,28,83,75,622
Incentive	43,08,564	(9,89,045)	39,52,333	53,796	(21,41,886)	(33,04,501)	(1,36,358)	22,69,978	(40,12,880)				1
Fuel Price Adjustment - Coal	(1,57,55,189)	1,10,87,465	1,87,79,717	57,52,008	2,47,84,142	1,50,77,279	60,38,737	1,79,76,859	(40,23,088)	1,08,79,314	1,76,77,768	5,15,52,247	15,98,27,259
Fuel Price Adjustment - Oil	4,33,069	5,98,769	6,44,558	7,25,879	7,96,561	7,96,919	9,29,453	11,23,607	9,48,682	11,56,742	10,08,736	11,83,924	1,03,46,899
Discount	(29,56,170)	(10,57,546)	(30,99,088)	(27,36,184)	(15,71,307)	(25,75,170)	(25,31,393)	(25,00,781)	(30,70,187)	(35,56,980)	(20,77,484)	(28,66,176)	(3,05,98,466)
Other Adjustments		-		-	-	-		-	-			(35,89,239)	(35,89,239)
Sub-total Unit 2	**28,72,38,725**	**29,43,21,087**	**31,99,40,372**	**29,30,01,583**	**30,15,47,055**	**27,81,71,722**	**29,26,81,487**	**29,88,38,997**	**23,68,03,465**	**29,05,36,506**	**26,47,38,116**	**32,26,22,726**	**3,48,04,41,841**
Recovery of FY 2019-20									1,87,75,000	1,87,75,000	1,87,75,000	1,87,75,000	7,51,00,000
Refund of FY 2021-22	-	-	-	-	-	-	-	-	(1,37,19,899)	(1,37,19,899)	(1,37,19,899)	(1,37,19,899)	(5,48,79,595)
Refund of FY 2022-23									(32,19,941)	(32,19,941)	(32,19,941)	(32,19,941)	(1,28,79,764)
Net Total	**28,72,38,725**	**29,43,21,087**	**31,99,40,372**	**29,30,01,583**	**30,15,47,055**	**27,81,71,722**	**29,26,81,487**	**29,88,38,997**	**23,86,38,625**	**29,23,71,666**	**26,65,73,276**	**32,44,57,886**	**3,48,77,82,482**

3,41,26,82,482

Particulars	Apr-22	May-22	Jun-22	Jul-22	Aug-22	Sep-22	Oct-22	Nov-22	Dec-22	Jan-22	Feb-23	Mar-23	Total
Unit 3													
Fixed Charges	8,24,65,959	8,24,65,959	8,24,65,959	8,24,65,959	8,24,65,959	8,24,65,959	8,24,65,959	8,52,00,000	8,52,00,000	8,52,00,000	8,52,00,000	8,52,00,000	1,00,32,61,713
Energy Charges	202406150	21,38,82,774	20,14,38,732	21,45,66,569	21,45,05,362	20,45,73,436	18,44,70,419	12,69,79,486	17,23,18,468	21,86,17,051	19,54,12,416	22,72,23,636	2,37,63,94,499
Incentive	2029279	31,87,791	18,06,154	33,45,501	33,31,384	25,29,142	(35,95,867)	(1,26,33,385)			29,74,452	76,76,605	1,06,51,056
Fuel Price Adjustment - Coal	(4,16,49,593)	92,41,129	1,48,34,693	1,16,34,117	1,89,96,045	1,37,63,538	1,50,65,085	53,57,100	(1,12,52,545)	73,09,822	1,77,27,047	5,61,15,409	11,71,41,847
Fuel Price Adjustment - Oil	420088	6,61,744	6,23,242	7,85,212	9,03,255	9,16,606	8,66,103	7,20,262	9,95,544	12,63,027	11,91,728	13,84,136	1,07,30,947
Discount	(28,78,689)	(23,13,027)	(35,61,726)	(25,59,903)	(17,21,091)	(27,10,526)	(21,56,892)	(10,16,890)	(31,05,000)	(29,22,315)	(18,94,118)	(34,40,461)	(3,02,80,638)
Other Adjustments	-	-		-	-	-	-	-	(6,74,115)	-	-	(31,58,382)	(38,32,497)
Sub-total Unit 3	**24,27,93,194**	**30,71,26,370**	**29,76,07,054**	**31,02,37,455**	**31,84,80,914**	**30,15,38,155**	**27,71,14,807**	**20,46,06,573**	**24,34,82,352**	**30,94,67,585**	**30,06,11,525**	**37,10,00,943**	**3,48,40,66,927**
Recovery of FY 2019-20									1,34,75,000	1,34,75,000	1,34,75,000	1,34,75,000	5,39,00,000
Recovery of FY 2021-22									18,27,122	18,27,122	18,27,122	18,27,122	73,08,489
Recovery of FY 2022-23	-	-	-	-	-	-	-	-	47,84,571	47,84,571	47,84,571	47,84,571	1,91,38,285
Net Total	**24,27,93,194**	**30,71,26,370**	**29,76,07,054**	**31,02,37,455**	**31,84,80,914**	**30,15,38,155**	**27,71,14,807**	**20,46,06,573**	**26,35,69,046**	**32,95,54,279**	**32,06,98,219**	**39,10,87,637**	**3,56,44,13,701**

3,51,05,13,701

Rs

Bill Summary for Unit 2 & 3 for FY 2022-23		
Particulars	**Unit 2**	**Unit 3**
Fixed Charges	1,05,60,79,765	1,00,32,61,713
Energy Charges	2,28,83,75,622	2,37,63,94,499
Incentive	1	1,06,51,056
Fuel Price Adjustment	17,01,74,158	12,78,72,794
Discount	(3,05,98,466)	(3,02,80,638)
Adjustment	(35,89,239)	(38,32,497)
Total Billed Amount	**3,48,04,41,841**	**3,48,40,66,927**
Recovered(Refunded) Amount	73,40,641	8,03,46,774

Note:

1 The above information has been extracted from books of accounts maintained by the Jojobera Division of the Company.

2 The 'Discount' represents discount passed on to the customer as per SHAKTI (Scheme for Harnesssing and Allocating Koyla Transparently in India) scheme.

3 The "Recovery" represents the amount recovered for FY 2019-20 pursuant to true up order for 2019-20 dated November 4,2022.

4 The "Refund" represents refund for FY 2021-22 and FY 2022-23(for the Period April'22 to October'22) commencing from the month of December 2022 in four equal installments pursuant to MYT Order for the Control Period (FY 2021-22 to FY 2025-26) dated November 4, 2022.

For and on behalf of The Tata Power Company Limited

Authorised Signatory
Place : Jojobera
Date :

ANNEXURE - P22

Annexure P2a: Operational Parameters

2023-24 Projected

Unit 2	UoM	Apr-23	May-23	Jun-23	Jul-23	Aug-23	Sep-23	Oct-23	Nov-23	Dec-23	Jan-24	Feb-24	Mar-24	Total
Generation	MUs	80.75	79.37	84.14	83.52	86.32	76.95	62.93	48.57	88.44	63.24	63.02	71.42	**888.68**
Availability	%	**99.56%**	**99.69%**	**99.53%**	**99.66%**	**99.05%**	**98.16%**	**99.16%**	85.00%	85.00%	85.00%	85.00%	85.00%	**93.34%**
PLF	**%**	93.46%	88.90%	97.38%	93.55%	96.68%	89.07%	70.49%	56.22%	99.06%	70.83%	75.46%	80.00%	**84.54%**
Auxilliary Consumption	MUs	6.28	6.45	7.11	7.23	6.96	6.77	6.05	4.86	8.84	6.32	6.30	7.14	**80.32**
Auxilliary Consumption	%	7.77%	8.13%	8.45%	8.66%	8.06%	8.80%	9.61%	10.00%	10.00%	10.00%	10.00%	10.00%	**9.04%**
Heat Rate	Kcal/kWh	**2527**	**2535**	**2535**	**2536**	**2536**	**2556**	**2550**	**2567**	**2567**	**2567**	**2567**	**2567**	**2549.36**
Unit 3	**UoM**	**Apr-23**	**May-23**	**Jun-23**	**Jul-23**	**Aug-23**	**Sep-23**	**Oct-23**	**Nov-23**	**Dec-23**	**Jan-24**	**Feb-24**	**Mar-24**	**Total**
Generation	MUs	84.90	80.61	78.33	76.49	78.61	76.07	77.08	74.81	2.16	77.38	71.08	81.84	**859.35**
Availability	%	99.80%	98.66%	99.23%	99.84%	99.48%	99.88%	98.34%	85.0%	3%	85.00%	85.00%	85.00%	**86.44%**
PLF	%	98.26%	90.29%	90.66%	85.67%	88.05%	88.04%	86.33%	86.58%	2.42%	86.67%	85.11%	91.67%	**81.75%**
Auxilliary Consumption	MUs	6.78	6.83	6.74	6.87	7.00	6.74	6.78	7.48	0.22	7.74	7.11	8.18	**78.47**
Auxilliary Consumption	%	7.99%	8.47%	8.60%	8.99%	8.90%	8.86%	8.79%	10.00%	10.00%	10.00%	10.00%	10.00%	**9.13%**
Heat Rate	Kcal/kWh	**2525**	**2535**	**2537**	**2540**	**2540**	**2543**	**2540**	**2577**	**2577**	**2577**	**2577**	**2577**	**2551.21**

Annexure P2a: Operational Parameters Combined for Unit 2&3

Unit-2&3 Combined	UoM	Apr-23	May-23	Jun-23	Jul-23	Aug-23	Sep-23	Oct-23	Nov-23	Dec-23	Jan-24	Feb-24	Mar-24	Total
Generation	MUs	165.65	159.98	162.47	160.01	164.93	153.02	140.01	123.38	90.60	140.62	134.11	153.27	**1748.03**
Availability	%	99.68%	99.17%	99.38%	99.75%	99.26%	99.02%	98.75%	85.00%	44.11%	85.00%	85.00%	85.00%	**89.89%**
PLF	**%**	95.86%	89.59%	94.02%	89.61%	92.37%	88.55%	78.41%	71.40%	50.74%	78.75%	80.29%	85.84%	**83.14%**
Auxilliary Consumption	MUs	13.06	13.28	13.84	14.11	13.96	13.52	12.83	12.34	9.06	14.06	13.41	15.33	**158.79**
Auxilliary Consumption	%	7.89%	8.30%	8.52%	8.82%	8.46%	8.83%	9.16%	10.00%	10.00%	10.00%	10.00%	10.00%	**9.08%**
Heat Rate	Kcal/kWh	2526.36	2534.66	2535.68	2537.62	2537.97	2549.45	2544.56	2573.06	2567.24	2572.50	2572.30	2572.34	**2550.27**

Month-wise & Source-wise projected Coal Consumption & Calorific Value for FY 2023-24(Actual upto Oct-23 and estimated for Nov-23 onwards															
Unit 2	**UoM**	**Apr-23**	**May-23**	**Jun-23**	**Jul-23**	**Aug-23**	**Sep-23**	**Oct-23**	**Nov-23**	**Dec-23**	**Jan-24**	**Feb-24**	**Mar-24**	**FY 24**	**Mix**
Middling Coal Consumption	Ton	23442				2057	12253	5003	2725	0	0	0	0	45479.63	7.4%
Middling GCV	Kcal/Kg	4128				4012	3524	3453	3871	3871	3871	3871	3871	3870.51	
Middling Landed Price	Rs/MT	5696				4875	4643	4592	5226	5226	5226	5226	5226	5225.54	
CCL Shakti R3 Coal Consumption	Ton	4299	4289	962	40859	25104	24645	15115	17649	34187	23514	29558	37866	258047.51	42.2%
CCL Shakti R3 GCV	Kcal/Kg	3671	3610	3761	3737	3889	3619	3463	3702	3702	3702	3702	3702	3702.02	
CCL Shakti R3 Landed Price	Rs/MT	3350	3340	3965	3572	2883	2723	3600	3230	3230	3230	3230	3230	3230.48	
CCL Shakti WIV Coal Consumption	Ton	12579	30501	24347	1298				0	0	0	0	0	68725.86	11.2%
CCL Shakti WIV GCV	Kcal/Kg	4081	4033	3918	3842									3997.13	
CCL Shakti WIV Landed Price	Rs/MT	4833	4809	4848	4848									4827.95	
CCL Shakti Coal Consumption	Ton	3792	12568	14704	1443	5570	11247	15967	829	0	0	0	0	66120.65	10.8%
CCL Shakti Coal GCV	Kcal/Kg	3793	3592	3833	3819	3945	3619	3530	3682	3682	3682	3682	3682	3682.41	
CCL Shakti Coal Landed Price	Rs/MT	3870	3918	4054	3844	3035	3110	3864	3716	3716	3716	3716	3716	3716.48	
MCL Shakti Coal Consumption	Ton	8605	3231	3161	10610	8627	7628	3983	6142	23094	12308	5350	9212	101950.34	16.7%
MCL Shakti Coal GCV	Kcal/Kg	2960	3059	3011	2912	2866	2747	2841	2896	2896	2896	2896	2896	2895.87	
MCL Shakti Coal Landed Price	Rs/MT	2745	2795	2833	2860	2901	2645	2732	2793	2793	2793	2793	2793	2792.79	
ECL Shakti Coal Consumption	Ton			9136	474	13154		4400	3031	0	5031	3619	1815	40660.87	6.6%
ECL Shakti GCV	Kcal/Kg			4657	4692	4815		4700	4741	4741	4741	4741	4741	4741.04	
ECL Shakti Landed Price	Rs/MT			5366	5847	5683		5834	5604	5604	5604	5604	5604	5603.70	
CCL SFA/eAuction Consumption	Ton		2419						159	403	236	1081	0	4297.91	0.7%
CCL SFA/eAuction GCV	Kcal/Kg		3168						3871	3871	3871	3871	3871	3475.02	
CCL SFA/eAuction Landed Price	Rs/MT		3525						5226	5226	5226	5226	5226	4268.32	
WB Reject Coal Consumption	Ton	40		1124	352				0	0	0	0	0	1515.17	0.2%
WB Reject Coal GCV	Kcal/Kg	1905		1905	1905				1905	1905	1905	1905	1905	1904.80	
WB Reject Coal Landed Price	Rs/MT	4519		4519	4519				4519	4519	4519	4519	4519	4519.00	
WB Tailing Coal Consumption	Ton	60		878	3501	707	147	514	3031	7516	3463	3619	1789	25225.42	4.1%
WB Tailing Coal GCV	Kcal/Kg	4205		4195	4201	4201	4201	4205	4200	4200	4200	4200	4200	4200.10	
WB Tailing Coal Landed Price	Rs/MT	9220		7384	7384	7384	7384	7384	7403	7403	7403	7403	7403	7402.97	
Total Consumption	Ton	52817.00	53008.00	54312.25	58537.12	55219.00	55920.64	44982.00	33565.58	65201.08	44552.00	43226.75	50681.94	612023.36	100.0%
Wt. Avg GCV	Kcal/Kg	3863.71	3795.22	3926.35	3616.26	3964.15	3480.72	3559.86	3707.33	3474.95	3636.26	3735.13	3610.28	3694.79	
Wt. Avg Price	Rs/MT	4690.75	4297.53	4621.42	3730.06	3699.99	3223.19	3988.95	3924.95	3568.80	3712.45	3774.13	3383.20	3877.83	
Wt. Avg Price of Coal	Rs/MkCal	1214.05	1132.35	1177.03	1031.47	933.36	926.01	1120.53	1058.70	1027.01	1020.95	1010.44	937.10	1049.54	

Unit 3	UoM	Apr-23	May-23	Jun-23	Jul-23	Aug-23	Sep-23	Oct-23	Nov-23	Dec-23	Jan-24	Feb-24	Mar-24	FY 24	Mix
Middling Coal Consumption	Ton	29397	7211	0	0	1536	11323	6175	4196	0	0	0	0	59838.14	10.10%
Middling GCV	Kcal/Kg	4129	4127	0	0	4012	3520	3452	3926	3926	3926	3926	3926	3926.27	
Middling Landed Price	Rs/MT	5696	6915	0	0	4875	4643	4592	5495	5495	5495	5495	5495	5494.51	
CCL Shakti R3 Coal Consumption*	Ton	4899	4547	900	44085	27926	22305	17295	27179	835	28772	33339	43390	255472.84	43.11%
CCL Shakti R3 GCV*	Kcal/Kg	3675	3610	3760	3736	3801	3615	3456	3682	3682	3682	3682	3682	3681.82	
CCL Shakti R3 Landed Price*	Rs/MT	3350	3340	3965	3572	2883	2723	3600	3248	3248	3248	3248	3248	3248.26	
CCL Shakti WIV Coal Consumption	Ton	8357	28726	6438	764	0	0	0	0	0	0	0	0	44284.73	7.47%
CCL Shakti WIV GCV	Kcal/Kg	4104	4027	3980	3842	0	0	0	0	0	0	0	0	4031.85	
CCL Shakti WIV Landed Price	Rs/MT	4833	4809	4848	4848	0	0	0	4820	4820	4820	4820	4820	4819.87	
CCL Shakti Coal Consumption	Ton	3796	8479	17638	1161	11435	13398	17069	1277	0	0	0	0	74252.50	12.53%
CCL Shakti Coal GCV	Kcal/Kg	3766	3351	3859	3832	3980	3620	3541	3695	0	0	0	0	3695.49	
CCL Shakti Coal Landed Price	Rs/MT	3870	3918	4054	3844	3035	3110	3864	3648	3648	3648	3648	3648	3647.87	
MCL Shakti Coal Consumption	Ton	8929	3030	9907	4542	10184	8402	5456	9458	564	15060	6035	10555	92123.23	15.55%
MCL Shakti Coal GCV	Kcal/Kg	2957	3058	3040	2931	2823	2745	2841	2902	2902	2902	2902	2902	2902.25	
MCL Shakti Coal Landed Price	Rs/MT	2745	2795	2833	2860	2901	2645	2732	2789	2789	2789	2789	2789	2789.07	
ECL Shakti Coal Consumption	Ton	0	0	13422	541	2641	0	6842	4669	0	6157	4081	2079	40431.69	6.82%
ECL Shakti GCV	Kcal/Kg	0	0	4601	4692	4828	0	4713	4662	4662	4662	4662	4662	4661.51	
ECL Shakti Landed Price	Rs/MT	0	0	5366	5847	5683	0	5834	5549	5549	5549	5549	5549	5549.38	
CCL SFA Consumption	Ton	0	1463	0	0	0	0	0	583	18	727	1624	0	4415.12	0.75%
CCL SFA GCV	Kcal/Kg	0	3168	0	0	0	0	0	3926	3926	3926	3926	3926	3675.04	
CCL SFA Landed Price	Rs/MT	0	3525	0	0	0	0	0	5495	5495	5495	5495	5495	4842.05	
WB Reject Coal Consumption	Ton	0	0	998	171	0	0	0	0	0	0	0	0	1168.80	0.20%
WB Reject Coal GCV	Kcal/Kg	0	0	1905	1905	0	0	0	1905	1905	1905	1905	1905	1904.80	
WB Reject Coal Landed Price	Rs/MT	0	0	4519	4519	0	0	0	4519	4519	4519	4519	4519	4519.00	
WB 2P/Tailing Coal Consumption	Ton	0	0	1873	1416	75	126	1461	4669	184	4237	4081	2475	20597.32	3.48%
WB 2P/Tailing Coal GCV	Kcal/Kg	0	0	4196	4201	4201	4201	4214	4203	4203	4203	4203	4203	4202.71	
WB 2P/Tailing Coal Landed Price	Rs/MT	0	0	7384	7384	7384	7384	7384	7384	7384	7384	7384	7384	7384.00	
Total Consumption	Ton	55378	53456	51176	52680	53797	55554	54298	52031	1601	54953	49160	58500	592584.37	100%
Wt. Avg GCV	Kcal/Kg	3871	3820	3883	3686	3711	3467	3599	3698	3470	3621	3719	3598	3694.58	
Wt. Avg Price	Rs/MT	4757	4678	4391	3664	3119	3206	4092	3958	3587	3729	3801	3422	3886.35	
Wt. Avg Price of Coal	Rs/MkCal	1229	1225	1131	994	841	925	1137	1071	1034	1030	1022	951	1051.91	

Combined Unit-2 and 3															
	UoM	Apr-23	May-23	Jun-23	Jul-23	Aug-23	Sep-23	Oct-23	Nov-23	Dec-23	Jan-24	Feb-24	Mar-24	**Total**	
Middling Coal Consumption	Ton	52839	7211	-	-	3593	23576	11178	6921	-	-	-	-	105318	8.74%
Middling GCV	Kcal/Kg	4129	4127	-	-	4012	3522	3452	3904	-	-	-	-	3902	
Middling Landed Price	Rs/MT	5696	6915	-	-	4875	4643	4592	5389	-	-	-	-	5378	
CCL Shakti R3 Coal Consumption	Ton	9198	8836	1862	84944	53030	46950	32410	44828	35023	52286	62897	81257	513520	42.63%
CCL Shakti R3 GCV	Kcal/Kg	3673	3610	3761	3736	3843	3617	3459	3690	3702	3691	3691	3691	3692	
CCL Shakti R3 Landed Price	Rs/MT	3350	3340	3965	3572	2883	2723	3600	3241	3231	3240	3240	3240	3239	
CCL Shakti WIV Coal Consumption	Ton	20936	59227	30785	2062	-	-	-	-	-	-	-	-	113011	9.38%
CCL Shakti WIV GCV	Kcal/Kg	4090	4030	3931	3842	-	-	-	-	-	-	-	-	4011	
CCL Shakti WIV Landed Price	Rs/MT	4833	4809	4848	4848	-	-	-	-	-	-	-	-	4825	
CCL Shakti Coal Consumption	Ton	7588	21047	32343	2604	17005	24645	33036	2106	-	-	-	-	140373	11.65%
CCL Shakti Coal GCV	Kcal/Kg	3779	3495	3847	3825	3968	3620	3536	3690	-	-	-	-	3689	
CCL Shakti Coal Landed Price	Rs/MT	3870	3918	4054	3844	3035	3110	3864	3675	-	-	-	-	3680	
MCL Shakti Coal Consumption	Ton	17534	6261	13068	15152	18811	16030	9439	15600	23658	27368	11385	19767	194074	16.11%
MCL Shakti Coal GCV	Kcal/Kg	2958	3058	3033	2918	2843	2746	2841	2900	2896	2899	2899	2899	2899	
MCL Shakti Coal Landed Price	Rs/MT	2745	2795	2833	2860	2901	2645	2732	2791	2793	2791	2791	2791	2791	
ECL Shakti Coal Consumption	Ton	-	-	22558	1015	15795	-	11242	7700	-	11188	7700	3894	81093	6.73%
ECL Shakti GCV	Kcal/Kg	-	-	4624	4692	4817	-	4708	4693	-	4697	4699	4699	4701	
ECL Shakti Landed Price	Rs/MT	-	-	5366	5847	5683	-	5834	5571	-	5574	5575	5575	5577	
CCL SFA Consumption	Ton	-	3882	-	-	-	-	-	742	422	963	2705	-	8713	0.72%
CCL SFA GCV	Kcal/Kg	-	3168	-	-	-	-	-	3914	3873	3913	3904	-	3576	
CCL SFA Landed Price	Rs/MT	-	3525	-	-	-	-	-	5437	5237	5429	5387	-	4559	
WB Reject Coal Consumption	Ton	40	-	2121	523	-	-	-	-	-	-	-	-	2684	0.22%
WB Reject Coal GCV	Kcal/Kg	1905	-	1905	1905	-	-	-	-	-	-	-	-	1905	
WB Reject Coal Landed Price	Rs/MT	4519	-	4519	4519	-	-	-	-	-	-	-	-	4519	
WB Tailing Coal Consumption	Ton	60	-	2751	4917	782	274	1975	7700	7700	7700	7700	4264	45823	3.80%
WB Tailing Coal GCV	Kcal/Kg	4205	-	4196	4201	4201	4201	4212	4202	4200	4202	4201	4202	4201	
WB Tailing Coal Landed Price	Rs/MT	9220	-	7384	7384	7384	7384	7384	7391	7403	7393	7393	7392	7394	
Total Consumption	Ton	**108195**	**106464**	**105488**	**111217**	**109016**	**111475**	**99280**	**85596**	**66803**	**99505**	**92387**	**109182**	**1204608**	100.00%
Wt. Avg GCV	**Kcal/Kg**	**3867.46**	**3807.50**	**3905.26**	**3649.49**	**3839.07**	**3473.68**	**3581.39**	**3701.38**	**3474.82**	**3628.01**	**3726.43**	**3603.71**	**3694.68**	
Wt. Avg Price	**Rs/MT**	**4724.78704**	**4488.32**	**4509.63**	**3698.77**	**3413.45**	**3214.86**	**4045.26**	**3945.33**	**3569.23**	**3721.49**	**3788.16**	**3404.09**	**3882.03**	
Wt. Avg Price of Coal	**Rs/MkCal**	**1221.68**	**1178.81**	**1154.76**	**1013.50**	**889.13**	**925.49**	**1129.52**	**1065.91**	**1027.17**	**1025.77**	**1016.57**	**944.61**	**1050.71**	

Annexure P2c: Unit-wise & Month-wise projected Consumption and Landed Price of LDO

FY 2023-24

Unit 2	UoM	Apr-23	May-23	Jun-23	Jul-23	Aug-23	Sep-23	Oct-23	Nov-23	Dec-23	Jan-24	Feb-24	Mar-24	Total
LDO Consumption	KL	2.0	1.0	0.5	10.00	1.50	196.50	35.00	24.29	44.22	31.62	31.51	35.71	**414**
Generation	MU	80.75	79.37	84.14	83.52	86.32	76.95	62.93	48.57	88.44	63.24	63.02	71.42	**889**
LDO Landed Price	Rs/KL	76464	76330	76330	75797	75379	77307	81771	77855	77855	77855	77855	77855	**77855**
Calorific Value	Kcal/L	10592	10720	10270	10470	10625	10340	10245	10337	10337	10337	10337	10337	**10337**
Unit 3	**UoM**	**Apr-23**	**May-23**	**Jun-23**	**Jul-23**	**Aug-23**	**Sep-23**	**Oct-23**	**Nov-23**	**Dec-23**	**Jan-24**	**Feb-24**	**Mar-24**	**Total**
LDO Consumption	KL	2.00	11.50	0.50	5.00	5.00	82.61	33.50	37.40	1.08	38.69	35.54	40.92	**294**
Generation	MU	84.90	80.61	78.33	76.49	78.61	76.07	77.08	74.81	2.16	77.38	71.08	81.84	**859**
LDO Landed Price	Rs/KL	76464	76330	76330	75797	75379	77307	81771	78156	78156	78156	78156	78156	**78156**
Calorific Value	Kcal/L	10592	10720	10270	10470	10625	10340	10245	10367	10367	10367	10367	10367	**10367**

Unit-2&3 combined

Unit 2&3	UoM	Apr-23	May-23	Jun-23	Jul-23	Aug-23	Sep-23	Oct-23	Nov-23	Dec-23	Jan-24	Feb-24	Mar-24	Total
LDO Consumption	KL	4.00	12.50	1.00	15.00	6.50	279.11	68.50	61.69	45.30	70.31	67.05	76.63	**708**
Generation	MU	165.65	159.98	162.47	160.01	164.93	153.02	140.01	123.38	90.60	140.62	134.11	153.27	**1748**
LDO Landed Price	Rs/KL	76464	76330	76330	75797	75379	77307	81771	78038	77862	78021	78015	78016	**77980**
Calorific Value	Kcal/L	10592	10720	10270	10470	10625	10340	10245	10355	10338	10353	10353	10353	**10349**

Annexure P2d Unit-wise & Month-wise projected Raw Water Consumption (Actual upto Oct-23 and Nov-23 onwards estimated)

FY 2023-24

Unit 2	**UoM**	**Apr-23**	**May-23**	**Jun-23**	**Jul-23**	**Aug-23**	**Sep-23**	**Oct-23**	**Nov-23**	**Dec-23**	**Jan-24**	**Feb-24**	**Mar-24**	**Total**
Raw Water Consumption	m3	190703	188120	204754	195295	193507	184553	140782	113883	207352	148261	147762	167456	**2082428**
Generation	MU	80.75	79.37	84.14	83.52	86.32	76.95	62.93	48.57	88.44	63.24	63.02	71.42	**889**
Sp. Raw Water Consumption	m3/MWH	2.36	2.37	2.43	2.34	2.24	2.40	2.24	2.34	2.34	2.34	2.34	2.34	**2.34**
Unit 3	**UoM**	**Apr-23**	**May-23**	**Jun-23**	**Jul-23**	**Aug-23**	**Sep-23**	**Oct-23**	**Nov-23**	**Dec-23**	**Jan-24**	**Feb-24**	**Mar-24**	**Total**
Raw Water Consumption	m3	200493	191059	190632	178852	176237	182427	172416	175230	5061	181259	166513	191716	**2011893**
Generation	MU	84.90	80.61	78.33	76.49	78.61	76.07	77.08	74.81	2.16	77.38	71.08	81.84	**859**
Sp. Raw Water Consumption	m3/MWH	2.36	2.37	2.43	2.34	2.24	2.40	2.24	2.34	2.34	2.34	2.34	2.34	**2.34**

Combined for Unit 2&3	**UoM**	**Apr-23**	**May-23**	**Jun-23**	**Jul-23**	**Aug-23**	**Sep-23**	**Oct-23**	**Nov-23**	**Dec-23**	**Jan-24**	**Feb-24**	**Mar-24**	**Total**
Raw Water Consumption	m3	391196	379179	395386	374147	369743	366980	313198	289113	212413	329520	314275	359171	**4094322**
Generation	MU	165.65	159.98	162.47	160.01	164.93	153.02	140.01	123.38	90.60	140.62	134.11	153.27	**1748**
Sp. Raw Water Consumption	m3/MWH	2.36	2.37	2.43	2.34	2.24	2.40	2.24	2.34	2.34	2.34	2.34	2.34	**2.34**

ANNEXURE-P23

JPP/ 404/2023
30.09.2023

The Secretary
Jharkhand State Electricity Regulatory Commission
1st Floor, Jharkhand Housing Board Headquarter (Old Building)
Harmu Housing Colony, Ranchi-834002

Subject: Submission of Report on Fuel Mix for Q1 FY 2023-24

Sir,

This is in reference to the Tariff Order dated 04.11.2022 and earlier Orders dated 14.02.2020 and 27.12.2019, wherein Hon'ble Commission directed Tata Power to submit quarterly report with regard to variations in Coal Mix compared to what had been approved along with reasons for the same. Directive of the Hon'ble Commission in this regard is reproduced below for ready reference:

"A 9: DIRECTIVES

Fuel Mix

9.3 The Commission has observed that due to various reasons, the Petitioner has procured coal from sources other than what had been approved. Such variations lead to a change in the fuel mix and the landed cost. The Petitioner is directed to bring to the notice of the Commission any such changes with regard to coal mix with proper justification on Quarterly basis. Further, the Petitioner is directed to carry out techno-commercial audit to identify the reasons for high energy charge and submit the report within six months of issuance of this Order."

"

In view of the above directive, Tata Power hereby in the enclosed Appendix-A is providing the fuel mix report of Q1 FY 2023-24 for kind consideration of the Hon'ble Commission.

Thanking you,

Yours Sincerely,

(Jagmit Singh Sidhu)
CEO-IEL & Chief - Jamshedpur Operation

Enclosure: Appendix-A.

TATA POWER
The Tata Power Company Limited
Jojobera Power Plant, Jamshedpur - 831016
Tel 91 657 2276879, 6511543
Registered Office Bombay House 24 Homi Mody Street Mumbai 400 001

Printed on 100 % Recycled Paper

APPENDIX-A

Quarterly Report on the Fuel Mix – (April-May-June-2023)/FY 23-24(Q1)

1. The Hon'ble Commission in the Tariff Order dated 22.05.2023 in Case Tariff No. 06 of 2022 and in earlier Tariff Orders directed Tata Power to submit quarterly report with regard to variations in Coal Mix compared to what had been approved along with reasons for the same. Directive of the Hon'ble Commission in this regard is reproduced below for ready reference:

   "A 9: DIRECTIVES

   Fuel Mix

   9.3 The Commission has observed that due to various reasons, the Petitioner has procured coal from sources other than what had been approved. Such variations lead to a change in the fuel mix and the landed cost. The Petitioner is directed to bring to the notice of the Commission any such changes with regard to coal mix with proper justification on Quarterly basis. Further, the Petitioner is directed to carry out techno-commercial audit to identify the reasons for high energy charge and submit the report within six months of issuance of this Order."

2. In view of the above directive, Tata Power through the instant submission is submitting the actual fuel Mix for the period April 2023 to June 2023, i.e., Quarter 1 (Q1) of FY 2023-24, highlighting the deviations from the approved coal mix in MYT Order dated 04.11.2022 for FY 2023-24 and reasons for the same for kind perusal and consideration of the Hon'ble Commission.

3. A summary of the approved fuel mix in the MYT Order vis-à-vis actual fuel mix for Q1 FY 2023-24 with regard to Unit 2 and Unit 3 is presented below for kind perusal and consideration of the Hon'ble Commission:

Unit	Unit 2 April 23 - June 23		Unit 3 April 23 - June 23	
Particulars	Approved in MYT Order	Actual	Approved in MYT Order	Actual
Middling	21.25%	14.64%	21.24%	22.88%
ECL Shakti	6.47%	5.71%	6.47%	8.39%
MCL Shakti	14.05%	9.37%	14.05%	13.67%
CCL Shakti	14.59%	19.40%	14.60%	18.69%
CCL Shakti R3	43.64%	5.96%	43.64%	6.47%
CCL SFA Coal	0%	1.51%	0%	0.91%
CCl Shakti WIV	0%	42.11%	0%	27.20%
WB Reject/Tailing	0%	1.31%	0%	1.79%
Total	**100.00%**	**100.00%**	**100.00%**	**100.00%**

4. The deviations (actual vis-à-vis approved coal mix) as shown above is mainly due to combined effect of following factors which were beyond the control of Tata Power:
   (a) Significant Increase in Demand of Distribution Licensee compared to initial estimation, thus, requiring more coal than initially projected for meeting the increased demand. Actual PLF for Q1 was about 93 % against the initial projection of about 85% for both the Units.

(b) Supply of CCL allocations under RCR mode in terms of Sub-Group Decision on Coal Supply to Generating Companies.
(c) Further, small quantity of WB reject/tailing coals were also consumed which were procured to meet the excess demand of the distribution licensee.

5. The above reasons are discussed in detail hereunder:

6. With respect to point (a), it is submitted that actual PLF for Units 2 & 3 for Q1 (FY 23-24) was about 93%, which is significantly higher compared to initial projection of about 85%. Therefore, to meet the increased demand, Tata Power had to source additional coal leading to variations in the fuel mix. Also, variations in fuel mix are on account of either monthly variations in supply of linkage coal or actual consumption depending upon the demand of the licensee. Such variations in supply and consumption are unavoidable and beyond the control of Tata Power.
7. Further to above, it is pertinent to mention that the linkage under shakti coal is only sufficient corresponding to PLF of 75% and, hence, the balance coal has to be arranged from alternate sources including Middling Coal, other reject coal from collieries of West Bokaro, e-auction coal or Imported coal. The above fact was also highlighted by the Petitioner in the MYT Petition and was acknowledged by the Hon'ble Commission in the MYT Order dated 04.11.2022. Accordingly, Petitioner sourced coal from available sources to meet the coal requirement other than middling coal as projected initially and the same is inevitable and beyond the control of Tata Power.
8. With respect to point (b), it may kindly be noted that the Ministry of Power (MoP) in series of directions/notifications including directions issued in FY 23 and FY 24 recognized the shortage of domestic coal and advised generating stations to procure imported coal to meet shortfall. So far, the Petitioner has averted the need of high cost imported coal by relying upon FSA coal or other domestic sources. A copy of the MoP's direction dated 09.01.2023 in this regard is enclosed herewith and marked as **Annexure-1**.
9. Moreover, the Sub-Group comprising members from MoP, MoC, Railways, CEA, CIL and officials from Generating companies during the weekly review meeting on supply of coal to Plants having lesser coal stock, has recommended a maximum of 0.5 to 1 Rake in Road cum Rail (RCR) mode only from CCL to Jojobera Units 2&3. Sample Minutes of the Sub-Group weekly meetings are enclosed herewith and marked as **Annexure-2** wherein supply plan from CCL to Jojobera plant is indicated through RCR mode only. Supply from some of the mines was not even regular due to logistic constraints.
10. In view of above coal crisis and in consonance with the instruction of the Sub-Group committee, coal supply from CCL to Jojobera unit was constrained to be supplied under RCR mode only. The above restriction has thus impacted the coal materialization of CCL Coal, led to supply of CCL WIV Coal which impacted the overall coal cost and the same was beyond the control of Tata Power.
11. It would not be out of place to mention that sourcing of Imported coal could have impacted the Energy Charge Rate severely, however, with all proactive and diligent measures, Tata power was able to manage its coal requirements through CIL and Collieries of West Bokaro thereby containing the overall increase in coal cost.

Impact on Energy Charge Rate:

12. Pursuant to change in fuel mix for Q1 for reasons stated above, the Petitioner assessed the deviations in the Energy Charge Rate for Q1 FY 2023-24 compared to the ECR approved in the MYT Order. Such deviations have been categorized under following heads:
    (a) Variation due to change in GCV/Price of the approved sources which has led to the increase in the coal cost and, hence, such increase/decrease is basically on account of market forces/recommendation of subgroup/Revision in Coal Price (Coal Prices has increased by about 9%) by Coal India Limited vide its Notification dated 30.05.2023 which is beyond the control of the Petitioner.
    (b) Variation due to change in fuel mix for reasons as stated above.

13. Difference in ECR for Q1 of FY 2023-24 compared to ECR approved in the MYT Order for FY 23-24 and effect of each factor as stated above on ECR have been demonstrated in the Table below for kind perusal of the Hon'ble Commission. The detailed workings for the same have been enclosed in **ANNEXURE-3** for kind reference of the Hon'ble Commission. For instant submission, Transit loss has been considered at the Normative Level and, hence, impact of the same on the Energy Charge Rate is nil for the instant submission. However, Tata Power shall update the actual Transit Loss figures or any other claim pertaining to energy charges at the time of true-up.

Unit 2:

	Particulars - Unit 2				
Sl.No	**Period**	**Apr 23 - June 23**			
1	Fuel Mix (In terms of Quantity)	UoM	Approved in MYT Order	Actual (w/o change in fuel mix)	Actual
	Non-SHAKTI Coal	%	21.25%	21.25%	17.46%
	SHAKTI Coal	%	78.75%	78.75%	82.54%
2	Weighted Avg. GCV_{NS} Coal	kCal/Kg	3861	4128	3955
	Weighted Avg. LP_{NS} Coal	Rs/MT	4223	5696	5520
	Weighted Avg. GCV_{S} Coal	kCal/Kg	3816	3632	3843
	Weighted Avg. LP_{S} Coal	Rs/MT	3587	3561	4329
	Weighted Avg. GCV_{EFF} Coal	kCal/Kg	3825	3737	3862
	Weighted Avg. LP_{EFF} Coal	Rs/MT	3722	4015	4537
	Weighted Avg. GCV_{LDO}	KCal/L	9100	10484	10484
	Weighted Avg. LP_{LDO}	Rs/KL	45198	76330	76330
3	ECR_{NS} Coal	Rs/kWh	3.029	3.820	3.864
4	ECR_{S} Coal		2.603	2.715	3.120
5	ECR_{EFF} Coal		2.695	2.974	3.253
6	ECR_{LDO}		0.025	0.042	0.042
7	Discount due to SHAKTI Coal		0.045	0.039	0.042
8	$ECR_{EFF\ (WITH\ SHAKTI\ Discount)}$		2.675	2.978	3.253

9	$ECR_{ACTUAL-PROPOSED}$	Rs/kWh			0.578
	i - Variation due to Change in GCV/Price of Coal				0.303
	ii - Variation due to Change in Fuel Mix of Coal				0.275

Unit 3:

	Particulars - Unit 3				
Sl.No	**Period**	**Apr 23 - June 23**			
1	Fuel Mix (In terms of Quantity)	UoM	Proposed in MYT Petition	Actual (w/o change in fuel mix)	Actual
	Non-SHAKTI Coal	%	21.24%	21.24%	25.59%
	SHAKTI Coal	%	78.76%	78.76%	74.41%
2	Weighted Avg. GCV_{NS} Coal	kCal/Kg	3860	4128	4043
	Weighted Avg. LP_{NS} Coal	Rs/MT	4223	5936	5882
	Weighted Avg. GCV_{S} Coal	kCal/Kg	3817	3687	3794
	Weighted Avg. LP_{S} Coal	Rs/MT	3713	3529	4177
	Weighted Avg. GCV_{EFF} Coal	kCal/Kg	3826	3781	3858
	Weighted Avg. LP_{EFF} Coal	Rs/MT	3822	4040	4613
	Weighted Avg. GCV_{LDO}	KCal/L	9100	10598	10598
	Weighted Avg. LP_{LDO}	Rs/KL	45196	76442	76442
3	ECR_{NS} Coal	Rs/kWh	3.030	3.981	4.028
4	ECR_{S} Coal		2.695	2.650	3.049
5	ECR_{EFF} Coal		2.767	2.959	3.311
6	ECR_{LDO}		0.025	0.042	0.042
7	Discount due to SHAKTI Coal		0.045	0.039	0.034
8	$ECR_{EFF\ (WITH\ SHAKTI\ Discount)}$		2.747	2.962	3.319
9	$ECR_{ACTUAL-PROPOSED}$	Rs/kWh			0.5726
	i - Variation due to Change in GCV/Price of Coal				0.2150
	ii - Variation due to Change in Fuel Mix of Coal				0.3576

14. As can be seen from the above Tables, ECR for Q1 FY 2023-24 has increased by 57.80 Paise/kWh in Unit 2 and by 57.26 Paise/kWh in Unit 3 respectively compared to approved. Moreover, the above variation is mainly on account of variations in SHAKTI Coal and its supply under RCR mode pursuant to directions/recommendations of the Sub-Group Committee constituted by MoP as explained above in wake of scarcity of coal nationwide, variation in price of middling coal on account of market forces/shortage of coal, increase in cost of LDO owing to market forces which is beyond the

Control of Tata Powe and variations in fuel mix for reasons as stated above. It is worth mentioning that Tata Power has been able to contain the actual ECR for Q1 around Rs. 3.30/kWh by resorting to domestic coal supply only through its continued efforts else sourcing of imported coal would have significantly impacted the ECR compared to actual ECR of about Rs. 3.30/kWh.

15. In view of the foregoing, the Petitioner most humbly prays before this Hon'ble Commission for kind consideration of actual fuel mix and the consequent cost for Q1 FY 2023-24 for Unit 2 and Unit 3.

ANNEXURE-1

File No: FU-21/2020-FSC(Vol-IV)
Government of India
Ministry of Power

Shram Shakti Bhawan, Rafi Marg,
New Delhi, dated 9.1.2023

To,

1. Principal Secretaries/Secretary (Power/Energy) of all State Governments/ UTs
2. CMDs, Thermal Generating Stations (Central, State GENCOs/IPPs)

Subject: Direction to all Gencos including Independent Power Producers (IPPs) for timely Import of Coal for blending purposes and maximising production in captive coal mines – reg.

Due to recent surge in demand and consumption of electricity, the share of coal-based generation has increased. Although the supply of coal from all sources has increased, it is not commensurate with the requirements of thermal power plants (TPPs).

2. Ministry of Power (MoP) is very closely monitoring the coal availability for TPPs. Efforts have been made to increase coal availability from all sources (CIL, SECL, Captive) in coordination with Ministry of Coal (MoC). Although coal supply has increased during Q4, it is not adequate to meet the unprecedented increase in the demand of electricity. Similarly efforts have been made to address logistic issues in cooperation with Ministry of Railways (MoR). In order to ease out the logistic pressure on Railways, MoP has planned to transport available coal from MCL region through RSR mode to TPPs located in Northern & Western parts of the country. Accordingly directions have been issued to source 10 to 15% of their requirement through RSR mode to the States of Gujarat, Rajasthan, Maharashtra and Punjab as well as NTPC. Efforts have also been made to address the constraints in transportation of coal (RCR, Road, ARR) through all modes. Despites the above mentioned efforts, it has been noted that the infrastructure related logistic constraints of Railways will take some time to get fully addressed.

3. Grid India (POSOCO) has reported that the energy demand has increased sharply and it is expected to remain at increased level during H1 of 2023-2024. CEA has accordingly revised the target for coal requirement for Q4 of current FY and H1 of next FY. MoC has committed to supply coal to meet the revised target of 197.7 MT, however it is subject to availability of rakes and other logistic issues. As per the past trend, the likely supply of domestic coal during the H1, FY 2023-24 would be around 392 MT. Thus, around 24 MT would be the anticipated shortfall during the H1 of FY 24. It is noted that the shortfall between the daily coal consumption and the daily arrival of domestic coal is ranging from 3 Lakh Tonnes per day to 1 Lakh Tonnes per day. This shortfall is made up by blending with imported coal. It is assessed that coal stock position without blending of imported coal in DCBs will progressively decline to zero which will severely impact power supply position in the country.

4. Import of coal for blending purpose needs to be done in a streamlined manner in order to avoid clogging of logistics. During Q1 & Q2 of FY 23, imported coal stocks at ports piled up due to logistics constraints.

5. In the light of above scenario where energy demand is increasing and increase in supply of coal is not commensurate with the domestic coal requirement, the need has arisen to continue use imported coal for blending purpose. MoP, after consultation with CEA, MoC, MoR and Association of Power Producers (APP) has decided to direct all Gencos to import coal for blending 6% (by weight) for the remaining period of this current FY and H1 of the next FY (upto September, 2023). The domestic coal supply of those Gencos who do not follow these instructions shall be restricted to pro-rata basis. The Central, State Gencos and IPPs are directed to take necessary action and immediately plan to import coal through a transparent competitive procurement for blending at the rate of 6% by weight so as to have coal stocks at their power plants for smooth operations till September 2023.

6. This issues with the approval of Hon'ble Minister of Power & NRE.

(Subhash Chand)
Under Secretary to the Govt. of India

Copy to:

1. Secretary, Ministry of Coal
2. Secretary, CERC/ All SERCs
3. Chairman, Railway Board
4. Chairman, Central Electricity Authority
5. DG, Association of Power Producers (APP)

Copy also to NIC with the request to upload the same on MoP Portal.

NIC

9.1.2023

ANNEXURE-2

F. No. CPD-23011/85/2022-CPD
Government of India
Ministry of Coal

Shastri Bhawan, New Delhi,
Dated: 28.04.2023

OFFICE MEMORANDUM

Subject: - Minutes of 715th meeting of the Sub-Group (IPP's) constituted by Infrastructure Constraints Review Committee to look into the issues of critical power houses.

The undersigned is directed to forward herewith a copy of the minutes of 715th meeting of the Sub-Group (IPP's) held on 26.04.2023 for reviewing the position of critical thermal power stations for information and necessary action.

Encl. as above

28/04/2023

(Pardeep Kumar)
Assistant Director

To

1. Shri Piyush Singh, JS (Thermal), M/o Power
2. Sh. H.S. Bajwa, ED(Coal), M/o Railways(Railway Board), Rail Bhawan, New Delhi.
3. Sh. Rajesh Asati, DS, Ministry of Shipping, Transport Bhawan, New Delhi.
4. Sh.Gopinath Nayak, DS, Ministry of Shipping, Transport Bhawan, New Delhi.
5. Sh. Manoj Kumar Upadhyay, SRO(Power&Energy), NITI Aayog, Yojana Bhavan, New Delhi.
6. Shri Nitin Prakash, Director, CEA
7. Director (Marketing), CIL, Coal Bhawan, Newtown, Rajarhat, Kolkata-700156.
8. R.O, SCCL, 526, Hawa Singh Block, Khel Gaon, New Delhi.
9. Sh. Bhimsen, CM, CIL, Scope Minar, Laxmi Nagar, New Delhi.
10 Sh. A.K. Gupta, General Manager (S&M), CIL, Newtown, Rajarhat, Kolkata-700156.
11. CMDs of ECL/BCCL/CCL/NCL/SECL/MCL/WCL/SCCL.
12. CMD/MD's of concerned IPP's

Copy to:
(i) PSO to Secy. Coal
(ii) PS to AS (VT)
(iii) PS to JS (CPD)
(iv) PA to DS(CPD)

Copy to: Cabinet Secretariat (Under Secretary, CA-3)

Minutes of the Sub Group (IPP's) meeting held on 26.04.2023 to review Infrastructure Constraints

The meeting of the Sub-Group constituted by the Infrastructure Constraints Review Committee was held on 26.04.2023 through Video Conferenc. It was chaired by Joint Secretary (CPD), Ministry of Coal and attended by officials of MoC, MoP, MoPS&W, Railway Board, CEA, **Talwandi Sabo TPP, Rosa TPP, Balco TPP, Binjkote TPP(SKS Power), Uchpinda TPP (RKM Power gen), Sabarmati TPP, Hiranmayee Energy TPP, Hinduja, Amravati TPP, Avantha Bhandar TPP, Dahanu TPP, GMR Warora TPP,** Tirora **TPP, Paninampuram TPP, Kamalanga TPS, Haldia TPP, Raipur Energen and Mahan TPP,** as well as CIL Kolkata/Subsidiaries HQ/CIL Delhi.

1. Coal Supply to above mentioned IPPs which are having less than 50% normative coal stock was reviewed and discussed.

2. Coal supply position in respect of **Mahatma Gandhi TPP, Kawai TPP, Bajaj Group TPP, Lalitpur TPP, Pathadi TPP, TATA Power Jojobera TPP and Budge Budge TPP** which had more than 100% normative coal stock was discussed by Sub group.

List of Participants is at ANNEXURE

S. No.	Genco/ Power Plant	Coal Company	Supply Plan / Supply as per Subgroup Decision Dated: 19.04.2023		Supply Plan as per Subgroup decision 26.04.2023	Remarks
			Plan	Actual Supply		
1	**Mahatma Gandhi/ Jhajjar**	ECL	0.5 Rake	0.6 Rake	0.5 Rake	Plant has sufficient coal stock at their end.
		BCCL	0.75 Rake	1.2 Rake	0.75 Rake	
		CCL	1.75 Rakes	2.0 Rake	1.0 Rakes	
		NCL	0.5 Rakes	0.6 Rake	0.50 Rakes	
		Total	**3.50 Rakes**	**4.4 Rakes**	**2.75 Rakes**	
2	**Talwandi Sabo**	CCL	1.5 Rake (RCR)	0.0 Rake (RCR)	1.5 Rake (RCR)	Railways to maximize the movement and supply as per subgroup allocation. DO for RCR was
		NCL	0.8 Rake	0.6 Rake	0.80 Rake	
		MCL	8.0 Rakes	4.0 Rakes	8.0 Rakes	

		Total	**10.3 Rakes (Incl. RCR)**	**4.6 Rakes (Incl. RCR)**	**10.30 Rakes (Incl. RCR)**	issued by CCL and Plant needs to increase lifting of coal in RCR from CCL. Plant is advised to see the historical average of rake received in respective month and plan accordingly to maximize dispatches from MCL.
3	**Kawai TPP**	NCL	2.0 Rakes	2.0 Rakes	1.0 Rakes	Plant has sufficient coal stock at their end.
		SECL	2.0 Rakes	0.2 Rake	2.0 Rakes	
		TOTAL	**4.0 Rakes**	**2.2 Rakes**	**3.0 Rakes**	
4	**Bajaj Group**	NCL	0.5 Rake RCR 0.5 Rake IR	1.6 Rake (RCR) 0.4 Rakes	0.5 Rake RCR 0.0 Rake IR	Plant has sufficient coal stock at their end
5	**Lalitpur**	CCL	1.0 Rake 3.0 Rake (RCR)	0.8 Rakes 2.1 Rake (RCR)	1.0 Rake 3.0 Rake (RCR)	Plant has sufficient coal stock at their end
		NCL	1.5 Rake	1.6 Rake	1.0 Rake	
		SECL	0.8 Rake	0.4 Rake	0.5 Rake	
		MCL	0.2 Rake	0.2 Rake	0.2 Rake	
		Total	**6.5 Rake (Incl. RCR)**	**5.1 Rake(Incl. RCR)**	**5.7 Rake (Incl. RCR)**	
6	**Rosa TPP**	CCL	4.0 Rakes	4.0 Rakes	4.0 Rakes	Plant is once again advised to plan lifting of coal through road/RCR mode.
7	Balco TPS	SECL	0.5 Rake	1.4 Rake	0.5 Rake	Plan to augment supply through road mode and may plan long term arrangements for lifting of coal through road mode. Railways and SECL needs to supply rakes as per Sub Group Plan.

8	**Binjkote**	SECL	0.5 Rake	0.0 Rake	0.5 Rake	Coal supply to the plant as per payment. Plant is advised to submit coal value.
		MCL	0.5 Rake	0.4 Rake	0.5 Rake Shakti (B-VIII-a)	
		CIL	**1.0 Rake**	**0.4 Rake**	**1.0 Rake**	
9	**Pathadi TPS**	SECL	0.5 Rake	1.6 Rake	0.0 Rake	Plant has sufficient coal stock at their end.
10	**Unchpinda**	SECL	1.0 Rake	1.0 Rake	1.0 Rake	Coal stock available under SHAKTI B VIII (a) -50,700 Te.
		MCL	1.0 Rake {B-Viii(a) coal}	0.0 Rake	1.0 Rake {B-Viii(a) coal}	
		CCL	0.5 Rake {B-Viii(a) coal}	0.0 Rake	0.5 Rake {B-Viii(a) coal}	
		Total	**2.5 Rake**	**1.0 Rakes**	**2.5 Rake**	
11	**Sabarmati**	SECL	1.5 Rake	0.4 Rakes	1.5 Rake	Due to Derailment on route the supply is affected in the last week. Railways agreed to make up the shortfall by supplying 1.5 rake/day to the plant
12	**Hiranmaye TPS**	MCL	3.0 Rakes	0.4 Rake	3.0 Rakes	Railways to ensure supply of rakes as per sub-group plan.
13	**Hinduja/ Vizag TPS**	MCL	4.5 Rakes	3.0 Rakes	4.5 Rakes	All units are running now and plant is consuming 15,000-16,000 Te/day. Railways to ensure supply of rakes as per sub-group plan.
14	**Amravati**	SECL	5.0 Rakes 2.0 Rakes (RCR)	3.0 Rakes 0.8 Rake (RCR)	5.0 Rakes 2.0 Rakes (RCR)	Railways to ensure supply of rakes as per sub-group plan, so that plant stock would not be decreased from present level. Plant GSS stock has come down from 55,000 Te to 20,000 Te and the power

						plant is advised to augment lifting of coal under RCR.
15	**Avantha Bhandar**	MCL	1.25Rakes	1.4 Rakes	1.25 Rakes	Railways to maintain the supplies as per plan.
16	**Dahanu**	SECL	1.5 Rake	0.6 Rake	1.5 Rake	Plant needs to resolve their washery issue. Plant has been once again advised to improve their lifting status in RCR. Railways to ensure supply of rakes as per sub-group plan
17	**GMR Warora**	SECL	1.5 Rake	0.4 Rake	1.5 Rake	Coal has been supplied as per their payment. RCR lifting needs to increase.
18	**Adani Tirora**	SECL	7.0 Rakes	6.8 Rake	7.0 Rakes	Plant needs to reduce their unloading time.
		WCL	3.0 Rakes (RCR)	3.9 Rakes (RCR)	3.0 Rakes (RCR)	
		MCL	0.5 Rake	1.0 Rake	0.5 Rake	
		Total	**10.5 Rakes (Incl RCR)**	**11.7 Rake (Incl RCR)**	**10.5 Rakes (Incl RCR)**	
19	**Painampuram**	MCL	7.0 Rake (Including SGPL)	3.2 Rakes	7.0 Rake (Including SGPL)	Railways to augment and prioritize supply to the plant.
20	**Tata Power Jojobera**	CCL	0.5 Rake 1.0 Rake(RCR)	0.0 0.1 Rake – RCR	0.0 Rake 1.0 Rake(RCR)	Plant has sufficient coal stock at their end.
21	**GMR Kamalanga**	MCL	4.5 Rakes	1.6 Rakes	4.5 Rakes	Railways needs to augment supplies.
22	**CESC(Budge Budge)**	ECL	0.75 Rake	0.6 Rake	0.0 Rake	Plant has sufficient coal stock at their end.
		BCCL	0.5 Rake	0.8 Rake	0.5 Rake	
		Total	**1.25**	**1.4 Rakes**	**0.5 Rake**	

			Rake			
23	**Haldia**	MCL	3.0 Rakes	0.8 Rakes	3.0 Rakes	Railways to ensure supply of rakes as per sub-group plan
24	**Raipur Energen/ Raikheda**	MCL	2.0 Rake(including 0.5 rake {B-Viii(a) coal}	2.2 Rakes	2.0 Rake(including 0.5 rake {B-Viii(a) coal}	Same supply level would be maintained by Railways and Coal companies.
		CCL	1.0 Rake	1.0 Rake	1.0 Rake	
		SECL	0.2 Rake	0.0 Rake	0.2 Rake	
		Total	**3.2 Rake**	**3.2 Rake**	**3.2 Rake**	
25	**Maha Energen Limited**	CCL	0.9 Rake	0.8 Rake	0.9 Rake	

ANNEXURE

Ministry of Coal

1. Shri Sanjeev Kumar Kassi Joint Secretary CPD
2. Sh. Surdashan Bhagat, Deputy Secretary

Ministry of Power/CEA

1. Shri Nitin Prakash Director CEA

Railway Board/ Zone

1. Shri Subodh Kumar Singh, Railways Board

Representatives of Power Plants

1. Shri Vibhav Agarwal Talwandi Saboo
2. Shri Vernon Morasis Haldia
3. Shri Brijesh Gupta Amravati TPS
4. Shri Jitesh Pal Adani Power Tirora, Avantha Bhandar, Raipur Energen, Mahan
5. Shri Prakash Sethia Hiranmaye TPS
6. Shri P K Pradhan Hinduja TPS
7. Capt Pawan Paianpuram TPS
8. Shri Jatinder Utpal Rosa TPS
9. Shri Harish, Balco TPS
10. Shri Himal Shah Sabarmati TPS
11. Shri Bijan Panigrahi GMR Kamalganga
12. Shri Akash Saxena GMR Waroa
13. Shri Naresh Dahanu
14. Managing Director Unchpinda TPS
15. Shri Mahendra Bhagat, Binjkote
16. Shri Brijesh Gupta, Amrawati

Coal India Limited

1. Shri Mukesh Chaudhary Director (Marketing) CIL Kolkata
2. Shri A.K. Gupta, General Manager (M&S), CIL, Kolkata
3. GM/HoD (M&S)- ECL, BCCL, CCL, NCL, WCL, SECL, MCL

F. No. CPD-23011/85/2022-CPD
Government of India
Ministry of Coal

Shastri Bhawan, New Delhi,
Dated: 04.05.2023

OFFICE MEMORANDUM

Subject: - Minutes of 717th meeting of the Sub-Group (IPP's) constituted by Infrastructure Constraints Review Committee to look into the issues of critical power houses.

The undersigned is directed to forward herewith a copy of the minutes of 717th meeting of the Sub-Group (IPP's) held on 03.05.2023 for reviewing the position of critical thermal power stations for information and necessary action.

Encl. as above

04/05/2023

(Pardeep Kumar)
Assistant Director

To

1. Shri Piyush Singh, JS (Thermal), M/o Power
2. Sh. H.S. Bajwa, ED(Coal), M/o Railways(Railway Board), Rail Bhawan, New Delhi.
3. Sh. Rajesh Asati, DS, Ministry of Shipping, Transport Bhawan, New Delhi.
4. Sh.Gopinath Nayak, DS, Ministry of Shipping, Transport Bhawan, New Delhi.
5. Sh. Manoj Kumar Upadhyay, SRO (Power&Energy), NITI Aayog, Yojana Bhavan, New Delhi.
6. Shri Nitin Prakash, Director, CEA
7. Director (Marketing), CIL, Coal Bhawan, Newtown, Rajarhat, Kolkata-700156.
8. R.O, SCCL, 526, Hawa Singh Block, Khel Gaon, New Delhi.
9. Sh. Bhimsen, CM, CIL, Scope Minar, Laxmi Nagar, New Delhi.
10 Sh. A.K. Gupta, General Manager (S&M), CIL, Newtown, Rajarhat, Kolkata-700156.
11. CMDs of ECL/BCCL/CCL/NCL/SECL/MCL/WCL/SCCL.
12. CMD/MD's of concerned IPP's

Copy to:

(i) PSO to Secy. Coal
(ii) PS to AS (VT)
(iii) PS to JS (CPD)
(iv) PA to DS (CPD)

Copy to: Cabinet Secretariat (Under Secretary, CA-3)

Minutes of the Sub Group (IPP's) meeting held on 03.05.2023 to review Infrastructure Constraints

The meeting of the Sub-Group constituted by the Infrastructure Constraints Review Committee was held on 03.05.2023 through Video Conference. It was chaired by Joint Secretary (CPD), Ministry of Coal and attended by officials of MoC, MoP, MoPS&W, Railway Board, CEA and representatives of IPPs, as well as CIL Kolkata/Subsidiaries HQ/CIL Delhi. List of the participants is at Annexure.

Subgroup Decisions on Coal Supply to Plants:-

S. No.	Genco/ Power Plant	Coal Company	Supply Plan / Supply as per Subgroup Decision Dated: 19.04.2023/ 26.04.2023		Supply Plan as per Subgroup decision 03.05.2023	Remarks
			Plan	Actual Supply		
1	**Mahatma Gandhi/ Jhajjar**	ECL	0.5 Rake	0.0 Rake	0.5 Rake	Sufficient coal stock available with the plant. Railways to ensure supply as per sub-group plan.
		BCCL	0.75 Rake	1.4 Rake	0.75 Rake	
		CCL	1.0 Rakes	2.2 Rake	0.0 Rakes	
		NCL	0.5 Rakes	0.0 Rake	0.5 Rakes	
		Total	**2.75 Rakes**	**3.6 Rakes**	**1.75 Rakes**	
2	**Nabha Power**	CCL	1.5 Rakes RCR	0.0 Rake RCR	1.5 Rakes RCR	Lifting in RCR mode needs augmentation as sufficient coal has been allocated from CCL & BCCL for building up coal stock for paddy season. Railways to ensure supply as per sub-group plan.
		NCL	2.5 Rakes	2.4 Rakes	2.5 Rakes	
		SECL	3.5 Rakes	1.0 Rake	3.5 Rakes	
		BCCL	1.0 Rakes RCR	0.0	1.0 Rakes RCR	
		Total	**8.50 Rakes (Incl. RCR)**	**3.4 Rake (Incl. RCR)**	**8.50 Rakes (Incl. RCR)**	
3	**Talwandi Sabo**	CCL	1.5 Rake (RCR)	0.0 Rake (RCR)	1.0 Rake 1.5 Rake (RCR)	Railways to ensure supply as per sub-group plan and prioritize coal supply from MCL. Plant will lift coal in CCL as per given allocation,
		NCL	0.8 Rake	0.4 Rake	1.0 Rake	
		MCL	8.0 Rakes	4.6 Rakes	8.0 Rakes	

		Total	**10.3Rakes (Incl. RCR)**	**5.0 Rakes (Incl. RCR)**	**11.5 Rakes (Incl. RCR)**	Railways agreed to supply rakes in Burkunda GSS against the lifted coal.
4	**Kawai TPP**	NCL	1.0 Rakes	2.2 Rakes	0.0 Rakes	One unit not in operation and coal stock available with the plant.
		SECL	2.0 Rakes	0.6 Rake	1.5 Rakes	
		TOTAL	**3.0 Rakes**	**2.8 Rakes**	**1.5 Rakes**	
5	**Bajaj Group**	NCL	0.5 Rake RCR	0.2 Rake (RCR)	0.5 Rake RCR	Sufficient coal available with the plant. Railways needs to restrict supply as per sub-group plan.
6	**Lalitpur**	CCL	1.0 Rake 3.0 Rake (RCR)	1.0 Rakes 1.6 Rake (RCR)	1.0 Rake 3.0 Rake (RCR)	Sufficient coal available with the plant. RCR Lifting needs to increase.
		NCL	1.0 Rake	1.4 Rake	0.5 Rake	
		SECL	0.5 Rake	0.4 Rake	0.5 Rake	
		MCL	0.2 Rake	0.0 Rake	0.2 Rake	
		Total	**5.7 Rake (Incl. RCR)**	**4.4 Rake (Incl. RCR)**	**5.2 Rake (Incl. RCR)**	
7	**Prayagraj TPP**	NCL	4.0 Rakes 2.5 Rakes (RCR)	4.6 Rakes 2.0 Rakes (RCR)	4.0 Rakes 2.5 Rakes (RCR)	Railways needs to restrict supply as per sub-group plan. Lifting in RCR must be ensured by the plant to avoid depletion of stock.
		MCL	0.5 Rakes	0.2 Rake	0.5 Rakes	
		Total	**7.0 Rakes (Incl. RCR)**	**6.8 Rakes (Incl. RCR)**	**7.0 Rakes (Incl. RCR)**	
8	**Rosa TPP**	CCL	4.0 Rakes	4.0 Rakes	4.0 Rakes	CIL may offer coal under RCR to the plant and plant will submit a response to MOP/CEA if they are not willing to accept the offer of coal in RCR mode.
9	**Balco TPS**	SECL	0.5 Rake	1.4 Rake	0.5 Rake	Railways needs to restrict supply as per sub-group plan.
10	**Akaltara**	SECL	2.0 Rake 1.5 Rake	4.4 Rakes 0.8 Rake RCR	2.0 Rake 1.5 Rake	Railways and SECL needs to restrict supply as per

			RCR		RCR	sub-group plan.
		MCL	1.0 Rake	1.0 Rake	1.0 Rake	
		NCL	0.4 Rake	0.6 Rake	0.4 Rake	
		Total	**4.9 Rake Incl. RCR**	**6.8 Rake (incl. RCR)**	**4.9 Rake Incl. RCR**	
11	**Baradhara TPS/ DB Power**	SECL	1.5 Rake	0.6 Rake	1.5 Rake	
		CCL	0.5 Rake	0.0 Rake	0.5 Rake	
		MCL	0.5 Rake	0.0 Rake	0.5 Rake	
		Total	**2.5 Rake**	**0.6 Rake**	**2.5 Rake**	
12	**Binjkote**	SECL	0.5 Rake	0.2 Rake	0.5 Rake	Plant to submit coal value and ensure sufficient availability of coal stock at their end. Plant needs to reduce unloading time. Railways was requested to ensure supply as per Sub Group allocation.
		MCL	0.5 Rake	0.0 Rake	0.5 Rake	
		CIL	**1.0 Rake**	**0.2 Rake**	**1.0 Rake**	
13	**Pathadi TPS**	SECL	0.0 Rake	2.2 Rake	0.0 Rake	Railways needs to restrict supply as per sub-group plan.
14	**Unchpinda**	SECL	1.0 Rake	0.4 Rake	1.0 Rake	76,000 Te SHAKTI B VIII (A)coal stock available with plant. Plant is not having own siding to unload the coal which affects coal supply.
		MCL	1.0 Rake	0.0 Rake	1.0 Rake	
		CCL	0.5 Rake	0.0 Rake	0.5 Rake	
		Total	**2.5 Rake**	**0.4 Rakes**	**2.5 Rake**	
15	**Sabarmati**	SECL	1.5 Rake	0.8 Rakes	1.5 Rake	Railways to ensure supply as per sub-group plan and to provide 1.5 rakes/day
16	**Anuppur (MB Power)**	SECL	3.0 Rake – 1.5 Rake-RCR	1.6 Rakes 0.7 Rake RCR	3.0 Rake – 1.5 Rake-RCR	Railways to ensure supply as per sub-group plan
		MCL	0.5 Rake	0.4 Rake	0.5 Rake	
		Total	5.0 Rake	**2.7 Rake**	5.0 Rake	

			(Incl. RCR)	**(incl.RCR)**	(Incl RCR)	
17	**Hiranmayee TPS**	MCL	3.0 Rakes	1.2 Rake	3.0 Rakes	Less availability of empty rakes in Talcher affecting coal supply to the plant. Railways to ensure supply as per sub-group plan.
18	**Hinduja/ Vizag TPS**	MCL	4.5 Rakes	4.0 Rakes	4.5 Rakes	Railways to ensure supply as per sub-group plan.
19	**Bina**	CCL	1.5 Rake	0.0 Rake	1.5 Rake	Railways to ensure supply as per sub-group plan.
		SECL	0.5 Rake (RCR)	1.2 Rake RCR	0.5 Rake (RCR)	
		Total	**2.0 Rake (Incl. RCR)**	**1.2 Rake (Incl. RCR)**	**2.0 Rake (Incl. RCR)**	
20	**Seioni / Jhabua**	SECL	1.5 Rake	0.8 Rake	1.5 Rake	
		MCL	0.0 Rake	0.0 Rake	0.5 Rake	
		CCL	1.0 Rake	0.0 Rake	0.1 Rake	
		Total	**2.5 Rake**	**0.8 Rake**	**2.1 Rake**	
21	**Amravati**	SECL	5.0 Rakes 2.0 Rakes (RCR)	2.6 Rakes 0.5 Rake (RCR)	5.0 Rakes 2.0 Rakes (RCR)	There is no improvement in the supply in this plant in spite of regular review and instructions due to various constraints, railway is not supplying rakes as per given allocation. Railways to ensure supply as per sub-group plan and ensure 5 IR rakes + 2 RCR rakes
22	**Avantha Bhandar**	MCL	1.25Rakes	1.6 Rakes	1.25 Rakes	Railways to ensure supply as per sub-group plan.
23	**Dahanu**	SECL	1.5 Rake	0.6 Rake	1.5 Rake	No improvement in lifting of coal under RCR. Plant is required exploring supply of unwashed coal from washery siding.

24	**Dhariwal TPS**	SECL	1.5 Rakes	0.8 Rake	1.5 Rakes	
		WCL	0.7 Rake	0.6 Rake	0.7 Rake	
		Total	**2.2 Rakes**	**1.4 Rake**	**2.2 Rakes**	
25	**Wardha Warora**	WCL	Coal supply as per payment.			
26	**GMR Warora**	SECL	1.5 Rake	0.4 Rake	1.5 Rake	SECL and railways to ensure supply as per sub-group plan.
27	**Adani Tirora**	SECL	7.0 Rakes	6.6 Rake	7.0 Rakes	
		WCL	3.0 Rakes (RCR)	3.7 Rakes (RCR)	3.0 Rakes (RCR)	
		MCL	0.5 Rake	0.4 Rake	0.5 Rake	
		Total	**10.5 Rakes (Incl RCR)**	**10.7 Rake (Incl RCR)**	**10.5 Rakes (Incl RCR)**	
28	**Painampuram TPP (Sembcorp)**	MCL	7.0 Rake (Including SGPL)	5.4 Rakes	7.0 Rake (Including SGPL)	Railways to ensure supply as per sub-group plan.
29	**Tata Power Jojobera**	CCL	1.0 Rake - RCR	0.7 Rake – RCR	1.0 Rake - RCR	Plant has sufficient coal stock at their end.
30	**MahadevPd./ Adhunik Power**	CCL	2.0 Rake	1.2 Rakes	2.0 Rake	
31	**GMR Kamalanga**	MCL	4.5 Rakes	3.2 Rakes	4.5 Rakes	Plant needs to improve unloading issue related to BOX N.
32	**Sterlite Energy/ Vedanta**	MCL	3.0 Rake	2.6 Rake	3.0 Rake	Plant is advised to submit coal value and program in MCL. Railways to ensure supply as per sub-group plan.
33	**CESC (Budge Budge)**	ECL	0.0 Rake	0.2 Rake	0.0 Rake	Allocation has been decided for the budge budge TPS and for the other plants of CESC, Coal company may supply rakes as per their MSQ.
		BCCL	0.5 Rake	0.6 Rake	0.5 Rake	
		Total	**0.5 Rake**	**0.8 Rakes**	**0.5 Rake**	
34	**Haldia**	MCL	3.0 Rakes	1.4 Rakes	3.0 Rakes	In the total allocation, 2 rakes/day will be supplied

						from Talcher coalfield. Railways to ensure supply as per sub-group plan.
35	**GVK**	CCL	Coal Supply as per payment			
36	**Raipur Energen/ Raikheda**	MCL	2.0 Rakes	2.0 Rakes	2.0 Rakes	Railways to ensure supply as per sub-group plan.
		CCL	1.0 Rake	0.0 Rake	1.0 Rake	
		SECL	0.2 Rake	0.2 Rake	0.2 Rake	
		Total	**3.2 Rake**	**2.2 Rake**	**3.2 Rake**	
37	**Maha Energen Limited**	CCL	0.9 Rake	1.4 Rake	0.9 Rake	
38	**India Power/ Disehergarh**	CCL	0.2 Rake	0.2 Rake	0.2 Rake	

ANNEXURE

Ministry of Coal

1. Shri Sanjeev Kumar Kassi Joint Secretary (CPD)

Ministry of Power/CEA

1. Shri Piyush Singh, Joint Secretary MOP
2. Shri Nitin Prakash, Director CEA

Railway Board/ Zone

1. Shri Subodh Kumar Singh, Railways Board

Representatives of Power Plants

1. Shri Tarun Bajaj Mahatma Gandhi
2. Shri Saurabh Patel Nabha Power
3. Shri Ankit Gupta Talwandi Saboo
4. Shri Tarun Chattopadhyay Prayagraj
5. Shri Basant Chourasiya, Dhariwal/Haldiya
6. Shri Lalit Joshi Anuppur Power
7. Shri Ravi Sahay DB Power
8. Shri Partha Patra, GMR Kamlanga
9. Shri Rajesh Amravati TPS
10. Shri Jitesh Pal Adani Power
11. Shri Pravesh Kamra, GMR Warora
12. Shri Ranjay Singh, Seoni Jhabua
13. Shri Naresh, Dahanu
14. Shri P K Pradhan Hinduja TPS
15. Shri Anirudha, Painampuram

16. Shri Rakesh Bhadoriya, Tata Power
17. Shri Venkatesh, KSK Akaltara
18. Shri D.P Roy, Unchhpinda
19. Shri Bikram Sathapathy, Hiranmayee
20. Shri Achesh Marviya, Sabarmati
21. Shri Ankush Jain, Bajaj Group

Coal India Limited

1. Shri A.K. Gupta, General Manager (M&S), CIL, Kolkata
2. GM/HoD (M&S)- ECL, BCCL, CCL, NCL, WCL, SECL, MCL

F. No. CPD-23011/85/2022-CPD
Government of India
Ministry of Coal

Shastri Bhawan, New Delhi,
Dated: 19.05.2023

OFFICE MEMORANDUM

Subject: - Minutes of 722nd meeting of the Sub-Group (IPP's) constituted by Infrastructure Constraints Review Committee to look into the issues of critical power houses.

The undersigned is directed to forward herewith a copy of the minutes of 722nd meeting of the Sub-Group (IPP's) held on 18.05.2023 for reviewing the position of critical thermal power stations for information and necessary action.

Encl. as above

19/05/2023
(Pardeep Kumar)
Assistant Director

To

1. Shri Piyush Singh, JS (Thermal), M/o Power
2. Sh. H.S. Bajwa, ED(Coal), M/o Railways(Railway Board), Rail Bhawan, New Delhi.
3. Sh. Rajesh Asati, DS, Ministry of Shipping, Transport Bhawan, New Delhi.
4. Sh.Gopinath Nayak, DS, Ministry of Shipping, Transport Bhawan, New Delhi.
5. Sh. Manoj Kumar Upadhyay, SRO (Power&Energy), NITI Aayog, Yojana Bhavan, New Delhi.
6. Shri Nitin Prakash, Director, CEA
7. Director (Marketing), CIL, Coal Bhawan, Newtown, Rajarhat, Kolkata-700156.
8. R.O, SCCL, 526, Hawa Singh Block, Khel Gaon, New Delhi.
9. Sh. Bhimsen, CM, CIL, Scope Minar, Laxmi Nagar, New Delhi.
10 Sh. A.K. Gupta, General Manager (S&M), CIL, Newtown, Rajarhat, Kolkata-700156.
11. CMDs of ECL/BCCL/CCL/NCL/SECL/MCL/WCL
12. CMD/MD's of concerned IPP's

Copy to:

(i) PSO to Secy. Coal
(ii) PS to AS (VT)
(iii) PS to JS (CPD)
(iv) PA to DS (CPD)

Copy to: Cabinet Secretariat (Under Secretary, CA-3)

Minutes of Sub-group (IPPs) Meeting held on 18.05.2023 to review infrastructure constraints

The meeting of the Sub-Group constituted by the Infrastructure Constraints Review Committee was held on 18.05.2023 in hybrid mode. It was Chaired by Joint Secretary, Ministry of Coal and attended by officials of MoC, MoP, Railway Board, CEA, & IPPs, as well as CIL Kolkata/Subsidiaries HQ/CIL Delhi.

Supply of coal to power sector (IPPs) was reviewed and discussed in order to augment it further to the IPPs having lesser coal stocks.

List of participants is at Annexure.

Subgroup Decisions on Coal Supply to Plants:-

S. No.	Genco/ Power Plant	Coal Company	Supply Plan / Supply as per Subgroup Decision Dated: 10.05.2023		Supply Plan as per Subgroup decision 18.05.2023	Remarks
			Plan	Actual Supply		
1	**Mahatma Gandhi/ Jhajjar**	ECL	0.5 Rake	0.7 Rake	0.0 Rake	
		BCCL	0.75 Rake	0.8 Rake	0.75 Rake	
		CCL	0.0 Rakes	0.0 Rake	0.5 Rakes	
		NCL	0.0 Rakes	0.0 Rake	0.0 Rakes	
		Total	**1.25 Rakes**	**1.5 Rakes**	**1.25 Rakes**	
2	**Nabha Power**	CCL	1.5 Rakes RCR	0.5 Rake RCR	1.5 Rakes RCR	Railways to augment supply from SECL. RCR lifting from NCL and CCL
		BCCL	1.0 Rakes RCR	0.8 Rake RCR	1.0 Rakes RCR	
		NCL	2.5 Rakes	2.7 Rakes	2.5 Rakes	
		SECL	3.5 Rakes	1.2 Rake	3.5 Rakes	
		Total	**8.5 Rakes (Incl. RCR)**	**4.1 Rake (Incl. RCR)**	**8.5 Rakes (Incl. RCR)**	
3	**Talwandi Sabo**	CCL	0.5 Rake 1.5 Rake (RCR)	0.5 Rake (RCR)	0.5 Rake (Under Flexi) 1.5 Rake (RCR)	RCR lifting from CCL and SECL to increase. SECL to complete the formalities for RCR lifting. Genco to resolve the unloading time

		NCL	1.0 Rake	0.8 Rake	0.0 Rake	issues and take corrective actions proactively
		MCL	8.0 Rakes	4.5 Rakes	8.0 Rakes	
		SECL	0.5 Rakes	-	0.5 Rakes	
		Total	**11.5 Rakes (Incl. RCR)**	**5.8 Rakes (Incl. RCR)**	**10.5 Rakes (Incl. RCR)**	
4	**Kawai TPP**	NCL	1.0 Rakes	0.7 Rakes	1.0 Rakes (GWPIS Rakes)	Loading to be done in GWPIS rakes.
		SECL	0.5 Rakes	0.8 Rake	0.5 Rakes (GWPIS Rakes)	
		TOTAL	**1.5 Rakes**	**1.5 Rakes**	**1.5 Rakes**	
5	**Bajaj Group**	NCL	0.5 Rake RCR	0.4 Rake (RCR)	0.5 Rake RCR	
6	**Lalitpur**	CCL	1.0 Rake 3.0 Rake (RCR)	0.3 Rakes 3.0 Rake (RCR)	1.0 Rake 3.0 Rake (RCR)	Plant informed that consumption of the plant has been increased in last 2-3 days upto 26,000 Te/day.
		NCL	0.5 Rake	0.5 Rake	1.5 Rake	
		SECL	0.5 Rake	0.3 Rake	0.5 Rake	
		MCL	0.2 Rake	0.0 Rake	0.2 Rake	
		Total	**5.2 Rake (Incl. RCR)**	**4.2 Rake(Incl. RCR)**	**6.2 Rake (Incl. RCR)**	
7	**Prayagraj TPP**	NCL	4.0 Rakes 2.5 Rakes (RCR)	4.2 Rakes 1.9 Rakes (RCR)	4.0 Rakes 2.5 Rakes (RCR)	
		MCL	0.5 Rakes	0.0 Rake	0.5 Rakes	
		Total	**7.0 Rakes (Incl. RCR)**	**6.1 Rakes (Incl. RCR)**	**7.0 Rakes (Incl. RCR)**	

8	**Rosa TPP**	CCL	4.0 Rakes	4.0 Rakes	4.0 Rakes	Plant needs to take measure to lift coal through RCR to avoid stock depletion.
9	**Balco TPS**	SECL	0.5 Rake	0.5 Rake	0.5 Rake	
10	**Akaltara**	SECL	2.0 Rake 1.5 Rake RCR	2.8 Rakes 0.5 Rake RCR	3.0 Rake 1.5 Rake RCR	Plant needs to increase lifting RCR up to 3500 TPD.
		MCL	1.0 Rake	0.0 Rake	1.0 Rake	
		NCL	0.4 Rake	0.5 Rake	0.4 Rake	
		Total	**4.9 Rake Incl. RCR**	**3.8 Rake (incl.RCR)**	**5.9 Rake Incl. RCR**	
11	**Baradhara TPS/ DB Power**	SECL	1.5 Rake	1.0 Rake	1.5 Rake	Railways to augment rake supply in MCL.
		CCL	0.5 Rake	0.2 Rake	0.5 Rake	
		MCL	0.5 Rake	0.0 Rake	0.5 Rake	
		Total	**2.5 Rake**	**1.2 Rake**	**2.5 Rake**	
12	**Binjkote**	SECL	0.5 Rake	0.5 Rake	0.0 Rake	7 value paid rakes pending in MCL.
		MCL	0.5 Rake	0.2 Rake	0.5 Rake	
		CIL	**1.0 Rake**	**0.7 Rake**	**0.5 Rake**	
13	**Pathadi TPS**	SECL	0.0 Rake	0.2 Rake	0.0 Rake	Sufficient coal stock available with the plant.
14	**Unchpinda**	SECL	1.0 Rake	1.0 Rake	1.0 Rake	No value paid rake pending in CCL.
		MCL	1.0 Rake	1.8 Rake	1.0 Rake	
		CCL	0.5 Rake	0.0 Rake	0.0 Rake	
		Total	**2.5 Rake**	**2.8 Rakes**	**2.0 Rake**	
15	**Sabarmati**	SECL	2.0 Rake	1.2 Rakes	2.0 Rake	Railways to ensure supply as per sub-group plan on priority i.e 2 rakes/day.
16	**Anuppur (MB Power)**	SECL	3.0 Rake – 1.5 Rake-	2.3 Rakes 1.7 Rake	3.0 Rake –	

			RCR	RCR	1.5 Rake- RCR	
		MCL	0.5 Rake	0.2 Rake	0.5 Rake	
		Total	**5.0 Rake (Incl RCR)**	**4.2 Rake (incl.RCR)**	**5.0 Rake (Incl RCR)**	
17	**Hiranmaye TPS**	MCL	3.0 Rakes	0.5 Rake	3.0 Rakes	Delay in submission of rail program affected the rake supply. Railways to ensure supply as per Sub Group matrix.
18	**Hinduja/ Vizag TPS**	MCL	4.5 Rakes	2.8 Rakes	4.5 Rakes	Railways to ensure supply as per Sub Group plan.
19	**Bina**	CCL	1.5 Rake	1.0 Rake	1.5 Rake	
		SECL	0.5 Rake (RCR)	0.8 Rake RCR	0.5 Rake (RCR)	
		Total	**2.0 Rake (Incl. RCR)**	**1.8 Rake (Incl. RCR)**	**2.0 Rake (Incl. RCR)**	
20	**Seioni / Jhabua**	SECL	1.5 Rake	0.7 Rake	1.5 Rake	14 value paid in SECL & 4 in BCCL are pending.
		MCL	0.5 Rake	0.5 Rake	0.1 Rake	
		NCL	0.1 Rake	0.0 Rake	0.1 Rake	
		BCCL	0.1 Rake	-	0.5 Rake Shakti (B-III)	
		Total	**2.2 Rake**	**1.2 Rake**	**2.2 Rake**	
21	**Amravati**	SECL	6.0 Rakes 2.0 Rakes (RCR)	3.7 Rakes 5.2 Rake (RCR)	6.0 Rakes 2.0 Rakes (RCR)	Railways to ensure supply as per sub-group plant on priority i.e 6 rakes/day
22	**Avantha Bhandar**	MCL	1.3 Rakes	0.5 Rakes	1.25 Rakes	
23	**Dahanu**	SECL	1.5 Rake	0.7 Rake	1.5 Rake	Plant to explore use of raw coal through washery.

						2 rakes/day to be supplied through all sources i.e. SECL sidings & washery.
24	**Dhariwal TPS**	SECL	1.5 Rakes	0.8 Rake	1.5 Rakes	Plant informed that 0.20 LT coal is lying at Jairam Nagar siding, Railways needs to provide rakes for liquidation of this coal. The coal is lying at GSS since last 3 months and needs to be liquidated
		WCL	0.7 Rake	0.2 Rake	0.7 Rake	
		Total	**2.2 Rakes**	**1.0 Rake**	**2.2 Rakes**	
25	**Wardha Warora**	WCL	Coal supply as per payment.			
26	**GMR Warora**	SECL	1.5 Rake	0.5 Rake	1.5 Rake	13 value paid rakes pending.
27	**Adani Tirora**	SECL	7.0 Rakes	5.5 Rake	7.0 Rakes	
		WCL	3.0 Rakes (RCR)	3.9 Rakes (RCR)	3.0 Rakes (RCR)	
		MCL	0.5 Rake	0.8 Rake	0.5 Rake	
		Total	**10.5 Rakes (Incl RCR)**	**10.2 Rake (Incl RCR)**	**10.5 Rakes (Incl RCR)**	
28	**Painampuram TPP (Sembcorp)**	MCL	7.0 Rake (Including SGPL)	5.3 Rakes	7.0 Rake (Including SGPL)	Railways to supply rakes as per the sub group matrix.
29	**Tata Power Jojobera**	CCL	1.0 Rake - RCR	1.2 Rake RCR	1.0 Rake -RCR	
30	**MahadevPd./ Adhunik Power**	CCL	2.0 Rake	0.7 Rakes	2.0 Rake	
31	**GMR Kamalanga**	MCL	4.5 Rakes	3.2 Rakes	4.5 Rakes	Railways to supply rakes as per the sub group matrix.
32	**Sterlite Energy/ Vedanta**	MCL	3.0 Rake	1.8 Rake	3.0 Rake	
33	**CESC(Budge Budge)**	ECL	0.0 Rake	0.0 Rake	0.0 Rake	
		BCCL	0.5 Rake	0.7 Rake	0.5 Rake	
		Total	**0.5 Rake**	**0.7 Rakes**	**0.5 Rake**	
34	**Haldia**	MCL	3.0 Rakes	1.3 Rakes	3.0 Rakes	Railways to supply rakes as per the sub group matrix i.e 3

						rakes/day
35	**GVK**	CCL	Coal Supply as per payment			
36	**Raipur Energen/ Raikheda**	MCL	2.0 Rakes	2.2 Rakes	2.0 Rakes	
		CCL	1.0 Rake	0.7 Rake	1.0 Rake	
		SECL	0.2 Rake	0.0 Rake	0.2 Rake	
		Total	**3.2 Rake**	**2.8 Rake**	**3.2 Rake**	
37	**Maha Energen Limited**	CCL	0.9 Rake	1.0 Rake	0.9 Rake	
38	**India Power/ Disehergarh**	CCL	0.2 Rake	0.0 Rake	0.2 Rake	

Annexure

List of Participants

Ministry of Coal

1. Shri Sanjeev Kumar Kassi Joint Secretary CPD
2. Shri Sudarshan Bhagat Deputy Secretary CPD

Ministry of Power/CEA

1. Shri Nitin Prakash Director CEA

Railway Board/ Zone

1. Shri Subodh Kumar Singh, Railways Board

Representatives of Power Plants

1. Shri Tarun Bajaj Mahatma Gandhi
2. Shri Saurabh Patel Nabha Power
3. Shri Anand Mandrik Talwandi Saboo
4. Shri S H Panday Prayagraj
5. Shri Mahendra Bhagat Binjkote
6. Shri Ravi Sahay DB Power
7. Shri Partha Patra , GMR Kamlanga
8. Shri Rajesh Amravati TPS
9. Shri Jitesh Pal Adani Power
10. Shri Uppal, Rosa
11. Shri Ranjay Singh, Seoni Jhabua

12. Shri Naresh, Dahanu
13. Shri P K Pradhan Hinduja TPS
14. Shri Anirudha, Painampuram
15. Shri Akash Saxena, GMR Warora
16. Shri Venkatesh, KSK Akaltara
17. Shri D.P Roy, Unchhpinda
18. Shri Himal Shah, Bina
19. Shri Achesh Marviya, Sabarmati
20. Shri Ankush Jain, Bajaj Group
21. Shri Vernon Moris, Haldiya

Coal India Limited

1. Shri A.K. Gupta GM (M&S) CIL
2. GM/HoD (M&S)- ECL, BCCL, CCL, NCL, WCL, SECL, MCL

F. No. CPD-23011/85/2022-CPD
Government of India
Ministry of Coal

Shastri Bhawan, New Delhi,
Dated: 26.05.2023

OFFICE MEMORANDUM

Subject: - Minutes of 724th meeting of the Sub-Group (IPP's) constituted by Infrastructure Constraints Review Committee to look into the issues of critical power houses.

The undersigned is directed to forward herewith a copy of the minutes of 724th meeting of the Sub-Group (IPP's) held on 26.05.2023 for reviewing the position of critical thermal power stations for information and necessary action.

Encl. as above

(Sudarshan Bhagat)
Deputy Secretary

To

1. Shri Piyush Singh, JS (Thermal), M/o Power
2. Sh. H.S. Bajwa, ED(Coal), M/o Railways(Railway Board), Rail Bhawan, New Delhi.
3. Sh. Rajesh Asati, DS, Ministry of Shipping, Transport Bhawan, New Delhi.
4. Sh.Gopinath Nayak, DS, Ministry of Shipping, Transport Bhawan, New Delhi.
5. Sh. Manoj Kumar Upadhyay, SRO (Power&Energy), NITI Aayog, Yojana Bhavan, New Delhi.
6. Shri Nitin Prakash, Director, CEA
7. Director (Marketing), CIL, Coal Bhawan, Newtown, Rajarhat, Kolkata-700156.
8. R.O, SCCL, 526, Hawa Singh Block, Khel Gaon, New Delhi.
9. Sh. Bhimsen, CM, CIL, Scope Minar, Laxmi Nagar, New Delhi.
10 Sh. A.K. Gupta, General Manager (S&M), CIL, Newtown, Rajarhat, Kolkata-700156.
11. CMDs of ECL/BCCL/CCL/NCL/SECL/MCL/WCL
12. CMD/MD's of concerned IPP's

Copy to:

(i) PSO to Secy. Coal
(ii) PS to AS (VT)
(iii) PS to JS (CPD)
(iv) PA to DS (CPD)

Copy to: Cabinet Secretariat (Under Secretary, CA-3)

Minutes of Sub-group (IPPs) Meeting held on 26.05.2023 to review infrastructure constraints

The meeting of the Sub-Group constituted by the Infrastructure Constraints Review Committee was held under the Chairmanship of Joint Secretary (CPD) on 26.05.2023 in hybrid mode and attended by officials of MoC, MoP, Railway Board, CEA, & IPPs, as well as CIL Kolkata/Subsidiaries HQ/CIL Delhi.

Supply of coal to Power sector (IPPs) was reviewed and discussed in order to augment it further to the IPPs having lesser coal stocks.

List of participants is at Annexure.

Subgroup Decisions on Coal Supply to Plants:-

S. No.	Genco/ Power Plant	Coal Company	Supply Plan / Supply as per Subgroup Decision Dated: 18.05.2023		Supply Plan as per Subgroup decision 26.05.2023	Remarks
			Plan	Actual Supply		
1	**Mahatma Gandhi/ Jhajjar**	ECL	0.0 Rake	0.0 Rake	0.5 Rake	Plant advised to lift coal in RCR from CCL.
		BCCL	0.75 Rake	1.5 Rake	0.75 Rake	
		CCL	0.5 Rakes	0.5 Rake	1.0 Rake 1.0 Rake RCR	
		NCL	0.0 Rakes	0.0 Rake	0.0 Rakes	
		Total	**1.25 Rakes**	**2.0 Rakes**	**3.25 Rakes**	
2	**Nabha Power**	CCL	1.5 Rakes RCR	1.2 Rake RCR	1.5 Rakes RCR	At present 100 value paid rakes are pending in SECL. Railways to augment rakes supply from SECL. Plant advised to lift coal in RCR from NCL.
		BCCL	1.0 Rakes RCR	0.9 Rake RCR	1.0 Rakes RCR	
		NCL	2.5 Rakes	2.0 Rakes	2.5 Rakes	
		SECL	3.5 Rakes	1.0 Rake	3.5 Rakes	

		Total	**8.5 Rakes (Incl. RCR)**	**5.1 Rake (Incl. RCR)**	**8.5 Rakes (Incl. RCR)**	
3	**Talwandi Sabo**	CCL	0.5 Rake 1.5 Rake (RCR)	0.5 Rakes 0.5 Rake (RCR)	0.5 Rake (under flexi) 1.5 Rake (RCR)	Power plant & CCL advised to take immediate action to address any issues related to RCR lifting and ensure that lifting is increased before the next meeting. TPP informed that supply through Rail mode will start by tomorrow. Railways to materialize 8 rakes/day from MCL.
		NCL	0.0 Rake	0.2 Rake	0.0 Rake	
		MCL	8.0 Rakes	4.8 Rakes	8.0 Rakes	
		SECL	0.5 Rakes	-	0.5 Rakes	
		Total	**10.5 Rakes (Incl. RCR)**	**6.0 Rakes (Incl. RCR)**	**10.5 Rakes (Incl. RCR)**	
4	**Kawai TPP**	NCL	1.0 Rakes	1.3 Rakes	1.5 Rakes	At present 100 value paid rakes are pending in NCL.
		SECL	0.5 Rakes	0.5 Rake	0.5 Rakes	
		TOTAL	**1.5 Rakes**	**1.8 Rakes**	**2.0 Rakes**	
5	**Bajaj Group**	NCL	0.5 Rake RCR	0.5 Rake (RCR)	0.5 Rake RCR	
6	**Lalitpur**	CCL	1.0 Rake 3.0 Rake (RCR)	1.0 Rakes 1.3 Rake (RCR)	1.0 Rake 3.0 Rake (RCR)	
		NCL	1.5 Rake	1.0 Rake	1.5 Rake	
		SECL	0.5 Rake	0.8 Rake	0.5 Rake	
		MCL	0.2 Rake	0.0 Rake	0.2 Rake	
		Total	**6.2 Rake (Incl. RCR)**	**4.1 Rake(Incl. RCR)**	**6.2 Rake (Incl. RCR)**	
7	**Prayagraj TPP**	NCL	4.0 Rakes 2.5 Rakes (RCR)	3.8 Rakes 1.5 Rakes (RCR)	4.0 Rakes 2.5 Rakes (RCR)	
		MCL	0.5 Rakes	0.2 Rake	0.5 Rakes	

		Total	7.0 Rakes (Incl. RCR)	5.5 Rakes (Incl. RCR)	7.0 Rakes (Incl. RCR)	
8	**Rosa TPP**	CCL	4.0 Rakes	3.8 Rakes	4.0 Rakes	Plant needs to take measures to lift coal through RCR to avoid stock depletion.
9	**Balco TPS**	SECL	0.5 Rake	0.3 Rake	1.0 Rake	At present 23 value paid rakes are pending. Please to increase offtake by Road
10	**Akaltara**	SECL	3.0 Rake 1.5 Rake RCR	1.8 Rakes 0.6 Rake RCR	3.0 Rake 1.5 Rake RCR	
		MCL	1.0 Rake	1.3 Rake	1.0 Rake	
		NCL	0.4 Rake	0.3 Rake	0.4 Rake	
		Total	**5.9 Rake Incl. RCR**	**4.1 Rake (incl.RCR)**	**5.9 Rake Incl. RCR**	
11	**Baradhara TPS/ DB Power**	SECL	1.5 Rake	1.7 Rake	1.5 Rake	
		CCL	0.5 Rake	0.2 Rake	0.5 Rake	
		MCL	0.5 Rake	0.0 Rake	0.5 Rake	
		Total	**2.5 Rake**	**1.8 Rake**	**2.5 Rake**	
12	**Binjkote**	SECL	0.0 Rake	0.0 Rake	0.0 Rake	Railways to augment rakes supply.
		MCL	0.5 Rake	0.3 Rake	0.5 Rake (SHAKTI Bviiia)	
		CIL	**0.5 Rake**	**0.3 Rake**	**0.5 Rake**	
13	**Pathadi TPS**	SECL	0.0 Rake	0.0 Rake	0.0 Rake	Sufficient coal stock available with the plant.
14	**Unchpinda**	SECL	1.0 Rake	0.8 Rake	1.0 Rake	
		MCL	1.0 Rake	0.0 Rake	1.0 Rake	
		Total	**2.0 Rake**	**0.8 Rakes**	**2.0 Rake**	
15	**Sabarmati**	SECL	2.0 Rake	1.0 Rakes	2.0 Rake	As the plant is having critical coal stock, Railways to ensure a 1.0 rake from K-Rewa & 0.5

						rake from Korba.
16	**Anuppur (MB Power)**	SECL	3.0 Rake – 1.5 Rake- RCR	1.8 Rakes 1.3 Rake RCR	3.0 Rake – 1.5 Rake- RCR	
		MCL	0.5 Rake	0.5 Rake	0.5 Rake	
		Total	**5.0 Rake (Incl RCR)**	**3.6 Rake (incl.RCR)**	**5.0 Rake (Incl RCR)**	
17	**Hiranmaye TPS**	MCL	3.0 Rakes	0.7 Rake	3.0 Rakes	At present 39 value paid rakes are pending. Railways to ensure 1 rake/day from Talcher and 1 rake/day from Sardega.
18	**Hinduja/ Vizag TPS**	MCL	4.5 Rakes	2.3 Rakes	4.5 Rakes	Railways to augment rakes supply on priority basis.
19	**Bina**	CCL	1.5 Rake	0.7 Rake	1.5 Rake	
		SECL	0.5 Rake (RCR)	0.3 Rake RCR	0.5 Rake (RCR)	
		Total	**2.0 Rake (Incl. RCR)**	**1.0 Rake (Incl. RCR)**	**2.0 Rake (Incl. RCR)**	
20	**Seioni / Jhabua**	SECL	1.5 Rake	0.8 Rake	1.5 Rake	
		MCL	0.1 Rake	0.2 Rake	0.1 Rake	
		NCL	0.1 Rake	0.0 Rake	0.1 Rake	
		BCCL	0.5 Rake (Shakti B-III)	-	0.5 Rake (Shakti B-III)	
		Total	**2.2 Rake**	**1.0 Rake**	**2.2 Rake**	

21	**Amravati**	SECL	6.0 Rakes 2.0 Rakes (RCR)	3.0 Rakes 1.7 Rake (RCR)	6.0 Rakes 2.0 Rakes (RCR)	Railways to ensure supply as per Sub Group plan.
22	**Avantha Bhandar**	MCL	1.25 Rakes	1.8 Rakes	2.0 Rakes	9 value paid rakes are pending.
23	**Dahanu**	SECL	1.5 Rake	0.8 Rake	1.5 Rake	TPP has not made any decision on the use of raw coal through washery. This may be expedited. Railways to supply 2 rakes/day through all sources i.e SECL sidings and washery.
24	**Dhariwal TPS**	SECL	1.5 Rakes	1.0 Rake	1.5 Rakes	Railways to supply rakes to liquidate 0.16 LT coal stock lying at Jairam Nagar GSS.
		WCL	0.7 Rake	0.3 Rake	0.7 Rake	
		Total	**2.2Rakes**	**1.3 Rake**	**2.2 Rakes**	
25	**Wardha Warora**	WCL	Coal supply as per payment.			
26	**GMR Warora**	SECL	1.5 Rake	0.8 Rake	1.5 Rake	6 value paid rakes pending.
27	**Adani Tirora**	SECL	7.0 Rakes	6.2 Rake	7.0 Rakes	
		WCL	3.0 Rakes (RCR)	3.7 Rakes (RCR)	3.0 Rakes (RCR)	
		MCL	0.5 Rake	0.8 Rake	0.5 Rake	
		Total	**10.5 Rakes (Incl RCR)**	**10.7 Rake (Incl RCR)**	**10.5 Rakes (Incl RCR)**	
28	**Painampuram TPP (Sembcorp)**	MCL	7.0 Rake (Including SGPL)	3.8 Rakes	7.0 Rake (Including SGPL)	Railways to supply rakes as per Sub Group matrix.
29	**Tata Power Jojobera**	CCL	1.0 Rake - RCR	0.5 Rake RCR	1.0 Rake -RCR	
30	**MahadevPd./ Adhunik Power**	CCL	2.0 Rake	1.0 Rakes	2.0 Rake	
31	**GMR Kamalanga**	MCL	4.5 Rakes	2.3Rakes	4.0 Rakes	Railways to supply rakes as per Sub Group matrix.

32	**Sterlite Energy/ Vedanta**	MCL	3.0 Rake	1.7 Rake	3.0 Rake	
33	**CESC(Budge Budge)**	ECL	0.0 Rake	0.0 Rake	0.5 Rake	2 value paid rakes are pending in ECL.
		BCCL	0.5 Rake	1.5 Rake	0.5 Rake	
		Total	**0.5 Rake**	**1.5 Rakes**	**1.0 Rake**	
34	**Haldia**	MCL	3.0 Rakes	1.7 Rakes	3.0 Rakes	66 value paid rakes pending.
35	**GVK**	CCL	0.0 Rake	0.0 Rake	0.5 Rake	Rake supply as per payment and completion of payment formalities
36	**Raipur Energen/ Raikheda**	MCL	2.0 Rakes	1.8 Rakes	2.0 Rakes	
		CCL	1.0 Rake	0.7 Rake	1.0 Rake	
		SECL	0.2 Rake	0.2 Rake	0.2 Rake	
		Total	**3.2 Rake**	**2.7 Rake**	**3.2 Rake**	
37	**Maha Energen Limited**	CCL	0.9 Rake	1.0 Rake	0.9 Rake	
38	**India Power/ Disehergarh**	CCL	0.2 Rake	0.0 Rake	0.2 Rake	

Annexure

Ministry of Coal

1. Shri Sanjeev Kumar Kassi Joint Secretary CPD
2. Shri Sudarshan Bhagat Deputy Secretary CPD

Ministry of Power/CEA

1. Shri Piyush Singh, JS (Thermal)
2. Shri Nitin Prakash Director CEA

Railway Board/ Zone

1. Shri Subodh Kumar Singh, Railways Board

Representatives of Power Plants

1. Shri Tarun Bajaj Mahatma Gandhi
2. Shri Saurabh Patel Nabha Power
3. Shri Anand Mandrik Talwandi Saboo
4. Shri S H Panday Prayagraj
5. Shri Mahendra Bhagat Binjkote
6. Shri Rajesh Amravati TPS
7. Shri Jitesh Pal Adani Power
8. Shri Uppal, Rosa
9. Shri Ranjay Singh, Seoni Jhabua
10. Shri Naresh, Dahanu
11. Shri Anirudha, Painampuram
12. Shri Rakesh Bhadoriya, Tata Power
13. Shri Venkatesh, KSK Akaltara
14. Shri D.P Roy, Unchhpinda
15. Shri Sunil Saran, Bina
16. Shri Ravinder Tariyal, Bajaj Group
17. Shri Vernon Moris, Haldia
18. Shri Himal Shah, Sabarmati
19. Shri Prakash Sethia, Hiranmaye TPS
20. Shri Akash Saxena, GMR Warora
21. Shri Kapil Thapar, Budge Budge TPS
22. Shri Srinivas Reddy, GVK Goindwal

Coal India Limited

1. Shri A.K. Gupta GM (M&S) CIL
2. GM/HoD (M&S)- ECL, BCCL, CCL, NCL, WCL, SECL, MCL

Annexure 3:

Submitted in Excel Format (In Soft)

ANNEXURE-P24

Shakti WIV Coal Consumption 2023-24

	April	May	June	July	Total
Particulars	R3	R2	R3	R3	
	MT	MT	MT	MT	MT
Unit 2	12579	30501	24347	1298	68726
Unit 3	8357	28726	6438	764	44285
Unit 2&3	20936	59227	30785	2062	113011

Segregation of Total Coal under R2&R3	
R2	R3
MT	MT
30501	38225
28726	15559
59227	53784

In terms of Percentage	
R2	R3
%	%
44.38%	55.62%
64.87%	35.13%
52.41%	47.59%

REVISED ADD CAP PHASING

ANNEXURE P25

									Approved Capitalisation Plan (Value Apportioned to Unit 2&3)						Revised Capitalisation Plan (Value Apportioned to Unit 2&3)					
Sr. No.	**Project Description**	**Asset Class**	**Original/Add Cap**	**Scheme Type**	**Total Cost as per Order (Lakh)**	**Total Proposed Cost (Lakh)**	**Used in Units**	**Apportioned Cost (Proposed) to U2&3(Lakh)**	**FY-22**	**FY-23**	**FY-24**	**FY-25**	**FY-26**	**Total**	**FY-22**	**FY-23**	**FY-24**	**FY-25**	**FY-26**	**Total**
1	Hydraulic Auger for CHP (Carry Forward)	P&M in Gen Stn	Add Cap	new	456	456	1,2,3,4,5	200	200					200.00				200.00		200.00
2	Replacement of Dead Tank CT with Live Tank CT (Carry forward)	Transformers, Kiosk, sub-station equipment	Original	Replacement	174.00	205.26	1,2,3,4,5	89.98	11.84	17.75	21.70	24.99		76.28	24.87	13.51	26.61	24.99		89.98
3	Up Gradation of FSSS and BOP Control System (Carry Forward)	P&M in Gen Stn	Original	Replacement		133.04	2	133.04						-	133.04					133.04
4	Up Gradation of FSSS and BOP Control System (Carry Forward)	P&M in Gen Stn	Original	Replacement		52.83	3	52.83						-	52.83					52.83
5	Turbine and Generator Bearing sets (Carry Forward)	P&M in Gen Stn	Add Cap	new		78.97	2	78.97						-	36.28	36.90				73.18
6	Turbine and Generator Bearing sets(Carry Forward)	P&M in Gen Stn	Add Cap	new		78.97	3	78.97						-	73.18	-				73.18
7	Up Gradation of Plant Information System(Carry forward)	IT Equipment and Software	Add Cap	new		21.93	1,2,3,4,5	9.61						-	9.46					9.46
8	Control Room AC System	Air Conditioning	Original	Replacement	345	633.5	2,3	633.5	172.5	172.5				345.00			633.50			633.50
9	Ash Conveying pipe line	P&M in Gen Stn	Original	Replacement	280	280	2,3	280	100	180				280.00			280.00			280.00
10	Workshop machine Tools, Condition Monitoring tools & Mobile Environmental dust Extractor	Any other assets not covered above	Add Cap	new	200	200	1,2,3,4,5	87.67	32.88	54.79				87.67			38.58	49.10		87.67
11	Turbine Parting Plane Bolts & Coupling Bolts	P&M in Gen Stn	Original	Replacement	433.76	433.76	2	433.76		433.76				433.76				433.76		433.76
12	BFP Destaging	P&M in Gen Stn	Add Cap	Technological Upgradation	275	275	2,3	275	275					275.00	222.54	18.09	-			240.63
13	CHP Dozer	Self-propelled ve	Original	Replacement	540	725	1,2,3,4,5	317.81	236.71					236.71			317.81			317.81
14	New Weigh Bridge for Bulker	P&M in Gen Stn	Add Cap	New	112.04	112.04	1,2,3,4,5	49.11	49.11					49.11			49.11			49.11
15	Multi-Layered Security System for Jojobera Power Plant.	P&M in Gen Stn	Add Cap	New	275	275	1,2,3,4,5	120.55	65.75	54.79				120.55			52.84	67.71		120.54
16	Upgradation of Fans Pneumatic Actuators to Electrical Actuator	P&M in Gen Stn	Original	Replacement	240	240	2,3	240.00	240.0					240.00			240.00			240.00
17	CHP PLC Upgradation	P&M in Gen Stn	Original	Replacement	150	150	1,2,3,4,5	65.75						-		65.63				65.63
18	Spray Nozzle for Boiler	P&M in Gen Stn	Original	Replacement		70	3	70.00											70.00	70.00
19	Spray Nozzle for Boiler	P&M in Gen Stn	Original	Replacement		70	2	70.00										70.00		70.00
20	Upgradation of DAVR(Digital Automatic Voltage Regulator)	P&M in Gen Stn	Original	Replacement		130	3	130.00											130.00	130.00
21	Upgradation of DAVR(Digital Automatic Voltage Regulator)	P&M in Gen Stn	Original	Replacement		130	2	130.00										130.00		130.00
22	Procurement of Laptops/IT Equipments	IT Equipment and Software	Add Cap	Replacement			1,2,3,4,5	0.00						-	6.80	4.16				10.95
23	Procurement of Chairs for Auditorium/Training Centre	Office Furniture and	Add Cap	Replacement			1,2,3,4,5	0.00						-	4.93					4.93
24	Upgradation of Metering System	Meters	Add Cap	new		-0.55	1,2,3,4,5	-0.24							-0.24					-0.24

25	Procurement of Water Coolers	Office Furniture and	Add Cap	new			1,2,3,4,5									0.88				0.88
26	Vehicles	Self-propelled vehicles	Add Cap				1,2,3,4,5									19.38				19.38
	Total				3,481.05	4,751.01		3,546.32	1,383.79	913.60	21.70	24.99	-	2,344.08	563.70	158.55	1,638.44	975.55	200.00	3,536.24

REVISED DECAP PHASING

									Approved De-Capitalisation Plan (Value Apportioned to Unit 2&3)						Revised De-Capitalisation Plan (Value Apportioned to Unit 2&3)						
Sr. No.	**Project Description**	**Asset Class**	**Original/Add Cap**	**Scheme Type**	**Total Cost as per Order (Lakh)**	**Total Proposed Cost (Lakh)**	**Used in Units**	**Apportioned Cost (Proposed) to U2&3(Lakh)**	**FY-22**	**FY-23**	**FY-24**	**FY-25**	**FY-26**	**Total**	**FY-22**	**FY-23**	**FY-24**	**FY-25**	**FY-26**	**Total**	**Comments for Decap**
1	Hydraulic Auger for CHP (Carry Forward)	P&M in Gen Stn	Add Cap	new	456	456	1,2,3,4,5	200												-	New Addition
2	Replacement of Dead Tank CT with Live Tank CT (Carry forward)	Transformers, Kiosk, sub-station equipment	Original	Replacement	174.00	205.26	1,2,3,4,5	89.98	3.86	5.57	6.55	7.25	-	23.23	7.78	3.91	7.13	6.19	-	25.01	As per Estd. Historical value
3	Up Gradation of FSSS and BOP Control System (Carry Forward)	P&M in Gen Stn	Original	Replacement		133.04	2	133.04							29.89					29.89	Decapitalization as per Books of March'22, Allocated decapitalisation for FY 22 mapped here
4	Up Gradation of FSSS and BOP Control System (Carry Forward)	P&M in Gen Stn	Original	Replacement		52.83	3	52.83								-11.87				-11.87	Decapitalised in previous years/diff b/w actual vs provisional is added back
5	Turbine and Generator Bearing sets (Carry Forward)	P&M in Gen Stn	Add Cap	new		78.97	2	78.97												-	Approved as capital spares.
6	Turbine and Generator Bearing sets(Carry Forward)	P&M in Gen Stn	Add Cap	new		78.97	3	78.97												-	Approved as capital spares.
7	Up Gradation of Plant Information System(Carry forward)	IT Equipment and Software	Add Cap	new		21.93	1,2,3,4,5	9.61												-	New Addition
8	Control Room AC System	Air Conditioning	Original	Replacement	345	633.5	2,3	633.5	56.30	54.13	-	-	-	110.43	-	-	169.67	-	-	169.67	As per Estd. Historical value
9	Ash Conveying pipe line	P&M in Gen Stn	Original	Replacement	280	280	2,3	280	32.64	56.48	-	-	-	89.12	-	-	74.99	-	-	74.99	As per Estd. Historical value
10	Workshop machine Tools, Condition Monitoring tools & Mobile Environmental dust Extractor	Any other assets not covered above	Add Cap	new	200	200	1,2,3,4,5	87.67												-	New Addition
11	Turbine Parting Plane Bolts & Coupling Bolts	P&M in Gen Stn	Original	Replacement	433.76	433.76	2	433.76	-	136.11	-	-	-	136.11	-	-	-	107.51	-	107.51	As per Estd. Historical value
12	BFP Destaging	P&M in Gen Stn	Add Cap	Technological Upgradation	275	275	2,3	275												-	No Replacement, Additional Work
13	CHP Dozer	Self-propelled ve	Original	Replacement	540	725	1,2,3,4,5	317.81	77.26	-	-	-	-	77.26	-	-	85.12	-	-	85.12	As per Estd. Historical value
14	New Weigh Bridge for Bulker	P&M in Gen Stn	Add Cap	New	112.04	112.04	1,2,3,4,5	49.11						-	-	-	-	-	-	-	New Addition
15	Multi-Layered Security System for Jojobera Power Plant.	P&M in Gen Stn	Add Cap	New	275	275	1,2,3,4,5	120.55						-						-	New Addition
16	Upgradation of Fans Pneumatic Actuators to Electrical Actuator	P&M in Gen Stn	Original	Replacement	240	240	2,3	240.00	7.83					7.83			7.83			7.83	As per estimated value of Pneumatic Actuators
17	CHP PLC Upgradation	P&M in Gen Stn	Original	Replacement	150	150	1,2,3,4,5	65.75							-	19.00	-	-	-	19.00	As per Estd. Historical value
18	Spray Nozzle for Boiler	P&M in Gen Stn	Original	Replacement		70	3	70.00							-	-	-	-	16.06	16.06	As per Estd. Historical value
19	Spray Nozzle for Boiler	P&M in Gen Stn	Original	Replacement		70	2	70.00							-	-	-	17.35	-	17.35	As per Estd. Historical value
20	Upgradation of DAVR(Digital Automatic Voltage Regulator)	P&M in Gen Stn	Original	Replacement		130	3	130.00							-	-	-	-	29.82	29.82	As per Estd. Historical value
21	Upgradation of DAVR(Digital Automatic Voltage Regulator)	P&M in Gen Stn	Original	Replacement		130	2	130.00							-	-	-	32.22	-	32.22	As per Estd. Historical value
22	Procurement of Laptops/IT Equipments	IT Equipment and Software	Add Cap	Replacement			1,2,3,4,5	0.00							3.55	4.58				8.13	As per books
23	Procurement of Chairs for Auditorium/Training Centre	Office Furniture and	Add Cap	Replacement			1,2,3,4,5	0.00												-	As per books
24	Upgradation of Metering System	Meters	Add Cap	new		-0.55	1,2,3,4,5	-0.24													As per books
25	Procurement of Water Coolers	Office Furniture and	Add Cap	new			1,2,3,4,5														As per books
26	Vehicles	Self-propelled vehicles	Add Cap				1,2,3,4,5								7.84					7.84	As per books
	Total				3,481.05	4,751.01		3,546.32	177.89	252.29	6.55	7.25	-	443.97	49.06	15.61	344.74	163.27	45.87	618.56	

ANNEXURE P26

INDEX

Sl. No.	D e s c r i p t i o n
	PART – I (TECHNICAL PART)
A.	**TECHNICAL PART**
1.0	BASIS OF OFFER
2.0	BASIC PLANT DATA
3.0	CONSIDERATION OF DESIGN
4.0	SCOPE OF WORK
5.0	SPECIFICATION
6.0	EQUIPMENT DESCRIPTION
7.0	SAMPLING CALCULATION
8.0	CLARIFICATION / DEVIATION
9.0	EXCLUSION SHEET
10.0	SCOPE MATRIX
	PART – II (PRICE PART)
1.0	PRICE SCHEDULE

T E C H N I C A L P A R T

1.0 BASIS OF OFFER:

The Sampling System has been designed based on various International and Indian Codes and best of engineering practice in the field. The offer is based on the tender documents and following basic plant data.

While designing the system, we have considered all equipment capacities considering one conveyor running at a time.

This offer is considering Only one no. Primary Sampler fitted on conveyor.

2.0 BASIC PLANT DATA

S. No.	Description	Parameter For Conveyor
1	Conveyor No.	Conveyor # 2
2	Belt Capacity, (TPH)	1000
3	Belt width, (mm)	1600
4	Belt Speed, (m/sec.)	1.60
5	Material	Coal
6	Lump Size	(-) 400 mm
7	Moisture Content, Total	25 %, Max
8	No. of Conveyors	One
9	Lot Size Considered	8 Hours shift
10	Troughing Angle	45 Deg.

3.0 CONSIDERATION OF DESIGN:

3.1 The complete Sampling system is typically developed for retrofitting in existing plant or in new construction with minimum site work.

4.0 SCOPE OF WORK:

4.1 The scope of work under this offer is for supply of Sampling system and scope of work as elaborated in Scope Matrix.

4.2 Commissioning spares, as required for our supplied equipment is in our scope.

4.3 List of Equipment: Following is list of equipment considered for this offer:

S. No.	Equipment	Qty.	UOQ	Remarks
1.0	Primary Sampler	1	No.	
2.0	5 Roll Idlers	3	Sets	
3.0	Primary Belt Feeder	1	No.	

4.0	Single stage Crusher	1	No.	
5.0	Secondary Belt Feeder	1	No.	
6.0	Secondary Sampler	1	No.	
7.0	Bottle collector	1	No.	
8.0	Bucket elevator	1	No.	
9.0	Power Cum Control Panel (PLC based)	1	No.	
10.0	Chutes SS 304, 5 thk	1	Lot	
11.0	Container for housing secondary equipment	1	No.	

5.0 SPECIFICATION:

5.1 SAMPLING SYSTEM: For determining the quality of coal conveyed by conveyor sampling is being provided. The sampling system shall consist of primary sampler fitted on the conveyors, primary sample belt feeder, crusher (single stage), secondary sampler, and sample collector. The sampling system shall conform to ASTM 7430 specifications. The broad Sample Calculation and equipment parameters are enclosed herewith. It will have, interalia, the following features: -

5.2 EQUIPMENT SPECIFICATION:
Detail specifications of all the equipment for the systems are as given below –

5.3 SWEEP (SWING-ARM) PRIMARY SAMPLER
For the primary samplers, we have offered custom-designed sweep (swing-arm) sampler. We will provide left hand / right hand unit as per site requirement. The cutter of 3 times the coal particle size and will be constructed from 304 stainless steel. There will also be 304 stainless steel wear plates in strategic areas to prevent sample build-up as a result of the variable moisture content. The units will be driven by a geared motor and be designed in accordance with latest drive models. The Sampler will have Rubber / HDPE lip fitted at bottom of cutter.

5.4 SAMPLE BELT FEEDER:
There shall be one belt feeder conveyor to collect coal samples from the discharge chute of crusher on which secondary Sampler will be installed. The belt feeders shall be complete with head and tail sections, drive, skirting, adjustable feed gate, infeed and outfeed sections, conveyor belting etc. The complete system shall be designed to suit the duty requirement and to feed the coal to the subsequent crusher without loss of fines or moisture. The belt conveyor shall be sealed by skirting at the feed point and totally enclosed. The belting shall be of Nylon – Nylon having cut edge and FR cover grade.

A screw take-up and pulley scrapper is also provided.

5.5 CRUSHER

We recommend one Hammer Mill Crusher complete with ancillary equipment (motor, pulleys, drive guard, V-belts and base plate) for the Sampling System. The Crusher will suitable to crush (-) 40 0mm down to 95% (-) 8 mesh and 99% (-) 4 mesh in single stage.

5.6 SECONDARY SAMPLER

This shall be self-contained, dust tight and shall be of modular construction. The sampler shall be complete in all respect with M.S. housing inspection door, drive etc. as required. The cutter shall be made of stainless steel and shall be dividing the Primary Samples collected on secondary belt feeder. The sample cutter shall have cutter opening to suit the design. The cutter opening shall be completely sealed to prevent contamination when the cutter is parked. The secondary sampler will be mounted on secondary belt feeder.

5.7 BOTTLE COLLECTOR:

This shall be 4 (Four)-station rotary sample collector. The sample shall be collected in containers with proper fittings for engagements and removals. The rotating table shall be driven by geared motor drive system. The containers shall be made of SS-304.

5.8 BUCKET ELEVATOR:

The rejected coal from the sampling system shall be fed back to the plant conveyor through bucket elevator. The bucket elevator shall be complete with drive, motor, reduction gearbox, etc and totally enclosed. The complete equipment shall be designed to suit the duty requirement. The material of bucket will be of Mild Steel with hard facing at tip. Only the shaft will be made by EN – 8. The supporting structure above floor level, if required alongwith ladder and platform will be supplied by us. The equipment will be complete with one no. Proxy Sensor.

5.9 BIAS SAMPLING:

For bias sampling the Primary belt feeder will be reversed. The sample will get collected in Bias Sample container. The container will be made of SS 304 having appx. 50 kg holding capacity.

5.10 POWER CUM CONTROL PANEL:

One number microprocessor-based power cum control panel will be provided. The panel shall consist of processors, I/O modules, I/O adopter modules, start stop push buttons and 10” HMI based mimic. The panel shall be made in such a manner that can operate the total sampling system either in fully automatic mode or by Local Push Button Station located near to individual equipment. The each LPBS shall consist of On/Off cum Emergency push button. The control system will be provided with our proprietary system control software.

The Panel will also house suitable power modules. The Purchaser will provide 415V, 3 ph power to our panel, from there the necessary distribution will be done by us. The Panel will be non-modular Fixed type.

The Panel will be installed inside an Air-Conditioned Control room located near to site.

The protection level of Power cum Control panel will be IP:55. The PLC panel will have necessary provisions to hook it up with plant DCS, if required for operation of CSU from Plant DCS.

6.0 EQUIPMENT DESCRIPTION:

6.1 Primary Sampler

- Type: Sweep / Scoop type
- Quantity: 1 No.
- MOC: Cutter of AISI-304, other parts MS
- Cycle time shall be adjustable through timer during operation.
- Cutter opening: 1200 mm, as per ASTM D-7430
- Geared brake Motor: 15 KW

6.2 Belt Feeder

- Location: 1 no. before and 1 no. after Crusher
- Capacity: As per system
- Quantity: Two
- Chute: SS304
- Geared Motor: 1.1 KW
- Speed: Fixed

6.3 Crusher

- Feed coal size: (-) 400 mm,
- Out put size: (-) 4.75 mm (NTS)
- Type: Hammer Mill
- Capacity: 5 TPH, Designed
- Quantity: One
- Moisture: 35 % (Total)
- Motor: 37.0 Kw

6.4 Secondary Sampler

- Type: Sweep Sampler
- Cutter: AISI -304
- Cutter opening: As per ASTM D-7430
- Output capacity: As per system calculation
- Quantity: One
- Motor: 0.37 kW

6.5 Rotary Sample Collector

- No of container: 4
- Container Capacity: 100 kg, each container
- Material: SS 304
- Quantity: One
- Motor: 0.37 kW

6.6 Reject Bucket Elevator

- Elevate the reject material & feed back to the downstream conveyor

- Capacity: 5.0 TPH
- Quantity: One
- Motor: 3.7 kw

6.7 Chutes

- Above crusher: SS -304, 5mm thick
- Bellow crusher: SS-304, 5mm thick
- Reject chutes: SS-304, 5mm thick
- All chutes will have a minimum valley angle: 60 degree

6.8 Power Cum Control System

- Local Starter Panel with microprocessor-based control system
- PLC make will be of Rockwell / GE / ABB
- Protection Class of Panel: IP:55

6.9 Sample preparation room

- Complete with Exhaust Fan, Windows, Door

7.0 SAMPLING CALCULATION:

ADVANCED SYSTEMS SAMPLING PVT. LTD.						
SAMPLING SYSTEM CAPACITY CALCULATION						
CLIENT : The Tata Power Co. Ltd.					SHT. 1 OF 1	
COAL SAMPLING SYSTEM						
Project: Jojobera Power Plan						
(Capacity calculation Considering Lot Size based upon Conveyor capacity)						
1.0	**Standard to which the Sampling System conforms**	:	ASTM - D2234 ASTM - D7430			
2.0	**Location**	:	Conveyor # 2			
3.0	**Type**	:	2 stage Sampling System			
4.0	**Operating data**	:				
4.1	Material	:	Coal			
4.2	Maxm. Lump size	:		=	400	mm.
4.3	No. of Conveyor working at a time	:	One			
4.4	Lot size	:		=	8000	MT.
4.5	Feed conveyor capacity	:		=	1000	TPH
4.6	Time taken per lot	:		=	8.00	Hrs.
4.7	Belt width	:		=	1600	mm.
4.8	Belt Speed	:		=	1.60	m/sec.
5.0	**No. of cuts / lot**	:		=	98.99	Nos. / Lot
6.0	**No. of cuts /hr.**	:		=	12.37	Nos. / hr.
			say		15.00	
7.0	**Primary Sampler**					
7.1	Cutter opening	:	3 X top lump size	=	1200.00	mm.
7.2	Sample per cut	:		=	208.33	Kg.
7.3	Total Primary Sample per Sampler	:		=	3125.00	Kg./hr.
8.0	**Total Primary Sampler**	:		=	3125.00	Kg./hr.
9.0	**No. of Conveyor working at a time**	:		=	1.00	
10.0	Belt Feeder (Secondary)		Speed		0.25	m/sec.
11.0	**Secondary Sampler**					
11.1	Cutter opening	:	Min 40 mm	=	40.00	mm.
11.2	Sample per cut	:	(Feed Con. CapacityXCutter Opening)/(3600XBelt Speed)	=	0.139	Kg.
11.3	No. of Cuts (Adjustible)		Min 60		60.00	
11.4	Total Sample	:	Sample per Cut X No. Of Cuts/Hr.	=	8.33	Kg./hr.
12.0	Sample per lot	:	Sample per hr. X Time taken per lot	=	66.67	Kg./lot.

8.0 SCOPE MATRIX:

S. No.	Description	Design & Engg.	Supply / Services	Erection	Supervision during erection	Commissioning
A.	**Supply**					
A.1	**Mechanical**					
1	Sampling System Equipment with chute work	Vendor	Vendor	Vendor	Vendor	Vendor
2	5 Roll Idlers to be installed below main conveyor	Vendor	Vendor	Vendor	Vendor	Vendor
A.2	**Electrical and C&I**					
1	Power cum Control Panel with feeder for individual drive	Vendor	Vendor	Vendor	Vendor	Vendor
2	Power Cable, trays - From Power Panel to individual Drives Considering max. 30 mtr. distance	Vendor	Vendor	Vendor	Vendor	Vendor
3	Power Cable, trays -Incomer to Sampler Power Panel	Purchaser	Purchaser	Purchaser	Purchaser	Purchaser
4	Control Cable from Plant PLC to Sampler PLC Panel along with tray and accessories, as required.	Purchaser	Purchaser	Purchaser	Purchaser	Purchaser
5	Control Cable, tray from Sampler PLC Panel to Field Instruments, LPBS.	Vendor	Vendor	Vendor	Vendor	Vendor
B.	**Civil Work**					
1	Foundation work for all Equipment / Supports	Vendor	Purchaser	Purchaser	Purchaser	Purchaser
2	Miscl. Civil Works	Vendor	Purchaser	Purchaser	Purchaser	Purchaser
C.	**Structural Work**					
1	Supply of Steel	Vendor	Vendor	Vendor	Vendor	Vendor
2	Fabrication and erection of structural steel	Vendor	Vendor	Vendor	Vendor	Vendor
3	Painting	Vendor	Vendor	Vendor	Vendor	Vendor
D.	**Equipment Storage & Erection**					
1	Unloading of Equipment at Plant	Purchaser				
2	Storage of Equipment	Purchaser				
3	Shifting of Equipment to Site	Vendor				
4	Erection of Equipment	Vendor				
5	Final Dressing	Vendor				
6	Painting, as required	Vendor				
7	Power & Water at site	Purchaser				
8	Crane	Purchaser				

P R I C E P A R T

PRICE SCHEDULE:

S. No.	Description	Qty.	UOQ	Unit Rate	Total Price
A.					
1	Design, engineering, manufacturing & supply of sampling system	1	Set	1,30,00,000.00	1,30,00,000.00
2	Site work as per scope matrix of our offer	1	Lot	Included	
3	Field Cable, trays etc.	1	Lot	By Purchaser	
4	Structural Steel work, Estimated	15	MT	Included	
5	Civil Work	1	Lot	By Purchaser	
6	Recommended Spares for 2 years operation	1	Lot	8,00,000.00	8,00,000.00
	Sub - Total (A)				1,38,00,000.00
B.	Add GST (Present Rate 18%)				24,84,000.00
C.	Total inclusive of GST				1,62,84,000.00
Rupees One Crore Sixty two Lacs and Eighty four Thousands only					

ANNEXURE-P27

सत्यमेव जयते

झारखण्ड गजट

असाधारण अंक

झारखण्ड सरकार द्वारा प्रकाशित

12 माघ, 1944 (श०)

संख्या - 56 राँची, बुधवार, 1 फरवरी, 2023 (ई०)

जल संसाधन विभाग

अधिसूचना

17 जनवरी, 2023

विषयः-झारखण्ड उदवह् सिंचाई अधिनियम 1956 की धारा-23, 24, 28 एवं 29 तथा झारखण्ड सिंचाई अधिनियम 1997 की धारा- 62, 63 तथा 116(2) के अधीन झारखण्ड राज्यान्तर्गत म्युनिसिपल व्यावसायिक एवं औद्योगिक जलापूर्त्ति का जल-दर को पुनरीक्षित करने के संबंध में ।

संख्या- 2/PMC/जलापूर्त्ति-175/2007- 30--जल संसाधन विभाग गैर-कृषिकारी उपयोग हेतु विभिन्न उपभोक्ताओं को जल उपलब्ध कराता रहा है। म्यूनिसिपल व्यावसायिक एवं औद्योगिक जलापूर्त्ति हेतु जल संसाधन विभाग द्वारा समयसमय पर विभागीय आदेश द्वारा जल-दर (Water tariff) निर्धारित की जाती रही है। म्यूनिसिपल एवं औद्योगिक जल-दर (Water tariff) 01 अप्रैल 2011 से प्रति हजार गैलन के आधार पर निर्धारित किया गया था ।

1. 01 अप्रैल 2011 से जल-दर लागू होने के पश्चात् दस वर्ष व्यतीत होने के उपरान्त इसमें कतिपय संशोधनों की आवश्यकता महसूस की गई है ।

2. देश के अन्य राज्यों (यथा उड़ीसा, छत्तीसगढ़, महाराष्ट्र, गुजरात, प० बंगाल, बिहार) में लागू जल-दरों पर राज्य सरकार द्वारा सम्यक् रूप से विचार करने के पश्चात विभिन्न जलस्त्रोतों (यथा प्राकृतिक नदी/नाला आदि, जलाशय तथा नहर) से झारखण्ड राज्य में औद्योगिक इकाईयों/व्यावसायिक प्रतिष्ठानों द्वारा औद्योगिक/व्यावसायिक उपयोग एवं औद्योगिक इकाईयों/निजी एवं सरकारी संस्थानों द्वारा म्यूनिसिपल उपयोग हेतु 01 अप्रैल 2023 से प्रति हजार लीटर की इकाई के आधार पर जल-दर निम्नरूपेण निर्धारित किया जाता है :-

(जल-दर रू० प्रति 1000 लीटर)

क्र.सं.	**जल उपयोग का प्रयोजन**	**जल स्त्रोत का प्रकार**		
		प्राकृतिक जलस्त्रोत (नदी, नाला, जलधारा)	**जलाशय एवं जलाशय का Down stream (D/S)**	**निर्मित नहर**
1	**2**	**3**	**4**	**5**
I	औद्योगिक ईकाईयों/व्यावसायिक प्रतिष्ठानों के लिये औद्योगिक/ व्यावसायिक उपयोग हेतु	4.50	13.00	32.00
II	पेयजल एवं म्यूनिसिपल उपयोग हेतु			
(a)	औद्योगिक ईकाईयों/निजी संस्थानों/ निजी शैक्षणिक संस्थानों द्वारा म्यूनिसिपल उपयोग एवं पेयजलापूर्ति हेतु	4.30	4.30	16.00
(b)	शहरी क्षेत्रों में पेयजल एवं स्वच्छता विभाग, नगर निगम, नगरपालिका, अधिसूचित क्षेत्र समिति, माडा- धनबाद, माडा- हजारीबाग एवं अन्य सरकारी संस्थान द्वारा म्यूनिसिपल उपयोग एवं पेयजलापूर्ति हेतु	3.80	3.80	6.50
(c)	ग्रामीण क्षेत्रों में पेयजल एवं स्वच्छता विभाग, पंचायती राज संस्थानों एवं अन्य सरकारी संस्थानों द्वारा म्यूनिसिपल उपयोग एवं पेयजलापूर्ति हेतु	0	0	4.30

3. उपरोक्त कंडिका-2 में निर्धारित की गई जल-दरें अधिसूचना 01/04/2023 से प्रभावी होगी ।

4. मुद्रा स्फीति की दरों में औसत वृद्धि के आलोक में उपरोक्त कंडिका2 में अंकित जल-दरों में प्रतिवर्ष वित्तीय वर्ष 2023-24 से अर्थात 01 अप्रैल 2024 से 7.5% वृद्धि (वार्षिक चक्रवृद्धि दर से) कर पुनरीक्षित जल-दर लागू होगी। इसके बाद के आगामी वर्षों में भी जल-दरों में प्रतिवर्ष 7.5% की वृद्धि (वार्षिक चक्रवृद्धि दर से) लागू होगी ।

5. एकरारनामा आधारित जलावंटन की मात्रा के अनुरूप विभाग द्वारा निर्गत विपत्र के आधार पर प्रत्येक माह निर्धारित तिथि के अन्तर्गत विपत्र का भुगतान किया जाना आवश्यक होगा। भुगतान नहीं किये जाने की स्थिति में विलम्बित भुगतान अधिभार अर्थात् DPS (Delayed Payment Surcharge) 2% (दो प्रतिशत) प्रतिमाह (मासिक चक्रवृद्धि दर से) की दर से राशि वसूली जाएगी ।

6. उपभोक्ता संस्थान द्वारा उनको आवंटित वार्षिक जल की मात्रा के विपत्र की सम्पूर्ण राशि का भुगतान एकमुशत वर्ष के प्रथम तिमाही में ही करने पर कुल वार्षिक विपत्र की राशि में पाँच प्रतिशत (5%) की छूट दी जायगी ।

7. इस आदेश मे निहित मुख्य तकनीकी शब्दों की परिभाषा निम्नवत है-:

जल-दर (Water tariff) -विभिन्न औद्योगिक इकाईयों/व्यापारिक संस्थानों/निजी या सरकारी संस्थानो/या अन्य किसी एजेन्सी द्वारा लिये जा रहे जलापूर्ति के एवज मे सरकार को प्रति हजार लीटर जलापूर्ति के लिए भुगतेय राशि (रूपया में) ।

औद्योगिक इकाई-झारखंड राज्य में स्थापित किसी भी श्रेणी/प्रकार (Small/ Medium/ Large/ Private/ Public Sector/ Joint Sector या अन्य सभी इकाई जो Industry के रूप में परिभाषित है) की औद्योगिक इकाई ।

व्यावसायिक इकाई/प्रतिष्ठान-झारखंड राज्य में स्थापित किसी भी प्रकार की व्यावसायिक इकाई/प्रतिष्ठान जिसका मुख्य उद्देश्य व्यवसाय के माध्यम से लाभ अर्जित करना है एवं जो व्यापार के रूप में परिभाषित है ।

D/S of reservoir- Where assured water is supplied through a dam in down stream (D/S) of river.

8. अन्य सभी तकनीकी शब्दावलियाँ मानक पुस्तकों में यथा परिभाषित ।

9. इस आदेश पर मंत्रिपरिषद की स्वीकृति प्राप्त है ।

झारखण्ड राज्यपाल के आदेश से,

प्रशांत कुमार,
सचिव
जल संसाधन विभाग ।

झारखण्ड राजकीय मुद्रणालय, राँची द्वारा प्रकाशित एवं मुद्रित,
झारखण्ड गजट (असाधारण) 56 -- 50

Kumar Dilip

To: Jagmit Singh Sidhu; Prakash Pankaj
Cc: Chouhan Satyajeet; De Anshuk; Hansdah Basudev
Subject: RE: Payment towards water supply bills.

From: Pranay Sinha <pranay.sinha@tatasteel.com>
Sent: Wednesday, July 5, 2023 4:39 PM
To: Jagmit Singh Sidhu <singhjs@tatapower.com>
Cc: Kumar Randhir <randhir.kumar@tatapower.com>; Yoganta Gupta <yoganta.gupta@tatasteel.com>
Subject: Payment towards water supply bills.

[EXTERNAL sender, Exercise caution..!]

Dear Mr Sidhu,

This is with reference to your letter no. JPP/176/2020 dt 26/09/2020 about payment towards water supply to Unit # 2 & 3 of Jojobera Power Plant. We note that the payment against water supply to the said units is being made in the computed apportionment ratio of 44.63% from August 2020 onwards.

We wish to inform you that the Water Resources Department, Government of Jharkhand has issued revised water notification which is applicable from the 1st of April 2023 (copy attached). Under the revised notification, there are separate classifications for supply for industrial usage and supply for municipal. The Company has agreed to the rates for supply of water for industrial usage (Rs 13.00 per KL) and paying the same in its entirety. Accordingly, the Company has made entire payment for billing of water consumption for industrial purposes since the billing period for the month of April and May.

You are requested to make payment of the entire billed amount for the period of April 2023 onwards. It may also be noted that rates for the period prior to April 2023 is under active consideration with State Government and we shall intimate you of the applicable final rates for the industrial consumption.

In case of any clarification, you may wish to seek clarification either from Mr Yoganta Gupta, Head BAG, Corporate Services, who is also copied in this mail (mobile no.: 9040096029) or me.

Warm regards,

Pranay Sinha
Chief Corporate Services,
Tata Steel Ltd.
Corporate Centre | Jamshedpur-831001
Tel +91-0657-6645033 | +91-0657-2756501| Mobile +91-9234555732
Pranay.sinha@tatasteel.com | http://www.tatasteel.com.

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ANNEXURE-P28

Title: Reduction of Transit Loss in Middling Coal at Jojobera Power Plant

Introduction: Jojobera Power Plant, a vital part of Tata Steel and Tata Steel Distribution Licensee, plays a crucial role in the energy landscape. With an annual intake of approximately 27-28 Lakh MT of domestic coal from Coal India Limited (CIL) and Tata Steel, including 11 Lakh MT from Tata Steel, Jojobera Power Plant's operations are pivotal to Tata Steel's energy requirements. The plant consists of five coal-based units, each operating under distinct arrangements: CPP, IPP, and Tolling. Transported exclusively by rail, the challenge of high transit loss in Middling Coal had persisted since long.

The Challenge: One persistent challenge at Jojobera Power Plant was the high transit loss in Middling Coal, which averaged approximately 3.5%. This issue had persisted since the initial supply from West Bokaro Siding, posing a significant operational and financial challenge.

Transit Loss Reduction: Jojobera Power Plant successfully reduced the transit loss in Middling Coal from a challenging -3.5% to a commendable -1.39% (FY-23).

Key Initiatives Implemented:

Following actions were undertaken on suggestions of team from Tata Power and TSL to improve upon the Transit Loss in Middling Coal:

i. **Weighbridge Calibration**: A critical first step involved was the meticulous checking and calibration of TSL weighbridges, carried out on 11th Feb 2022 at TSL, West Bokaro and again few times later. This ensured the accuracy of weight measurements, laying a strong foundation for transit loss reduction.
ii. **Supervision and Coordination**: Vigilance and supervision were enhanced both at the loading and unloading points. A dedicated team closely monitored operations, minimizing discrepancies, and ensuring efficient handling of coal.
iii. **Rake-to-Rake Analysis**: A comprehensive analysis of Gross and Tare weights on a rake-to-rake basis allowed for precise tracking of transit loss in Middling Coal. This data-driven approach facilitated targeted improvements.
iv. **Collaboration with TSL**: Introduction of a single Coal handling Agent for TSL Middlin Coal Supply in consultation/collaboration with coal companies. This collaboration streamlined coordination in rake movements, enhancing efficiency and reducing transit loss.
v. **Rake-wise Monitoring**: Continuous monitoring of coal movement at loading and unloading points ensured transparency and efficiency.
vi. **Enhanced Coordination**: Collaborative efforts with TSL resulted in improved communication and seamless operations.
vii. **Data-Driven Analysis**: Rake-to-rake analysis of Gross and Tare weights empowered us with valuable insights for targeted improvements.

Conclusion: The reduction of transit loss in Middling Coal at Jojobera Power Plant stands as a testament to our commitment to operational excellence. Through rigorous monitoring, strategic coordination, and data-driven decision-making, we have achieved significant improvements. This success not only enhances our operational efficiency but also contributes to Tata Power's and Tata Steel's sustainability goals. At this juncture, Tata Power also wish to submit that inherently, moisture content in washed coal is high and, therefore, loss is high in washed coal compared to other RoM Coal on which the Petitioner has no control.

Kumar Dilip

Subject: RE: Transit Loss Analysis Report for Middling coal received from WBCC

ANNEXURE-P29

From: Saurabh Goyal <saurabh.goyal@tatasteel.com>
Sent: 04 March 2022 10:51
To: Bhadoriya Rakesh <rakesh.bhadoriya@tatapower.com>; Saroj Kumar <saroj.kumar@tatasteel.com>
Cc: Jagmit Singh Sidhu <singhjs@tatapower.com>; Hansdah Basudev <bhansdah@tatapower.com>; Bose Abhishek <bosea@tatapower.com>; Shoeb Ahmad <shoeb.ahmad@tatasteel.com>
Subject: RE: Transit Loss Analysis Report for Middling coal received from WBCC

[EXTERNAL sender, Exercise caution..!]

Congratulations to entire team…

Let us sustain the performance..

Saurabh Goyal

Chief Electrical Transmission & Distribution
Tata Steel Limited | Jamshedpur 831 001| India
Ph. No: 0657-66-40500 (O) | 09234554225 (M)

From: Bhadoriya Rakesh <rakesh.bhadoriya@tatapower.com>
Sent: Thursday, March 3, 2022 12:24 PM
To: Saroj Kumar <saroj.kumar@tatasteel.com>
Cc: Jagmit Singh Sidhu <singhjs@tatapower.com>; Hansdah Basudev <bhansdah@tatapower.com>; Saurabh Goyal <saurabh.goyal@tatasteel.com>; Bose Abhishek <bosea@tatapower.com>; Shoeb Ahmad <shoeb.ahmad@tatasteel.com>
Subject: Transit Loss Analysis Report for Middling coal received from WBCC

⚠ **"External email: Do not click on links if sender is unknown"**

Dear Saroj Ji,

It gives an immense pleasure to appraise you that transit loss has been minimised/rectified after calibration of weighbridges of TSL. However, it is being observed that transits loss decreased from **2.47% to 1.02%** in the month of Feb'2022 to onwards. This could have been achieved after doing the successful Checking of trueness/ calibration of TSL weighbridges which was held on 11th Feb 2022 at TSL, West Bokaro.
It's pleasure to disclose that achievement has been made during the presence of our team.

May please find attached last 3 years trend of TL % (FY-18 to FEB-22). Currently middling coal TL% is 0.93% on YTD basis. However, after calibration of TSL weighbridges TL is decreased from 3.0 % to -0.93%.

Placed for your kind perusal and valued suggestions, if any.

Regards,
Rakesh Singh Bhadoriya

Group Head - Coal Logistics & Operations
The Tata Power Company Limited, Jojobera Power Plant, Jamshedpur 831 016 Jharkhand, India
Tel: 06576627570 Mobile: 9204750901



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ANNEXURE P30

Unit 2																																			
Particulars	UoM	Apr-22			May-22			Jun-22			Jul-22			Aug-22			Sep-22			Oct-22			Nov-22			Dec-22			Jan-23			Feb-23			Mar-23			Total
		Hot	Warm	Cold	Hot	Warm	Cold	Hot	Warm	Cold	Hot	Warm	Cold	Hot	Warm	Cold	Hot	Warm	Cold	Hot	Warm	Cold	Hot	Warm	Cold	Hot	Warm	Cold	Hot	Warm	Cold	Hot	Warm	Cold	Hot	Warm	Cold	
Plant start-ups taken	Nos.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1	0	0	2
LDO Consumed during plant start-up	kL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	40	0	12.32	0	0	52.32
Avg. LDO Consumption per start-up	kL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00	0	0	40.00	0	12.32	0	0	26.16
LDO consumed while taking flame support	kL	0			6.3			7			4.5			0.9			2.6			1			0			2			2			0			3			29.3

Unit 3																																			
Particulars	UoM	Apr-22			May-22			Jun-22			Jul-22			Aug-22			Sep-22			Oct-22			Nov-22			Dec-22			Jan-23			Feb-23			Mar-23			Total
		Hot	Warm	Cold	Hot	Warm	Cold	Hot	Warm	Cold	Hot	Warm	Cold	Hot	Warm	Cold	Hot	Warm	Cold	Hot	Warm	Cold	Hot	Warm	Cold	Hot	Warm	Cold	Hot	Warm	Cold	Hot	Warm	Cold	Hot	Warm	Cold	
Plant Start-ups taken	Nos.	2	0	0	0	0	0	0	0	0	1	0	0	0	0	0	2	0	0	0	0	0	0	0	1	0	0	0	0	1	0	0	0	0	0	0	0	7
LDO Consumed during plant start-up	kL	25	0	0	0	0	0	0	0	0	21	0	0	0	0	0	25	0	0	0	0	0	0	0	60	0	0	0	0	42	0	0	0	0	0	0	0	173
Avg. LDO Consumption per start-up	kL	12.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	21.00	0.00	0.00	0.00	0.00	0.00	12.50	0.00	0.00	0.00	0.00	0.00	0.00	0.00	60.00	0.00	0.00	0.00	0.00	42.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	24.71
LDO consumed while taking flame support	kL	1			4			1			2			0			1.5			0			0			2			2			0			1			14.5

BEFORE THE JHARKHAND STATE ELECTRICITY REGULATORY COMMISSION, RANCHI

CASE NO. OF 2023

IN THE MATTER OF:

The Tata Power Company Limited ...Petitioner.

- Versus –

Tata Steel Limited ...Respondent

AFFIDAVIT

I, Sarika Jerath, W/o. Mr. Ramnesh Jerath, aged about 41 years, R/o. 164, Maitri Apartments, I.P. Extension, Patparganj, Delhi 110092, do hereby solemnly affirm and state as follows:

1. That I am the Lead Associate-Legal of the Tata Power Company Limited, the Petitioner in the above matter, and I am duly authorized and competent to swear and depose the present affidavit on behalf of the Petitioner.

2. That the Petitioner is submitting the Petition for Truing-up of FY 2022-23 & Annual Performance Review of FY 2023-24 as per JSERC (Terms and Conditions for Determination of Generation Tariff) Regulations, 2020 along with JSERC (Terms and Conditions for Determination of Generation Tariff) (First Amendment) Regulations, 2023 and read with JSERC (Conduct of Business) Regulations, 2017 and relevant section 61, 62, 64 and 86 of the Electricity Act 2003 for sale of electricity from Unit # 2 & 3 (2x120 MW) of

Jojobera Power Plant of the Petitioner - The Tata Power Co. Ltd. to Tata Steel Limited, a Long-Term beneficiary and Distribution Licensee.

3. That I have read the accompanying Petition being submitted on behalf of the Tata Power Company Limited and have understood the contents thereof and that contents therein are true and correct to the best of my knowledge and belief and are based on the records of Tata Power and information received from the concerned officers of the Petitioner.

4. That the Annexures filed along with the accompanying Petition are true copies of their respective originals.

5. That the facts stated above in the above affidavit are true and correct to the best of my knowledge and information derived from the official records of the Petitioner. No part of the same is false and nothing material has been concealed therefrom.

The Tata Power Company Ltd.

DEPONENT

VERIFICATION

I, Sarika Jerath, the deponent above named do hereby verify that the contents of this affidavit are true and correct to the best of my knowledge and belief, no part of it is false and nothing material has been concealed therefrom.

Verified at New Delhi on this _____ day of _____, 2023.

NOTARY PUBLIC
RAJKUMAR
(ADVOCATE)
Regn. No. 8536
Expiry NOV.2027
GOVT OF INDIA

ATTESTED
NOTARY PUBLIC
DELHI (INDIA)
28 NOV 2023

The Tata Power Company Ltd.

DEPONENT