

**TARIFF PETITION**  
**FOR**  
**TRUING-UP FOR FY 2023-24**  
**AND ANNUAL PERFORMANCE REVIEW FOR FY 2024-25**



**TATA POWER**

**FROM**  
**2x120 MW UNIT 2 AND UNIT 3 AT JOJOBERA POWER PLANT, JAMSHEDPUR**

*SUBMITTED BEFORE*

*HON'BLE JHARKHAND STATE ELECTRICITY REGULATORY COMMISSION*



**NOVEMBER 2024**

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**BEFORE THE JHARKHAND STATE ELECTRICITY REGULATORY COMMISSION****Filing No.....****Case (Tariff) No. .... of 2024****IN THE MATTER OF:**

The Tata Power Company Limited  
(hereinafter referred to as "Tata Power")

.....Petitioner

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

.....Respondent

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 2023-24 and Annual Performance Review (APR) for the year FY 2024-25 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

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1. The Tata Power Company Limited (hereinafter referred to as "Tata Power" or "The Company" or "Petitioner") 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 1 <sup>st</sup> Control Period from FY 2012-13 to FY 2015-16	03.12.2011
7	MYT Petition for the 1 <sup>st</sup> 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	MYT Business Plan for the 2 <sup>nd</sup> Control Period from FY 2016-17 to FY 2020-21	28.10.2016
12	MYT Petition for the 2 <sup>nd</sup> 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	APR 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	MYT Petition for FY 2022-26 & 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
23	True Up Petition for FY2022-23 & APR Petition for FY 2023-24	28.11.2023
24	Petition for Review of Order dated 09.01.2024 for True-up for FY 2021-22, APR for FY 2022-23	08.02.2024
25	Petition for Review of Order dated 06.06.2024 for True-up for FY 2022-23, APR for FY 2023-24	05.07.2024

### **A.1. MATTERS PENDING ADJUDICATION BEFORE HON'BLE APTEL**

1. The following matters are pending adjudication before Hon'ble APTEL against various petitions/ Tariff orders for previous years (collectively referred to as Pending Matters).

<b>Forum</b>	<b>Number</b>	<b>Brief Description</b>
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.

2. 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 2023-24. 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.

### **A.2. PRESENT PETITION**

3. The Petitioner is filing the present petition ("Petition") for determination of Trueing-up for FY 2023-24 and APR for FY 2024-25 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**

4. Tata Power respectfully prays that this Hon’ble Commission may be pleased to:
  - (a) Accept the Petition;
  - (b) Approve the Operational, Fuel and Financial Parameters, Additional Capitalization, Annual Revenue Requirement and Generation Tariff for Jojobera Units 2&3 as proposed through Truing-up for 2023-24 and APR for FY 2024-25 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.

**JAGMIT  
SINGH SIDHU**

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JAGMIT SINGH SIDHU  
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**FOR PETITIONER: THE TATA POWER COMPANY LIMITED**

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## **B. INTRODUCTION**

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### **B.1. HISTORICAL PERSPECTIVE**

5. 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.
6. 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.
7. 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.
8. 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.

9. 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.
10. 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**

11. 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**

<b>Details</b>	<b>Unit 2</b>	<b>Unit 3</b>
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

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## C. OVERALL APPROACH TO FILING

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### C.1. PROVISIONS OF ELECTRICITY ACT, 2003

12. 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

13. 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.

#### ***Truing Up***

7.1 *The Generating Company shall submit the Petition for truing up for each year of the Control Period on the basis of annual 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 7.4 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:*

*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/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.*

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

### **C.3. APPROACH TO TRUING-UP FOR FY 2023-24**

15. In terms of the principles stipulated in GTR 2020 and 1<sup>st</sup> Amendment to GTR 2020, the actual unit wise Operational and Financial Performance for FY 2023-24 for 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 2023 to March 2024 has been considered for the purpose of Truing-up of FY 2023-24.
16. 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'24 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 2024-25 and thereafter. The same is discussed in detail in **Section D**.

17. 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.

#### **C.4. APPROACH TO APR FOR FY 2024-25**

18. Tata Power for the purpose of Annual Performance Review of FY 2024-25 is submitting the actual Operational Performance from April 2024 to September 2024 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 2024-25 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.
19. Section F gives the Status of Compliance of Directives given by Hon'ble Commission in earlier Orders.

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#### **D. TRUING UP OF FY 2023-24**

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20. This section outlines the actual operational and financial performance of Unit # 2 & 3 of Jojobera Power Plant, Tata Power in FY 2023-24. 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 2023-24 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

2023-24 alongwith soft copy of Excel Model/ Forms are annexed hereto as ***ANNEXURE P1B-True-up (Colly)***.

#### **D.1. OPERATIONAL PERFORMANCE FY 2023-24**

21. 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 targets for existing and new thermal generating stations 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 1<sup>st</sup> 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 24 & FY 25	
		Unit # 2	Unit # 3
Gross Station Heat Rate (kCal/kWh)	<b>Controllable</b>	2567	2577
Normative Annual Plant Availability Factor (%)	<b>Controllable</b>	85	85
Auxiliary Energy Consumption (%)	<b>Controllable</b>	10	10
Secondary Fuel Oil Consumption (ml/kWh)	<b>Controllable</b>	0.5	0.5

22. The actual 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 vide the Order dated 06.06.2024 for APR of FY 2023-24 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 in APR Order	Difference
Unit Capacity	MW	120	120	-
Gross Generation	Mus	878.51	888.68	(10.17)
Plant Load Factor	%	83.34%	84.31%	(0.96%)
Auxiliary Consumption	%	8.75%	9.04%	(0.29%)
Ex-Bus Generation	Mus	801.61	808.36	(6.74)
Plant Availability Factor	%	97.61%	93.34%	4.27%
Gross Heat Rate	kCal/kWh	2539.37	2567.00	(27.63)

**Table4:Operational Performance Unit # 3**

Particulars	UoM	Actual	Approved by Hon'ble Commission in APR Order	Difference
Unit Capacity	MW	120	120	0.00
Gross Generation	Mus	834.78	859.35	(24.57)
Plant Load Factor	%	79.20%	81.53%	(2.33%)
Auxiliary Consumption	%	8.75%	9.13%	(0.39%)
Ex-Bus Generation	Mus	761.78	780.89	(19.11)
Plant Availability Factor	%	91.32%	86.44%	0.05
Gross Heat Rate	kCal/kWh	2538.13	2577.00	(38.87)

**D.1.1. Gross Generation**

23. The above Tables show the Operational Performance of Unit 2 & 3 for FY 2023-24. It can be seen from the above Tables that the PLF of Unit 2 stands at 83.34% which is slightly less than the Normative PLF of 85%, mainly due to lower system demand for some of the months. In case of Unit 3, the PLF is at 79.20%, since Unit-3 had been under Annual Shut Down in the month of Dec-23. The Petitioner has, therefore, considered the actual generation of Unit 2 & 3 for the purpose of Truing-up.

**D.1.2. Auxiliary Power Consumption**

24. The actual Auxiliary Power Consumption of Unit 2 and Unit 3 for FY 2023-24 has been at **8.75%** for each of the units as compared to Normative Auxiliary Power Consumption of **10%** as specified in 1<sup>st</sup> Amendment to GTR 2020. While these are annual average of monthly actual auxiliary consumption, the Normative Auxiliary

Consumption of **10.00%** has been considered in respect of Unit 2 and Unit 3 respectively, for FY 2023-24.

#### **D.1.3. Plant Availability Factor**

25. The actual plant availability of Unit 2 stands at **97.61%** and Unit 3 at **91.32%** for FY 2023-24 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 2023-24 are annexed hereto and marked as **ANNEXURE P3**.

#### **D.1.4. Heat Rate**

26. The Normative Heat Rates of **2567** kCal/kWh for Unit 2 and **2577** kCal/kWh Unit 3 as specified in GTR 2020 (as revised vide 1<sup>st</sup> amendment to GTR 20 dated 03.11.2023) have been considered for purpose of True-up for FY 2023-24 and computation of the Energy Charges of Unit 2 and Unit 3 as per Regulations. Actual Heat Rate for these Units have been **2539.37** kCal/kWh and **2538.13** kCal/kWh, respectively which has been used for the purpose of computing gains due to actual operational performance.

#### **D.1.5. Specific LDO Consumption**

27. 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 2023-24 and computation of the Energy Charges of Unit 2 and Unit 3 as per Regulations. Actual Sp. LDO Consumption 0.37 ml/kWh for each of the Units 2&3 have been used for the purpose of computing gains due to actual operational performance.

### **D.2. COAL PARAMETERS FY 2023-24**

#### **D.2.1. COAL MIX AND GROSS CALORIFIC VALUE ("GCV") OF PRIMARY COAL**

28. The actual Coal mix and parameters for Unit 2 and Unit 3 for FY 2023-24 vis-à-vis those approved by the Hon'ble Commission in the APR order for FY 2023-24 dated 06.06.2024 as summarized in the Tables below.

**Table5: Coal Parameters of Unit 2 for FY 2023-24**

Particulars	Fuel Mix (%)		GCV (kCal/Kg)			Landed Price (Rs/MT)		
	Actual	Approved in APR Order	Actual	Approved in APR Order	Diff	Actual	Approved in APR Order	Diff
Middling Coal	8.97%	7.43%	3908.32	3871	38	5080.67	5226	(145)
CCL Shakti R3	43.12%	42.16%	3692.45	3702	(10)	3400.20	3230	170
CCL Shakti WIV	11.50%	11.23%	3997.13	3997	0	4827.95	4828	0
CCL Shakti	11.13%	10.80%	3676.28	3682	(6)	3719.73	3716	3
MCL Shakti	14.26%	16.66%	2902.76	2896	7	2637.30	2793	(155)
ECL Shakti	7.46%	6.64%	4757.06	4741	16	5647.73	5604	44
CCL SFA	0.40%	0.70%	3167.91	3475	(307)	3525.00	4268	(743)
WB Reject	0.25%	0.25%	1904.80	1905	0	4519.00	4519	0
WB Tailing	1.91%	4.12%	4257.58	4200	57	6622.64	7403	(780)
ECL SFA	0.98%	0.00%	4802.93	0.00	4803	7800.00	0.00	7800
<b>Wt. Avg</b>	<b>100.00%</b>	<b>100.00%</b>	<b>3726.93</b>	<b>3694.79</b>	<b>32</b>	<b>3917.72</b>	<b>3877.83</b>	<b>40</b>

**Table6: Coal Parameters of Unit 3 for FY 2023-24**

Particulars	Fuel Mix (%)		GCV (kCal/Kg)			Landed Price (Rs/MT)		
	Actual.	Approved in APR Order	Actual.	Approved in APR Order	Diff	Actual.	Approved in APR Order	Diff
Middling	12.50%	10.10%	3929.95	3926	4	5282.76	5495	1060
CCL Shakti R3	38.09%	43.11%	3711.73	3682	30	3299.74	3248	(520)
CCL Shakti WIV	7.76%	7.47%	4028.38	4032	(3)	4817.79	4820	4818
CCL Shakti	12.93%	12.53%	3691.26	3695	(4)	3650.76	3648	(169)
MCL Shakti	17.96%	15.55%	2905.77	2902	4	2656.72	2789	138
ECL Shakti	6.60%	6.82%	4707.98	4662	46	5706.37	5549	359
CCL SFA	0.26%	0.75%	3167.91	3675	(507)	3525.00	4842	3525
WB Reject	0.20%	0.20%	1904.80	1905	0	4519.00	4519	4519
WB2P/ Tailing	2.63%	3.48%	4266.08	4203	63	6392.05	7384	6392
ECL SFA	1.07%	0.00%	4807.52	0.00	4808	7800.00	0.00	7800
<b>Wt. Avg</b>	<b>100.00%</b>	<b>100.00%</b>	<b>3703.09</b>	<b>3694.58</b>	<b>8.51</b>	<b>3886.55</b>	<b>3886.35</b>	<b>64.91</b>

29. As regards the Fuel Mix for FY 2023-24, the Petitioner would like to humbly submit that there has been minor variation in the actual fuel mix as compared to what the Commission has approved. The reasons for such minor variations are discussed in succeeding paragraphs.
- 29.1. It is humbly submitted that in an effort to secure a quality supply of coal, Petitioner has entered into long term FSA with subsidiaries of CIL under Shakti Round 2 (About 4.64 Lakh MT) and Round 3 (About 5.77 Lakh MT) and benefits of the economical coal including the discount of 4 paise/kWh and 7 paise/kWh for generation corresponding to Shakti Round 2 and Round 3 is being passed on to end consumers. 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.
- 29.2. It may be noted that the coal supply under the Shakti scheme is only sufficient for a 75% Plant Load Factor (PLF). Therefore, the remaining coal has to be sourced from alternatives such as Middling Coal, other reject coal from West Bokaro collieries, e-auction coal etc. Tata Power has highlighted this fact in the MYT Petition, which was acknowledged by the Hon'ble Commission in the MYT Order dated 04.11.2022. The Hon'ble Commission is also requested to recognize that the demand of a distribution licensee is beyond the control of the Generating Station. Consequently, these variations are unavoidable and outside the Generating Station's control.
- 29.3. Further, 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, has recognized the shortage of domestic coal and advised generating stations to procure imported coal to meet shortfall. Vide advisory dated 09.01.2023, MoP had directed all GENCOs to import coal for 6% blending upto Sept' 23, observing that supply of coal is not commensurate with the domestic coal requirement in view of the increasing energy demand. The advisory was extended with 4% blending ratio vide MoP letter dated 01.09.2023 for the remaining period of FY 2024. Further, vide advisory dated 25.10.2023, the advised blending ratio was revised to 6% for remaining period of FY 2024.
- 29.4. Tata Power, 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 and thereby, has averted the need of

high cost imported coal by relying upon FSA coal or other domestic sources. The copies of the MoP's direction dated 09.01.2023, 01.09.2023 and 25.10.2023 in this regard are enclosed herewith and marked as **ANNEXURE P4A**. It is further submitted that 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 increase in coal cost.

- 29.5. 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.
- 29.6. Tata power, in view of the reasons discussed hereinabove and anticipating their impact on the coal materialization, had projected sourcing of small quantities of WB reject/ tailing coals for the FY 2023-24 which the Hon'ble Commission has also approved vide Order dated 06.06.2024.
- 29.7. Further, in an effort to ensure the adequate/ regular coal supply, TPCL has now entered into the agreements for sourcing coal from West Bokaro Collieries and through e-auction organized by CIL. Tata Power has started receiving and consuming ECL e-auction coal from Q4 of the FY 2023-24.
- 29.8. 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.
- 29.9. Tata Power had duly apprised the beneficiaries for the procurement of coal from e-auction to meet the coal deficit/overcome the emergency situation and obtained due consent from the same.
- 29.10. The Petitioner has already submitted the Fuel Supply Agreements between Petitioner & Coal India Limited (CIL) to the Hon'ble Commission vide additional

submission dated 11.01.2023 in case (Tariff) no. 18 of 2022 at Annexure 17. The same have not been annexed herewith, since, the documents are quite voluminous. In addition to above, the Petitioner has also entered into the agreements for sourcing coal from West Bokaro Collieries and through e-auction organized by CIL. Sales Agreement between Tata Steel Limited & Tata Power for supply of Middling Coal, Reject Coal & Tailing Coal and allocation letters issued by CIL in terms of the e-auction for FY 2024 had been submitted by the Petitioner for kind reference of the Hon'ble Commission vide additional submission dated 31.01.2024 in Case No. (T) 11 of 2023.

29.11. It may also be kindly noted that the Petitioner in its quarterly reports in respect of quarters ended on 30.06.2023, 30.09.2023, 31.12.2023 and 31.03.2024 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 P5** for kind reference of the Hon'ble Commission.

29.12. In light of above submissions, it is humbly submitted to the Hon'ble Commission to kindly approve the actual fuel mix depicted in the above tables.

30. With regard to GCV of Coal, it is submitted that Petitioner in terms of GTR 2020 and 1<sup>st</sup> 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 P6** for ready reference. Based on such GCV; daily, Monthly and Annual GCV is worked out considering quantity of the coal as weight.

31. Auditor's Certificate for month-wise Coal consumption and Landed Price of all types of Coal consumed in Unit 2 & 3 for FY 2023-24 has been attached hereto and marked as **ANNEXURE P7** for kind reference of the Hon'ble Commission.

#### **D.2.2. SPECIFIC SECONDARY FUEL OIL CONSUMPTION AND GROSS CALORIFIC VALUE ("GCV") OF SECONDARY FUEL**

32. The Petitioner for the purpose of computation of Energy Charges for FY 2023-24, has considered the normative specific secondary fuel Oil consumption of 0.5 ml/kWh as specified in GTR 2020. 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 P8** 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 P9** for kind reference of the Hon'ble Commission. Weighted average GCV and price of LDO for FY 2023-24 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:

**Table7: Secondary Fuel Parameters for FY 2023-24**

Particulars	GCV (kCal/L)		Landed Price (Rs/KL)	
	Proposed	Approved in APR Order	Proposed	Approved in APR Order
Unit 2	8916.67	8843.41	78439.77	77855.08
Unit 3	8917.60	8849.58	80156.92	77980.00

### **D.2.3. Transit Loss**

33. 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 2023-24**

34. The Energy Charge Rate and Energy Charges for the purpose of Truing-up of FY 2023-24 have been computed in accordance with Regulations 17.7 to 17.11 of Generation Tariff Regulations, 2020 alongwith 1<sup>st</sup> 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 2023-24**

35. Operational parameters have been considered at Normative level as specified in the 1<sup>st</sup> 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 2023-24.
36. 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 1<sup>st</sup> amendment to GTR 2020.
37. The detailed computation of Energy Charge Rate and Energy Charges for FY 2023-24 are shown in the following Tables.

**Table8: Energy Charges for FY 2023-24 - Unit # 2**

Particulars	UoM	Proposed	Approved in APR Order	Difference
<b>Operational Parameters</b>				
Actual Aux Power Consumption (AUX)	%	8.75%	10.00%	(1.25%)
Normative Aux Power Consumption	%	10.00%	10.00%	
Normative Gross Heat Rate (GHR)	kCal/kWh	2567	2567	0.00%
Gross Heat Rate with PLF degradation compensation	kCal/kWh	2567		
Normative Specific LDO Consumption (SFCn)	ml/ kWh	0.50	0.50	0.00
LDO GCV (CVPF)	kCal/L	8917	8843.41	73.26
LDO Landed Price	Rs/KL	78440	77855.08	584.68
<b>Middling Coal</b>				
Middling Coal in mix	%	8.97%	7.43%	1.54%
Middling Coal GCV	kCal/Kg	3908	3870.51	37.81
Middling Coal Landed Price	Rs/Ton	5081	5225.54	(144.87)
<b>CCL Shakti R3 Coal</b>				
CCL Shakti R3 Coal in Mix	%	43.12%	42.16%	0.96%
CCL Shakti R3 GCV	kCal/Kg	3692	3702	-9.57
CCL Shakti R3 Landed Price	Rs/Ton	3400	3230	169.72
<b>CCL Shakti WIV Coal</b>				
CCL Shakti WIV Coal in Mix	%	11.50%	11.23%	0.27%
CCL Shakti WIV GCV	kCal/Kg	3997	3997	0.00
CCL Shakti WIV Landed Price	Rs/Ton	4828	4828	0.00
<b>CCL Shakti 2 Coal</b>				
CCL [Shakti 2] Coal in Mix	%	11.13%	10.80%	0.33%
CCL [Shakti 2] Coal GCV	kCal/Kg	3676	3682	-6.13
CCL [Shakti 2] Coal Landed Price	Rs/Ton	3720	3716	3.25
<b>MCL Shakti 2 Coal</b>				
MCL [Shakti 2] Coal Consumption	%	14.26%	16.66%	(2.40%)
MCL [Shakti 2] GCV	kCal/Kg	2903	2896	6.89
MCL [Shakti 2] Landed Price	Rs/Ton	2637	2793	(155.49)
<b>ECL Shakti 2 Coal</b>				
ECL [Shakti 2] Coal in Mix	%	7.46%	6.64%	0.82%
ECL [Shakti 2] GCV	kCal/Kg	4757	4741	16.02
ECL [Shakti 2] Landed Price	Rs/Ton	5648	5604	44.03
<b>CCL SFA</b>				
CCL SFA Coal in Mix	%	0.40%	0.70%	(0.30%)
CCL SFA GCV	kCal/Kg	3168	3475	-307.12
CCL SFA Landed Price	Rs/Ton	3525	4268	(743.32)

<b>WB Reject</b>				
WB Reject Coal in Mix	%	0.25%	0.25%	0.01%
WB Reject GCV	kCal/Kg	1905	1905	0.00
WB Reject Landed Price	Rs/Ton	4519	4519	0.00
<b>WB Tailing</b>				
WB Tailing Coal in Mix	%	1.91%	4.12%	(2.22%)
WB Tailing GCV	kCal/Kg	4258	4200	57.48
WB Tailing coal Landed Price	Rs/Ton	6623	7403	(780.33)
<b>e auction</b>				
e auction Coal Consumption	%	0.98%	0.00%	0.98%
e auction Coal GCV	kCal/Kg	4803	0	4802.93
e auction Coal Landed Price	Rs/Ton	7800	0	7800.00
<b>Equivalent GCV &amp; Landed Price of Coal</b>				
Equivalent GCV of Coal (CVPF)	kCal/Kg	3726.93	3694.79	32.14
Eq. GCV of Coal less Stacking Loss (Actual-85kCal/Kg)	kCal/Kg	3641.93	3609.79	
Equivalent Landed Price of Coal (LPPF)	Rs/Ton	3917.72	3877.83	39.89
Rate of Energy Charge pertaining to Coal	Rs/kWh	3.063	3.026	0.036
Rate of Energy Charge pertaining to LDO	Rs/kWh	0.044	0.043	0.001
<b>Energy Charge Rate (ECR)</b>	<b>Rs/kWh</b>	<b>3.106</b>	<b>3.102</b>	<b>0.005</b>
Ex-Bus Generation	Mus	801.61	808.36	(6.747)
<b>Energy Charges</b>	<b>Rs Crore</b>	<b>249.02</b>	<b>250.75</b>	<b>(1.698)</b>

**Table9: Energy Charges for FY 2023-24 - Unit # 3**

Particulars	UoM	Proposed	Approved in APR Order	Difference
<b>Operational Parameters</b>				
Actual Aux Power Consumption (AUX)	%	8.75%	10.00%	(1.25%)
Normative Aux Power Consumption		10.00%	10.00%	
Gross Heat Rate (GHR)	kCal/kWh	2577	2577	0.00%
Gross Heat Rate with PLF degradation compensation	kCal/kWh	2577		
Normative Specific LDO Consumption (SFCn)	ml/kWh	0.50	0.50	0.00
LDO GCV (CVPF)	kCal/L	8918	8850	1234.25
LDO Landed Price	Rs/KL	80157	77980	2176.91
<b>Middling Coal</b>				
Middling Coal in mix	%	12.50%	10.10%	2.40%
Middling Coal GCV	kCal/Kg	3930	3926	3.67
Middling Coal Landed Price	Rs/Ton	5283	5495	(211.75)
<b>CCL Shakti R3 Coal</b>				
CCL Shakti R3 Coal in Mix	%	38.09%	43.11%	(5.02%)
CCL Shakti R3 GCV	kCal/Kg	3712	3682	29.91
CCL Shakti R3 Landed Price	Rs/Ton	3300	3248	51.48
<b>CCL Shakti WIV Coal</b>				
CCL Shakti WIV Coal in Mix	%	7.76%	7.47%	0.29%
CCL Shakti WIV GCV	kCal/Kg	4028	4032	-3.47
CCL Shakti WIV Landed Price	Rs/Ton	4818	4820	(2.08)
<b>CCL Shakti 2 Coal</b>				
CCL [Shakti 2] Coal in Mix	%	12.93%	12.53%	0.40%
CCL [Shakti 2] Coal GCV	kCal/Kg	3691	3695	-4.23
CCL [Shakti 2] Coal Landed Price	Rs/Ton	3651	3648	2.89
<b>MCL Shakti 2 Coal</b>				
MCL [Shakti 2] Coal Consumption	%	17.96%	15.55%	2.42%
MCL [Shakti 2] GCV	kCal/Kg	2906	2902	3.52
MCL [Shakti 2] Landed Price	Rs/Ton	2657	2789	(132.35)
<b>ECL Shakti 2 Coal</b>				
ECL [Shakti 2] Coal in Mix	%	6.60%	6.82%	(0.23%)
ECL [Shakti 2] GCV	kCal/Kg	4708	4662	46.47
ECL [Shakti 2] Landed Price	Rs/Ton	5706	5549	156.99
<b>CCL SFA</b>				
CCL [SFA] Coal in Mix	%	0.26%	0.75%	(0.49%)
CCL [SFA] GCV	kCal/Kg	3168	3675	-507.13
CCL [SFA] Landed Price	Rs/Ton	3525	4842	(1317.05)
<b>WB Reject</b>				

WB Reject Coal in Mix	%	0.20%	0.20%	0.01%
WB Reject GCV	kCal/Kg	1905	1905	0.00
WB Reject Landed Price	Rs/Ton	4519	4519	0.00
<b>WB Tailing</b>				
WB Tailing Coal in Mix	%	2.63%	3.48%	(0.85%)
WB Tailing GCV	kCal/Kg	4266	4203	63.37
WB Tailing coal Landed Price	Rs/Ton	6392	7384	(991.95)
<b>ECL SFA</b>				
ECL SFA Coal Consumption	%	1.07%		1.07%
ECL SFA Coal GCV	kCal/Kg	4808		4807.52
ECL SFA Coal Landed Price	Rs/Ton	7800		7800.00
<b>Equivalent GCV &amp; Landed Price of Coal</b>				
Equivalent GCV of Coal (CVPF)	kCal/Kg	3703.09	3694.58	8.51
Eq. GCV of Coal less Stacking Loss (Actual-85kCal/Kg)	kCal/Kg	3618.09	3609.58	
Equivalent Landed Price of Coal (LPPF)	Rs/Ton	3886.55	3886.35	0.20
Rate of Energy Charge pertaining to Coal	Rs/kWh	3.070	3.048	(0.022)
Rate of Energy Charge pertaining to LDO	Rs/kWh	0.045	0.043	0.002
<b>Energy Charge Rate (ECR)</b>	<b>Rs/kWh</b>	<b>3.115</b>	<b>3.121</b>	<b>(0.006)</b>
Ex-Bus Generation	Mus	761.78	780.89	(19.107)
<b>Energy Charges</b>	<b>Rs Crore</b>	<b>237.29</b>	<b>243.68</b>	<b>(6.381)</b>

38. 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 1<sup>st</sup> and 2<sup>nd</sup> 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 P10** 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 1<sup>st</sup> amendment to GTR 2020. Accordingly, Discounts works out as follows for Unit 2 and Unit 3.

**Table10: SHAKTI Discount for FY 2023-24- Unit # 2**

Particulars	UoM	Proposed	Approved in APR Order	Difference
Sales due to CCL Shakti R3	Mus	330.56	330.74	(0.174)
Sales due to CCL Shakti R2	Mus	84.96	84.29	0.670
Sales due to CCL Shakti WIV	Mus	95.57	95.27	0.299
Sales due to MCL Shakti R2	Mus	85.40	101.55	(16.148)
Sales due to ECL Shakti R2	Mus	74.11	67.09	7.021
Discount Amount (@ Rs. 0.04/kWh Discount Rate) for Shakti R2	Rs Crore	1.15	1.18	(0.033)
Discount Amount (@ Rs. 0.07/kWh Discount Rate) for Shakti R3	Rs Crore	2.69	2.69	(0.000)
Total SHAKTI DISCOUNT	Rs Crore	3.83	3.87	(0.033)
<b>ECR after Discount</b>	<b>Rs/kWh</b>	<b>3.059</b>	<b>3.054</b>	<b>0.005</b>

**Table11: SHAKTI Discount for FY 2023-24 - Unit # 3**

Particulars	UoM	Proposed	Approved in APR Order	Difference
Sales due to CCL Shakti R3	Mus	279.56	324.01	(44.46)
Sales due to CCL Shakti R2	Mus	94.33	94.53	(0.20)
Sales due to CCL Shakti WIV	Mus	61.92	61.63	0.29
Sales due to MCL Shakti R2	Mus	102.53	91.52	11.02
Sales due to ECL Shakti R2	Mus	61.71	65.25	(3.53)
Discount Amount (@ Rs. 0.04/kWh Discount Rate)	Rs Crore	1.19	1.17	0.03
Discount Amount (@ Rs. 0.07/kWh Discount Rate)	Rs Crore	2.11	2.42	(0.31)
Total SHAKTI DISCOUNT	Rs Crore	3.304	3.58	(0.28)
<b>ECR after Discount</b>	<b>Rs/kWh</b>	<b>3.072</b>	<b>3.075</b>	<b>(0.003)</b>

39. As can be seen from the above Tables, actual ECR (after SHAKTI Discount) for FY 2023-24 is almost same as approved ECR, with minor increase of 0.005 Rs/kWh in Unit 2 and slightly less by 0.003 Rs/kWh in Unit 3. It is worth mentioning that Tata Power has been able to contain the actual ECR to Rs. 3.054/kWh and Rs. 3.075/kWh for Unit-2 and Unit-3 respectively, by resorting to domestic coal supply only through its continued efforts as have been elaborated vide the quarterly reports submitted

to this Hon'ble Commission, else sourcing of imported coal would have significantly impacted the actual ECR.

- 40.** 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 2023-24.

**D.4. FINANCIAL PERFORMANCE FY 2023-24**

41. This Section explains the actual Additional Capitalization and Decapitalization as per Books, decapitalization not performed in books but proposed as decapitalization for tariff purposes, Gross Fixed Assets for FY 2023-24, 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 2024-25 and, thereafter, has revised capitalization phasing for the remaining years considering the spill over schemes which are either approved schemes or certain new schemes as proposed in the Petition for APR of FY 2023-24 for kind consideration of the Hon'ble Commission.

**D.4.1. Additional Capitalization for FY 2023-24 vis-à-vis approved plan and revised phasing for some of the approved schemes.**

42. Detailed revised capitalization/ decapitalization approved by the Hon'ble Commission vide APR Order dated 06.06.2024 and the revised capitalization/ decapitalization plan proposed for the remaining years of the control period including actual capitalization/ decapitalization till FY 2024 has been provided as **ANNEXURE P11** of this petition. The scheme-wise additional capitalizations performed in FY 2023-24 compared to Capitalization plan as approved by the Commission in APR Order for FY 2023-24 have been presented hereunder for kind consideration of the Hon'ble Commission.

**Table12: Scheme-Wise additional capitalization including apportioned additional capitalization (In Rs Lakh) of common facilities - Unit 2 & 3 for FY 2023-24**

Sr N.	Project Description	Approved Cap. Plan (APR Order) (Value Apportioned to Unit 2&3)						Actual Capitalisation (FY22,23,24) and revised Cap. Plan (FY25,26)					
		FY-22	FY-23	FY-24	FY-25	FY-26	Total	FY-22	FY-23	FY-24	FY-25	FY-26	Total
1	Replacement of Dead Tank CT with Live Tank CT (Carry forward)	24.87	13.51	26.61	24.99		<b>89.98</b>	24.87	13.51	40.34	11.26		<b>89.98</b>
2	Control Room AC System			633.50			<b>633.50</b>			505.08	129.13		<b>634.21</b>
3	Workshop machine Tools, Condition Monitoring tools & Mobile Environmental dust Extractor			38.58	49.10		<b>87.67</b>			0.00	87.67		<b>87.67</b>
4	Ash Conveying pipe line			280.00			<b>280.00</b>			276.20			<b>276.20</b>
5	CHP Dozer			317.81			<b>317.81</b>			306.66			<b>306.66</b>
6	New Weigh Bridge for Bulker			49.11			<b>49.11</b>			0.00	49.11		<b>49.11</b>
7	Multi-Layered Security System for Jojobera Power Plant.			52.84	67.71		<b>120.54</b>			0.00	120.55		<b>120.55</b>
8	Upgradation of Fans Pneumatic Actuators to Electrical Actuator			240.00			<b>240.00</b>			239.68			<b>239.68</b>
9	Procurement of Laptops/IT Equipments	6.80	4.16	0.00			<b>10.95</b>	6.80	4.16	30.4			<b>41.36</b>
10	Other minor assets, Vehicles etc		19.38	0.00			<b>19.38</b>		19.38	29.76			<b>49.14</b>
	<b>Total</b>	<b>31.67</b>	<b>37.05</b>	<b>1638.44</b>	<b>141.79</b>	<b>-</b>	<b>1848.95</b>	<b>31.67</b>	<b>37.05</b>	<b>1428.12</b>	<b>397.73</b>	<b>-</b>	<b>1894.57</b>

43. It is humbly submitted that there are certain variations in actual Capitalization as per Books vis-à-vis Capitalization plan approved in the Order for APR of FY 2024 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 30.09.2023, 31.12.2023, 31.03.2024, 30.06.2024 and are enclosed herewith and marked as **ANNEXURE P12** for the kind consideration of the Hon'ble Commission.

44. The Capex schemes as depicted in the above table, are discussed in the following paragraphs along-with the reasons for deviation, if any, from the approval granted by the Hon'ble Commission vide APR order dated 06.06.2024.

**D.4.1.1. Replacement of Dead Tank CT with Live Tank CT (Carry forward):**

45. This scheme is being implemented according to the revised capitalization plan for FY 2022-26. The actual Capitalization for FY 2024 apportioned for Unit 2 & 3 based on installed capacities amounts to Rs. 40.34 Lakh as against the approved amount of Rs. 26.61 lakh. Actual capitalization in FY 2024 is more than the proposed phasing, primarily due to the completion of activities from the previous year where there were delays. Further, certain expenditure which were envisaged to be incurred during FY 2025 were incurred in FY 2024 considering requirements of project execution. Accordingly, phasing has been changed for FY 2025 and the remaining Rs. 11.26 lakh is proposed to be capitalised in FY 2025. It is being humbly submitted that there has been no overall cost escalation as compared to the capitalisation approved by the hon'ble Commission in the APR order.

**D.4.1.2. Control Room AC System**

46. Regarding Control Room AC System, it is submitted that the actual capitalization in FY 2024 is Rs. 505.08 lakh as compared to Rs. 633.50 lakh approved by the Commission. It is humbly submitted that the project could be implemented only in the winter season of FY 2024, since maintaining a constant temperature of around 22°C in the control room is technically feasible only during this period. Replacing the existing package AC system and maintaining this temperature throughout the year is not possible. Given this mandatory technical requirement, the project was rescheduled and completed in FY 2024. Balance related activity adding to redundancy and reliability of air conditioning system is rescheduled and supposed to be completed in FY 2025 in unit 2 & 3. The Hon'ble Commission has already been apprised regarding the rephasing of the capitalization as explained above, vide the Quarterly report dated 31.03.2024 submitted before this hon'ble Commission.
47. In view of the foregoing, Tata Power most humbly requests this Hon'ble Commission to consider the revised capitalization plan of Rs. 505.08 lakh in FY 2024, and Rs.

129.13 Lakh to be carried forward in FY2025. The Petitioner humbly submits that it shall apprise the Hon'ble Commission, in case of any change in above schedule/cost due to any unforeseen/unavoidable circumstances.

**D.4.1.3. Ash conveying pipe line**

48. As regard the capitalisation of the scheme "Ash Conveying pipe line" it is being submitted that the scheme has been completed in FY 2024 as proposed in APR petition for FY 2024 and approved by the Commission in the APR order. The scheme has been completed within the approved budget of Rs. 280.00 lakh with actual capitalisation amounting to Rs. 276.20 lakh.

**D.4.1.4. CHP Dozer**

49. It is being humbly submitted that the scheme "CHP Dozer" has been completed in FY 2024 with actual capitalisation of Rs. 306.66 lakh against the approved budget of Rs. 317.81 lakh.

**D.4.1.5. New Weigh Bridge for Bulker**

50. It is submitted that the project which was proposed to be completed by Tata Power in FY 2024 and approved by the hon'ble Commission vide APR order dated 06.06.2024, is under execution with significant progress made so far. It is humbly submitted that the project execution plan had to be revisited due to safety requirement at site, since, FGD project is also under progress. Accordingly, the project has to be rephased to FY 2025.

**D.4.1.6. Upgradation of Fans Pneumatic Actuators to Electrical Actuator**

51. It is most humbly submitted that the scheme "Upgradation of Fans Pneumatic Actuators to Electrical Actuator" has been completed in the FY 2024. The actual capitalisation (Rs. 239.68 lakh) is within the approved budget of Rs. 240.00 lakh.

**D.4.1.7. Multi-Layered Security System for Jojobera Power Plant**

52. It is humbly submitted that the project is under execution and CAPEX of Rs 54.73 Lakhs has been spent in FY 2024 in line with the plan. It is being humbly submitted that on account of the safety requirements, the civil related activities of the project had to be rescheduled which caused the deferment of the capitalization. Accordingly, the final commissioning of the project is planned to be done in FY 2025 now.

**D.4.1.8. Workshop machine Tools, Condition Monitoring tools & Mobile Environmental dust Extractor**

53. The Petitioner humbly submits that the aforesaid project is under execution and significant progress has been made so far. The project is expected to be completed in FY 2025.

**D.4.1.9. Procurement of Laptops/IT Equipment's**

54. It is submitted that Tata Power had to incur an amount of Rs. 30.40 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 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. 30.40 Lakh on procurement of such IT Assets with a decapitalization of Rs 15.96 Lakh in total as per provisional Accounts.

55. In light of above, Tata Power humbly requests this Hon'ble Commission to kindly consider such expenditure for FY 2023-24. 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.

**D.4.1.10. Procurement of other necessary minor assets and vehicles etc.**

56. It is submitted that Tata Power had to incur an amount of Rs. 29.76 lakh toward procurement of other necessary minor assets including vehicles etc which were essential for day to day operational activities. Tata Power humbly requests this Hon'ble Commission to kindly consider such expenditure for FY 2023-24.

57. 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. Further, the Hon'ble Commission vide Order dated 09.01.2024 (Truing up of FY 2022) and vide Order dated 06.06.2024 (Truing up of FY 2023), has approved such expenditure for the respective years.

58. 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'24 for the purpose of Truing-up of FY 2022-24 for Jojobera Unit 2 &3.

**D.4.2. Additional Capitalization for FY 2023-24 as per Books.**

59. It is submitted that Additional Capitalizations for 2023-24 for Unit 2 and Unit 3 have been claimed as per audited accounts for FY 2023-24. Detailed computation of Additional Capitalization for FY 2023-24 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.

60. 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.

61. 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.

**Table13: Apportionment Ratio for Capitalized Cost of common facilities**

<b>Apportionment Ratio of Additional Capitalization for Unit 2 and Unit 3</b>		
<b>Particulars</b>	<b>UoM</b>	<b>Value</b>
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
<b>Installed Capacity of Jojobera Power Plant</b>	<b>MW</b>	<b>547.5</b>
Contribution of Unit 2 in Total Capacity	%	21.92%
Contribution of Unit 3 in Total Capacity	%	21.92%
<b>Combined Contribution of Unit 2 and Unit 3 in Total Capac</b>	<b>%</b>	<b>43.84%</b>

62. 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 2023-24**

63. Pursuant to above, the details of actual scheme wise and Asset Class-wise Capitalization for FY 2023-24 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 2023-24 along with the listing of Fixed Assets Register are annexed hereto and marked as **ANNEXURE P13** for the kind perusal of the Hon'ble Commission.

**Table14: Scheme-Wise additional capitalization including apportioned additional capitalization (In Rs Crore) of common facilities - Unit 2 & 3**

	Scheme Name	Stand-alone Unit 2	Stand-alone Unit 3	Common allocated to Unit 2 & 3
1	145KV LIVE TANK CTS 1000/1 FOR LINES AND BS	0.00	0.00	0.40
2	ASH CONVEYING PIPE LINE FOR UNIT#3	0.00	1.38	0.00
3	ASH CONVEYING PIPE LINE FOR UNIT#2	1.38	0.00	0.00
4	CAT DOZER D9GC POWER 412 HP BUCKET CAP. 35.8 CU.M	0.00	0.00	3.07
5	U#3 ELECTRICAL ACTUATORS FOR FANS	1.20	0.00	0.00
6	U#2 ELECTRICAL ACTUATORS FOR FANS	0.00	1.20	0.00
7	U#3 PACKAGE AIR CONDITIONING SYSTEM FOR CR & NE	0.00	2.53	0.00
8	U#2 PACKAGE AIR CONDITIONING SYSTEM FOR CR & NE	2.53	0.00	0.00
9	IT Asset	0.00	0.00	0.30
10	Vehicle	0.00	0.00	0.30
	<b>Grand Total</b>	<b>5.10</b>	<b>5.11</b>	<b>4.07</b>

#### **D.4.4. Summary of Additional Capitalization**

64. The following Tables show the summary of Actual Additional Capitalization of FY 2023-24 for Unit 2 and Unit 3 vis-à-vis the earlier approved projections.

**Table15: Summary of Additional Capitalization - Unit # 2(Rs. Crore)**

Particulars	Proposed	Approved in APR Order	Difference
Capitalization- Standalone	5.10	8.19	(1.05)
Capitalization- Apportioned for Common Facilities	2.04		
<b>Total Additional Capitalization</b>	<b>7.14</b>	<b>8.19</b>	<b>(1.05)</b>

**Table16: Summary of Additional Capitalization - Unit 3 (Rs Crore)**

Particulars	Proposed	Approved in APR Order	Difference
Capitalization- Standalone	5.11	8.19	(1.05)
Capitalization- Apportioned for Common Facilities	2.04		
<b>Total Additional Capitalization</b>	<b>7.14</b>	<b>8.19</b>	<b>(1.05)</b>

#### **D.4.5. Decapitalization for FY 2023-24 as per Books**

65. The certificate of the Statutory Auditor in respect of "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, 2024" for decapitalization during the year is annexed hereto and marked as **ANNEXURE P14**. It is submitted that as per the Auditors certificate, total decapitalization in books amounts to Rs. 0.36 Crore which is towards the decapitalization towards IT Assets. The same have been apportioned and allocated to Unit 2 and Unit 3 which amounts to Rs. 0.08 Crore for each unit.

66. Considering decapitalization as per certificate and after following the methodology of allocation of decapitalization towards common assets to each Units based on installed capacity, the Unit wise decapitalization for FY 2023-24 has been worked out and is presented in the Table below.

**Table17: Summary of Scheme-wise Decapitalization (In Rs. Crore) for FY 2023-24 in Books**

	Rs. Crore		
<b>Scheme/Particulars</b>	<b>Standalone Unit 2</b>	<b>Standalone Unit 3</b>	<b>Common allocated to Unit 2 &amp; 3</b>
IT Asset	0.00	0.00	0.16

**D.4.6. Decapitalization for FY 2023-24 not performed in Books**

67. In addition to decapitalization in books, the Petitioner is also proposing decapitalization of some of the Replaced Assets of 2023-24 for which decapitalization has not been performed in books of FY 2023-24. 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.
68. 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.
69. 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.

70. 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.
71. 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.
72. 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.

**Table18: Summary of Scheme-wise Decapitalization in addition to Books (In Rs. Cr)  
for FY 2023-24: U#2&3**

Sr. No	Scheme/Particulars	Standalone Unit 2	Standalone Unit 3	Common allocated to Unit 2 & 3
1	Replacement of Dead Tank CT by Live Tank CT	0.00	0.00	0.11
2	Control Room AC System	0.60	0.60	0.00
3	Ash Conveying pipe line	0.28	0.28	0.00
4	CHP Dozer	0.00	0.00	0.87
5	Upgradation of Fans Pneumatic Actuators to Electrical Actuator	0.34	0.34	0.00
6	Vehicles	0.00	0.00	0.08
	<b>Total</b>	<b>1.22</b>	<b>1.22</b>	<b>1.07</b>

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

**Table19: Summary of Scheme-wise Total Decapitalization (In Rs. Cr) for FY 2023-24- U#2&3**

Sr. No	Scheme/Particulars	Original/ Add Cap	Stand-alone Unit 2	Stand-alone Unit 3	Common allocated to Unit 2 & 3
1	Replacement of Dead Tank CT with Live Tank CT	Original	0.00	0.00	0.11
2	Control Room AC System	Original	0.60	0.60	0.00
3	Ash Conveying pipe line	Original	0.28	0.28	0.00
4	CHP Dozer	Original	0.00	0.00	0.87
5	Upgradation of Fans Pn Actuators to Electrical Actuator	Original	0.34	0.34	0.00
6	Vehicles	Add-Cap	0.00	0.00	0.08
7	IT Assets	Add-Cap	0.00	0.00	0.16
	<b>Total</b>		<b>1.22</b>	<b>1.22</b>	<b>1.23</b>

**Table20: Break-up of Decapitalization (In Rs. Crore) for Original Project cost and Add Cap for FY 2023-24 - U#2&3**

Decapitalisation	Original Scope of Work	Add-Cap	Total
Stand alone Unit-2	1.22	0	<b>1.22</b>
Stand alone Unit-3	1.22	0	<b>1.22</b>
Common allocated to Unit-2	0.49	0.12	<b>0.62</b>
Common allocated to Unit-3	0.49	0.12	<b>0.62</b>
<b>Total Unit-2</b>	<b>1.72</b>	<b>0.12</b>	<b>1.84</b>
<b>Total Unit-3</b>	<b>1.72</b>	<b>0.12</b>	<b>1.84</b>

74. The Gross Fixed Assets of the Unit 2 and Unit 3 for FY 2023-24 work out as follows

**Table21: Gross Fixed Assets (In Rs. Crore) of Unit # 2 - FY 2023-24**

Gross Fixed Assets for FY 2023-24 - Unit 2		
Particulars	Proposed	Approved in APR Order
GFA at the beginning of FY 2023-24	491.27	491.27
Addition during FY 2023-24	7.14	8.19
Deletion During FY 2023-24 in Org Project Cost	-1.72	
Deletion During FY 2023-24 in Add Cap	-0.12	-1.72
<b>Closing GFA at the end of FY 2023-24</b>	<b>496.57</b>	<b>497.74</b>

**Table22: Gross Fixed Assets (In Rs. Crore) of Unit # 3 - FY 2023-24**

Gross Fixed Assets for FY 2023-24 - Unit 3		
Particulars	Proposed	Approved in APR Order
GFA at the beginning of FY 2023-24	475.67	475.66
Addition during FY 2023-24	7.14	8.19
Deletion During FY 2023-24 in Org Project Cost	-1.72	-1.72
Deletion During FY 2023-24 in Add Cap	-0.12	
<b>Closing GFA at the end of FY 2023-24</b>	<b>480.98</b>	<b>482.13</b>

**D.4.7. Financing of Additional Capitalization**

75. 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 2023-24 and is summarized in the following Table.

**Table23: Financing Structure of Additional Capitalization - (Rs. Crore) Unitwise**

Particulars	Financing Structure of Additional Capitalization - Unit 2			Financing Structure of Additional Capitalization - Unit 3		
	Proposed	Approved in APR Order	Difference	Proposed	Approved in APR Order	Difference
Normative Debt Component (70% of Capitalized Cost)	5.00	5.73	(0.74)	5.00	5.73	(0.74)
Normative Equity Component (30% of Capitalized Cost)	2.14	2.46	(0.32)	2.14	2.46	(0.32)
<b>Total Additional Capitalization</b>	<b>7.14</b>	<b>8.19</b>	<b>(1.05)</b>	<b>7.14</b>	<b>8.19</b>	<b>(1.05)</b>

**D.5. ANNUAL FIXED CHARGES FY 2023-24**

76. 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 2023-24***

77. In accordance with Regulation 15.9 and Regulation 15.10 of Generation Tariff Regulations, 2020 alongwith 1<sup>st</sup> 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.
78. 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% ( $22\% \times 1.10 \times 1.04$ ) (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.
79. The above approach is in line with the MYT Order passed by the Hon'ble Commission on 04.11.2022 and subsequent true up/ APR orders by the Commissions, dated 09.01.2024 and 06.06.2024.

**Table24: Return on Equity (Pre-tax) (In Rs. Crore) for FY 2023-24 - Unit # 2**

<b>Return on Equity (Pre-Tax) for FY 2023-24 - Unit 2</b>			
<b>Particulars</b>	<b>Proposed</b>	<b>Approved in APR Order</b>	<b>Difference</b>
Opening Equity	147.38	147.38	0.00
Addition	1.59	1.94	(0.35)
Closing Equity	148.97	149.32	(0.35)
Avg Equity	148.18	148.35	(0.18)
Rate of Return on Equity	15.00%	15.00%	0.00%
Applicable Tax Rate	25.17%	25.17%	0.00%
Rate of Pre-Tax Return on Equity	20.05%	20.05%	0.00%
<b>Return on Equity (Pre-Tax)</b>	<b>29.70</b>	<b>29.74</b>	<b>(0.04)</b>

**Table25: Return on Equity (Pre-tax) (In. Rs. Crore) for FY 2023-24 - Unit # 3**

<b>Return on Equity (Pre-Tax) for FY 2023-24 - Unit 3</b>			
<b>Particulars</b>	<b>Proposed</b>	<b>Approved in APR Order</b>	<b>Difference</b>
Opening Equity	142.70	143.92	(1.22)
Addition	1.59	1.94	(0.35)
Closing Equity	144.29	145.86	(1.57)
Avg Equity	143.50	144.89	(1.39)
Rate of Return on Equity	15.00%	15.00%	0.00%
Applicable Tax Rate	25.17%	25.17%	0.00%
Rate of Pre-Tax Return on Equity	20.05%	20.05%	0.00%
<b>Return on Equity (Pre-Tax)</b>	<b>28.76</b>	<b>29.04</b>	<b>(0.28)</b>

**D.5.2. Interest and Financing Charges on Loan**

80. With regard to computation of Interest on Loan for 2023-24, 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.

81. Tata Power, for the purpose of the computation of Interest on Loan for FY 2023-24, followed the above approach as submitted in the previous Petitions and also approved by the Hon'ble Commission. The closing loan for FY 2022-23 as approved by the Hon'ble Commission in the Order for Truing-up of FY 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 10.50% 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. 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.
82. The detailed computation of Interest on Loan for FY 2023-24 on Additional Capitalization is provided in the following Tables.

**Table26: Interest on Loan (In Rs. Crore) for FY 2023-24 - Unit # 2**

<b>Interest on Loan for FY 2023-24 - Unit 2</b>			
<b>Particulars</b>	<b>Proposed</b>	<b>Approved in APR Order</b>	<b>Difference</b>
Opening Loan	16.77	22.74	(5.97)
Additional Capitalization during the year	7.14	8.19	(1.05)
Additional Loan due to addition during the year (70% of Add Cap)	5.00	5.73	(0.73)
Deletion during the year excluding deletion pertaining to Original Project Cost	-1.72	0.00	(1.72)
Adjustment due to deletion( reduction of outstanding loan)	0.00	0.00	0.00
Repayment (=Depreciation on Add Cap)	11.86	5.26	6.60
Closing Debt	9.91	23.21	(13.30)
Average Loan Balance	13.34	22.98	(9.64)
<b>Computation of IoL</b>			
Rate of Interest (SBI 1yr MCLR + 2%)	10.50%	10.50%	
<b>Interest on Loan</b>	<b>1.40</b>	<b>2.41</b>	<b>(1.01)</b>

**Table27: Interest on Loan (In Rs. Crore) FY 2023-24 - Unit # 3**

<b>Interest on Loan for FY 2023-24 - Unit 3</b>			
<b>Particulars</b>	<b>Proposed</b>	<b>Approved in APR Order</b>	<b>Difference</b>
Opening Loan	19.00	23.24	(4.24)
Additional Capitalization during the year	7.14	8.19	(1.04)
Additional Loan due to addition during the year (70% of Add Cap)	5.00	5.73	(0.73)
Deletion during the year excluding deletion pertaining to Original Project Cost	-1.72	0.00	(1.72)
Adjustment due to deletion( reduction of outstanding loan)	0.00	0.00	0.00
Repayment (=Depreciation on Add Cap)	9.36	4.69	4.67
Closing Debt	14.64	24.28	(9.64)
Average Loan Balance	16.82	23.76	(6.94)
<b>Computation of IoL</b>			
Rate of Interest (SBI 1yr MCLR + 2%)	10.50%	10.50%	
<b>Interest on Loan</b>	<b>1.77</b>	<b>2.49</b>	<b>(0.73)</b>

### D.5.3. Depreciation FY 2023-24

83. 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.”*

84. 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 2024 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 depreciation 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.*

85. 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 2022-23) over the balance useful life (taking useful life of 25 years specified in Regulations) of the Plant.
86. In view of the above submissions, it is respectfully prayed before this Hon'ble Commission to kindly approve the proposed depreciation for 2023-24 as presented in the Tables below.

**Table28: Depreciation (In Rs. Crore) for FY 2023-24 - Unit # 2**

Particulars	Formulae	Total	Org	Add Cap	Total
		FY 23	FY 24	FY 24	FY 24
Opening GFA	A	490.89	411.77	79.50	491.28
Addition (as proposed)	b1	0.52	0.00	7.14	7.14
Deletion (as proposed)	b2	0.14	1.72	0.12	1.84
Closing GFA	$c = a+b1-b2$	491.28	410.06	86.52	496.58
Avg GFA	$d = (a+c)/2$	491.08	410.91	83.01	493.93
Depreciable Value @90%	$e = dx90\%$	441.98	369.82	74.71	444.53
Cumulative depreciation allowed upto beginning of the year	F	379.63	355.85	39.14	394.98
Less: Adjustment for Decapitalisation	g	0.31	0.10	0.01	0.11
Opening Cumulative Depreciation [Value, %]	$h = f-g$	379.32	355.75	39.13	394.87
	$i = h/c$	77%	87%	47%	80%
Balance Depreciable Value	$j=e-h$	62.66	14.07	35.59	49.66
Balance Useful life at the beginning of the year	$k=25-Age$	4.00	3.00	3.00	3.00
<b>Annual Depreciation (spread in balance useful life)</b>	$l=j/k$	<b>15.66</b>	<b>4.69</b>	<b>11.86</b>	<b>16.55</b>
Closing Cumulative Depreciation [Value]	$m=h-l$	394.98	360.44	50.99	411.43

**Table29: Summary of Depreciation (In Rs. Crore) for FY 2023-24 - Unit # 2**

Summary of Depreciation for FY 2023-24 - Unit 2			
Particulars	Proposed	Approved in APR Order	Diff
Depreciation on Original Capital Cost	4.69	7.36	9.19
Depreciation on Additional Capitalizations	11.86		
<b>Total Depreciation during the year</b>	<b>16.55</b>	<b>7.36</b>	<b>9.19</b>

**Table30: Depreciation (In Rs. Crore) for FY 2023-24 - Unit # 3**

Particulars	Formulae	Total	Org	Add Cap	Total
		FY 23	FY 24	FY 24	FY 24
Opening GFA	A	475.00	401.48	74.20	475.68
Addition (as proposed)	b1	0.70	0.00	7.14	7.14
Deletion (as proposed)	b2	0.02	1.72	0.12	1.84
Closing GFA	$c = a+b1-b2$	475.68	399.76	81.22	480.99
Avg GFA	$d = (a+c)/2$	475.34	400.62	77.71	478.33
Depreciable Value (@90% of Closing GFA)	$e = dx90\%$	427.81	360.56	69.94	430.50
Cumulative depreciation recovered till beginning of the year	F	351.66	334.33	32.53	366.85
Less: Cumulative depreciation adjustment on account of Decapitalisation	g	0.05	0.00	0.01	0.01
Opening Cumulative Depreciation [Value, %]	$h = f-g$	351.61	334.33	32.52	366.85
	$i = h/c$	74%	83%	42%	77%
Balance Depreciable Value	$j=e-h$	76.19	26.23	37.42	63.65
Balance Useful life at the beginning of the year	$k=25-Age$	5	4	4	4
<b>Annual Depreciation (spread in balance useful life)</b>	$l=j/k$	<b>15.24</b>	<b>6.56</b>	<b>9.36</b>	<b>15.91</b>
Closing Cumulative Depreciation [Value]	$m=h-l$	366.85	340.89	41.87	382.76

**Table31: Summary of Depreciation (In Rs. Crore) for FY 2023-24 - Unit # 3**

Particulars	Proposed	Approved in MYT Order	Diff
Depreciation on Original Capital Cost	6.56	7.98	7.93
Depreciation on Additional Capitalizations	9.36		
<b>Total Depreciation during the year</b>	<b>15.91</b>	<b>7.98</b>	<b>7.93</b>

**D.5.4. Operation and Maintenance Expenses for FY 2023-24**

87. 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

88. 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.

89. It is, therefore, humbly submitted that Petitioner for the purpose of Truing-up of FY 2023-24 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 2023-24 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."*

90. Further, in terms of Regulation 15.42(c), the actual Inflation Factor for FY 24 works out to 3.72% which is as per the methodology adopted by the Commission for working out the inflation factor for FY 2023 in case no. 11/2023 (Petition for truing up of FY 2023). Hence, in terms of above, actual inflation factor of 3.72% 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 24. Detail computations of actual inflation factor for FY 2024 is enclosed herewith and marked as **ANNEXURE P15** for kind reference of the Hon'ble Commission.
91. The audited Profit and Loss Statement of Unit 2 and Unit 3 for FY 2023-24 are annexed hereto and marked as **ANNEXURE P16** for kind perusal of the Hon'ble Commission.

#### ***D.5.4.1. Employee Expenses***

92. 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. The Hon'ble Commission, vide its earlier true up orders for the respective years, have allowed the additions considering the reasoning cited by the Petitioner. For the FY 2023-24, there has been no addition to the manpower, which is in line with the projected addition to manpower for FY 2023-24 submitted in APR petition for FY 2023-24. Further, the Petitioner humbly submits that in FY 2025, the Petitioner has envisaged the necessity of addition of manpower, numbering 10, on account of the reasons as stated above. Accordingly, Growth Factor, G, specified in GTR 2020 has been revised for three years as follows:

**Table32: Revised Growth Factor (G) for FY 2021-22, FY 2022-23 and FY 2023-24 - Unit # 2&3**

Particulars	Submitted for FY 21 and thereafter	Sanctioned Strength (submitted)	Actual as on 31.03.2021	Actual as on 31.03.2022	Actual as on 31.03.2023	Actual as on 31.03.2024	Projected as on 31.03.2025
Management Cadre	136	136	142	150	153	153	163
Non-Management Cadre	43	43	43	43	42	42	42
<b>Total</b>	<b>179</b>	<b>179</b>	<b>185</b>	<b>193</b>	<b>195</b>	<b>195</b>	205
Increase			6	8	2	0	10
<b>In % (G)</b>			<b>3.35%</b>	<b>4.32%</b>	<b>1.04%</b>	<b>0.00%</b>	<b>5.13%</b>

93. 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....."*

94. Accordingly, Employee Expenses for FY 24 has been revised considering the actual growth factor till FY 21 and for subsequent years of the MYT considering cumulative growth factor upto FY 24 i.e.,  $(1+3.35\%)(1+4.32\%)(1+1.04\%)(1+0\%)$  and further taking into account the actual inflation factor of 3.72% for FY 24 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:

**Table33: 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
<b>Unit-II</b>						
Employee Expenses	7.74	9.07	9.79	10.16	11.07	11.49
<b>Unit-III</b>						
Employee Expenses	7.74	9.07	9.79	10.16	11.07	11.49

95. In the above Table, for arriving at the Normative Employee Expenses for FY 25 and FY 26, Normative employee expenses for FY 24 have been further escalated considering escalation factor of 3.47% as approved in the MYT Order and growth

factors have been considered as 5.13% and 0% for FY 25 and FY 26, respectively; which are subject to truing up at actual.

***D.5.4.2. R&M, Other A&G, HO & Legal Expenses***

96. 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 3.72% for FY 2023-24 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 2024 the approved expenses in the MYT Order for FY 2024 is multiplied with the factor  $(1+3.72\%)/(1+3.47\%)$  i.e., inflation of 3.47% is removed and in place of it, the actual inflation of 3.72% 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 2024 works out to following for Unit 2&3 and the same has been considered for the purpose of Truing-up of FY 2024.

**Table34: Revised Normative Expenses (In Rs. Crore) for FY 2023-24 - Unit # 2&3**

Particulars	Unit 2		Unit 3	
	Approved in the MYT Order	Revised	Approved in the MYT Order	Revised
	FY 23-24	FY 23-24	FY 23-24	FY 23-24
R&M Expenses	20.31	20.36	18.82	18.87
A&G Expenses	6.81	6.83	6.39	6.41
Legal Expenses	0.01	0.01	0.01	0.01
HO Expenses	13.62	13.65	13.58	13.61

***D.5.4.3. Raw Water Charges***

97. So far for FY 2022 and FY 2023, Raw Water Charges have been allowed by the Hon'ble Commission in accordance with the approach adopted in the MYT Order i.e. 100% of Base Water Charges and 52% of Water Tax.
98. As regards the Water Charges for FY 2023-24, 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 already been provided by the Petitioner in the APR Petition for FY 2024.

99. 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 onward. The copies of the Raw Water Bills is enclosed as **ANNEXURE P18**. The water charges for unit 2 and unit 3 are summarized in the following table:

**Table35: Water Charges (In Rs. Crore) for FY 2023-24**

	<b>Unit#2</b>	<b>Unit#3</b>
<b>Base Value</b>	3.09	2.94
<b>Water tax</b>	2.81	2.68
<b>Total</b>	<b>5.90</b>	<b>5.62</b>

***D.5.4.4. Ash Disposal Expenses:***

100. Actual Ash disposal expenses of Rs 3.74 Crore for Unit 2 and Rs. 3.59 Crore for Unit 3 as per the Audited Accounts have been considered for the true-up 2023-24. The audited Profit and Loss Statement of Unit 2 and Unit 3 for FY 2023-24 is already annexed as **ANNEXURE P16** 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.

***D.5.4.5. Terminal Benefits:***

101. It is humbly submitted that Terminal Benefits of Rs 0.67 Crore each for Unit 2 and Unit 3 has been claimed as per the Audited Accounts for the true-up 2023-24 in terms of GTR, 2020.

**D.5.4.6. Application and Publication Expenses:**

102. It is humbly submitted that in 2023-24, Tata Power incurred expenses of Rs. 14.20 Lakh towards payment of Application Fee for filing of True-up Petition of FY 2023 and APR of FY 2024 which have been apportioned equally among Unit 2 & Unit 3. Apart from above, the Petitioner further incurred expenses of Rs. 11.80 Lakh in February 2024 towards publication of Public Notice for the Petition for Truing-up for FY 2023 and APR of FY 2024. The proof of payment of fees and Public Notices are annexed hereto as **ANNEXURE P18** for kind perusal of Hon'ble Commission.
103. Based on above, the detailed component-wise summary of the O & M expenses for Unit # 2 & 3 has been shown in the following tables:

**Table36: Summary of O & M expenses for FY 2023-24 - Unit # 2 (Rs. Crore)**

Particulars	Proposed	Approved in APR Order	Difference
<b>A: Items Allowed on Normative Basis</b>			
Employee Expenses excluding Terminal Liabilities	10.16	10.20	(0.04)
Repairs & Maintenance Expenses	20.36	21.11	(0.75)
Other Admin & General Expenses	6.83	7.08	(0.25)
Head Office Expenses	13.65	14.16	(0.51)
Legal Expenses	0.01	0.01	(0.00)
<b>B: Item Allowed on Actual Basis</b>			
Raw Water Expenses	5.90	5.88	0.02
Ash Disposal Expenses	3.74	4.59	(0.85)
Terminal Liabilities	0.67	0.92	(0.25)
Application fees and Publication Expenses	0.13	0.13	0.00
<b>O&amp;M Expenses</b>	<b>61.45</b>	<b>64.08</b>	<b>(2.63)</b>

**Table37: Summary of O & M expenses for FY 2023-24 - Unit # 3 (Rs. Crore)**

Particulars	Proposed	Approved in APR Order	Difference
<b>A: Items Allowed on Normative Basis</b>			
Employee Expenses excluding Terminal Liabilities	10.16	10.20	(0.04)
Repairs & Maintenance Expenses	18.87	19.57	(0.70)
Other Admin & General Expenses	6.41	6.64	(0.24)
Head Office Expenses	13.61	14.12	(0.50)
Legal Expenses	0.01	0.01	(0.00)

<b>B: Item Allowed on Actual Basis</b>			
Raw Water Expenses	5.62	5.68	(0.06)
Ash Disposal Expenses	3.59	4.92	(1.33)
Terminal Liabilities	0.67	0.92	(0.25)
Application fees and Publication Expenses	0.13	0.13	0.00
<b>O&amp;M Expenses</b>	<b>59.05</b>	<b>62.18</b>	<b>(3.13)</b>

#### **D.5.5. Interest on Working Capital for FY 2023-24**

104. 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 2023-24. Further, Rate of interest has been considered as the bank Rate as on 01.04.2023 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 2023-24 has been shown in the following Tables.

**Table38: Interest on Working Capital for FY 2023-24 - Unit # 2 (Rs. Crore)**

<b>Particulars</b>	<b>Proposed</b>	<b>Approved in APR Order</b>	<b>Diff</b>
<b>Computation of Cost Elements at Normative Availability</b>			
No. of days in FY	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)	806.37	815.33	(8.96)
Rate of Energy Charges Pertaining to Coal (ii) (Rs/kWh)	3.063	3.059	0.004
Coal Cost at Normative Availability [(i)x(ii)]	246.98	249.39	(2.41)
LDO Cost at Normative Availability	3.51	3.53	(0.01)
Annual Fixed Charges (excluding Incentive) at Normative Availability	120.79	123.87	(3.08)
O&M Expenses	61.45	64.08	(2.63)
Working Capital as Maintenance Spares (at 20% of O&M Expenses)	12.29	12.82	(0.53)
<b>Elements of Working Capital</b>			
Working Capital as Coal Cost for 50 days	33.74	34.07	(0.33)
Working Capital as LDO Cost for 2 months	0.59	0.59	(0.00)
Working Capital as Receivables for 45 days	45.65	46.33	(0.68)

Working Capital as O&M Expenses for 1 month	5.12	5.34	(0.22)
Working Capital as Maintenance Spares (at 20% of O&M Expenses)	12.39	12.82	(0.53)
<b>Total Working Capital</b>	<b>97.39</b>	<b>99.14</b>	<b>(1.75)</b>
<b>Computation of Interest on Working Capital</b>			
Bank Rate as on 01.04.2023 +(3.5%)	12.00%	12.00%	0.00
<b>Interest on Working Capital</b>	<b>11.69</b>	<b>11.90</b>	<b>(0.21)</b>

**Table39: Interest on Working Capital for FY 2023-24 - Unit # 3 (Rs. Crore)**

Particulars	Proposed	Approved in APR Order	Diff
<b>Computation of Cost Elements at Normative Availability</b>			
No. of days in FY	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)	806.37	815.33	(8.96)
Rate of Energy Charges Pertaining to Coal (ii) (Rs/kWh)	3.070	3.078	(0.01)
Coal Cost at Normative Availability [= (i)x(ii)]	247.59	250.93	(3.33)
LDO Cost at Normative Availability	3.59	3.53	0.06
Annual Fixed Charges (excluding Incentive) at Normative Availability	117.07	120.66	(3.59)
O&M Expenses	59.05	62.18	(3.13)
Working Capital as Maintenance Spares (at 20% of O&M Expenses)	11.81	12.44	(0.63)
<b>Elements of Working Capital</b>			
Working Capital as Coal Cost for 50 days	33.82	34.28	(0.46)
Working Capital as LDO Cost for 2 months	0.60	0.59	0.01
Working Capital as Receivables for 45 days	45.28	46.12	(0.84)
Working Capital as O&M Expenses for 1 month	4.92	5.18	(0.26)
Working Capital as Maintenance Spares (at 20% of O&M Expenses)	11.81	12.44	(0.63)
<b>Total Working Capital</b>	<b>96.43</b>	<b>98.61</b>	<b>(2.18)</b>
<b>Computation of Interest on Working Capital</b>			
Bank Rate as on 01.04.2023 +(3.5%)	12.00%	12.00%	0.00
<b>Interest on Working Capital</b>	<b>11.57</b>	<b>11.83</b>	<b>(0.26)</b>

**D.5.6. Operational Gain due to variation in Norms FY 2023-24:**

105. 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 work out 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<sub>N</sub> - ECR<sub>A</sub>) x Scheduled Generation;***

*Where,*

***ECR<sub>N</sub>:*** *Normative Energy Charge Rate computed on the basis of norms specified for Station Heat Rate, Auxiliary Energy Consumption and Secondary Fuel Oil consumption.*

***ECR<sub>A</sub>:*** *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**

106. Accordingly, in terms of above Regulation and considering actual performance of FY 24, the Gain due to Operational Performance of SHR, Auxiliary Power Consumption and SFC works out as follows for Unit 2 and 3:

**Table40: Operational Gain for FY 2023-24 as per GTR 2020 - Unit # 2&3 (Rs. Crore)**

Particulars	UoM	Unit 2		Unit 3	
		Normative	Actual	Normative	Actual
Heat Rate	kCal/kWh	2567.00	2539.37	2577.00	2538.13
Auxiliary Power	%	10.00%	8.75%	10.00%	8.75%
Sp. LDO Consumption	ml/kWh	0.50	0.37	0.50	0.37
Equivalent GCV of Coal (CVPF) less 85 kCal/kg	kCal/Kg	3641.93	3641.93	3618.09	3618.09
Equivalent Landed Price of Coal (LPPF)	Rs/Ton	3917.72	3917.72	3886.55	3886.55
Equivalent GCV of LDO (CVPF)	kCal/L	8916.67	8916.67	8917.60	8917.60
Equivalent Landed Price of LDO (LPPF)	Rs/KL	78439.77	78439.77	80156.92	80156.92
Energy Charge Rate (ECR)	Rs/kWh	3.11	3.02	3.12	3.02
ECR <sub>N</sub> - ECR <sub>A</sub>			0.08		0.10
Ex-Bus Generation	MU		801.61		761.78
<b>Gain/(Loss) on Operational Parameters</b>	<b>Rs. Crore</b>		<b>6.81</b>		<b>7.49</b>
<b>Gain to be retained by Petitioner (75%)</b>	<b>Rs. Crore</b>		<b>5.11</b>		<b>5.62</b>
<b>Gain to be shared with beneficiaries by Petitioner (25%)</b>	<b>Rs. Crore</b>		<b>1.70</b>		<b>1.87</b>
<b>Gain to be shared with beneficiaries by Petitioner (25%)</b>					<b>3.58</b>

107. Similarly, in accordance with GTR 2020, Gain in Operation & Maintenance Expenses for FY 24 works out to as follows:

**Table41: Gain in O&M Expenses for FY 2023-24 - Unit # 2 (Rs. Crore)**

Particulars	Formula	Performance Target Approved	Actual Expenses incurred	Savings
A	B	C	D	E=C-D
<b>O&amp;M Allowed on Normative basis</b>				
Employee Cost exc TL	A	10.16	10.41	-0.25
R&M Expenses	B	20.36	13.79	6.57
HO & SS Expenses	C	13.68	11.53	2.15
Other A&G Expenses	D	6.83	7.23	-0.41
Legal Expenses	E	0.01	0.03	-0.02
<b>Sub-total 1</b>	<b>f=a+b+c+d+e</b>	<b>51.03</b>	<b>43.00</b>	<b>8.04</b>

**Table42: Gain in O&M Expenses for FY 2023-24 - Unit # 3 (Rs. Crore)**

Particulars	Formula	Performance Target Approved	Actual Expenses incurred	Savings
A	B	C	D	E=C-D
<b>O&amp;M Allowed on Normative basis</b>				
Employee Cost exc TL	A	10.16	10.39	-0.24
R&M Expenses*	B	18.87	24.55	-5.68
HO & SS Expenses	C	13.61	11.85	1.76
Other A&G Expenses	D	6.41	5.78	0.62
Legal Expenses	E	0.01	0.03	-0.02
<b>Sub-total 1</b>	<b>f=a+b+c+d+e</b>	<b>49.05</b>	<b>52.61</b>	<b>-3.56</b>

108. 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. 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.

109. 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.
110. 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**]

111. Further, the PPA with the beneficiary is also combined contract for both the units. Also, the regulation 6.15 for O&M gain sharing refers to sharing gains for the generating station as a whole.
112. 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:

**Table43: Savings in O&M Expenses Unit 2+Unit 3 (Combined) for FY 2023-24**

<b>Savings in O&amp;M Expenses Unit 2+Unit 3 (Taken Together) for FY 2023-24</b>				
<b>Particulars</b>	<b>Formula</b>	<b>Performance Target Approved</b>	<b>Actual Expenses incurred</b>	<b>Savings</b>
		Unit 2+Unit 3		
A	B	C	D	E=C-D
O&M Allowed on Normative basis				
Employee Cost exc TL	A	20.31	20.80	-0.49
R&M Expenses	B	39.22	38.34	0.88
HO & SS Expenses	C	27.29	23.38	3.91
Other A&G Expenses	D	13.23	13.02	0.22
Legal Expenses	E	0.02	0.06	-0.04
Sub-total	f=a+b+c+d+e	100.08	95.60	4.48
<b>Gain to be Shared with Beneficiaries of Unit 2 and 3</b>	<b>g=50% of f</b>			<b>2.24</b>

113. The above adjustment in gain of Rs. 2.24 Crore is considered in ARR of respective Units 2 & 3, i.e. Rs. 1.12 Crore with 50:50 gains sharing in each Unit as per Regulations. This will avoid under hardship to the Petitioner.

**D.5.7. Non-Tariff Income for FY 2023-24:**

114. 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 24:

**Table44: Other Revenue as per Books of Account of FY 24-Unit 2&3**

<b>Sl. No.</b>	<b>Other Revenue as per Audited P/L Account</b>	<b>Unit 2</b>	<b>Unit 3</b>
1	Operating Income Others (Rs.)	1,74,80,565	1,71,27,681
2	Other Income (Rs.)	15,787	18,728
3	Total (In Rs.)	1,74,96,352	1,71,46,409
<b>5</b>	<b>Total (In Rs. Cr)</b>	<b>1.75</b>	<b>1.71</b>

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

**Table45: Break-up (Operating Income Others) in Non-Tariff Income for FY 2023-24 - Unit # 2&3 (Rs.)**

<b>Sl. No.</b>	<b>Break-up (Operating Income Others)</b>	<b>Unit2</b>	<b>Unit3</b>
I	Sale of Fly Ash	84,78,343.00	81,25,459.00
Ii	Sale of Scrap	79,66,363.90	79,66,363.90
Iii	Miscellaneous Revenue	73,324.93	73,324.93
Iv	Liquidated Damages	6,54,647.86	6,54,647.86
V	Rental Income from Staff Quarters	3,07,885.32	3,07,885.32
<b>Vi</b>	<b>Total</b>	<b>1,74,80,565.01</b>	<b>1,71,27,681.01</b>

116. 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.

**Table46: Non-Tariff Income for FY 2023-24 - Unit # 2&3 (Rs. Crore)**

<b>Non-Tariff Income</b>	<b>Unit 2</b>	<b>Unit 3</b>
Operating Income Others		
<b>Total (In Rs. Cr)</b>	<b>1.75</b>	<b>1.71</b>

117. Further, Management Certificate certifying the Break-up of the Non-Tariff Income of Unit 2 and Unit 3 for FY 2024 is annexed herewith and marked as **ANNEXURE P19** for kind reference of the Hon'ble Commission.
118. 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.5.8. Annual Fixed Charges for FY 2023-24**

119. The various elements of proposed Annual Fixed Charges for FY 2023-24 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 2023-24 as presented in the Tables below:

**Table47: Annual Fixed Charges for FY 2023-24 - Unit # 2 (Rs. Crore)**

Particulars	Proposed	Approved in APR Order	Difference
Depreciation	16.55	7.36	9.19
Interest on Loan	1.40	2.41	(1.01)
O&M Expenses	61.45	64.08	(2.63)
Return on Equity (Pre-Tax)	29.70	29.74	(0.04)
Interest on Working Capital	11.69	11.90	(0.21)
<b>Total Annual Fixed Charges (excluding Incentive)</b>	<b>120.79</b>	<b>115.49</b>	<b>5.30</b>
Incentive	0.00	0.00	0.00
<b>Total Annual Fixed Charges</b>	<b>120.79</b>	<b>115.49</b>	<b>5.30</b>

**Table48: Annual Fixed Charges for FY 2023-24 - Unit # 3 (Rs. Crore)**

Particulars	Proposed	Approved in APR Order	Difference
Depreciation	15.91	7.98	7.93
Interest on Loan	1.77	2.49	(0.73)
O&M Expenses	59.05	62.18	(3.13)
Return on Equity (Pre-Tax)	28.76	29.04	(0.28)
Interest on Working Capital	11.57	11.83	(0.26)
<b>Total Annual Fixed Charges (excluding Incentive)</b>	<b>117.07</b>	<b>113.53</b>	<b>3.54</b>
Incentive	0.00	0.00	0.00
<b>Total Annual Fixed Charges</b>	<b>117.07</b>	<b>113.53</b>	<b>3.54</b>

**D.5.9. ANNUAL REVENUE REQUIREMENT FOR FY 2023-24**

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

**Table49: Annual Revenue Requirement FY 2023-24 for Unit # 2**

<b>Particulars</b>	<b>UoM</b>	<b>Proposed</b>	<b>Approved in APR Order</b>	<b>Difference</b>
Gross Generation	MUs	878.51	888.68	(10.17)
Aux Power Consumption	%	8.75%	9.04%	(0.00)
Ex-Bus Generation	Mus	801.61	808.36	(6.74)
Gross Heat Rate	kCal/kWh	2539	2567	(27.63)
Normative Sp. LDO Consumption	ml/kWh	0.50	0.50	0.00
Depreciation	Rs Crore	16.55	7.36	9.19
Interest on Loan	Rs Crore	1.40	2.41	(1.01)
O&M Expenses	Rs Crore	61.45	64.08	(2.63)
Return on Equity (Pre-Tax)	Rs Crore	29.70	29.74	(0.04)
Interest on Working Capital	Rs Crore	11.69	11.90	(0.21)
<b>Total Annual Fixed Charges</b>	<b>Rs Crore</b>	<b>120.79</b>	<b>115.49</b>	<b>5.30</b>
Incentive (Pre-tax)	Rs Crore	0.00	0.00	0.00
<b>Annual Fixed Charges (including Incentive)</b>	<b>Rs Crore</b>	<b>120.79</b>	<b>115.49</b>	<b>5.30</b>
Energy Charge Rate	Rs/kWh	3.106	3.102	0.00
<b>Energy Charges</b>	<b>Rs Crore</b>	<b>249.02</b>	<b>250.72</b>	<b>(1.70)</b>
Less: Discount as per [SHAKTI 2&3]	Rs Crore	3.83	3.87	(0.03)
Less: Gain on Operational Parameters[25%]	Rs Crore	1.70	-	1.70
Less: Gain on O&M Expenses[50%]	Rs Crore	1.12	-	1.12
Less: Non Tariff Income	Rs Crore	1.75	-	1.75
<b>Total Annual Revenue Requirement</b>	<b>Rs Crore</b>	<b>361.41</b>	<b>362.33</b>	<b>(0.93)</b>

**Table50: Annual Revenue Requirement FY 2023-24 for Unit# 3**

<b>Particulars</b>	<b>UoM</b>	<b>Proposed</b>	<b>Approved in APR Order</b>	<b>Difference</b>
Gross Generation	MUs	834.78	859.35	(24.57)
Aux Power Consumption	%	8.75%	9.13%	(0.00)
Ex-Bus Generation	MUs	761.78	780.89	(19.11)
Gross Heat Rate	kCal/kWh	2538	2577	(38.87)
Normative Sp. LDO Consumption	ml/kWh	0.50	0.50	0.00
Depreciation	Rs Crore	15.91	7.98	7.93
Interest on Loan	Rs Crore	1.77	2.49	(0.73)
O&M Expenses	Rs Crore	59.05	62.18	(3.13)
Return on Equity (Pre-Tax)	Rs Crore	28.76	29.04	(0.28)
Interest on Working Capital	Rs Crore	11.57	11.83	(0.26)
<b>Total Annual Fixed Charges</b>	<b>Rs Crore</b>	<b>117.07</b>	<b>113.53</b>	<b>3.54</b>
Incentive (Pre-tax)	Rs Crore	0.00	0.00	0.00
<b>Annual Fixed Charges (including Incentive)</b>	<b>Rs Crore</b>	<b>117.07</b>	<b>113.53</b>	<b>3.54</b>
Energy Charge Rate	Rs/kWh	3.115	3.121	(0.01)
<b>Energy Charges</b>	<b>Rs Crore</b>	<b>237.29</b>	<b>243.68</b>	<b>(6.38)</b>
Less: Discount as per [SHAKTI 2&3]	Rs Crore	3.30	3.58	(0.28)
Less: Gain on Operational Parameters[25%]	Rs Crore	1.87	-	1.87
Less: Gain on O&M Expenses[50%]	Rs Crore	1.12	-	1.12
Less: Non Tariff Income	Rs Crore	1.71	-	1.71
<b>Total Annual Revenue Requirement</b>	<b>Rs Crore</b>	<b>346.35</b>	<b>353.63</b>	<b>(7.27)</b>

121. Tata Power humbly prays before this Hon'ble Commission to approve the above proposed Annual Revenue Requirement for FY 2023-24 in respect of Unit 2 and Unit 3.

**D.5.10. REVENUE GAP/SURPLUS FOR FY 2023-24**

122. It is submitted that there is a variation in the Total Annual Revenue Requirement for FY 2023-24 for Unit 2 & Unit 3 and the Revenue recovered through the Monthly Billing for Unit 2 & Unit 3 in FY 2023-24. The summary of the Monthly Billing as certified by the Statutory Auditors have been furnished in **ANNEXURE P20**. Reconciliation of the billing summary with the revenue is enclosed as **ANNEXURE P20a**.
123. For the purpose of Revenue recovered for FY 2023-24, the Petitioner has considered the actual amount recovered as per the review order dated 09.01.2024 in case of 18/2022 and the 1<sup>st</sup> amendment to the GTR'20 in FY 2025. Further, additional recovery pursuant to Order dated 06.06.2024 in respect of APR of FY 2024 has also been considered in revenue recovered in FY 2025. The Operational gain shared with the beneficiaries vide letter dated 01.09.2024 has been adjusted to arrive at the net ARR. The relevant reconciliations and settlements in respect of above referred orders and operational gain sharing are enclosed as **ANNEXURE-P21**.
124. 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 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 7.4 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.....”*

125. As per Regulations 7.4, Tata Power is required to recover/refund the Revenue Gap of FY 2023-24 along with Carrying Cost from/to Tata Steel Distribution Licensee. Carrying Cost on the Revenue Gap has been computed from mid of FY 2023-24 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.

126. The detailed computation of the same has been shown in the following Tables for kind perusal and consideration of the Hon'ble Commission. The applicable interest rate for computation of Carrying Cost for FY 2023-24 and for FY 2024-25 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.

**Table51: Revenue Gap/(Surplus) along with Carrying Cost for FY 2023-24 for Unit # 2  
(Rs. Crore)**

<b>Particulars</b>	<b>UoM</b>	<b>Proposed</b>
Net Annual Revenue Requirement FY 2023-24	Rs Crore	361.41
Actual Revenue Recovered through Billing for FY 24	Rs Crore	349.07
Add: Operational gain Shared	Rs Crore	1.70
Revenue Gap/(Surplus)	Rs Crore	14.04
Prevailing Bank Rate as on 1st April of 2023	%	12.00%
Carrying Cost for 6 Months, i.e., upto 31.03.2024	Rs Crore	0.84
Closing gap for FY 24-25	Rs Crore	8.94
Carrying cost for FY 24-25	Rs Crore	1.40
<b>Proposed Revenue Gap/(Surplus) for FY 23-24 including carrying cost upto March-2025.</b>	<b>Rs Crore</b>	<b>11.18</b>

**Table52: Revenue Gap/(Surplus) along with Carrying Cost for FY 2023-24 for Unit # 3  
(Rs. Crore)**

<b>Particulars</b>	<b>UoM</b>	<b>Proposed</b>
Net Annual Revenue Requirement FY 2023-24	Rs Crore	346.35
Actual Revenue Recovered through Billing for FY 24	Rs Crore	335.40
Add: Operational gain Shared	Rs Crore	1.87
Revenue Gap/(Surplus)	Rs Crore	12.83
Prevailing Bank Rate as on 1st April of 2023	%	12.00%
Carrying Cost for 6 Months, i.e., upto 31.03.2024	Rs Crore	0.77
Closing gap for FY 24-25	%	6.76
Carrying cost for FY 24-25	Rs Crore	1.19
<b>Proposed Revenue Gap/(Surplus) for FY 23-24 including carrying cost upto March-2025.</b>	<b>Rs Crore</b>	<b>8.72</b>

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## **E. ANNUAL PERFORMANCE REVIEW FOR FY 2024-25**

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127. This Section deals with the Annual Performance Review (“**APR**”) for FY 2024-25, 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 2024 to Sept 2024 for the purpose of **APR** and for the balance months we have considered the estimated Operational Performance. The Financial Performance of FY 2024-25 for the purpose of APR has been revised considering the revised Capitalization and Decapitalization Plan as elaborated/explained in True-up section of the instant Petition. Further, O&M Expenses have been revised considering the revision in inflation factor and growth factor for FY 25. Water Charges have 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 have been considered as approved in the MYT Order. Tariff Forms for FY 2024-25 in hard copy are enclosed herewith as **ANNEXURE P1A-APR(Colly)**. The soft copy of filled-up Tariff formats for FY 2024-25 for this purpose along with soft copy of Excel Model are annexed hereto as **ANNEXURE P1B-APR (Colly)**.
128. The revised projections for FY 2024-25 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.*  
.....”

129. 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, Tata Power in this Section, is covering the actual Operational Performance till Sept 2024 and estimated performance for the remaining months of FY 2024-25, Variation in Fuel sourcing Plan, Revised Fuel parameters, revised estimates of Additional Capitalization including re-phasing of the certain Approved Schemes of Control Period.

130. Accordingly, the APR exercise for FY 2024-25 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

131. 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 2024-25**

132. The revised Operational Performance of Jojobera Unit 2 and Unit 3 for FY 2024-25 is presented in the following Table based on the actual performance up to the month of Sept 2024 & projection for the remaining months. The month-wise details of actual/estimated Operational Performance of Units 2 & 3 for FY 2024-25 are annexed hereto and marked as **ANNEXURE P22**.

**Table53: Operational Performance for FY 2024-25- Unit # 2**

<b>Particulars</b>	<b>UoM</b>	<b>Proposed</b>	<b>Approved in MYT Order</b>	<b>Difference</b>
Unit Capacity	MW	120	120	0.00
Gross Generation	MUs	849.90	893.52	(43.62)
Plant Load Factor	%	80.85%	85.00%	(4.15%)
Auxiliary Power Consumption	MUs	80.48	80.42	0.07
Auxiliary Power Consumption	%	9.47%	9.00%	0.47%
Ex-Bus Generation	MUs	769.42	813.10	(43.68)
Plant Availability Factor	%	87.05%	85.00%	2.05%
Gross Heat Rate	kCal/kWh	2567	2525	42.00

**Table54: Operational Performance for FY 2024-25 - Unit # 3**

<b>Particulars</b>	<b>UoM</b>	<b>Proposed</b>	<b>Approved in MYT Order</b>	<b>Difference</b>
Unit Capacity	MW	120	120	0.00
Gross Generation	MUs	951.45	893.52	57.93
Plant Load Factor	%	90.51%	85.00%	5.51%
Auxiliary Power Consumption	MUs	89.99	80.42	9.58
Auxiliary Power Consumption	%	9.46%	9.00%	0.46%
Ex-Bus Generation	MUs	861.45	813.10	48.35
Plant Availability	%	94.63%	85.00%	9.63%
Gross Heat Rate	kCal/kWh	2577	2525	52.00

### ***E.1.1 Generation***

133. The Gross Generation of FY 2024-25 is now estimated to be **849.90 MUs** for Unit 2 and **951.45 MUs** for Unit 3 as compared to **893.52 MUs** as approved in MYT Order for both the Units. Accordingly, Plant Load Factors for Unit 2 and Unit 3 works out to **80.85.11%** and **90.51%** respectively. Gross Generation/ PLF of Units 2 is based on planned outage and demand projected by the beneficiary. Tata Power has, therefore, considered the above generation for the purpose of the Annual Performance Review of FY 2024-25. The month-wise PLF projections given by the beneficiary for the month of October 24 to March-24 is enclosed herewith and marked as **ANNEXURE P23** for kind reference of the Hon'ble Commission.

### ***E.1.2 Auxiliary Power Consumption (AUX)***

134. AUX for Unit # 2 & 3 have been estimated considering the Actual AUX up to September 2024 and Normative Aux for the remaining months. Accordingly, the Auxiliary Power Consumption of Unit 2 and Unit 3 for FY 2024-25 works out to 9.47% and 9.46% respectively as compared to Normative Auxiliary Power Consumption of 10% for each Unit as specified in the Generation Tariff Regulations 2020, vide 1<sup>st</sup> amendment dated 03.11.2023. Normative Auxiliary Power Consumption of **10%** has been considered for the purpose of APR as per 1<sup>st</sup> Amendment.

### ***E.1.3 Plant Availability***

135. Taking into account the actual Availability of the Units 2 & 3 up to September 2024 and projected availability for remaining months, the Availability of the Unit 2 and Unit 3 is estimated at **87.05%** and **94.63%** respectively for FY 2024-25 as against Normative Plant Availability of **85%** as specified in the Generation Tariff Regulations 2020. The Annual Shut Down ("ASD") plan for Jojobera changed from FY 2023-24 onwards compared to ASD plan approved by Hon'ble Commission in MYT Order. Now, Annual Shutdown down is planned for Unit 2 in month of December 2024 and accordingly maintenance activity will be done. The communication with the beneficiary as regards the ASD is annexed as **ANNEXURE P24**.

#### ***E.1.4 Heat Rate***

136. Tata Power for the purpose of APR of FY 2024-25 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 (1<sup>st</sup> amendment).
137. 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.
138. 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.

## **E.2 COAL PARAMETERS – FY 2024-25**

### ***E.2.1 Coal Mix and Gross Calorific Value (“GCV”) of Primary Coal***

139. With regard to Coal Mix proposed for FY 2024-25, it is submitted that there is a variation in coal mix proposed in the instant Petition for the APR of FY 2024-25 compared to fuel mix approved in the MYT Order for FY 2024-25. Reasons for the deviation are as mainly as follows:
- (a) Restriction in FSA coal supply/ Supply of CCL allocations under rail mode due to nationwide coal scarcity.
  - (b) In addition to the above point, the growing power demand in various industries has caused an increase in the Plant Load Factor (PLF) of station, leading to a greater demand for coal.
140. 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, mainly the middling coal, from West Bokaro Collieries and tailing coal which is transparent and is the cheapest route compared to any other sources viz, other private coal or imported coal. The Petitioner has already apprised Hon'ble Commission in its Directive reports for Q1 of FY 2024-25 regarding 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 P25** for kind reference of the Hon'ble Commission and details are not repeated herein for sake of brevity.

141. Further, in order to meet the demand of TSL and to bridge the gap of non-availability of SHAKTI coal in the remaining months i.e. Oct-24 to March-25, the Petitioner in addition to the linkage sources has further projected to source the balance coal requirement through Middling coal, 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.
142. 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.
143. It is submitted that for the purpose of arriving at the projected Fuel Mix for FY 2024-25, actual coal consumption upto month of Sept-2024 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 non-Shakti coal as discussed. The balance coal requirement over and above the supply from Shakti Coal has been estimated to be met preferably from TSL middling coal, tailing coal or 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.

144. 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 2024-25.

**Table55: Projected Coal Parameters for FY 2024-25- Unit # 2**

Particulars	Fuel Mix (%)		GCV (kCal/Kg)			Landed Price (Rs/MT)		
	Project-ed	Approved in MYT Order	Project-ed	Approved in MYT Order	Diff	Project-ed	Approved in MYT Order	Diff
Middling Coal	34.17%	21.04%	4402.50	3861	542	4934.94	4222.58	712
CCL Shakti R3	32.53%	43.76%	3694.03	3838	(143)	3851.32	3653.69	198
CCL Shakti	10.61%	14.63%	3889.96	3838	52	3948.10	3653.69	294
MCL Shakti	13.59%	14.09%	3251.85	3130	122	3100.58	2506.65	594
ECL Shakti	5.95%	6.48%	4726.12	5109	(383)	5844.67	5328.00	517
CCL SFA/ e-Auction	2.86%	0.00%	4441.17		4441	6036.83		6037
WB Tailing	0.28%	0.00%	4321.85		4322	5878.00		5878
Wt. Avg	100.00%	100.00%	3981.45	3825	156	4316.89	3720	597
LDO			9006.90	9100	(93)	78139.77	45198	32942

**Table56: Projected Coal Parameters for 2024-25 - Unit # 3**

Particulars	Fuel Mix (%)		GCV (kCal/Kg)			Landed Price (Rs/MT)		
	Project-ed	Approved in MYT Order	Project-ed	Approved in MYT Order	Diff	Project-ed	Approved in MYT Order	Diff
Middling Coal	31.29%	21.03%	4429.43	3860	570	4908	4223	685
CCL Shakti R3	35.77%	43.76%	3702	3856	(154)	3782	3820	(38)
CCL Shakti	12.94%	14.64%	3869	3856	13	3983	3820	163
MCL Shakti	12.25%	14.09%	3252	3107	145	3140	2519	621
ECL Shakti	6.90%	6.48%	4721	5001	(279)	5358	5348	10
CCL SFA/ e-Auction	0.60%	0.00%	4444		4444	6018	0	6018
WB Tailing	0.25%	0.00%	4322		4322	5878		5878
Wt. Avg	100.00%	100.00%	3973	3826	147	4209.03	3820	389
LDO			8782	9100	(318)	77608	45196	32412

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

145. The Petitioner for the purpose of computation of estimated Energy Charges for 2024-25 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 Sept 2024. The same is summarized in the above Tables alongwith coal parameters for kind perusal of the Hon’ble Commission.

***E.2.3 Transit Loss***

146. The Petitioner for the purpose of Annual Performance Review of 2024-25 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 2024-25**

147. 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 2024-25***

148. Operational parameters have been considered at Normative level for FY 2024-25, 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 85 kCal/kg for both the Units 2&3 as specified in Generation Tariff Regulations 2020 vide its 1<sup>st</sup> Amendment for computing the Energy Charges.

149. The detailed computation of revised Energy Charge Rate and Energy Charges for FY 2024-25 compared to MYT Order is shown in the following Tables.

**Table57: Projected Energy Charges for FY 2024-25 - Unit # 2**

Particulars	UoM	Proposed	Approved in MYT Order	Difference
<b>Operational Parameters</b>				
Actual Aux Power Consumption (AUX)	%	9.47%	9.00%	0.47%
Normative Aux Power Consumption	%	10.00%	9.00%	
Normative Gross Heat Rate (GHR)	kCal/kWh	2567	2525	42.00
Normative Specific LDO Consumption (SFCn)	ml/kWh	0.50	0.50	0.00
LDO GCV (CVPF)	kCal/L	9007	9100	(93.10)
LDO Landed Price	Rs/KL	78140	45198	32942
<b>Middling Coal</b>				0.00
Middling Coal in mix	%	34.17%	21.04%	13.13%
Middling Coal GCV	kCal/Kg	4403	3861	541.75
Middling Coal Landed Price	Rs/Ton	4935	4223	712.36
<b>CCL Shakti R3 Coal</b>				
CCL Shakti R3 Coal in Mix	%	32.53%	43.76%	(11.23%)
CCL Shakti R3 GCV	kCal/Kg	3694	3838	(143.50)
CCL Shakti R3 Landed Price	Rs/Ton	3851	3654	197.64
<b>CCL Shakti 2 Coal</b>				
CCL [Shakti 2] Coal in Mix	%	10.61%	14.63%	(4.02%)
CCL [Shakti 2] Coal GCV	kCal/Kg	3890	3838	52.43
CCL [Shakti 2] Coal Landed Price	Rs/Ton	3948	3654	294.42
<b>MCL Shakti 2 Coal</b>				
MCL [Shakti 2] Coal Consumption	%	13.59%	14.09%	(0.50%)
MCL [Shakti 2] GCV	kCal/Kg	3252	3130	122.14
MCL [Shakti 2] Landed Price	Rs/Ton	3101	2507	593.93
<b>ECL Shakti 2 Coal</b>				
ECL [Shakti 2] Coal in Mix	%	5.95%	6.48%	(0.53%)
ECL [Shakti 2] GCV	kCal/Kg	4726	5109	(383.15)
ECL [Shakti 2] Landed Price	Rs/Ton	5845	5328	516.67
<b>CCL SFA</b>				
CCL SFA Coal in Mix	%	2.86%	0	2.86%
CCL SFA GCV	kCal/Kg	4441	0	4441.17
CCL SFA Landed Price	Rs/Ton	6037	0	6036.83
<b>WB Tailing</b>				

WB Tailing Coal in Mix	%	0.28%	0.00%	0.28%
WB Tailing GCV	kCal/Kg	4322	0	4321.85
WB Tailing coal Landed Price	Rs/Ton	5878	0	5878.00
<b>Equivalent GCV &amp; Landed Price of Coal</b>				
Equivalent GCV of Coal (CVPF)	kCal/Kg	3981.45	3825.15	71.30
Eq. GCV of Coal less Stacking Loss (Actual-85kCal/Kg)	kCal/Kg	3896.45		
Equivalent Landed Price of Coal (LPPF)	Rs/Ton	4316.89	3720.33	596.55
Rate of Energy Charge pertaining to Coal	Rs/kWh	3.154	2.694	0.46
Rate of Energy Charge pertaining to LDO	Rs/kWh	0.043	0.025	0.02
<b>Energy Charge Rate (ECR)</b>	<b>Rs/kWh</b>	<b>3.198</b>	<b>2.719</b>	0.48
Ex-Bus Generation	Mus	769.42	813.10	(43.68)
<b>Energy Charges</b>	<b>Rs Crore</b>	<b>246.05</b>	<b>221.06</b>	<b>24.99</b>

**Table58: Projected Energy Charges for FY 2024-25 - Unit # 3**

Particulars	UoM	Proposed	Approved in MYT Order	Difference
<b>Operational Parameters</b>				
Actual Aux Power Consumption (AUX)	%	9.46%	9.00%	0.46%
Normative Aux Power Consumption	%	10.00%	9.00%	
Gross Heat Rate (GHR)	kCal/kWh	2577	2525	52.00
Normative Specific LDO Consumption (SFCn)	ml/kWh	0.50	0.50	0.00
LDO GCV (CVPF)	kCal/L	8782	9100	(318.15)
LDO Landed Price	Rs/KL	77608	45196	32412
<b>Middling Coal</b>				0.00
Middling Coal in mix	%	31.29%	21.03%	10.26%
Middling Coal GCV	kCal/Kg	4429	3860	569.62
Middling Coal Landed Price	Rs/Ton	4908	4223	684.62
<b>CCL Shakti R3 Coal</b>				
CCL Shakti R3 Coal in Mix	%	35.77%	43.76%	(7.99%)
CCL Shakti R3 GCV	kCal/Kg	3702	3856	(153.93)
CCL Shakti R3 Landed Price	Rs/Ton	3782	3820	(37.92)
<b>CCL Shakti 2 Coal</b>				
CCL [Shakti 2] Coal in Mix	%	12.94%	14.64%	(1.69%)
CCL [Shakti 2] Coal GCV	kCal/Kg	3869	3856	12.51
CCL [Shakti 2] Coal Landed Price	Rs/Ton	3983	3820	163.40
<b>MCL Shakti 2 Coal</b>				
MCL [Shakti 2] Coal Consumption	%	12.25%	14.09%	(1.84%)
MCL [Shakti 2] GCV	kCal/Kg	3252	3107	145.26
MCL [Shakti 2] Landed Price	Rs/Ton	3140	2519	621.19
<b>ECL Shakti 2 Coal</b>				
ECL [Shakti 2] Coal in Mix	%	6.90%	6.48%	0.42%
ECL [Shakti 2] GCV	kCal/Kg	4721	5001	(279.46)
ECL [Shakti 2] Landed Price	Rs/Ton	5358	5348	10.37
<b>CCL SFA</b>				
CCL [SFA] Coal in Mix	%	0.60%	0.00%	0.60%
CCL [SFA] GCV	kCal/Kg	4444	0	4444.35
CCL [SFA] Landed Price	Rs/Ton	6018	0	6018.19
<b>WB Tailing</b>				

WB Tailing Coal in Mix	%	0.25%	0.00%	0.25%
WB Tailing GCV	kCal/Kg	4322	0	4321.85
WB Tailing coal Landed Price	Rs/Ton	5878	0	5878.00
<b>Equivalent GCV &amp; Landed Price of Coal</b>				
Equivalent GCV of Coal (CVPF)	kCal/Kg	3972.60	3825.67	61.93
Eq. GCV of Coal less Stacking Loss (Actual-85kCal/Kg)	kCal/Kg	3887.60		
Equivalent Landed Price of Coal (LPPF)	Rs/Ton	4209.03	3820.48	388.55
Rate of Energy Charge pertaining to Coal	Rs/kWh	3.095	2.766	0.33
Rate of Energy Charge pertaining to LDO	Rs/kWh	0.043	0.025	0.02
<b>Energy Charge Rate (ECR)</b>	<b>Rs/kWh</b>	<b>3.138</b>	<b>2.791</b>	0.35
Ex-Bus Generation	Mus	861.45	813.10	48.35
<b>Energy Charges</b>	<b>Rs Crore</b>	<b>270.32</b>	<b>226.92</b>	<b>43.40</b>

150. 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. 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 1<sup>st</sup> amendment to GTR 2020. Accordingly, Discounts for Unit 2 and Unit 3 work out as follows for Unit 2 and Unit 3:

**Table59: Projected Shakti Discount for FY 2024-25 - Unit # 2**

Particulars	UoM	Proposed	Approved in MYT Order	Difference
Sales due to CCL Shakti R3	MUs	225.31	356.29	(130.98)
Sales due to CCL Shakti R2	MUs	77.48	119.16	(41.68)
Sales due to CCL Shakti WIV	MUs	0.00	0.00	0.00
Sales due to MCL Shakti R2	MUs	82.61	93.55	(10.94)
Sales due to ECL Shakti R2	MUs	53.04	70.28	(17.24)
Discount Amount (@ Rs. 0.04/kWh Discount Rate) for Shakti R2	Rs Crore	0.85	1.13	(0.28)
Discount Amount (@ Rs. 0.07/kWh Discount Rate) for Shakti R3	Rs Crore	1.58	2.49	(0.92)
<b>Total SHAKTI DISCOUNT</b>	<b>Rs Crore</b>	<b>2.43</b>	<b>3.63</b>	<b>(1.20)</b>

**Table60: Projected Shakti Discount for FY 2023-24 - Unit # 3**

<b>Particulars</b>	<b>UoM</b>	<b>Proposed</b>	<b>Approved in MYT Order</b>	<b>Difference</b>
Sales due to CCL Shakti R3	MUs	278.66	358.03	(79.38)
Sales due to CCL Shakti R2	MUs	105.47	119.74	(14.27)
Sales due to CCL Shakti WIV	MUs	0.00		
Sales due to MCL Shakti R2	MUs	83.52	92.88	(9.36)
Sales due to ECL Shakti R2	MUs	68.92	68.78	0.14
Discount Amount (@ Rs. 0.04/kWh Discount Rate)	Rs Crore	1.03	1.13	(0.09)
Discount Amount (@ Rs. 0.07/kWh Discount Rate)	Rs Crore	1.95	2.51	(0.56)
<b>Total SHAKTI DISCOUNT</b>	Rs Crore	<b>2.98</b>	<b>3.63</b>	<b>(0.65)</b>

**E.4 FINANCIAL PERFORMANCE – FY 2024-25**

151. This section explains in detail the approved Additional Capitalization and Decapitalization for FY 2024-25, revised phasing for some of the approved Capital Expenditure schemes for FY 2024-25 and FY 2025-26 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 1<sup>st</sup> Amendment and the detailed computation of each of the components.

***E.4.1 Additional Capitalization for FY 2024-25 vis-à-vis Capitalization plan approved in the Order dated 06.06.2024 and revised phasing for some of the approved schemes***

152. The scheme-wise projected additional capitalization for FY 2024-25 compared to projection approved in the APR Order and the revised phasing for FY 2024-25 approved by the Hon'ble Commission vide Order dated 06.06.2024 have been presented hereunder for kind reference of the Hon'ble Commission. Reasons for the variation have already been provided in the true up section above of the instant petition and also in the Quarterly Report for 1<sup>st</sup> Quarter of FY 2024-25 for kind perusal and consideration of the Hon'ble Commission and, hence, not repeated here for sake of brevity.

**Table61: Projected Scheme-Wise Additional Capitalization and decapitalisaton (In Rs. Lakh) for FY 2024-25 - Unit # 2&3**

Sr . No.	Project Description	Total Proposed Cost (Lakh)	Used in Units	Apportioned Cost (Proposed) to U2&3(Lakh)	Revised Phasing for FY25 approved in Order dated 6.6.24 (ii)	Revised Phasing proposed For FY-25 (iii)	Proposed Decapitalis ation for FY-25
1	Hydraulic Auger for CHP (Carry Forward)	456.00	1,2,3, 4,5	200.00	200.00	0.00	0.00
2	Replacement of Dead Tank CT with Live Tank CT (Carry forward)	205.26	1,2,3, 4,5	89.98	89.98	11.26	3.15
3	Control Room AC System	633.5	2,3	633.5	0.00	129.13	36.17
4	Workshop machine Tools, Condition Monitoring tools & Mobile Environmental dust Extractor	200	1,2,3, 4,5	87.67	38.58	87.68	24.56
5	Turbine Parting Plane Bolts & Coupling Bolts	433.76	2	433.76	433.76	433.76	121.51
6	New Weigh Bridge for Bulker	112.04	1,2,3, 4,5	49.11	-	49.11	13.76
7	Multi-Layered Security System for Jojobera Power Plant.	275	1,2,3, 4,5	120.55	67.71	120.55	33.77
8	Spray Nozzle for Boiler	70	2	70.00	0.00	70.00	19.61
9	Upgradation of DAVR (Digital Automatic Voltage Regulator)	130	2	130.00	0.00	130.00	36.42
	<b>Total</b>	<b>2515.56</b>		<b>1814.57</b>	<b>1263.53</b>	<b>1031.49</b>	<b>288.96</b>

153. It is being humbly submitted that from the schemes presented in the above table, schemes at Sr. No. 2,3,4,6 and 7 have already been discussed in the true up section of this petition and are not repeated for the sake of brevity. The Hon'ble Commission is requested to refer the same and approve the capitalization proposed in FY 2025 against those schemes.

154. As regard the scheme at Sr. No. 1 i.e. **Hydraulic Auger for CHP**, the Petitioner humbly submits that this scheme had been approved by the Hon'ble Commission

vide Order dated 06.06.2024 for FY 2024-25 as Online Sampler System, considering the detailed justifications submitted by the Petitioner in the Petition for APR of FY 2024. In this regard, the Petitioner most humbly wishes to submit that the project phasing of the scheme has further changed as the technical team from Tata Power visited various sites to check auto sampler performance physically, for further accessing the suitability at our site condition. This activity has been time consuming but essential for ensuring the efficient utilization of the proposed scheme. Having completed the preparatory activities, the petitioner is expecting to complete the project by FY 2026. The Hon'ble Commission is requested to approve the same.

155. Further, the schemes at Sr. No. 5, 8 and 9 are the schemes for which the Commission has already approved the capitalization in FY 2025. The Petitioner most humbly submits that these schemes are expected to be completed as per approved phasing.

#### ***E.4.2 New Schemes proposed for FY 2025-26***

156. The Petitioner most respectfully request approval for additional schemes to enhance operational efficiency and reliability, with implementation and phasing planned for FY 2026. The Petitioner has already apprised the Hon'ble Commission regarding these schemes vide the Quarterly Report submitted for quarter ended 30.06.2024. Details of such additional capex schemes proposed for FY 2025-26 is discussed herein under with a request for kind approval of the Commission for these schemes:

##### ***a) Critical spare for compressor:***

157. Tata Power most respectfully wishes to highlight that the compressed air system is a crucial lifeline for the power plant. With time, the compressors which were installed at the Power Plant since Commissioning of Unit-2 and 3, have aged and developed various defects, such as high stage vibration, and other performance-related issues. These problems have impacted the reliability and availability of the compressors. In addition to the above, the compressor's control system has become obsolete, with no support available from the Original Equipment Manufacturer (OEM). Therefore, it is essential to replace both the Airends and its control system to ensure continued reliability and performance. The OEM recommendation for replacement of the Airends is enclosed herewith for the consideration of the Hon'ble Commission as ***Annexure P26***.

158. The Petitioner accordingly, proposes to capitalise spares for compressor amounting to 6.75 Cr. in FY 2025-26 under Regulation 14.3 of the JSERC GTR2020.

***b) Upgradation of DM plant***

159. The Petitioner would like to highlight that DM plant at Jojobera is over 24 years old, and the equipment has nearly reached the end of its useful life. There are no standby arrangements in place, and the condition of the vessels, pumps, rubber-lined piping, valves, instrument panels, PLCs, instruments, and cabling has deteriorated due to natural aging. Upgrading the plant is essential to improve its efficiency and reliability.

160. Therefore, DM plant upgradation with an estimated cost of Rs. 4.13 Cr, is being proposed to the Hon'ble Commission, with the expected capitalization in FY 2025-26 under Regulation 14.3 of the JSERC GTR2020.

***c) Upgradation of Boiler Lift***

161. The Petitioner humbly submits that the technology of the Boiler lift is outdated after nearly 20 years of the operation, making it increasingly difficult to source the necessary spare parts. It is pertinent to mention here that as per the Jharkhand Government Escalator Act-2017, it is mandated to replace the lift after a period of 20 years of its installation. Only after such replacement, the registration can be renewed. Accordingly, the Boiler lift upgradation with an estimated cost of Rs. 0.5 Cr, has been proposed with the expected capitalization in FY 2025-26 under Regulation 14.3 (b) of the JSERC GTR2020. The copy of Jharkhand Government Escalator Act-2017 is annexed for ready reference as ***Annexure P27***.

***d) Upgradation for Ash handling plant PLC***

162. The hardware provided by Honeywell for the Units2 and 3 at Tata Power Jojobera Ash Plant (Common PLC) is now obsolete, with the OEM having declared the system as outdated (Obsolescence of technology). As a result, the OEM no longer offers support to restore this critical system. Following the OEM's recommendation, an upgrade is necessary to enhance the reliability and availability of the ash handling system. To address this issue, the Petitioner proposes upgrading the system, with an estimated cost of Rs. 2.0 Cr with the expected capitalization in FY 2025-26 under Regulation 14.3 (c) of the JSERC GTR2020.

***e) Upgradation of cyber security system***

163. The Petitioner most humbly submits that, CEA, looking at the threats on Cyber Security, has been mandated to prepare guideline on cyber security in Power sector under the provision of regulation (10) of the Central Electricity Authority (Technical Standards for Connectivity to the Grid) (Amendment) Regulations, 2019. Guidelines on cyber security in the Power sector incorporating the cardinal principles has been prepared by CEA. In compliance to the provision of the above regulation, CEA (Cyber security in power sector) Guidelines, 2021 are issued for compliance by all entities.
164. As per above Guidelines, the equipment, system nearing end of life or obsolescence are required to be replaced. The relevant article 7(b) is reproduced below:

***“Article 7 Phasing out of Legacy System***

.....

*b) The Responsible Entity shall ensure that the Information Security Division shall draw the list of all communicable equipments/systems nearing end life or are left without support from OEM. Thereafter CISO shall identify equipment/systems to be phased out from the list drawn, firm up their replacement plan and put up the replacement plan for approval before the Board of Directors.”*

165. The Petitioner has conducted Cyber security audit for OT system through CERT-empaneled Auditors for one of the Unit to identify all critical, high and medium vulnerabilities. It is humbly submitted that capital investment is required to meet the gaps in the Cyber Security.
166. Considering all the aspects and CEA recommendations, and to overcome these threats, cyber security solution implementation is essential. Accordingly, the Petitioner has proposed for upgradation of cyber security system, with an estimated cost of Rs. 4.0 Cr under Regulation 14.3 (b) of the JSERC GTR2020, with the expected capitalization in FY 2025-26.

***E.4.3 Summary of Additional Capitalization in FY 2024-25***

167. The following Tables show the summary of projected additional Capitalization of FY 2024-25 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.

**Table62: Summary of Additional Capitalization - Unit # 2 - FY 2024-25 (Rs. Crore)**

Particulars	Proposed	Approved in MYT Order	Difference
Capitalization- Standalone	6.98	0.12	8.21
Capitalization- Apportioned for Common Facilities	1.34		
<b>Total Additional Capitalization</b>	<b>8.33</b>	<b>0.12</b>	<b>8.21</b>

**Table63: Summary of Additional Capitalization - Unit # 3 - FY 2024-25 (Rs. Crore)**

Particulars	Proposed	Approved in MYT Order	Difference
Capitalization- Standalone	0.65	0.12	1.87
Capitalization- Apportioned for Common Facilities	1.34		
<b>Total Additional Capitalization</b>	<b>1.99</b>	<b>0.12</b>	<b>1.87</b>

**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 decapitalization 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 2024-25. Considering revision in the Capitalization Phasing and Value of Certain Schemes, the revised decapitalization for FY 2023-26 is already provided in the ANNEXURE P11 for kind reference of the Hon'ble Commission.

169. Pursuant to above, the break-up of decapitalizations relating to Original Project Cost and Additional Capitalization for FY 2024-25 is presented in the Tables below:

**Table64: Breakup of Decapitalization (In Rs. Crore) Relating to Original Project cost and Add Cap for FY 2024-25 - U#2&3**

Particulars	Stand-alone Unit-2	Stand-alone Unit-3	Common allocated to U-2	Common allocated to U-3	Total
Add Cap	0.00	0.00	0.36	0.36	<b>0.72</b>
Original	1.96	0.18	0.02	0.02	<b>2.17</b>
<b>Total</b>	<b>1.96</b>	<b>0.18</b>	<b>0.38</b>	<b>0.38</b>	<b>2.89</b>

170. Accordingly, the Gross Fixed Assets of the Unit 2 and Unit 3 for FY 2024-25 work out as follows. Closing GFA of 2023-24 has been considered as opening for FY 2024-25.

**Table65: Gross Fixed Asset (In Rs. Crore) of Unit # 2 - FY 2024-25**

Particulars	Proposed	Approved in MYT Order
GFA at the beginning of FY 2024-25	496.57	504.83
Addition during FY 2024-25	8.33	0.12
Deletion During FY 2024-25 in Org Project Cost	-1.97	-0.04
Deletion During FY 2024-25 in Add Cap	-0.36	
<b>Closing GFA at the end of FY 2023-24</b>	<b>502.57</b>	<b>504.92</b>

**Table66: Gross Fixed Asset (In Rs. Crore) of Unit # 3 - FY 2024-25**

Particulars	Proposed	Approved in MYT Order
GFA at the beginning of FY 2024-25	480.98	490.54
Addition during FY 2024-25	1.99	0.12
Deletion During FY 2023-24 in Org Project Cost	-0.20	-0.04
Deletion During FY 2023-24 in Add Cap	-0.36	
<b>Closing GFA at the end of FY 2023-24</b>	<b>482.41</b>	<b>490.62</b>

#### ***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.

**Table67: Financing Structure of Additional Capitalization - Unit # 2 (Rs. Crore)**

Particulars	Proposed	Approved in MYT Order	Difference
Normative Debt Component (70% of Capitalized Cost)	5.83	0.08	5.74
Normative Equity Component (30% of Capitalized Cost)	2.50	0.04	2.46
<b>Total Additional Capitalization</b>	<b>8.33</b>	<b>0.12</b>	<b>8.21</b>

**Table68: Financing Structure of Additional Capitalization - Unit # 3 (Rs. Crore)**

Particulars	Proposed	Approved in MYT Order	Difference
Normative Debt Component (70% of Capitalized Cost)	1.39	0.08	1.31
Normative Equity Component (30% of Capitalized Cost)	0.60	0.04	0.56
<b>Total Additional Capitalization</b>	<b>1.99</b>	<b>0.12</b>	<b>1.87</b>

**E.5 ANNUAL FIXED COST – FY 2024-25**

172. As per Generation Tariff Regulations, 2020 read with GTR (1<sup>st</sup> Amendment) 2023, Annual Fixed Cost comprises of the 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 2024-25**

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 2024-25 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.

**Table69: Return on Equity (Pre-tax) (In Rs. Crore) for FY 2024-25 - Unit # 2**

Particulars	Proposed	Approved in MYT Order	Difference
Opening Equity	148.97	151.45	(2.48)
Addition	1.80	0.02	1.77
Closing Equity	150.77	151.47	(0.70)
Avg Equity	149.87	151.46	(1.59)
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%
<b>Return on Equity (Pre-Tax)</b>	<b>30.04</b>	<b>28.34</b>	<b>1.71</b>

**Table70: Return on Equity (Pre-tax) (In Rs. Crore) for FY 2024-25 - Unit # 3**

Particulars	Proposed	Approved in MYT Order	Difference
Opening Equity	144.29	147.16	(2.87)
Addition	0.43	0.02	0.41
Closing Equity	144.72	147.19	(2.46)
Avg Equity	144.51	147.17	(2.67)
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%
<b>Return on Equity (Pre-Tax)</b>	<b>28.97</b>	<b>27.53</b>	<b>1.43</b>

### ***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 2024-25, 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 2023-24 has been considered as the Opening loan for 2024-25. Further, interest Rate of 10.50% has been considered as Bank Rate plus 200 basis points as on 01.04.2024 i.e. 1<sup>st</sup> 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 2024-25 on Additional Capitalization is provided in the following Tables.

**Table71: Interest on Loan (In Rs. Crore) for FY 2024-25 - Unit # 2**

Particulars	Proposed	Approved in MYT Order	Difference
Opening Loan	9.91	15.99	(6.08)
Additional Capitalization during the year	8.33	0.12	8.21
Additional Loan due to addition during the year (70% of Add Cap)	5.83	0.08	5.74
Deletion during the year excluding deletion pertaining to Original Project Cost	-0.36	0.00	(0.36)
Adjustment due to deletion (reduction of outstanding loan)	0.00	0.00	0.00
Repayment (=Depreciation on Add Cap)	14.08	8.54	5.54
Closing Debt	1.66	7.53	(5.88)
Average Loan Balance	5.78	11.76	(5.98)
<b>Computation of IoL</b>			
Rate of Interest	10.50%	9.00%	
<b>Interest on Loan</b>	<b>0.61</b>	<b>1.06</b>	<b>(0.45)</b>

**Table72: Interest on Loan (In Rs. Crore) for FY 2024-25 - Unit # 3**

Particulars	Proposed	Approved in MYT Order	Difference
Opening Loan	14.64	8.81	5.83
Additional Capitalization during the year	1.99	0.12	1.87
Additional Loan due to addition during the year (70% of Add Cap)	1.39	0.08	1.31
Deletion during the year excluding deletion pertaining to Original Project Cost	-0.36	0.00	(0.36)
Adjustment due to deletion (reduction of outstanding loan)	0.00	0.00	0.00
Repayment (=Depreciation on Add Cap)	9.99	9.02	0.97
Closing Debt	6.05	-0.13	6.17
Average Loan Balance	10.34	4.34	6.00
<b>Computation of IoL</b>			
Rate of Interest	10.50%	9.00%	
<b>Interest on Loan</b>	<b>1.09</b>	<b>0.39</b>	<b>0.70</b>

**E.5.3 Depreciation for FY 2024-25**

177. Tata Power, for the purpose of the computation of Depreciation for FY 2024-25 has followed the approach as submitted for Truing-up of 2023-24 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 2024-25 is provided in the following Tables.

**Table73: Depreciation (In Rs. Crore) for FY 2024-25 - Unit # 2**

Particulars	Formulae	Original Project Cost	Add Cap	Total
		FY 25	FY 25	FY 25
Opening GFA	A	410.06	86.52	496.58
Addition (as proposed)	b1	7.04	2.29	9.33
Deletion (as proposed)	b2	1.97	-0.36	1.61
Closing GFA	$c = a+b1-b2$	415.12	89.17	504.29
Avg GFA	$d = (a+c)/2$	412.59	87.85	500.44
Depreciable Value (@90% of Closing GFA)	$e = dx90\%$	371.33	79.06	450.39
Cumulative depreciation recovered till beginning of the year	F	360.44	50.99	411.43
Less: Cumulative depreciation adjustment on account of Decapitalisation	g	1.50	0.08	1.58
Opening Cumulative Depreciation [Value, %]	$h = f-g$ $i = h/c$	358.94 87%	50.91 58%	409.85 82%
Balance Depreciable Value	$J=e-h$	12.39	28.15	40.54
Balance Useful life at the beginning of the year	$k=25-Age$	2.00	2.00	2.00
<b>Annual Depreciation (spread in balance useful life)</b>	$l=j/k$	<b>6.20</b>	<b>14.08</b>	<b>20.27</b>
Closing Cumulative Depreciation [Value]	$m=h-l$	365.13	64.99	430.12

**Table74: Depreciation (In Rs. Crore) for FY 2024-25 - Unit # 3**

Particulars	Formulae	Original Project Cost	Add Cap	Total
		FY 24	FY 24	FY 24
Opening GFA	A	399.76	81.23	480.98
Addition (as proposed)	b1	0.00	1.99	1.99
Deletion (as proposed)	b2	0.20	0.36	0.56
Closing GFA	$c = a+b1-b2$	399.56	82.86	482.41
Avg GFA	$d = (a+c)/2$	399.66	82.04	481.70
Depreciable Value (@90% of Closing GFA)	$e = x90\%$	359.69	73.84	433.53
Cumulative depreciation recovered till beginning of the year	f	342.57	43.94	386.50
Less: Cumulative depreciation adjustment on account of Decapitalisation	g	1.46	0.07	1.53
Opening Cumulative Depreciation [Value, %]	$h = f-g$	341.10	43.87	384.97
	$i = h/c$	85%	53%	80%
Balance Depreciable Value	$j=e-h$	18.59	29.97	48.56
Balance Useful life at the beginning of the year	$k=25-Age$	3	3	3
<b>Annual Depreciation (spread in balance useful life)</b>	$l=j/k$	<b>6.20</b>	<b>9.99</b>	<b>16.19</b>
Closing Cumulative Depreciation [Value]	$m=h-l$	347.30	53.86	401.15

**Table75: Summary of Depreciation (In Rs. Crore) for FY 2024-25 - Unit # 2**

Particulars	Proposed	Approved in MYT Order	Diff
Depreciation on Original Capital Cost	6.20	8.54	11.73
Depreciation on Additional Capitalizations	14.08		
<b>Total Depreciation during the year</b>	<b>20.27</b>	<b>8.54</b>	<b>11.73</b>

**Table76: Summary of Depreciation (In Rs. Crore) for FY 2024-25 - Unit # 3**

Particulars	Proposed	Approved in MYT Order	Diff
Depreciation on Original Capital Cost	6.20	9.02	7.17
Depreciation on Additional Capitalizations	9.99		
<b>Total Depreciation during the year</b>	<b>16.19</b>	<b>9.02</b>	<b>7.17</b>

**E.5.4 Operation & Maintenance Expenses for FY 2024-25**

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 true-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 2024-25, Petitioner has claimed the O&M Expenses in accordance with the approach followed earlier; Normative (for items at Sl. No (a) above) and estimated/approved projections (for items at Sl. No (b) above) in the MYT Order as explained below which are subject to true up later.

***a. Employee Expenses***

181. As elaborated in True-up section of FY 2024-24, 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 2024-25 claimed for the purpose of APR FY 2024-25 are summarized below for kind consideration of the Hon'ble Commission:

**Table77: Revised Employee Expenses (In Rs. Crore) for FY 2024-25 - Unit # 2&3**

Particulars	FY-21 (Base Year)	FY-22	FY-23	FY-24	FY-25
Employee Expenses	7.74	9.07	9.86	10.75	11.12
Employee Expenses	7.74	9.07	9.86	10.75	11.12

***b. R&M, Other A&G, HO & Legal Expenses***

182. As explained in true-up section, the actual inflation factor of FY 2024 (i.e. 3.72%) has been considered for the purpose of true-up with the growth factor of 1. It may be noted here that 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. As has been brought out in the True-Up Section of this petition, there has been no man power addition in the FY 2023-24. For APR FY 2024-25, the Petitioner has projected the addition in number of employees as 10 for the reasons stated above. Accordingly, growth rate is factored as 5.13% and escalation rate is considered 3.47 % as approved in MYT order. Therefore, to arrive at the Normative R&M Expenses, Other A&G Expenses, Legal Expenses and HO expenses for FY 2024-25, considering FY 2023-24 as a base value, inflation of 3.47% and with 5.13% growth factor is considered as multiplier for arriving at the Normative Expenses for FY 2024-25.

**Table78: Revised Normative Expenses (In Rs. Crore) for FY 2024-25 - Unit # 2&3**

Particulars	Unit 2		Unit 3	
	Approved in the MYT Order	Revised	Approved in the MYT Order	Revised
	FY 25	FY 25	FY 25	FY 25
R&M Expenses	21.02	21.07	19.48	19.53
A&G Expenses	7.05	7.07	6.61	6.63
Legal Expenses	0.01	0.01	0.01	0.01
HO Expenses	14.09	14.12	14.05	14.08

***c. Raw Water Charges***

183. Further, for the purpose of APR FY 2024-25, 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 Sept 24 and thereafter considering the weighted average consumption so far for remaining months as shown under the estimated Operational Performance for the year. 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 1<sup>st</sup> of April 2023. In terms of the revised notification, there are separate classifications for supply for industrial usage and supply for municipal purposes. 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.
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.

**Table79: Raw Water Expenses for FY 2024-25 - Unit # 2&3**

Particulars	Unit wise Water Consumption allocated based on generation (in m <sup>3</sup> )		Effective Water Rate for FY 2024-25(in Rs./m <sup>3</sup> )	Water Charges (in Rs. Cr.)	
	Unit 2 (a)	Unit 3 (b)		Unit 2	Unit 3
Base water charge rate	1985046	2221547	16.38	3.25	3.64
Water tax			14.88	2.95	3.31
<b>Total</b>			<b>31.26</b>	<b>6.21</b>	<b>6.94</b>
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			<b>6.21</b>	
Claim of Water Charges in Unit 2				<b>6.94</b>	

**d. Ash Disposal Expenses, Terminal Liabilities and Applications Fees**

186. Ash disposal expenses, Terminal Liabilities and Applications Fee/ Publication 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:

**Table80: Summary of O & M expenses for FY 2024-25 - Unit # 2 (Rs. Crore)**

Particulars	Proposed	Approved in MYT Order	Difference
<b>A: Items Allowed on Normative Basis</b>			
Employee Expenses excluding Terminal Liabilities	<b>11.05</b>	9.31	1.74
Repairs & Maintenance Expenses	21.07	21.02	0.05
Other Admin & General Expenses	7.07	7.05	0.02
Head Office Expenses	14.12	14.09	0.03
Legal Expenses	0.01	0.01	0.00
<b>B: Item Allowed on Actual Basis</b>			
Raw Water Expenses	6.21	6.22	(0.01)
Ash Disposal Expenses	5.05	5.05	0.00
Terminal Liabilities	0.92	0.92	0.00
Application fees and Publication Expenses	0.22	0.14	0.08
<b>O&amp;M Expenses</b>	<b>65.71</b>	<b>63.81</b>	<b>1.90</b>

**Table81: Summary of O & M expenses for FY 2024-25 - Unit # 3 (Rs. Crore)**

Particulars	Proposed	Approved in MYT Order	Difference
<b>A: Items Allowed on Normative Basis</b>			
Employee Expenses excluding Terminal Liabilities	11.12	9.31	1.81
Repairs & Maintenance Expenses	19.53	19.48	0.05
Other Admin & General Expenses	6.63	6.61	0.02
Head Office Expenses	14.08	14.05	0.03
Legal Expenses	0.01	0.01	0.00
<b>B: Item Allowed on Actual Basis</b>			
Raw Water Expenses	6.94	6.18	0.76
Ash Disposal Expenses	4.76	4.76	0.00
Terminal Liabilities	0.92	0.92	0.00
Application fees and Publication Expenses	0.22	0.14	0.08
<b>O&amp;M Expenses</b>	<b>63.67</b>	<b>61.46</b>	<b>2.21</b>

**E.5.5 Interest on Working Capital for FY 2024-25**

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 2024-25. Further, Rate of interest has been considered as the bank Rate as on 01.04.2024 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 2024-25 for the purpose of APR has been shown in the following Tables.

**Table82: Interest on Working Capital for FY 2024-25 - Unit # 2 (Rs. Crore)**

Particulars	Projected	Approved in MYT Order	Diff
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)	804.17	813.10	(8.94)
Rate of Energy Charges Pertaining to Coal (ii) (Rs/Kwh)	3.154	2.694	0.46
Coal Cost at Normative Availability [= (i)x(ii)]	<b>253.67</b>	219.04	34.63
LDO Cost at Normative Availability	3.49	2.02	1.47
Annual Fixed Charges (excluding Incentive) at Normative Availability	128.97	107.84	21.14
O&M Expenses	65.71	63.81	1.90
Working Capital as Maintenance Spares (at 20% of O&M Expenses)	13.14	12.76	0.38
Elements of Working Capital			
Working Capital as Coal Cost for 50 days	34.75	30.00	4.74
Working Capital as LDO Cost for 2 months	0.58	0.34	0.25
Working Capital as Receivables for 45 days	47.61	40.55	7.06
Working Capital as O&M Expenses for 1 month	5.48	5.32	0.16
Working Capital as Maintenance Spares (at 20% of O&M Expenses)	13.14	12.76	0.38
<b>Total Working Capital</b>	<b>101.56</b>	<b>88.97</b>	12.59
Computation of Interest on Working Capital			
Bank Rate as on 01.04.2024 +(3.5%)	12.15%	10.50%	0.02
<b>Interest on Working Capital</b>	<b>12.34</b>	<b>9.34</b>	3.00

**Table83: Interest on Working Capital for FY 2024-25 - Unit # 3 (Rs. Crore)**

Particulars	Projected	Approved in MYT Order	Diff
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)	804.17	813.10	(8.94)
Rate of Energy Charges Pertaining to Coal (ii) (Rs/Kwh)	3.095	2.766	0.33
Coal Cost at Normative Availability [= (i)x(ii)]	<b>248.87</b>	224.90	23.97
LDO Cost at Normative Availability	<b>3.47</b>	2.02	1.45
Annual Fixed Charges (excluding Incentive) at Normative Availability	121.92	107.84	14.08
O&M Expenses	63.67	61.46	2.21
Working Capital as Maintenance Spares (at 20% of O&M Expenses)	12.73	12.29	0.44
Elements of Working Capital			
Working Capital as Coal Cost for 50 days	34.09	30.81	3.28
Working Capital as LDO Cost for 2 months	0.58	0.34	0.24

Working Capital as Receivables for 45 days	46.14	41.27	4.87
Working Capital as O&M Expenses for 1 month	5.31	5.12	0.18
Working Capital as Maintenance Spares (at 20% of O&M Expenses)	12.73	12.29	0.44
<b>Total Working Capital</b>	<b>98.85</b>	<b>89.83</b>	9.02
Computation of Interest on Working Capital			
Bank Rate as on 01.04.2024 +(3.5%)	12.15%	10.50%	0.02
<b>Interest on Working Capital</b>	<b>12.01</b>	<b>9.43</b>	2.58

#### ***E.5.6 Incentive (Pre-Tax) FY 2024-25***

189. Incentive (pre-tax) for the purpose of APR 2024-25 is claimed as per Generation Tariff Regulations, 2020 and the submissions made in preceding paragraphs in Section D.

#### ***E.5.7 Annual Fixed Charges for FY 2024-25***

190. The various elements of Annual Fixed Charges for FY 2024-25 have been summarized in the following Tables. Tata Power humbly requests the Hon'ble Commission to approve the proposed Annual Fixed Charges for FY 2024-25 subject to revision in the final true-up subsequently.

**Table84: Annual Fixed Charges for FY 2024-25 - Unit # 2 (Rs. Crore)**

<b>Particulars</b>	<b>Proposed</b>	<b>Approved in MYT Order</b>	<b>Difference</b>
Depreciation	20.27	8.54	11.73
Interest on Loan	0.61	1.06	(0.45)
O&M Expenses	65.71	63.81	1.90
Return on Equity (Pre-Tax)	30.04	28.34	1.71
Interest on Working Capital	12.34	9.34	3.00
<b>Total Annual Fixed Charges (excluding Incentive)</b>	<b>128.97</b>	<b>111.09</b>	<b>17.89</b>
Incentive (Pre-Tax)	0.00	0.00	0.00
<b>Total Annual Fixed Charges</b>	<b>128.97</b>	<b>111.09</b>	<b>17.89</b>

**Table85: Annual Fixed Charges for FY 2024-25 - Unit # 3 (Rs. Crore)**

Particulars	Proposed	Approved in MYT Order	Difference
Depreciation	16.19	9.02	7.17
Interest on Loan	1.09	0.39	0.70
O&M Expenses	63.67	61.46	2.21
Return on Equity (Pre-Tax)	28.97	27.53	1.43
Interest on Working Capital	12.01	9.43	2.58
<b>Total Annual Fixed Charges (excluding Incentive)</b>	<b>121.92</b>	<b>107.84</b>	<b>14.08</b>
Incentive	3.83	0.00	3.83
<b>Total Annual Fixed Charges</b>	<b>125.75</b>	<b>107.84</b>	<b>17.91</b>

**E.5.8 Annual Revenue Requirement or FY 2024-25**

191. The expected Annual Revenue Requirement & Generation Tariff of Jojobera Unit 2 and Unit 3 for FY 2024-25 is summarized in the following Tables.

**Table86: Annual Revenue Requirement FY 2024-25 - Unit # 2**

Particulars	UoM	Proposed	Approved in MYT Petition	Difference
Depreciation	Rs Crore	20.27	8.54	11.73
Interest on Loan	Rs Crore	0.61	1.06	(0.45)
O&M Expenses	Rs Crore	65.71	63.81	1.90
Return on Equity (Pre-Tax)	Rs Crore	30.04	28.34	1.71
Interest on Working Capital	Rs Crore	12.34	9.34	3.00
<b>Total Annual Fixed Charges</b>	<b>Rs Crore</b>	<b>128.97</b>	<b>111.09</b>	<b>17.89</b>
Incentive (Pre-tax)	Rs Crore	0.00	0.00	0.00
<b>Annual Fixed Charges (including Incentive)</b>	<b>Rs Crore</b>	<b>128.97</b>	<b>111.09</b>	<b>17.89</b>
Energy Charge Rate	Rs/Kwh	3.198	2.719	0.48
<b>Energy Charges</b>	<b>Rs Crore</b>	<b>246.05</b>	<b>221.06</b>	<b>24.99</b>
Less: Discount as per [SHAKTI 2&3]	Rs Crore	2.43	3.63	(1.20)
<b>Total Annual Revenue Requirement</b>	<b>Rs Crore</b>	<b>372.59</b>	<b>328.52</b>	<b>44.08</b>

**Table87: Annual Revenue Requirement FY 2024-25 - Unit # 3**

<b>Particulars</b>	<b>UoM</b>	<b>Proposed</b>	<b>Approved in MYT Petition</b>	<b>Difference</b>
Depreciation	Rs Crore	16.19	9.02	7.17
Interest on Loan	Rs Crore	1.09	0.39	0.70
O&M Expenses	Rs Crore	63.67	61.46	2.21
Return on Equity (Pre-Tax)	Rs Crore	28.97	27.53	1.43
Interest on Working Capital	Rs Crore	12.01	9.43	2.58
<b>Total Annual Fixed Charges</b>	<b>Rs Crore</b>	<b>121.92</b>	<b>107.84</b>	<b>14.08</b>
Incentive	Rs Crore	3.83	0.00	3.83
<b>Annual Fixed Charges (including Incentive)</b>	<b>Rs Crore</b>	<b>125.75</b>	<b>107.84</b>	17.91
Energy Charge Rate	Rs/Kwh	3.138	2.791	0.35
<b>Energy Charges</b>	<b>Rs Crore</b>	<b>270.32</b>	<b>226.92</b>	<b>43.40</b>
Less: Discount as per [SHAKTI ]	Rs Crore	2.98	3.63	(0.65)
<b>Total Annual Revenue Requirement</b>	<b>Rs Crore</b>	<b>393.08</b>	<b>331.13</b>	<b>61.95</b>

192. Tata Power humbly prays to approve the above estimated Annual Revenue Requirement for the Purpose of APR FY 2024-25.

## 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	<p><u>Clause A10/9.3-JSERC Order dated 04.11.2022 &amp; Para 8.3 of Order dated 22.05.2023</u></p> <p><i>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"</i></p>	<p>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.</p> <p>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.</p> <p>A short note on various initiatives implemented in last few years and TSL Acknowledgement have already been submitted by the Petitioner in the previous Tariff petition. It is pertinent to mention here that since quantity of washery Coal (Washed coal from mines of TSL West Boakro) is getting nil 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 Regulations, this issue does not survive for present Petition.</p>

SL. No.	Directive	Status
2	<p><u>Clause A7/7.4 - JSERC Order dated 27.12.2019</u> <u>Clause A9/9.4- JSERC Order dated 14.02.2020</u>  <u>Clause A10/9.4- JSERC Order dated 04.11.2022</u> <u>Extract:</u>  <i>"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."</i></p>	Submitted in instant petition as ANNEXURE P28.
3	<p><u>Clause A9/9.5- JSERC Order dated 14.02.2020</u>  <u>Clause A10/9.4- JSERC Order dated 04.11.2022</u> <u>Extract:</u>  <i>"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."</i></p>	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 previous Petition detailed project report has been enclosed.
4	<p><u>Clause A9/9.6- JSERC Order dated 14.02.2020</u>  <u>Clause A10/9.4- JSERC Order dated 04.11.2022</u> <u>Extract:</u><i>"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 commission immediately."</i></p>	For FY 24, and for current years as well, All Add Cap Reports have been submitted to Hon'ble Commission. Hon'ble Commission has acknowledged the submission of quarterly reports for earlier years in the MYT Order. For FY 2024-25, Q1 Report has been submitted on 29.08.2024.

SL. No.	Directive	Status
5	<p><u>Clause A7/7.4 - JSERC Order dated 27.12.2019</u>  <u>Clause A10/9.4-JSERC Order dated 04.11.2022</u>  <u>Extract:</u><i>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."</i></p>	<p>This Directive is being complied through submission of quarterly ash utilization reports. All reports of FY 2023-24 including Q 1 of FY 2024-25 have been submitted.</p>
6	<p><u>Clause 7.1: JSERC Order dated 09.09.2020</u>  <u>Clause A10/9.4-JSERC Order dated 04.11.2022</u>  <u>Extract:</u> <i>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.</i></p>	<p>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.</p>
7	<p><u>Clause 7.2:JSERC Order dated 09.09.2020</u>  <u>Clause A10/9.4-JSERC Order dated 04.11.2022</u>  <u>Extract:</u>  <i>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.</i></p>	<p>Revised Phasing of Capex has been submitted in instant Petition.</p>
8	<p><u>Clause 7.3:JSERC Order dated 09.09.2020</u>  <u>Extract:</u><i>The Commission observed that both the Units (Unit-II &amp; 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.</i></p>	<p>Tata power is Planning for this activity on critical equipments in the annual shutdown. However, RLA for undertaking Renovation and Modernization of the 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.</p>

# ANNEXURES

## Annexure P1A-Tariff forms\_ True Up FY 2024

**Tata Power, Jojobera (Unit2 and Unit 3)**

**INDEX OF FORMATS**

	<b>Summary Formats</b>		<b>PARTICULARS</b>
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## Form S3 Annual Revenue Requirement

S. No.	Particulars	Reference Form	Control Period	Control Period
			FY 2023-24	FY 2023-24
			Unit-2	Unit-3
<b>A</b>	<b>Generation</b>			
1	Gross Generation (MU)	F3	878.51	834.78
2	Aux Consumption (%)	F3	8.75%	8.75%
3	Net Generation (MU)	F3	801.61	761.78
<b>B</b>	<b>Receipts</b>		<b>368.06</b>	<b>355.95</b>
1	Revenue from Sale of Power	F1	368.06	355.95
<b>C</b>	<b>Expenditure</b>			
1	Variable Costs, including Fuel Cost, LDO Cost	F3	249.02	237.29
2	O&M expenses		61.45	59.05
a	R&M Expense	F4	20.36	18.87
b	Employee Expenses	F5	10.83	10.83
c	A&G Expense	F6	30.26	29.36
d	Capital Spares	F17	0.00	0.00
3	Depreciation	F7	16.55	15.91
4	Less: Interest & other expenses capitalised	F9		
5	Return on Equity (pre-tax)	S4	29.70	
6	Interest on Loans	F8	1.40	28.76
7	Interest on Working Capital	F13	11.69	1.77
8	PLF Incentive(Pre-Tax)			11.57
<b>D</b>	<b>Annual Revenue Requirement (excluding Adjustments)</b>		<b>369.81</b>	
9	Less: Discount as per [SHAKTI 2&3]		3.83	<b>354.36</b>
10	Less: Gain on Operational Parameters[25%]		1.70	3.30
11	Less: Gain on O&M Expenses[50%]		1.12	1.87
12	Less: Non Tariff Income		1.75	1.12
<b>E</b>	<b>Annual Revenue Requirement after Adjustments</b>		<b>361.41</b>	<b>346.35</b>
14	Actual Revenue Recovered through Billing for FY24	Rs Cr	<b>349.07</b>	<b>335.40</b>
15	Revenue Gap/(Surplus)	Rs Cr	<b>12.33</b>	<b>10.96</b>
16	Add: Operational gain Shared	Rs Cr	<b>1.70</b>	<b>1.87</b>
17	Revenue Gap/(Surplus)	Rs Cr	<b>14.04</b>	<b>12.83</b>
18	Prevailing Bank Rate as on 1st April of 2023	%	<b>12.00%</b>	<b>12.00%</b>
19	Carrying Cost for 6 Months, i.e., upto 31.03.24	Rs Cr	<b>0.84</b>	<b>0.77</b>
20	Opening gap for FY 24-25	Rs Cr	<b>14.04</b>	<b>12.83</b>
21	Revenue to be recovered during 24-25	Rs Cr	<b>5.10</b>	<b>6.07</b>
22	Closing gap for FY 24-25	Rs Cr	<b>8.94</b>	<b>6.76</b>
23	Average outstanding for 24-25	Rs Cr	<b>11.49</b>	<b>9.79</b>
24	Prevailing Bank Rate as on 1st April 2024	%	<b>12.15%</b>	<b>12.15%</b>
25	Carrying Cost for FY 24-25	Rs Cr	<b>1.40</b>	<b>1.19</b>
26	<b>Proposed Revenue Gap/(Surplus) for FY 23-24 including carrying cost upto Mar24.</b>	<b>Rs Cr</b>	<b>11.18</b>	<b>8.71</b>

## Form-S4 Return on Equity

S. No	Particulars	Reference Form	Control Period	Control Period
			FY 2023-24	FY 2023-24
			Proposed	Proposed
			Unit-2	Unit-3
1	Equity (Opening Balance)	F7	147.38	142.70
2	Net additions during the year	F7	1.59	1.59
3	Equity (Closing Balance)		148.97	144.29
4	Rate of Return on Equity (post-tax)		15.0%	15.0%
5	Applicable Tax Rate		25.2%	25.2%
6	Rate of Pre tax rate RoE (t %)		20.045%	20.045%
7	Return on Opening Equity (Pre Tax)		29.54	28.60
8	Return on Additional Equity (Pre Tax)		0.16	0.16
	<b>Return on Equity (pre-tax)</b>		<b>29.70</b>	<b>28.76</b>

### Form S5 Summary of Generation Cost Unit 2&3

S. No.	Year	Net Generation	Fuel Cost		O&M Cost	Dep.	Int on Working Capital	Int on Loan	RoE (Pre-Tax)	Norm. LDO Cons	Incentive (Pre-Tax)***	Fixed Cost		Less: Shakti Discount	Less: Gain on Operational Performance	Less: Gain in O&M Exp	Less: Non-tariff Income	Total Cost		
			MU	Rs Cr								p/u	Rs Cr					Rs Cr	Rs Cr	Rs Cr
	Unit 2																			
2	FY 2023-24	801.61	249.02	310.65	61.45	16.55	11.69	1.40	29.70	0.00	0.00	119.04	148.50	3.83	1.70	1.12	1.75	368.06	459.15	
	Unit 3																			
2	FY 2023-24	761.78	237.29	311.50	59.05	15.91	11.57	1.77	28.76	0.00	0.00	118.66	155.77	3.30	1.87	1.12	1.71	355.95	467.27	

**Form F1: Revenue from Tariff & Charges**Revenue  
from Tariff  
& Charges

Form No: F1

S. No	Consumer	Arrears **		FY 2023-24				
		Arrears recovered for FY 16-17 in April 18	Arrears recovered for FY 17-18 in April 18	Units Sold	Fixed Charges#	Energy Charges	Fuel Cost Adjustment*	Total Charges**
		Rs Cr	Rs Cr	MU	Rs Cr	Rs Cr	Rs Cr	Rs Cr
1	Unit 2 to Tata Steel Limited			801.61	119.04	249.02	0.00	<b>368.06</b>
2	Unit 3 to Tata Steel Limited			761.78	115.36	237.29	0.00	<b>352.65</b>
	<b>Total</b>	<b>0.00</b>	<b>0.00</b>	<b>1563.39</b>	<b>234.40</b>	<b>486.31</b>	<b>0.00</b>	<b>720.71</b>

**Form-F2 Income from investments and other non-tariff income**

<b>Tata Power, Jojobera (Unit2 and Unit 3)</b>		
<b>Income from investments and other non-tariff income</b>		
<b>S. No</b>	<b>Particulars</b>	<b>Control Period</b>
		<b>FY 2023-24</b>
		<b>Proposed</b>
<b>A</b>	<b>Income from Investment, Fixed &amp; Call Deposits</b>	
1	Interest Income from Investments	
2	Interest on fixed deposits	
3	Interest from Banks other than Fixed Deposits	
4	Interest on any other items	
	<b>Sub-Total</b>	<b>0.00</b>
	<b>Unit 2</b>	
<b>B</b>	<b>Other Non Tariff Income</b>	
1	Interest on loans and Advances to staff	
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	
	<b>Sub-Total</b>	<b>0.00</b>
	<b>Unit 3</b>	
<b>C</b>	<b>Other Non Tariff Income</b>	
1	Interest on loans and Advances to staff	
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	
	<b>Sub-Total</b>	<b>1.71</b>
	<b>Total</b>	<b>3.46</b>

### Form F3: Generation Details: Fuel and Variable Cost

S. No	Year	Generation Details				Normative Values				
		Installed Capacity	Gross Generation	Aux Consumption		Net Generation	Aux Consumption	Availability, for full FC recovery	Station Heat Rate	Aux Consumption with PLF degradation compensation
		MW	MU	MU	%	MU	%	%	kCal / kWh	%
U2	FY 2023-24	120	878.51	76.90	8.75%	801.61	10.00%	85%	2567.00	0.10
U3	FY 2023-24	120	834.78	73.01	8.75%	761.78	10.00%	85%	2577.00	0.10

S. No	Station Heat Rate with PLF degradation compensation	Coal Consumption					
		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	
	kCal / kWh	Kcal/Kg	Kcal/Kg	kg / kWh	MMT/year	%	MMT/year
	2567.00	3726.9312	3641.93	0.7036	0.62	0.80%	0.0049
U2							
	2577.00	3703	3618	0.7110	0.59	0.80%	0.00
U3							

**Form F3: Generation Details: Fuel and Variable Cost (Continued..)**

	Secondary Oil Consumption		Coal Cost				Cost of Secondary Oil		Rate (Rs/MT)	Generation
			Rate (Rs/MT)	Generation	Transit Loss	Total				
	kl/ year	ml / kWh	Wtd Avg	Rs Cr	Rs Cr	Rs Cr	Rs / kl	Rs Cr	Rs/T	Rs Cr
Unit-2	439.26	0.50	3917.72	240.23	1.94	242.17	78440	3.45	0.00	0.00
Unit-3	417.39	0.50	3886.55	228.84	1.85	230.69	80157	3.35	0.00	0.00

	Energy Sent Out(Actual Aux)	Fuel Cost		Discount due to firing of SHAKTI Coal	Other Charges	Total Variable Cost w/o Shakti Dis
	MU	Rs Cr	P / U	Rs Cr	Rs Cr	Rs Cr
Unit-2	790.66	249.02	314.95	3.83		249.02
Unit-3	751.31	237.29	315.84	3.30		237.29

## Form-F4 Repair & Maintenance Expenditure

Tata Power, Jojobera (Unit2 and Unit 3)

Repair & Maintenance Expenditure

S. No	Particulars	Proposed	
		FY 2023-24	
		Unit 2	Unit 3
1	Plant and Machinery	20.36	18.87
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		
	<b>Total (1 to 11)</b>	<b>20.36</b>	<b>18.87</b>
12	Any other items (Capitalisation)		
13	R&M Cost for FGD System (inclusive of Manpower Cost)		
	<b>Total (12-13)</b>	<b>20.36</b>	<b>18.87</b>

## Form F5 Employee Expenses

	S.No	Particulars	Proposed	Proposed
			FY 2023-24	
			Unit 2	Unit 3
<b>A</b>		<b>Employee's Cost (Other Than Covered In 'C'&amp;'D')</b>		
	1	Salaries	10.16	10.16
	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		
		<b>Sub Total</b>	<b>10.16</b>	<b>10.16</b>
<b>B</b>		<b>Other Costs</b>		
	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		
		<b>Sub Total</b>	<b>0.00</b>	<b>0.00</b>
<b>C</b>		<b>Apprentice And Other Training Expenses</b>		
<b>D</b>		<b>Contribution To Terminal Benefits</b>	<b>0.67</b>	<b>0.67</b>
	1	Provident Fund Contribution	0.67	0.67
	2	Provision for PF Fund		
	3	Any Other Items (Other Retirals)		
<b>D</b>		<b>Grand Total</b>	<b>10.83</b>	<b>10.83</b>
<b>E</b>		Employee expenses capitalised		
<b>F</b>		<b>Net Employee expenses (D)-(E)</b>	<b>10.83</b>	<b>10.83</b>

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

## Form F6 Administration &amp; General Expenses

S.No	Particulars	Proposed	Proposed		
		FY 2023-24			
		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)			
	<b>Sub-Total 'A' (1 To 12)</b>	<b>0.00</b>	<b>0.00</b>		
<b>B. Other Charges</b>	1	HO Allocation	13.65	13.61	
	2	Printing And Stationery			
	3	Advertisement Expenses (Other Than Purchase Related) Exhibition & Demo + ARR Application Fee	0.13	0.13	
	4	Contributions/Donations To Outside Institutes / Associations			
	5	Miscellaneous Expenses			
	6	Water Charges*	5.90	5.62	
	7	Entertainment Charges			
	8	Ash Disposal Expense*	3.74	3.59	
	9	<b>Other A&amp;G Expenses</b>	<b>6.83</b>	<b>6.41</b>	
	<b>Sub-Total 'B' (1 To 9)</b>	<b>30.25</b>	<b>29.35</b>		
<b>C.</b>	<b>Legal Charges</b>	0.01	0.01		
<b>D.</b>	<b>Auditor's Fee</b>				
<b>E. Material Related Expenses</b>	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			
	<b>Sub Total 'E' (1 To 9)</b>	<b>0.00</b>	<b>0.00</b>		
<b>G.</b>	<b>Grand Total (A To F)</b>		<b>Total Charges</b>	<b>30.26</b>	<b>29.36</b>
	<b>Total Charges Chargeable To</b>		<b>Capital Works (-)</b>		
			<b>Revenue Expenses</b>	<b>30.26</b>	<b>29.36</b>

**Fixed Assets Form No. F7****Unit-2**

					Form No. F7 U2	
<b>S No</b>	<b>Control Period</b>					
	<b>FY 2023-24</b>					
	<b>Fixed Assets</b>					
	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
	<b>491.27</b>	<b>7.14</b>	<b>1.84</b>	<b>4.69</b>	<b>11.86</b>	<b>496.57</b>

**Unit-3**

					Form No. F7 U3	
<b>S No</b>	<b>Control Period</b>					
	<b>FY 2023-24</b>					
	<b>Fixed Assets</b>					
	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
	<b>475.67</b>	<b>7.14</b>	<b>1.83</b>	<b>6.56</b>	<b>9.36</b>	<b>480.98</b>

**Form 13 Interest on Working capital**

Sl. No.	Particulars	Proposed	Proposed
		FY 2023-24	FY 2023-24
		Unit-2	Unit-3
1.1	Cost of Coal	246.98	247.59
1.2	Cost of Coal for 50 days	33.74	33.82
2.1	Cost of Secondary Oil	3.51	3.59
2.2	Cost of Secondary Fuel Oil for 2 months	0.59	0.60
3.1	Cost of Lime Stone		
3.2	Cost of Lime Stone for 45 days	0.00	0.00
4.1	O&M expenses	61.45	59.05
4.2	R&M expenses	20.36	18.87
4.3	Employee expenses	10.83	10.83
4.4	A&G expense	30.26	29.36
4.5	Capital Spares	0.00	0.00
4.6	O&M expenses for 1 month	5.12	4.92
4.7	Receivables		
4.8	Annual Revenue from Tariff and charges	371.29	368.25
4.9	Receivables equivalent to 45 days billing	45.65	45.28
5.1	Maintenance Spares (@ 20% of O & M Expenses)	12.29	11.81
<b>5</b>	<b>Total Working Capital</b>	<b>97.39</b>	<b>96.43</b>
6	Rate of Interest *	12.00%	12.00%
<b>7</b>	<b>Interest on Working Capital</b>	<b>11.69</b>	<b>11.57</b>
			<b>Proposed</b>
*	The Interest rate for this purpose shall be Bank Rate as on 01.04.2023 +(3.5%)		

## Annexure P1B-Tariff forms\_ APR FY 2025

**Tata Power, Jojobera (Unit2 and Unit 3)**

**INDEX OF FORMATS**

	<b>Summary Formats</b>		<b>PARTICULARS</b>
3	Sheet	S3	Annual Revenue Requirement
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	<b>Detailed Financial Formats</b>		
6	Sheet	F1	Revenue from Tariff and Charges
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11	Sheet	F5	Employees' Cost & Provisions
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21	Sheet	F13	Working Capital Requirements

## Form S3 Annual Revenue Requirement

S. No.	Particulars	Reference Form	Control Period	Control Period
			FY 2024-25	FY 2024-25
			Proposed	Proposed
<b>A</b>	<b>Generation</b>		<b>Unit-2</b>	<b>Unit-3</b>
1	Gross Generation (MU)	F3	849.90	951.45
2	Aux Consumption (%)	F3	9.47%	9.46%
3	Net Generation (MU)	F3	769.42	861.45
<b>B</b>	<b>Receipts</b>		<b>375.02</b>	<b>399.04</b>
1	Revenue from Sale of Power	F1	375.02	399.04
<b>C</b>	<b>Expenditure</b>			
1	Variable Costs, including Fuel Cost, LDO Cost	F3	246.05	270.32
2	O&M expenses		65.71	63.67
a	R&M Expense	F4	21.07	19.53
b	Employee Expenses	F5	11.97	11.50
c	A&G Expense	F6	32.68	32.64
d	Capital Spares	F17	0.00	0.00
3	Depreciation	F7	20.27	16.19
4	Less: Interest & other expenses capitalised	F9		
5	Return on Equity (pre-tax)	S4	30.04	28.97
6	Interest on Loans	F8	0.61	1.09
7	Interest on Working Capital	F13	12.34	12.01
8	PLF Incentive(Pre-Tax)		0.00	3.83
<b>D</b>	<b>Annual Revenue Requirement (excluding Adjustments)</b>		<b>375.02</b>	<b>396.06</b>
9	Less: Discount as per [SHAKTI 2&3]		2.43	2.98
	Annual Revenue Requirement (after Shakti discount)		372.59	<b>393.08</b>

## Form-S4 Return on Equity

S. No	Particulars	Reference Form	Control Period	Control Period
			FY 2024-25	FY 2024-25
			Proposed	Proposed
			Unit-2	Unit-3
1	Equity (Opening Balance)	F7	148.97	144.29
2	Net additions during the year	F7	1.80	0.43
3	Equity (Closing Balance)		150.77	144.72
4	Rate of Return on Equity (post-tax)		15.0%	15.0%
5	Applicable Tax Rate		25.2%	25.2%
6	Rate of Pre tax rate RoE (t %)		20.045%	20.045%
7	Return on Opening Equity (Pre Tax)		29.86	28.92
8	Return on Additional Equity (Pre Tax)		0.18	0.04
	<b>Return on Equity (pre-tax)</b>		<b>30.04</b>	<b>28.97</b>

### Form S5 Summary of Generation Cost Unit 2&3

S. No.	Year	Net Generation	Fuel Cost		O&M Cost	Dep.	Int on Working Capital	Int on Loan	RoE (Pre-Tax)	Norm. LDO Cons	Incentive (Pre-Tax)***	Fixed Cost		Less: Shakti Discount	Less: Gain on Operational Performance	Less: Gain in O&M Exp	Less: Non-tariff Income	Total Cost		
			MU	Rs Cr								p/u	Rs Cr					Rs Cr	Rs Cr	Rs Cr
	Unit 2																			
2	FY 2024-25	769.42	246.05	319.79	65.71	20.27	12.34	0.61	30.04	0.00	0.00	0.00	128.97	2.43	1.70	1.12	1.75	375.02	487.41	
	Unit 3																			
2	FY 2024-25	861.45	270.32	313.79	63.67	16.19	12.01	1.09	28.97	0.00	2.98	3.83	128.73	2.98	1.87	1.12	1.71	399.04	463.22	

**Form F1: Revenue from Tariff & Charges**

Revenue from Tariff & Charges		Form No: F1					
S. No	Consumer	FY 2024-25					
			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		769.42	128.97	246.05	0.00	<b>375.02</b>
2	Unit 3 to Tata Steel Limited		861.45	128.73	270.32	0.00	<b>399.04</b>
	<b>Total</b>	<b>0.00</b>	<b>1630.87</b>	<b>257.70</b>	<b>516.37</b>	<b>0.00</b>	<b>774.07</b>



**Form F3: Generation Details: Fuel and Variable Cost (Continued..)**

	Secondary Oil Consumption		Coal Cost				Cost of Secondary Oil		Rate (Rs/MT)		Generation	
			Rate (Rs/MT)	Generation	Transit Loss	Total						
	kl/ year	ml / kWh	Wtd Avg	Rs Cr	Rs Cr	Rs Cr	Rs / kl	Rs Cr	Rs/T	Rs Cr		
Unit-2	424.95	0.50	4316.89	239.36	1.93	241.29	78140	3.32	0.00	0.00		
Unit-3	475.72	0.50	4209.03	262.89	2.12	265.01	77608	3.69	0.00	0.00		

	Energy Sent Out(Actual Aux)	Fuel Cost		Discount due to firing of SHAKTI Coal	Other Charges	Total Variable Cost w/o Shakti Dis
	MU	Rs Cr	P / U	Rs Cr	Rs Cr	Rs Cr
Unit-2	764.91	246.05	321.67	2.43		246.05
Unit-3	856.30	270.32	315.68	2.98		270.32

## Form-F4 Repair & Maintenance Expenditure

Tata Power, Jojobera (Unit2 and Unit 3)

Repair & Maintenance Expenditure

S. No	Particulars	Proposed	
		FY 2024-25	
		Unit 2	Unit 3
1	Plant and Machinery	21.07	19.53
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		
	<b>Total (1 to 11)</b>	<b>21.07</b>	<b>19.53</b>
12	Any other items (Capitalisation)		
13	R&M Cost for FGD System (inclusive of Manpower Cost)		
	<b>Total (12-13)</b>	<b>21.07</b>	<b>19.53</b>

## Form F5 Employee Expenses

	S.No	Particulars	Proposed	Proposed
			FY 2024-25	
			Unit 2	Unit 3
<b>A</b>		<b>Employee's Cost (Other Than Covered In 'C'&amp;'D')</b>		
	1	Salaries	11.05	10.58
	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		
		<b>Sub Total</b>	<b>11.05</b>	<b>10.58</b>
<b>B</b>		<b>Other Costs</b>		
	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		
		<b>Sub Total</b>	<b>0.00</b>	<b>0.00</b>
<b>C</b>		<b>Apprentice And Other Training Expenses</b>		
<b>D</b>		<b>Contribution To Terminal Benefits</b>	<b>0.92</b>	<b>0.92</b>
	1	Provident Fund Contribution	0.92	0.92
	2	Provision for PF Fund		
	3	Any Other Items (Other Retirals)		
<b>D</b>		<b>Grand Total</b>	<b>11.97</b>	<b>11.50</b>
<b>E</b>		Employee expenses capitalised		
<b>F</b>		<b>Net Employee expenses (D)-(E)</b>	<b>11.97</b>	<b>11.50</b>

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

## Form F6 Administration &amp; General Expenses

S.No	Particulars	Proposed	Proposed		
		FY 2023-24			
		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)			
	<b>Sub-Total 'A' (1 To 12)</b>	<b>0.00</b>	<b>0.00</b>		
<b>B. Other Charges</b>	1	HO Allocation	14.12	14.08	
	2	Printing And Stationery			
	3	Advertisement Expenses (Other Than Purchase Related) Exhibition & Demo + ARR Application Fee	0.22	0.22	
	4	Contributions/Donations To Outside Institutes / Associations			
	5	Miscellaneous Expenses			
	6	Water Charges*	6.21	6.94	
	7	Entertainment Charges			
	8	Ash Disposal Expense*	5.05	4.76	
	9	<b>Other A&amp;G Expenses</b>	<b>7.07</b>	<b>6.63</b>	
	<b>Sub-Total 'B' (1 To 9)</b>	<b>32.67</b>	<b>32.63</b>		
<b>C.</b>	<b>Legal Charges</b>	0.01	0.01		
<b>D.</b>	<b>Auditor's Fee</b>				
<b>E. Material Related Expenses</b>	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			
	<b>Sub Total 'E' (1 To 9)</b>	<b>0.00</b>	<b>0.00</b>		
<b>G.</b>	<b>Grand Total (A To F)</b>		<b>Total Charges</b>	<b>32.68</b>	<b>32.64</b>
	<b>Total Charges Chargeable To</b>		<b>Capital Works (-)</b>		
			<b>Revenue Expenses</b>	<b>32.68</b>	<b>32.64</b>

**Fixed Assets Form No. F7****Unit-2**

<b>Control Period</b>					
<b>FY 2024-25</b>					
<b>Fixed Assets</b>					
Opening GFA	Additional Capitalisation in FY 25	Deletion of assets FY 25	Depreciation (original project Cost)	Depreciation on Additional Capitalization FY 12-25	Closing GFA
<b>496.57</b>	<b>8.33</b>	<b>2.33</b>	<b>6.20</b>	<b>14.08</b>	<b>502.56</b>

**Unit-3**

<b>Control Period</b>					
<b>FY 2024-25</b>					
<b>Fixed Assets</b>					
Opening GFA	Additional Capitalisation in FY 25	Deletion of assets FY 25	Depreciation (original project Cost)	Depreciation on Additional Capitalization FY 12-25	Closing GFA
<b>480.98</b>	<b>1.99</b>	<b>0.56</b>	<b>6.20</b>	<b>9.99</b>	<b>482.41</b>

**Form 13 Interest on Working capital**

Sl. No.	Particulars	Proposed	Proposed
		FY 2024-25	FY 2024-25
		Unit-2	Unit-3
1.1	Cost of Coal	253.67	248.87
1.2	Cost of Coal for 50 days	34.75	34.09
2.1	Cost of Secondary Oil	3.49	3.47
2.2	Cost of Secondary Fuel Oil for 2 months	0.58	0.58
3.1	Cost of Lime Stone		
3.2	Cost of Lime Stone for 45 days	0.00	0.00
4.1	O&M expenses	65.71	63.67
4.2	R&M expenses	21.07	19.53
4.3	Employee expenses	11.97	11.50
4.4	A&G expense	32.68	32.64
4.5	Capital Spares	0.00	0.00
4.6	O&M expenses for 1 month	5.48	5.31
4.7	Receivables		
4.8	Annual Revenue from Tariff and charges	386.14	374.26
4.9	Receivables equivalent to 45 days billing	47.61	46.14
5.1	Maintenance Spares (@ 20% of O & M Expenses)	13.14	12.73
5	<b>Total Working Capital</b>	<b>101.56</b>	<b>98.85</b>
6	Rate of Interest *	12.15%	12.15%
7	<b>Interest on Working Capital</b>	<b>12.34</b>	<b>12.01</b>
			<b>Proposed</b>
*	The Interest rate for this purpose shall be Bank Rate as on 01.04.2023 +(3.5%)		

## ANNEXURE-P2 OPERATIONAL PERFORMANCE FY 2023-24

### Annexure P2a: Operational Parameters 2023-24 (Actual)

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	64.79	81.48	52.53	61.48	64.25	<b>878.51</b>
Availability	%	<b>99.56%</b>	<b>99.69%</b>	<b>99.53%</b>	<b>99.66%</b>	<b>99.05%</b>	<b>98.16%</b>	99.16%	99.13%	98.27%	79.66%	99.98%	99.83%	<b>97.61%</b>
PLF	%	93.46%	88.90%	97.38%	93.55%	96.68%	89.07%	70.49%	74.99%	91.26%	58.84%	73.61%	71.96%	<b>83.34%</b>
Aux Cons	MUs	6.28	6.45	7.11	7.23	6.96	6.77	6.05	6.01	7.21	5.02	5.75	6.07	<b>76.90</b>
Aux Cons	%	7.77%	8.13%	8.45%	8.66%	8.06%	8.80%	9.61%	9.27%	8.84%	9.55%	9.35%	9.45%	<b>8.75%</b>
<b>Heat Rate</b>	<b>Kcal/kWh</b>	<b>2527.40</b>	<b>2534.75</b>	<b>2534.63</b>	<b>2535.64</b>	<b>2536.12</b>	<b>2551.95</b>	<b>2549.27</b>	<b>2544.22</b>	<b>2528.24</b>	<b>2548.65</b>	<b>2543.49</b>	<b>2548.52</b>	<b>2539.37</b>
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	70.19	3.29	75.06	67.24	66.92	<b>834.78</b>
Availability	%	99.80%	98.66%	99.23%	99.84%	99.48%	99.88%	98.34%	99.95%	4.30%	99.77%	99.52%	98.64%	<b>91.32%</b>
PLF	%	98.26%	90.29%	90.66%	85.67%	88.05%	88.04%	86.33%	81.24%	3.68%	84.07%	80.51%	74.96%	<b>79.20%</b>
Aux Cons	MUs	6.78	6.83	6.74	6.87	7.00	6.74	6.78	6.18	0.74	6.49	5.82	6.04	<b>73.01</b>
Aux Cons	%	7.99%	8.47%	8.60%	8.99%	8.90%	8.86%	8.79%	8.80%	22.41%	8.64%	8.66%	9.03%	<b>8.75%</b>
<b>Heat Rate</b>	<b>Kcal/kWh</b>	<b>2525.32</b>	<b>2534.28</b>	<b>2536.80</b>	<b>2539.55</b>	<b>2539.89</b>	<b>2541.38</b>	<b>2539.38</b>	<b>2537.72</b>	<b>2650.27</b>	<b>2535.35</b>	<b>2538.16</b>	<b>2549.78</b>	<b>2538.13</b>



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
WB Tailing Cons.	Ton	60		878	3501	707	147	514	7	612	484	1610	2875	11395	1.91%
WB Tailing GCV	Kcal/Kg	4205		4195	4201	4201	4201	4205	4288	4295	4316	4318	4322	4258	
WB Tailing L.P.	Rs/MT	9220		7384	7384	7384	7384	7384	6061	5379	5741	5878	5878	6623	
ECL SFA Coal Cons	Ton											3353	2529	5882	0.98%
ECL SFA Coal GCV	Kcal/Kg											4822	4778	4803	
ECL SFA Coal L.P.	Rs/MT											7800	7800	7800	
Total Consumption	Ton	52817	53008	54312	58537	55219	55921	44982	44233	58396	37014	40062	43305	<b>59780</b> <b>6</b>	100 %
Wt. Avg GCV	Kcal/Kg	3864	3795	3926	3616	3964	3481	3560	3726	3527	3601	3903	3780	3727	
Wt. Avg Price	Rs/MT	4691	4298	4621	3730	3700	3223	3989	3591	3756	3611	4086	3640	3918	
Wt. Avg Price of Coal	Rs/MkCal	1214	1132	1177	1031	933	926	1121	964	1065	1003	1047	963	<b>1051</b>	

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 Cons.	Ton	29397	7211			1536	11323	6175	5153			1125	9488	71407	12.50%
Middling GCV	Kcal/Kg	4129	4127			4012	3520	3452	3446			4400	4158	3930	
Middling L.P	Rs/MT	5696	6915			4875	4643	4592	4588			4885	4465	5283	
CCL Shakti R3 Cons.	Ton	4899	4547	900	44085	27926	22305	17295	25203	2059	28773	19844	19843	217680	38.09%
CCL Shakti R3 GCV	Kcal/Kg	3675	3610	3760	3736	3801	3615	3456	3553	3500	3669	3904	3990	3712	
CCL Shakti R3 L.P.	Rs/MT	3350	3340	3965	3572	2883	2723	3600	2978	3841	3600	3518	3315	3300	
CCL Shakti WIV Cons.	Ton	8357	28726	6438	764								61	44346	7.76%
CCL Shakti WIV GCV	Kcal/Kg	4104	4027	3980	3842								1524	4028	
CCL Shakti WIV L.P.	Rs/MT	4833	4809	4848	4848								3315	4818	
CCL Shakti Cons.	Ton	3796	8479	17638	1161	11435	13398	17069	890					73866	12.93%
CCL Shakti Coal GCV	Kcal/Kg	3766	3351	3859	3832	3980	3620	3541	3344					3691	
CCL Shakti L.P.	Rs/MT	3870	3918	4054	3844	3035	3110	3864	3888					3651	
MCL Shakti Cons.	Ton	8929	3030	9907	4542	10184	8402	5456	18103		9601	13692	10803	102650	17.96%
MCL Shakti Coal GCV	Kcal/Kg	2957	3058	3040	2931	2823	2745	2841	2899		3028	2909	2822	2906	
MCL Shakti L.P.	Rs/MT	2745	2795	2833	2860	2901	2645	2732	2544	2451	2757	2717	2062	2657	

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
ECL Shakti Cons.	Ton	0	0	13422	541	2641	0	6842	629	75	9890	3596	63	37699	6.60%
ECL Shakti GCV	Kcal/Kg			4601	4692	4828		4713	4693	4693	4769	4898	1694	4708	
ECL Shakti L.P.	Rs/MT		0	5366	5847	5683		5834	5521	5902	5958	6060	6063	5706	
CCL SFA/eAuction	Ton	0	1463	0	0	0	0	0	0	0	0	0	0	1463	0.26%
CCL SFA/eAuctionGCV	Kcal/Kg		3168											3168	
CCL SFA/eAuction L.P.	Rs/MT		3525											3525	
WB Reject Cons	Ton			998	171									1169	0.20%
WB Reject Coal GCV	Kcal/Kg			1905	1905									1905	
WB Reject L.P.	Rs/MT			4519	4519									4519	
<b>Unit 2</b>	<b>UoM</b>			1873	1416	75	126	1461	2914		1966	2901	2287	15019	2.63%
WB Tailing Cons.	Ton			4196	4201	4201	4201	4214	4254		4303	4318	4322	4266	
WB Tailing GCV	Kcal/Kg			7384	7384	7384	7384	7384	6061	5379	5741	5878	5878	6392	
WB Tailing L.P.	Rs/MT											3785	2336	6121	1.07%
ECL SFA Coal Cons	Ton											4826	4778	4808	
ECL SFA Coal GCV	Kcal/Kg											7800	7800	7800	
ECL SFA Coal L.P.	Rs/MT	55378	53456	51176	52680	53797	55554	54298	52892	2134	50230	44943	44880	<b>57141</b> <b>8</b>	100%
<b>Total Consumption</b>	<b>Ton</b>	<b>3871</b>	<b>3820</b>	<b>3883</b>	<b>3686</b>	<b>3711</b>	<b>3467</b>	<b>3599</b>	<b>3367</b>	<b>3541</b>	<b>3788</b>	<b>3797</b>	<b>3795</b>	<b>3703</b>	
<b>Wt. Avg GCV</b>	<b>Kcal/Kg</b>	<b>4757</b>	<b>4678</b>	<b>4391</b>	<b>3664</b>	<b>3119</b>	<b>3206</b>	<b>4092</b>	<b>3202</b>	<b>3913</b>	<b>3987</b>	<b>4025</b>	<b>3624</b>	<b>3887</b>	
<b>Wt. Avg Price</b>	<b>Rs/MT</b>	<b>1229</b>	<b>1225</b>	<b>1131</b>	<b>994</b>	<b>841</b>	<b>925</b>	<b>1137</b>	<b>951</b>	<b>1105</b>	<b>1053</b>	<b>1060</b>	<b>955</b>	<b>1050</b>	
<b>Wt. Avg Price of Coal</b>	<b>Rs/MkCal</b>	<b>29397</b>	<b>7211</b>			<b>1536</b>	<b>11323</b>	<b>6175</b>	<b>5153</b>			<b>1125</b>	<b>9488</b>	<b>71407</b>	12.50%

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

<b>FY 2023-24</b>														
<b>Unit 2</b>	<b>UoM</b>	<b>Apr-23</b>	<b>May-23</b>	<b>Jun-23</b>	<b>Jul-23</b>	<b>Aug-23</b>	<b>Sep-23</b>	<b>Oct-23</b>	<b>Nov-23</b>	<b>Dec-23</b>	<b>Jan-24</b>	<b>Feb-24</b>	<b>Mar-24</b>	<b>Total</b>
LDO Cons.	KL	2.00	1.00	0.50	10.00	1.50	196.50	35.00	3.00	2.50	66.00	2.00	4.00	<b>324.00</b>
Generation	MU	80.75	79.37	84.14	83.52	86.32	76.95	62.93	64.79	81.48	52.53	61.48	64.25	<b>878.51</b>
LDO L.P.	Rs/KL	76464.00	76330.00	76330.00	75797.00	75379.00	77307.00	81771.17	82572.00	82572.00	80207.00	79651.00	79024.00	<b>78439.77</b>
Cal. Value	Kcal/L	9437.472	8854.72	8914.36	9255.48	9180	8830.36	8749.23	8644.35	8979.456	9202.00	8759.00	8967.00	<b>8916.67</b>
<b>Unit 3</b>	<b>UoM</b>	<b>Apr-23</b>	<b>May-23</b>	<b>Jun-23</b>	<b>Jul-23</b>	<b>Aug-23</b>	<b>Sep-23</b>	<b>Oct-23</b>	<b>Nov-23</b>	<b>Dec-23</b>	<b>Jan-24</b>	<b>Feb-24</b>	<b>Mar-24</b>	<b>Total</b>
LDO Cons.	KL	2.00	11.50	0.50	5.00	5.00	82.61	33.50	3.00	129.00	4.00	2.50	33.00	<b>311.61</b>
Generation	MU	84.90	80.61	78.33	76.49	78.61	76.07	77.08	70.19	3.29	75.06	67.24	66.92	<b>834.78</b>
LDO L.P.	Rs/KL	76464.00	76330.00	76330.00	75797.00	75379.00	77307.00	81771.17	82572.00	82572.00	80207.00	79651.00	79024.00	<b>80156.92</b>
Cal. Value	Kcal/L	9437.472	8854.72	8914.36	9255.48	9180	8830.36	8749.23	8644.35	8979.456	9202.00	8759.00	8967.00	<b>8917.60</b>

Monthly Plant Availability Factor (PAFM)						Doc No: Tata Power/TSL/LDC/Unit 2/2023-24/01
Monthly Plant Availability Factor (PAFM) - Unit 2, Jojobera Power Plant						Reference: Regulation 17.4 of JSERC Generation Tariff Regulations 2020
Unit		2	Month	Apr-23		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 <sub>i</sub> : Average Declared Capacity (in ex-bus MW), for the i <sup>th</sup> time block in such period; IC: Installed Capacity (in MW) of the generating station; N: Number of time blocks in the given period.
Sl. No.	Day	Total Declared Capacity during the Day (DCi) (MW)	Installed Capacity (IC) (MW)	Normative Aux. Power Consumption (%)	Availability (%)	
1	1-Apr-23	109.200	120.00	9.00%	100.00%	
2	2-Apr-23	108.616	120.00	9.00%	99.47%	
3	3-Apr-23	108.409	120.00	9.00%	99.28%	
4	4-Apr-23	109.200	120.00	9.00%	100.00%	
5	5-Apr-23	109.178	120.00	9.00%	99.98%	
6	6-Apr-23	108.721	120.00	9.00%	99.56%	
7	7-Apr-23	108.542	120.00	9.00%	99.40%	
8	8-Apr-23	108.334	120.00	9.00%	99.21%	
9	9-Apr-23	109.097	120.00	9.00%	99.91%	
10	10-Apr-23	108.750	120.00	9.00%	99.59%	
11	11-Apr-23	108.571	120.00	9.00%	99.42%	
12	12-Apr-23	109.200	120.00	9.00%	100.00%	
13	13-Apr-23	109.200	120.00	9.00%	100.00%	
14	14-Apr-23	108.885	120.00	9.00%	99.71%	
15	15-Apr-23	108.728	120.00	9.00%	99.57%	
16	16-Apr-23	109.004	120.00	9.00%	99.82%	
17	17-Apr-23	108.492	120.00	9.00%	99.35%	
18	18-Apr-23	108.528	120.00	9.00%	99.38%	
19	19-Apr-23	108.278	120.00	9.00%	99.16%	
20	20-Apr-23	108.555	120.00	9.00%	99.41%	
21	21-Apr-23	108.690	120.00	9.00%	99.53%	
22	22-Apr-23	108.153	120.00	9.00%	99.04%	
23	23-Apr-23	108.624	120.00	9.00%	99.47%	
24	24-Apr-23	108.546	120.00	9.00%	99.40%	
25	25-Apr-23	108.890	120.00	9.00%	99.72%	
26	26-Apr-23	108.448	120.00	9.00%	99.31%	
27	27-Apr-23	108.412	120.00	9.00%	99.28%	
28	28-Apr-23	108.700	120.00	9.00%	99.54%	
29	29-Apr-23	108.464	120.00	9.00%	99.33%	
30	30-Apr-23	109.021	120.00	9.00%	99.84%	
<b>Apr-23</b>		<b>108.714</b>	<b>120.00</b>	<b>9.00%</b>	<b>99.56%</b>	
<b>Monthly Availability of Unit 2 during April 2023</b>					<b>99.56%</b>	
<b>YTD April 2023 Availability of Unit 2</b>					<b>99.56%</b>	

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

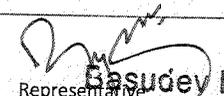
OK  
 31-07-2024  
 Charan Das  
 Representative  
 LDC, Tata Steel

The Tata Power Company Limited  
 Jojobera Power Plant, Jamshedpur-8310

Monthly Plant Availability Factor (PAFM)						Doc No: Tata Power/TSL/LDC/Unit 2/2023-24/02
Monthly Plant Availability Factor (PAFM) - Unit 2, Jojobera Power Plant						Reference: Regulation 17.4 of JSERC Generation Tariff Regulations 2020
Unit	2		Month	May-23		
Sl. No.	Day	Total Declared Capacity during the Day (DC) (MW)	Installed Capacity (IC) (MW)	Normative Aux. Power Consumption (%)	Availability (%)	
1	1-May-23	109.200	120.00	9.00%	100.00%	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: Average Declared Capacity (in ex-bus MW), for the <sup>th</sup> time block in such period; IC: Installed Capacity (in MW) of the generating station; N: Number of time blocks in the given period.
2	2-May-23	108.975	120.00	9.00%	99.79%	
3	3-May-23	108.255	120.00	9.00%	99.13%	
4	4-May-23	108.575	120.00	9.00%	99.43%	
5	5-May-23	108.592	120.00	9.00%	99.44%	
6	6-May-23	108.897	120.00	9.00%	99.72%	
7	7-May-23	109.116	120.00	9.00%	99.92%	
8	8-May-23	108.352	120.00	9.00%	99.22%	
9	9-May-23	108.629	120.00	9.00%	99.48%	
10	10-May-23	108.798	120.00	9.00%	99.63%	
11	11-May-23	108.366	120.00	9.00%	99.24%	
12	12-May-23	109.181	120.00	9.00%	99.98%	
13	13-May-23	108.692	120.00	9.00%	99.53%	
14	14-May-23	108.986	120.00	9.00%	99.80%	
15	15-May-23	108.634	120.00	9.00%	99.48%	
16	16-May-23	108.564	120.00	9.00%	99.42%	
17	17-May-23	108.897	120.00	9.00%	99.72%	
18	18-May-23	108.938	120.00	9.00%	99.76%	
19	19-May-23	108.927	120.00	9.00%	99.75%	
20	20-May-23	108.801	120.00	9.00%	99.63%	
21	21-May-23	108.973	120.00	9.00%	99.79%	
22	22-May-23	108.483	120.00	9.00%	99.34%	
23	23-May-23	108.743	120.00	9.00%	99.58%	
24	24-May-23	108.961	120.00	9.00%	99.78%	
25	25-May-23	109.200	120.00	9.00%	100.00%	
26	26-May-23	109.200	120.00	9.00%	100.00%	
27	27-May-23	109.200	120.00	9.00%	100.00%	
28	28-May-23	109.200	120.00	9.00%	100.00%	
29	29-May-23	109.170	120.00	9.00%	99.97%	
30	30-May-23	109.118	120.00	9.00%	99.93%	
31	31-May-23	109.200	120.00	9.00%	100.00%	
<b>May-23</b>		<b>108.865</b>	<b>120.00</b>	<b>9.00%</b>	<b>99.69%</b>	
YTD Availability of Unit 2 till April 2023					99.56%	
Monthly Availability of Unit 2 during May 2023					99.69%	
YTD May 2023 Availability of Unit 2					99.63%	

## 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  
 Chief - O&M  
 The Tata Power Company Limited  
 Jojobera Power Plant, Jamshedpur-831018

OK  
 31-01-2024  
 Charan Das  
 Manager LDC  
 Representative  
 LDC, Tata Steel

Monthly Plant Availability Factor (PAFM)

Doc No: Tata Power/TSL/LDC/Unit 2/2023-24/03

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

Reference: Regulation 17.4 of JSERC Generation Tariff Regulations 2020

Unit		2			
Sl. No.	Day	Total Declared Capacity during the Day (DCi) (MW)	Installed Capacity (IC) (MW)	Month	
				Jun-23	Availability (%)
1	1-Jun-23	109.200	120.00	9.00%	100.00%
2	2-Jun-23	109.152	120.00	9.00%	99.96%
3	3-Jun-23	109.200	120.00	9.00%	100.00%
4	4-Jun-23	109.150	120.00	9.00%	99.95%
5	5-Jun-23	108.365	120.00	9.00%	99.24%
6	6-Jun-23	108.777	120.00	9.00%	99.61%
7	7-Jun-23	108.886	120.00	9.00%	99.71%
8	8-Jun-23	108.700	120.00	9.00%	99.54%
9	9-Jun-23	108.600	120.00	9.00%	99.45%
10	10-Jun-23	108.334	120.00	9.00%	99.21%
11	11-Jun-23	108.731	120.00	9.00%	99.57%
12	12-Jun-23	108.637	120.00	9.00%	99.48%
13	13-Jun-23	108.089	120.00	9.00%	98.98%
14	14-Jun-23	108.749	120.00	9.00%	99.59%
15	15-Jun-23	108.842	120.00	9.00%	99.67%
16	16-Jun-23	108.656	120.00	9.00%	99.50%
17	17-Jun-23	108.418	120.00	9.00%	99.28%
18	18-Jun-23	108.734	120.00	9.00%	99.57%
19	19-Jun-23	108.764	120.00	9.00%	99.60%
20	20-Jun-23	108.894	120.00	9.00%	99.72%
21	21-Jun-23	108.672	120.00	9.00%	99.52%
22	22-Jun-23	108.712	120.00	9.00%	99.55%
23	23-Jun-23	108.771	120.00	9.00%	99.61%
24	24-Jun-23	108.232	120.00	9.00%	99.11%
25	25-Jun-23	108.821	120.00	9.00%	99.65%
26	26-Jun-23	108.454	120.00	9.00%	99.32%
27	27-Jun-23	108.298	120.00	9.00%	99.17%
28	28-Jun-23	108.509	120.00	9.00%	99.37%
29	29-Jun-23	108.802	120.00	9.00%	99.64%
30	30-Jun-23	108.539	120.00	9.00%	99.40%
Jun-23		108.690	120.00	9.00%	99.53%

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.

YTD Availability of Unit 2 till May 2023	99.63%
Monthly Availability of Unit 2 during June 2023	99.53%
YTD June 2023 Availability of Unit 2	99.59%

  
 Representative  
 Basudev Hansdah  
 Chief - O&M  
 The Tata Power Company Limited  
 Jojobera Power Plant, Jamshedpur-831004

OK  
  
 31-07-23  
 Charan Das  
 Representative  
 LDC, Tata Steel

Monthly Plant Availability Factor (PAFM)

Doc No: Tata Power/TSL/LDC/Unit 2/2023-24/04

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

Reference: Regulation 17.4 of JSERC Generation Tariff Regulations 2020

Unit		2			
Sl. No.	Day	Total Declared Capacity during the Day (DCi) (MW)	Month		
			Installed Capacity (IC) (MW)	Normative Aux. Power Consumption (%)	Availability (%)
Jul-23					
1	1-Jul-23	108.582	120.00	9.00%	99.43%
2	2-Jul-23	109.055	120.00	9.00%	99.87%
3	3-Jul-23	108.218	120.00	9.00%	99.10%
4	4-Jul-23	108.730	120.00	9.00%	99.57%
5	5-Jul-23	108.474	120.00	9.00%	99.34%
6	6-Jul-23	108.967	120.00	9.00%	99.79%
7	7-Jul-23	108.957	120.00	9.00%	99.78%
8	8-Jul-23	108.844	120.00	9.00%	99.67%
9	9-Jul-23	109.003	120.00	9.00%	99.82%
10	10-Jul-23	108.954	120.00	9.00%	99.78%
11	11-Jul-23	109.080	120.00	9.00%	99.89%
12	12-Jul-23	108.489	120.00	9.00%	99.35%
13	13-Jul-23	108.884	120.00	9.00%	99.71%
14	14-Jul-23	109.200	120.00	9.00%	100.00%
15	15-Jul-23	108.850	120.00	9.00%	99.68%
16	16-Jul-23	109.080	120.00	9.00%	99.89%
17	17-Jul-23	109.113	120.00	9.00%	99.92%
18	18-Jul-23	109.155	120.00	9.00%	99.96%
19	19-Jul-23	108.836	120.00	9.00%	99.67%
20	20-Jul-23	108.226	120.00	9.00%	99.11%
21	21-Jul-23	108.242	120.00	9.00%	99.12%
22	22-Jul-23	108.571	120.00	9.00%	99.42%
23	23-Jul-23	109.200	120.00	9.00%	100.00%
24	24-Jul-23	108.938	120.00	9.00%	99.76%
25	25-Jul-23	109.174	120.00	9.00%	99.98%
26	26-Jul-23	109.200	120.00	9.00%	100.00%
27	27-Jul-23	109.116	120.00	9.00%	99.92%
28	28-Jul-23	108.481	120.00	9.00%	99.34%
29	29-Jul-23	108.580	120.00	9.00%	99.43%
30	30-Jul-23	108.679	120.00	9.00%	99.52%
31	31-Jul-23	108.669	120.00	9.00%	99.51%
Jul-23		108.824	120.00	9.00%	99.66%

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: Average Declared Capacity (in ex-bus MW), for the i<sup>th</sup> 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.

YTD Availability of Unit 2 till June 2023	
Monthly Availability of Unit 2 during July 2023	99.59%
YTD July 2023 Availability of Unit 2	99.66%
	99.61%

*(Signature)*  
 Representative  
 Tata Power, Jojobera  
**Basudev Hansdah**  
 Chief - O&M  
 The Tata Power Company Limited  
 Jojobera Power Plant, Jamshedpur-831016

OK  
*(Signature)*  
 31-07-2024  
 charan Das  
 manager  
 LDC  
 Representative  
 LDC, Tata Steel

Monthly Plant Availability Factor (PAFM)						Doc No: Tata Power/TSL/LDC/Unit 2/2023-24/05
Monthly Plant Availability Factor (PAFM) - Unit 2, Jojobera Power Plant						Reference: Regulation 17.4 of JSERC Generation Tariff Regulations 2020
Unit		2	Month	Aug-23		
Sl. No.	Day	Total Declared Capacity during the Day (DC) (MW)	Installed Capacity (IC) (MW)	Normative Aux. Power Consumption (%)	Availability (%)	
1	1-Aug-23	108.640	120.00			
2	2-Aug-23	108.733	120.00	9.00%	99.49%	
3	3-Aug-23	108.046	120.00	9.00%	99.57%	
4	4-Aug-23	108.021	120.00	9.00%	98.94%	
5	5-Aug-23	108.218	120.00	9.00%	98.92%	
6	6-Aug-23	108.707	120.00	9.00%	99.10%	
7	7-Aug-23	109.031	120.00	9.00%	99.55%	
8	8-Aug-23	107.252	120.00	9.00%	99.85%	
9	9-Aug-23	106.744	120.00	9.00%	98.22%	
10	10-Aug-23	108.262	120.00	9.00%	97.75%	
11	11-Aug-23	109.006	120.00	9.00%	99.14%	
12	12-Aug-23	109.044	120.00	9.00%	99.82%	
13	13-Aug-23	109.064	120.00	9.00%	99.86%	
14	14-Aug-23	108.914	120.00	9.00%	99.88%	
15	15-Aug-23	108.071	120.00	9.00%	99.74%	
16	16-Aug-23	103.771	120.00	9.00%	98.97%	
17	17-Aug-23	107.278	120.00	9.00%	95.03%	
18	18-Aug-23	108.345	120.00	9.00%	98.24%	
19	19-Aug-23	108.315	120.00	9.00%	99.22%	
20	20-Aug-23	106.751	120.00	9.00%	99.19%	
21	21-Aug-23	108.296	120.00	9.00%	97.76%	
22	22-Aug-23	108.629	120.00	9.00%	99.17%	
23	23-Aug-23	108.333	120.00	9.00%	99.48%	
24	24-Aug-23	108.860	120.00	9.00%	99.21%	
25	25-Aug-23	108.815	120.00	9.00%	99.69%	
26	26-Aug-23	108.233	120.00	9.00%	99.65%	
27	27-Aug-23	108.598	120.00	9.00%	99.11%	
28	28-Aug-23	108.551	120.00	9.00%	99.45%	
29	29-Aug-23	108.306	120.00	9.00%	99.41%	
30	30-Aug-23	107.985	120.00	9.00%	99.18%	
31	31-Aug-23	108.269	120.00	9.00%	98.89%	
<b>Aug-23</b>		<b>108.164</b>	<b>120.00</b>	<b>9.00%</b>	<b>99.15%</b>	
<b>Aug-23</b>		<b>108.164</b>	<b>120.00</b>	<b>9.00%</b>	<b>99.05%</b>	
<b>YTD Availability of Unit 2 till July 2023</b>						<b>99.61%</b>
<b>Monthly Availability of Unit 2 during August 2023</b>						<b>99.05%</b>
<b>YTD August 2023 Availability of Unit 2</b>						<b>99.50%</b>

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<sub>i</sub>: Average Declared Capacity (in ex-bus MW), for the i<sup>th</sup> 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.

*CDS*

*[Signature]*  
**Basudev Hansdah**  
 Representative  
 Tata Power, Jojobera  
 The Tata Power Company Limited  
 Jojobera Power Plant, Jamshedpur-831016

*[Signature]*  
**Charan Das**  
 Manager  
 LDC  
 Representative  
 LDC, Tata Steel

Monthly Plant Availability Factor (PAFM)						Doc No: Tata Power/TSL/LDC/Unit 2/2023-24/06
Monthly Plant Availability Factor (PAFM) - Unit 2, Jojobera Power Plant						Reference: Regulation 17.4 of JSERC Generation Tariff Regulations 2020
Unit	2		Month	Sep-23		
Sl. No.	Day	Total Declared Capacity during the Day (DCi) (MW)	Installed Capacity (IC) (MW)	Normative Aux. Power Consumption (%)	Availability (%)	
1	1-Sep-23	108.514	120.00	9.00%	99.37%	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: Average Declared Capacity (in ex-bus MW), for the <sup>i</sup> th time block in such period; IC: Installed Capacity (in MW) of the generating station; N: Number of time blocks in the given period.
2	2-Sep-23	108.638	120.00	9.00%	99.49%	
3	3-Sep-23	108.906	120.00	9.00%	99.73%	
4	4-Sep-23	109.164	120.00	9.00%	99.97%	
5	5-Sep-23	108.830	120.00	9.00%	99.66%	
6	6-Sep-23	108.633	120.00	9.00%	99.48%	
7	7-Sep-23	108.297	120.00	9.00%	99.17%	
8	8-Sep-23	108.586	120.00	9.00%	99.44%	
9	9-Sep-23	108.649	120.00	9.00%	99.50%	
10	10-Sep-23	108.765	120.00	9.00%	99.60%	
11	11-Sep-23	84.865	120.00	9.00%	77.72%	
12	12-Sep-23	108.553	120.00	9.00%	99.41%	
13	13-Sep-23	107.464	120.00	9.00%	98.41%	
14	14-Sep-23	108.541	120.00	9.00%	99.40%	
15	15-Sep-23	108.983	120.00	9.00%	99.80%	
16	16-Sep-23	108.634	120.00	9.00%	99.48%	
17	17-Sep-23	108.930	120.00	9.00%	99.75%	
18	18-Sep-23	107.592	120.00	9.00%	98.53%	
19	19-Sep-23	105.171	120.00	9.00%	96.31%	
20	20-Sep-23	92.698	120.00	9.00%	84.89%	
21	21-Sep-23	108.666	120.00	9.00%	99.51%	
22	22-Sep-23	108.123	120.00	9.00%	99.01%	
23	23-Sep-23	106.364	120.00	9.00%	97.40%	
24	24-Sep-23	108.850	120.00	9.00%	99.68%	
25	25-Sep-23	109.200	120.00	9.00%	100.00%	
26	26-Sep-23	109.200	120.00	9.00%	100.00%	
27	27-Sep-23	109.200	120.00	9.00%	100.00%	
28	28-Sep-23	109.200	120.00	9.00%	100.00%	
29	29-Sep-23	109.200	120.00	9.00%	100.00%	
30	30-Sep-23	109.200	120.00	9.00%	100.00%	
<b>Sep-23</b>		<b>107.187</b>	<b>120.00</b>	<b>9.00%</b>	<b>98.16%</b>	
<b>YTD Availability of Unit 2 till August 2023</b>						<b>99.50%</b>
<b>Monthly Availability of Unit 2 during September 2023</b>						<b>98.16%</b>
<b>YTD September 2023 Availability of Unit 2</b>						<b>99.28%</b>

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  
**Basudev Hansdah**  
 Chief - O&M  
 The Tata Power Company Limited  
 Jojobera Power Plant, Jamshedpur-831011

OK  
 31-07-2024  
  
 Representative  
 LDC, Tata Steel

Monthly Plant Availability Factor (PAFM)

Doc No: Tata Power/TSL/LDC/Unit 2/2023-24/07

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

Reference: Regulation 17.4 of JSERC Generation Tariff Regulations 2020

Sl. No.	Unit Day	2			
		Total Declared Capacity during the Day (DCi) (MW)	Month Installed Capacity (IC) (MW)	Oct-23 Normative Aux. Power Consumption (%) Availability (%)	
1	1-Oct-23	109.200	120.00	9.00%	100.00%
2	2-Oct-23	109.200	120.00	9.00%	100.00%
3	3-Oct-23	109.200	120.00	9.00%	100.00%
4	4-Oct-23	109.200	120.00	9.00%	100.00%
5	5-Oct-23	109.200	120.00	9.00%	100.00%
6	6-Oct-23	109.200	120.00	9.00%	100.00%
7	7-Oct-23	109.200	120.00	9.00%	100.00%
8	8-Oct-23	109.200	120.00	9.00%	100.00%
9	9-Oct-23	109.200	120.00	9.00%	100.00%
10	10-Oct-23	109.200	120.00	9.00%	100.00%
11	11-Oct-23	109.200	120.00	9.00%	100.00%
12	12-Oct-23	109.200	120.00	9.00%	100.00%
13	13-Oct-23	109.020	120.00	9.00%	100.00%
14	14-Oct-23	109.200	120.00	9.00%	99.84%
15	15-Oct-23	109.200	120.00	9.00%	100.00%
16	16-Oct-23	108.992	120.00	9.00%	100.00%
17	17-Oct-23	109.200	120.00	9.00%	99.81%
18	18-Oct-23	109.200	120.00	9.00%	100.00%
19	19-Oct-23	109.200	120.00	9.00%	100.00%
20	20-Oct-23	109.200	120.00	9.00%	100.00%
21	21-Oct-23	109.200	120.00	9.00%	100.00%
22	22-Oct-23	109.200	120.00	9.00%	100.00%
23	23-Oct-23	109.200	120.00	9.00%	100.00%
24	24-Oct-23	109.200	120.00	9.00%	100.00%
25	25-Oct-23	109.103	120.00	9.00%	100.00%
26	26-Oct-23	99.342	120.00	9.00%	99.91%
27	27-Oct-23	91.000	120.00	9.00%	90.97%
28	28-Oct-23	109.200	120.00	9.00%	83.33%
29	29-Oct-23	109.200	120.00	9.00%	100.00%
30	30-Oct-23	109.200	120.00	9.00%	100.00%
31	31-Oct-23	109.200	120.00	9.00%	100.00%
<b>Oct-23</b>		<b>108.279</b>	<b>120.00</b>	<b>9.00%</b>	<b>99.16%</b>

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<sub>i</sub>: Average Declared Capacity (in ex-bus MW), for the i<sup>th</sup> time block in such period;  
 IC: Installed Capacity (in MW) of the generating station;  
 N: Number of time blocks in the given period.

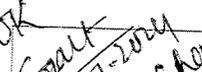
Reference: Regulation 13.18-13.19 of JSERC Grid Code Regulations 2008

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.

YTD Availability of Unit 2 till September 2023	
Monthly Availability of Unit 2 during October 2023	99.28%
YTD October 2023 Availability of Unit 2	99.16%
	99.26%

  
 Representa **Basudev Hansdah**  
 Tata Power, Jojobera  
 Chief O&M

OK  
  
 31-07-2024  
**Charan Das**  
 Representative  
 LDC, Tata Steel

The Tata Power Company Limited  
 Jojobera Power Plant, Jamshedpur-831016

Monthly Plant Availability Factor (PAFM)						Doc No: Tata Power/TSL/LDC/Unit 2/2023-24/08
Monthly Plant Availability Factor (PAFM) - Unit 2, Jobbera Power Plant						Reference: Regulation 17.4 of JSERC Generation Tariff Regulations 2020
Unit		2		Nov-23		
Sl. No.	Day	Total Declared Capacity during the Day (DCi) (MW)	Installed Capacity (IC) (MW)	Normative Aux. Power Consumption (%)	Availability (%)	
1	1-Nov-23	109.200	120.00	9.00%	100.00%	
2	2-Nov-23	86.450	120.00	9.00%	79.17%	
3	3-Nov-23	104.822	120.00	9.00%	95.99%	
4	4-Nov-23	108.978	120.00	9.00%	99.80%	
5	5-Nov-23	109.200	120.00	9.00%	100.00%	
6	6-Nov-23	109.001	120.00	9.00%	99.82%	
7	7-Nov-23	109.200	120.00	9.00%	100.00%	
8	8-Nov-23	109.200	120.00	9.00%	100.00%	
9	9-Nov-23	109.200	120.00	9.00%	100.00%	
10	10-Nov-23	109.200	120.00	9.00%	100.00%	
11	11-Nov-23	109.200	120.00	9.00%	100.00%	
12	12-Nov-23	109.200	120.00	9.00%	100.00%	
13	13-Nov-23	109.200	120.00	9.00%	100.00%	
14	14-Nov-23	109.200	120.00	9.00%	100.00%	
15	15-Nov-23	109.200	120.00	9.00%	100.00%	
16	16-Nov-23	109.200	120.00	9.00%	100.00%	
17	17-Nov-23	109.200	120.00	9.00%	100.00%	
18	18-Nov-23	109.200	120.00	9.00%	100.00%	
19	19-Nov-23	109.200	120.00	9.00%	100.00%	
20	20-Nov-23	109.200	120.00	9.00%	100.00%	
21	21-Nov-23	109.200	120.00	9.00%	100.00%	
22	22-Nov-23	109.200	120.00	9.00%	100.00%	
23	23-Nov-23	109.200	120.00	9.00%	100.00%	
24	24-Nov-23	109.200	120.00	9.00%	100.00%	
25	25-Nov-23	109.200	120.00	9.00%	100.00%	
26	26-Nov-23	109.200	120.00	9.00%	100.00%	
27	27-Nov-23	109.200	120.00	9.00%	100.00%	
28	28-Nov-23	109.200	120.00	9.00%	100.00%	
29	29-Nov-23	108.821	120.00	9.00%	99.65%	
30	30-Nov-23	108.622	120.00	9.00%	99.47%	
<b>Nov-23</b>		<b>108.250</b>	<b>120.00</b>	<b>9.00%</b>	<b>99.13%</b>	

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: Average Declared Capacity (in ex-bus MW), for the <sup>i</sup>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.

YTD Availability of Unit 2 till October 2023	99.26%
Monthly Availability of Unit 2 during November 2023	99.13%
YTD November 2023 Availability of Unit 2	99.24%

*Handwritten signature*  
**Basudev Hansdah**  
 Representative  
 Tata Power, Jobbera - O&M  
 The Tata Power Company Limited  
 Jobbera Power Plant, Jamshedpur-831016

*Handwritten signature*  
**Charan Das**  
 Representative  
 LDC, Tata Steel

Monthly Plant Availability Factor (PAFM)						Doc No: Tata Power/TSL/LDC/Unit 2/2023-24/09
Monthly Plant Availability Factor (PAFM) - Unit 2, Jojobera Power Plant						Reference: Regulation 17.4 of JSERC Generation Tariff Regulations 2020
Unit		2		Month		Dec-23
Sl. No.	Day	Total Declared Capacity during the Day (DCi) (MW)	Installed Capacity (IC) (MW)	Normative Aux. Power Consumption (%)	Availability (%)	
1	1-Dec-23	108.317	120.00	9.00%	99.19%	
2	2-Dec-23	106.984	120.00	9.00%	97.97%	
3	3-Dec-23	107.712	120.00	9.00%	98.64%	
4	4-Dec-23	107.635	120.00	9.00%	98.57%	
5	5-Dec-23	106.906	120.00	9.00%	97.90%	
6	6-Dec-23	107.419	120.00	9.00%	98.37%	
7	7-Dec-23	106.649	120.00	9.00%	97.66%	
8	8-Dec-23	106.620	120.00	9.00%	97.64%	
9	9-Dec-23	106.979	120.00	9.00%	97.97%	
10	10-Dec-23	107.094	120.00	9.00%	98.07%	
11	11-Dec-23	106.692	120.00	9.00%	97.70%	
12	12-Dec-23	106.518	120.00	9.00%	97.54%	
13	13-Dec-23	107.182	120.00	9.00%	98.15%	
14	14-Dec-23	107.656	120.00	9.00%	98.59%	
15	15-Dec-23	107.767	120.00	9.00%	98.69%	
16	16-Dec-23	108.000	120.00	9.00%	98.90%	
17	17-Dec-23	108.000	120.00	9.00%	98.90%	
18	18-Dec-23	108.000	120.00	9.00%	98.90%	
19	19-Dec-23	107.839	120.00	9.00%	98.75%	
20	20-Dec-23	108.000	120.00	9.00%	98.90%	
21	21-Dec-23	107.401	120.00	9.00%	98.35%	
22	22-Dec-23	107.665	120.00	9.00%	98.59%	
23	23-Dec-23	107.339	120.00	9.00%	98.30%	
24	24-Dec-23	107.239	120.00	9.00%	98.20%	
25	25-Dec-23	107.443	120.00	9.00%	98.39%	
26	26-Dec-23	106.772	120.00	9.00%	97.78%	
27	27-Dec-23	105.945	120.00	9.00%	97.02%	
28	28-Dec-23	107.164	120.00	9.00%	98.14%	
29	29-Dec-23	106.296	120.00	9.00%	97.34%	
30	30-Dec-23	107.234	120.00	9.00%	98.20%	
31	31-Dec-23	108.000	120.00	9.00%	98.90%	
<b>Dec-23</b>		<b>107.305</b>	<b>120.00</b>	<b>9.00%</b>	<b>98.27%</b>	
<b>YTD Availability of Unit 2 till November 2023</b>						<b>99.24%</b>
<b>Monthly Availability of Unit 2 during December 2023</b>						<b>98.27%</b>
<b>YTD December 2023 Availability of Unit 2</b>						<b>99.13%</b>

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 (%);  
 DCi: Average Declared Capacity (in ex-bus MW), for the <sup>i</sup>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.

*Basudev Hansdah*  
 Representative  
 Tata Power O&M  
 The Tata Power Company Limited  
 Jojobera Power Plant, Jamshedpur-831010

*OK*  
*31-07-2024*  
*Charan Das*  
 Representative  
 LDC, Tata Steel

Monthly Plant Availability Factor (PAFM)

Doc No: Tata Power/TSL/LDC/Unit 3/2023-24/01

Monthly Plant Availability Factor (PAFM) - Unit 3, Jojobera Power Plant

Reference: Regulation 17.4 of JSERC Generation Tariff Regulations 2020

Sl. No.	Unit	Day	Month			
			3	Apr-23	Apr-23	
			Total Declared Capacity during the Day (DCi) (MW)	Installed Capacity (IC) (MW)	Normative Aux. Power Consumption (%)	Availability (%)
1		1-Apr-23	109.074	120.00	9.00%	99.88%
2		2-Apr-23	109.151	120.00	9.00%	99.96%
3		3-Apr-23	109.023	120.00	9.00%	99.84%
4		4-Apr-23	109.101	120.00	9.00%	99.91%
5		5-Apr-23	109.177	120.00	9.00%	99.98%
6		6-Apr-23	108.980	120.00	9.00%	99.80%
7		7-Apr-23	109.048	120.00	9.00%	99.86%
8		8-Apr-23	109.036	120.00	9.00%	99.85%
9		9-Apr-23	109.033	120.00	9.00%	99.85%
10		10-Apr-23	108.824	120.00	9.00%	99.85%
11		11-Apr-23	109.170	120.00	9.00%	99.66%
12		12-Apr-23	109.200	120.00	9.00%	99.97%
13		13-Apr-23	109.013	120.00	9.00%	100.00%
14		14-Apr-23	109.075	120.00	9.00%	99.83%
15		15-Apr-23	108.878	120.00	9.00%	99.89%
16		16-Apr-23	108.878	120.00	9.00%	99.70%
17		17-Apr-23	108.955	120.00	9.00%	99.78%
18		18-Apr-23	108.994	120.00	9.00%	99.81%
19		18-Apr-23	108.819	120.00	9.00%	99.81%
20		19-Apr-23	108.718	120.00	9.00%	99.65%
21		20-Apr-23	108.759	120.00	9.00%	99.56%
22		21-Apr-23	109.120	120.00	9.00%	99.60%
23		22-Apr-23	108.929	120.00	9.00%	99.93%
24		23-Apr-23	108.621	120.00	9.00%	99.75%
25		24-Apr-23	108.955	120.00	9.00%	99.47%
26		25-Apr-23	109.020	120.00	9.00%	99.78%
27		26-Apr-23	108.985	120.00	9.00%	99.84%
28		27-Apr-23	109.120	120.00	9.00%	99.80%
29		28-Apr-23	109.125	120.00	9.00%	99.93%
30		29-Apr-23	108.982	120.00	9.00%	99.93%
		30-Apr-23	108.719	120.00	9.00%	99.80%
<b>Apr-23</b>			<b>108.987</b>	<b>120.00</b>	<b>9.00%</b>	<b>99.80%</b>

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: Average Declared Capacity (in ex-bus MW), for the 1<sup>st</sup> time block in such period;  
 IC: Installed Capacity (in MW) of the generating station;  
 N: Number of time blocks in the given period.

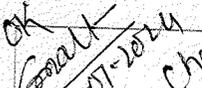
Reference: Regulation 13.18-13.19 of JSERC Grid Code Regulations 2008

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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 Availability of Unit 3 during April 2023	99.80%
YTD April 2023 Availability of Unit 3	99.80%

  
 Representative  
 Tata Power Jojobera  
**Basudev Hansdah**  
 Chief - O&M  
 The Tata Power Company Limited  
 Jojobera Power Plant, Jamshedpur-831016

  
 31-07-2024  
**Chaitanya**  
 manager  
 LDC  
 Representative  
 LDC, Tata Steel

Monthly Plant Availability Factor (PAFM)

Doc No: Tata Power/TSL/LDC/Unit 3/2023-24/02

Monthly Plant Availability Factor (PAFM) - Unit 3, Jojobera Power Plant					
Unit		3			
Sl. No.	Day	Total Declared Capacity during the Day (DC) (MW)	Installed Capacity (IC) (MW)	Month	
				Normative Aux. Power Consumption (%)	Availability (%)
May-23					
1	1-May-23	109.081	120.00	9.00%	99.89%
2	2-May-23	109.099	120.00	9.00%	99.91%
3	3-May-23	108.982	120.00	9.00%	99.80%
4	4-May-23	109.131	120.00	9.00%	99.94%
5	5-May-23	109.103	120.00	9.00%	99.91%
6	6-May-23	102.820	120.00	9.00%	94.16%
7	7-May-23	108.828	120.00	9.00%	99.66%
8	8-May-23	108.867	120.00	9.00%	99.69%
9	9-May-23	108.829	120.00	9.00%	99.66%
10	10-May-23	108.937	120.00	9.00%	99.76%
11	11-May-23	108.893	120.00	9.00%	99.72%
12	12-May-23	108.977	120.00	9.00%	99.80%
13	13-May-23	108.810	120.00	9.00%	99.64%
14	14-May-23	108.856	120.00	9.00%	99.69%
15	15-May-23	108.972	120.00	9.00%	99.79%
16	16-May-23	109.068	120.00	9.00%	99.88%
17	17-May-23	109.011	120.00	9.00%	99.83%
18	18-May-23	109.188	120.00	9.00%	99.99%
19	19-May-23	108.772	120.00	9.00%	99.61%
20	20-May-23	103.039	120.00	9.00%	94.36%
21	21-May-23	80.762	120.00	9.00%	73.96%
22	22-May-23	109.200	120.00	9.00%	100.00%
23	23-May-23	109.181	120.00	9.00%	99.98%
24	24-May-23	109.200	120.00	9.00%	100.00%
25	25-May-23	109.200	120.00	9.00%	100.00%
26	26-May-23	109.200	120.00	9.00%	100.00%
27	27-May-23	109.200	120.00	9.00%	100.00%
28	28-May-23	109.200	120.00	9.00%	100.00%
29	29-May-23	109.200	120.00	9.00%	100.00%
30	30-May-23	108.955	120.00	9.00%	99.78%
31	31-May-23	109.154	120.00	9.00%	99.96%
<b>May-23</b>		<b>107.733</b>	<b>120.00</b>	<b>9.00%</b>	<b>98.66%</b>

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: 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.

YTD Availability of Unit 3 till April 2023	
Monthly Availability of Unit 3 during May 2023	99.80%
YTD May 2023 Availability of Unit 3	98.66%
	99.22%

Representative  
 Basudev Hansdah  
 Tata Power, Jojobera  
 Chief O&M

DK  
 31-07-2023  
 Charan Das  
 manager  
 LDC  
 Representative  
 LDC, Tata Steel

Monthly Plant Availability Factor (PAFM)

Doc No: Tata Power/TSL/LDC/Unit 3/2023-24/03

Monthly Plant Availability Factor (PAFM) - Unit 3, Jojobera Power Plant

Reference: Regulation 17.4 of JSERC Generation Tariff Regulations 2020

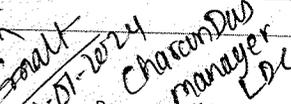
Unit		3		Month	
Sl. No.	Day	Total Declared Capacity during the Day (DCi) (MW)	Installed Capacity (IC) (MW)	Normative Aux. Power Consumption (%)	Availability (%)
1	1-Jun-23	109.200	120.00	9.00%	100.00%
2	2-Jun-23	109.056	120.00	9.00%	99.87%
3	3-Jun-23	109.135	120.00	9.00%	99.94%
4	4-Jun-23	109.200	120.00	9.00%	100.00%
5	5-Jun-23	109.200	120.00	9.00%	100.00%
6	6-Jun-23	109.154	120.00	9.00%	99.96%
7	7-Jun-23	109.027	120.00	9.00%	99.84%
8	8-Jun-23	108.909	120.00	9.00%	99.73%
9	9-Jun-23	108.902	120.00	9.00%	99.73%
10	10-Jun-23	108.965	120.00	9.00%	99.78%
11	11-Jun-23	109.083	120.00	9.00%	99.89%
12	12-Jun-23	109.183	120.00	9.00%	99.98%
13	13-Jun-23	109.087	120.00	9.00%	99.90%
14	14-Jun-23	108.941	120.00	9.00%	99.76%
15	15-Jun-23	109.035	120.00	9.00%	99.85%
16	16-Jun-23	108.999	120.00	9.00%	99.82%
17	17-Jun-23	109.200	120.00	9.00%	100.00%
18	18-Jun-23	89.294	120.00	9.00%	81.77%
19	19-Jun-23	109.058	120.00	9.00%	99.87%
20	20-Jun-23	108.664	120.00	9.00%	99.51%
21	21-Jun-23	108.815	120.00	9.00%	99.65%
22	22-Jun-23	108.951	120.00	9.00%	99.77%
23	23-Jun-23	108.594	120.00	9.00%	99.44%
24	24-Jun-23	108.761	120.00	9.00%	99.60%
25	25-Jun-23	109.132	120.00	9.00%	99.94%
26	26-Jun-23	109.127	120.00	9.00%	99.93%
27	27-Jun-23	108.913	120.00	9.00%	99.74%
28	28-Jun-23	109.197	120.00	9.00%	100.00%
29	29-Jun-23	109.124	120.00	9.00%	99.93%
30	30-Jun-23	108.873	120.00	9.00%	99.70%
<b>Jun-23</b>		<b>108.359</b>	<b>120.00</b>	<b>9.00%</b>	<b>99.23%</b>

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.

YTD Availability of Unit 3 till May 2023	
Monthly Availability of Unit 3 during June 2023	99.22%
YTD June 2023 Availability of Unit 3	99.23%
	99.22%

  
 Representative  
 Tata Power Jojobera  
**Basudev Hansdah**  
 Chief - O&M

OK  
 31-07-2024  
  
 Charan Das  
 Representative  
 LDC, Tata Steel

Monthly Plant Availability Factor (PAFM)						Doc No: Tata Power/TSL/LDC/Unit 3/2023-24/04
Monthly Plant Availability Factor (PAFM) - Unit 3, Jojobera Power Plant						Reference: Regulation 17.4 of JSERC Generation Tariff Regulations 2020
Unit	3	Month	Jul-23			
Sl. No.	Day	Total Declared Capacity during the Day (DCi) (MW)	Installed Capacity (IC) (MW)	Normative Aux. Power Consumption (%)	Availability (%)	<p>17.4 The Plant Availability Factor achieved for the month (PAFM) shall be computed in accordance with the following formula:</p> $PAFM = 100 \times \frac{\sum_{i=1}^N DC_i}{(N \times IC \times (1 - Aux))\%}$ <p>Where,                      Aux: Normative Auxiliary Energy Consumption (%);                      DC<sub>i</sub>: Average Declared Capacity (in ex-bus MW), for the i<sup>th</sup> time block in such period;                      IC: Installed Capacity (in MW) of the generating station;                      N: Number of time blocks in the given period.</p>
1	1-Jul-23	108.950	120.00	9.00%	99.77%	
2	2-Jul-23	109.148	120.00	9.00%	99.95%	
3	3-Jul-23	109.164	120.00	9.00%	99.97%	
4	4-Jul-23	109.157	120.00	9.00%	99.96%	
5	5-Jul-23	109.089	120.00	9.00%	99.90%	
6	6-Jul-23	109.169	120.00	9.00%	99.97%	
7	7-Jul-23	109.147	120.00	9.00%	99.95%	
8	8-Jul-23	109.001	120.00	9.00%	99.82%	
9	9-Jul-23	109.069	120.00	9.00%	99.88%	
10	10-Jul-23	109.019	120.00	9.00%	99.83%	
11	11-Jul-23	109.146	120.00	9.00%	99.95%	
12	12-Jul-23	109.141	120.00	9.00%	99.95%	
13	13-Jul-23	108.995	120.00	9.00%	99.81%	
14	14-Jul-23	109.200	120.00	9.00%	100.00%	
15	15-Jul-23	109.012	120.00	9.00%	99.83%	
16	16-Jul-23	109.146	120.00	9.00%	99.95%	
17	17-Jul-23	109.200	120.00	9.00%	100.00%	
18	18-Jul-23	109.135	120.00	9.00%	99.94%	
19	19-Jul-23	109.200	120.00	9.00%	100.00%	
20	20-Jul-23	109.200	120.00	9.00%	100.00%	
21	21-Jul-23	108.972	120.00	9.00%	99.79%	
22	22-Jul-23	109.126	120.00	9.00%	99.93%	
23	23-Jul-23	109.200	120.00	9.00%	100.00%	
24	24-Jul-23	108.991	120.00	9.00%	99.81%	
25	25-Jul-23	109.200	120.00	9.00%	100.00%	
26	26-Jul-23	109.200	120.00	9.00%	100.00%	
27	27-Jul-23	109.200	120.00	9.00%	100.00%	
28	28-Jul-23	109.200	120.00	9.00%	100.00%	
29	29-Jul-23	106.072	120.00	9.00%	97.14%	
30	30-Jul-23	109.200	120.00	9.00%	100.00%	
31	31-Jul-23	109.171	120.00	9.00%	99.97%	
<b>Jul-23</b>		<b>109.026</b>	<b>120.00</b>	<b>9.00%</b>	<b>99.84%</b>	
<b>YTD Availability of Unit 3 till June 2023</b>					<b>99.22%</b>	
<b>Monthly Availability of Unit 3 during July 2023</b>					<b>99.84%</b>	
<b>YTD July 2023 Availability of Unit 3</b>					<b>99.38%</b>	

**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.

*Handwritten signature*  
**Dhanraj Hansdah**  
 Representative - O&M  
 The Tata Power Company Limited  
 Jojobera Power Plant, Jamshedpur-831016

*Handwritten signature*  
**31-07-2024**  
**manager LDC**  
 Representative  
 LDC, Tata Steel

Monthly Plant Availability Factor (PAFM)						Doc No: Tata Power/TSL/LDC/Unit 3/2023-24/05
Monthly Plant Availability Factor (PAFM) - Unit 3, Jojobera Power Plant						Reference: Regulation 17.4 of JSERC Generation Tariff Regulations 2020
Unit	3		Month	Aug-23		
Sl. No.	Day	Total Declared Capacity during the Day (DCi) (MW)	Installed Capacity (IC) (MW)	Normative Aux. Power Consumption (%)	Availability (%)	
1	1-Aug-23	109.200	120.00	9.00%	100.00%	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 (%); DCi: Average Declared Capacity (in ex-bus MW), for the i <sup>th</sup> time block in such period; IC: Installed Capacity (in MW) of the generating station; N: Number of time blocks in the given period.
2	2-Aug-23	109.200	120.00	9.00%	100.00%	
3	3-Aug-23	109.200	120.00	9.00%	100.00%	
4	4-Aug-23	109.200	120.00	9.00%	100.00%	
5	5-Aug-23	109.137	120.00	9.00%	99.94%	
6	6-Aug-23	109.200	120.00	9.00%	100.00%	
7	7-Aug-23	109.043	120.00	9.00%	99.86%	
8	8-Aug-23	109.048	120.00	9.00%	99.86%	
9	9-Aug-23	108.190	120.00	9.00%	99.07%	
10	10-Aug-23	109.035	120.00	9.00%	99.85%	
11	11-Aug-23	109.200	120.00	9.00%	100.00%	
12	12-Aug-23	109.200	120.00	9.00%	100.00%	
13	13-Aug-23	109.200	120.00	9.00%	100.00%	
14	14-Aug-23	109.200	120.00	9.00%	100.00%	
15	15-Aug-23	109.200	120.00	9.00%	100.00%	
16	16-Aug-23	99.481	120.00	9.00%	91.10%	
17	17-Aug-23	108.921	120.00	9.00%	99.74%	
18	18-Aug-23	108.798	120.00	9.00%	99.63%	
19	19-Aug-23	109.200	120.00	9.00%	100.00%	
20	20-Aug-23	109.200	120.00	9.00%	100.00%	
21	21-Aug-23	106.002	120.00	9.00%	97.07%	
22	22-Aug-23	109.081	120.00	9.00%	99.89%	
23	23-Aug-23	109.156	120.00	9.00%	99.96%	
24	24-Aug-23	109.175	120.00	9.00%	99.98%	
25	25-Aug-23	109.118	120.00	9.00%	99.92%	
26	26-Aug-23	109.200	120.00	9.00%	100.00%	
27	27-Aug-23	109.155	120.00	9.00%	99.96%	
28	28-Aug-23	108.640	120.00	9.00%	99.49%	
29	29-Aug-23	108.603	120.00	9.00%	99.45%	
30	30-Aug-23	108.944	120.00	9.00%	99.77%	
31	31-Aug-23	108.381	120.00	9.00%	99.25%	
<b>Aug-23</b>		<b>108.629</b>	<b>120.00</b>	<b>9.00%</b>	<b>99.48%</b>	
<b>YTD Availability of Unit 3 till July 2023</b>						<b>99.38%</b>
<b>Monthly Availability of Unit 3 during August 2023</b>						<b>99.48%</b>
<b>YTD August 2023 Availability of Unit 3</b>						<b>99.40%</b>

**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.

**Gasudev Hansdah**  
 Representative  
 Chief - O&M  
 The Power Company Limited  
 Jojobera Power Plant, Jamshedpur-831016

OK  
 Email  
 31-07-2024  
 Manager  
 LDC  
 Representative  
 LDC, Tata Steel

Monthly Plant Availability Factor (PAFM)						Doc No: Tata Power/TSL/LDC/Unit 3/2023-24/06
Monthly Plant Availability Factor (PAFM) - Unit 3, Jojobera Power Plant						Reference: Regulation 17.4 of JSERC Generation Tariff Regulations 2020
Unit		3	Month	Sep-23		
Sl. No.	Day	Total Declared Capacity during the Day (DC) (MW)	Installed Capacity (IC) (MW)	Normative Aux. Power Consumption (%)	Availability (%)	<p>17.4 The Plant Availability Factor achieved for the month (PAFM) shall be computed in accordance with the following formula:</p> $PAFM = 100 \times \sum_{i=1}^N DC_i / (N \times IC \times (1 - Aux)) \%$ <p>Where,                      Aux: Normative Auxiliary Energy Consumption (%);                      DC: Average Declared Capacity (in ex-bus MW), for the <sup>i</sup>th time block in such period;                      IC: Installed Capacity (in MW) of the generating station;                      N: Number of time blocks in the given period.</p>
1	1-Sep-23	108.504	120.00	9.00%	99.36%	
2	2-Sep-23	109.051	120.00	9.00%	99.86%	
3	3-Sep-23	109.160	120.00	9.00%	99.96%	
4	4-Sep-23	108.935	120.00	9.00%	99.76%	
5	5-Sep-23	109.116	120.00	9.00%	99.92%	
6	6-Sep-23	109.111	120.00	9.00%	99.92%	
7	7-Sep-23	109.200	120.00	9.00%	100.00%	
8	8-Sep-23	109.196	120.00	9.00%	100.00%	
9	9-Sep-23	109.112	120.00	9.00%	99.92%	
10	10-Sep-23	109.191	120.00	9.00%	99.99%	
11	11-Sep-23	109.009	120.00	9.00%	99.83%	
12	12-Sep-23	109.115	120.00	9.00%	99.92%	
13	13-Sep-23	109.039	120.00	9.00%	99.85%	
14	14-Sep-23	108.934	120.00	9.00%	99.76%	
15	15-Sep-23	108.763	120.00	9.00%	99.60%	
16	16-Sep-23	109.044	120.00	9.00%	99.86%	
17	17-Sep-23	109.200	120.00	9.00%	100.00%	
18	18-Sep-23	109.131	120.00	9.00%	99.94%	
19	19-Sep-23	109.200	120.00	9.00%	100.00%	
20	20-Sep-23	109.200	120.00	9.00%	100.00%	
21	21-Sep-23	109.200	120.00	9.00%	100.00%	
22	22-Sep-23	108.734	120.00	9.00%	99.57%	
23	23-Sep-23	109.147	120.00	9.00%	99.95%	
24	24-Sep-23	109.147	120.00	9.00%	99.95%	
25	25-Sep-23	108.969	120.00	9.00%	99.79%	
26	26-Sep-23	108.846	120.00	9.00%	99.68%	
27	27-Sep-23	109.200	120.00	9.00%	100.00%	
28	28-Sep-23	109.200	120.00	9.00%	100.00%	
29	29-Sep-23	109.200	120.00	9.00%	100.00%	
30	30-Sep-23	109.200	120.00	9.00%	100.00%	
<b>Sep-23</b>		<b>109.068</b>	<b>120.00</b>	<b>9.00%</b>	<b>99.88%</b>	
<b>YTD Availability of Unit 3 till August 2023</b>					<b>99.40%</b>	
<b>Monthly Availability of Unit 3 during September 2023</b>					<b>99.88%</b>	
<b>YTD September 2023 Availability of Unit 3</b>					<b>99.48%</b>	

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.

*Sesudev Hansdah*  
 Representative Chief - O&M  
 Tata Power Company Limited  
 Jojobera Power Plant, Jamshedpur-831016

*OK*  
*Small*  
*31-01-2024*  
*Chetan Das*  
 Representative  
 LDC, Tata Steel

Monthly Plant Availability Factor (PAFM)						Doc No: Tata Power/TSL/LDC/Unit 3/2023-24/07
Monthly Plant Availability Factor (PAFM) - Unit 3, Jojobera Power Plant						Reference: Regulation 17.4 of JSERC Generation Tariff Regulations 2020
Unit		3		Month		Oct-23
Sl. No.	Day	Total Declared Capacity during the Day (DCi) (MW)	Installed Capacity (IC) (MW)	Normative Aux. Power Consumption (%)	Availability (%)	
1	1-Oct-23	109.200	120.00	9.00%	100.00%	<p>17.4 The Plant Availability Factor achieved for the month (PAFM) shall be computed in accordance with the following formula:</p> $PAFM = 100 \times \frac{\sum_{i=1}^N DC_i}{[N \times IC \times (1 - Aux)]} \%$ <p>Where,                      Aux: Normative Auxiliary Energy Consumption (%);                      DC<sub>i</sub>: Average Declared Capacity (in ex-bus MW), for the i<sup>th</sup> time block in such period;                      IC: Installed Capacity (in MW) of the generating station;                      N: Number of time blocks in the given period.</p>
2	2-Oct-23	109.200	120.00	9.00%	100.00%	
3	3-Oct-23	109.200	120.00	9.00%	100.00%	
4	4-Oct-23	109.200	120.00	9.00%	100.00%	
5	5-Oct-23	109.075	120.00	9.00%	99.89%	
6	6-Oct-23	109.183	120.00	9.00%	99.98%	
7	7-Oct-23	109.119	120.00	9.00%	99.93%	
8	8-Oct-23	109.200	120.00	9.00%	100.00%	
9	9-Oct-23	109.157	120.00	9.00%	99.96%	
10	10-Oct-23	108.850	120.00	9.00%	99.68%	
11	11-Oct-23	108.979	120.00	9.00%	99.80%	
12	12-Oct-23	108.713	120.00	9.00%	99.55%	
13	13-Oct-23	108.967	120.00	9.00%	99.79%	
14	14-Oct-23	109.014	120.00	9.00%	99.83%	
15	15-Oct-23	109.081	120.00	9.00%	99.89%	
16	16-Oct-23	108.881	120.00	9.00%	99.71%	
17	17-Oct-23	109.200	120.00	9.00%	100.00%	
18	18-Oct-23	109.024	120.00	9.00%	99.84%	
19	19-Oct-23	109.122	120.00	9.00%	99.93%	
20	20-Oct-23	109.197	120.00	9.00%	100.00%	
21	21-Oct-23	108.981	120.00	9.00%	99.80%	
22	22-Oct-23	109.200	120.00	9.00%	100.00%	
23	23-Oct-23	109.200	120.00	9.00%	100.00%	
24	24-Oct-23	109.200	120.00	9.00%	100.00%	
25	25-Oct-23	99.442	120.00	9.00%	91.06%	
26	26-Oct-23	86.373	120.00	9.00%	79.10%	
27	27-Oct-23	94.874	120.00	9.00%	86.88%	
28	28-Oct-23	102.723	120.00	9.00%	94.07%	
29	29-Oct-23	109.200	120.00	9.00%	100.00%	
30	30-Oct-23	109.143	120.00	9.00%	99.95%	
31	31-Oct-23	109.143	120.00	9.00%	99.95%	
<b>Oct-23</b>		<b>107.388</b>	<b>120.00</b>	<b>9.00%</b>	<b>98.34%</b>	
<b>YTD Availability of Unit 3 till September 2023</b>						<b>99.48%</b>
<b>Monthly Availability of Unit 3 during October 2023</b>						<b>98.34%</b>
<b>YTD October 2023 Availability of Unit 3</b>						<b>99.31%</b>

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.

*Basudev Hansdah*  
 Representative  
 Chief O&M  
 The Tata Power Company Limited  
 Jojobera Power Plant, Jamshedpur-831016

*OK Contact 31-10-23 Charan Dew*  
 Representative  
 LDC, Tata Steel

Monthly Plant Availability Factor (PAFM)						Doc No: Tata Power/TSL/LDC/Unit 3/2023-24/08
Monthly Plant Availability Factor (PAFM) - Unit 3, Jojobera Power Plant						Reference: Regulation 17.4 of JSERC Generation Tariff Regulations 2020
Unit		3	Month	Nov-23		
Sl. No.	Day	Total Declared Capacity during the Day (DC) (MW)	Installed Capacity (IC) (MW)	Normative Aux. Power Consumption (%)	Availability (%)	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: Average Declared Capacity (in ex-bus MW), for the <sup>i</sup> th time block in such period; IC: Installed Capacity (in MW) of the generating station; N: Number of time blocks in the given period.
1	1-Nov-23	109.200	120.00	9.00%	100.00%	
2	2-Nov-23	109.113	120.00	9.00%	99.92%	
3	3-Nov-23	109.142	120.00	9.00%	99.95%	
4	4-Nov-23	108.668	120.00	9.00%	99.51%	
5	5-Nov-23	109.150	120.00	9.00%	99.95%	
6	6-Nov-23	109.021	120.00	9.00%	99.84%	
7	7-Nov-23	109.068	120.00	9.00%	99.88%	
8	8-Nov-23	109.033	120.00	9.00%	99.85%	
9	9-Nov-23	109.155	120.00	9.00%	99.96%	
10	10-Nov-23	109.146	120.00	9.00%	99.95%	
11	11-Nov-23	109.200	120.00	9.00%	100.00%	
12	12-Nov-23	109.200	120.00	9.00%	100.00%	
13	13-Nov-23	109.200	120.00	9.00%	100.00%	
14	14-Nov-23	109.200	120.00	9.00%	100.00%	
15	15-Nov-23	108.921	120.00	9.00%	99.74%	
16	16-Nov-23	109.200	120.00	9.00%	100.00%	
17	17-Nov-23	109.144	120.00	9.00%	99.95%	
18	18-Nov-23	109.150	120.00	9.00%	99.95%	
19	19-Nov-23	109.200	120.00	9.00%	100.00%	
20	20-Nov-23	109.200	120.00	9.00%	100.00%	
21	21-Nov-23	109.200	120.00	9.00%	100.00%	
22	22-Nov-23	109.200	120.00	9.00%	100.00%	
23	23-Nov-23	109.200	120.00	9.00%	100.00%	
24	24-Nov-23	109.200	120.00	9.00%	100.00%	
25	25-Nov-23	109.200	120.00	9.00%	100.00%	
26	26-Nov-23	109.200	120.00	9.00%	100.00%	
27	27-Nov-23	109.167	120.00	9.00%	99.97%	
28	28-Nov-23	109.200	120.00	9.00%	100.00%	
29	29-Nov-23	109.200	120.00	9.00%	100.00%	
30	30-Nov-23	109.164	120.00	9.00%	99.97%	
<b>Nov-23</b>		<b>109.141</b>	<b>120.00</b>	<b>9.00%</b>	<b>99.95%</b>	
<b>YTD Availability of Unit 3 till October 2023</b>					<b>99.31%</b>	
<b>Monthly Availability of Unit 3 during November 2023</b>					<b>99.95%</b>	
<b>YTD November 2023 Availability of Unit 3</b>					<b>99.39%</b>	

**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

OK  
31-07-2024  
Glenn D'Almeida  
Manager LDC  
Representative  
LDC, Tata Steel

Monthly Plant Availability Factor (PAFM) - Unit 3, Jojobera Power Plant

Reference: Regulation 17.4 of JSERC Generation Tariff Regulations

Unit		3	Month	Dec-23	
Sl. No.	Day	Total Declared Capacity during the Day (DCi) (MW)	Installed Capacity (IC) (MW)	Normative Aux. Power Consumption (%)	Availability (%)
1	1-Dec-23	19.869	120.00	9.00%	18.20%
2	2-Dec-23	0.000	120.00	9.00%	0.00%
3	3-Dec-23	0.000	120.00	9.00%	0.00%
4	4-Dec-23	0.000	120.00	9.00%	0.00%
5	5-Dec-23	0.000	120.00	9.00%	0.00%
6	6-Dec-23	0.000	120.00	9.00%	0.00%
7	7-Dec-23	0.000	120.00	9.00%	0.00%
8	8-Dec-23	0.000	120.00	9.00%	0.00%
9	9-Dec-23	0.000	120.00	9.00%	0.00%
10	10-Dec-23	0.000	120.00	9.00%	0.00%
11	11-Dec-23	0.000	120.00	9.00%	0.00%
12	12-Dec-23	0.000	120.00	9.00%	0.00%
13	13-Dec-23	0.000	120.00	9.00%	0.00%
14	14-Dec-23	0.000	120.00	9.00%	0.00%
15	15-Dec-23	0.000	120.00	9.00%	0.00%
16	16-Dec-23	0.000	120.00	9.00%	0.00%
17	17-Dec-23	0.000	120.00	9.00%	0.00%
18	18-Dec-23	0.000	120.00	9.00%	0.00%
19	19-Dec-23	0.000	120.00	9.00%	0.00%
20	20-Dec-23	0.000	120.00	9.00%	0.00%
21	21-Dec-23	0.000	120.00	9.00%	0.00%
22	22-Dec-23	0.000	120.00	9.00%	0.00%
23	23-Dec-23	0.000	120.00	9.00%	0.00%
24	24-Dec-23	0.000	120.00	9.00%	0.00%
25	25-Dec-23	0.000	120.00	9.00%	0.00%
26	26-Dec-23	0.000	120.00	9.00%	0.00%
27	27-Dec-23	0.000	120.00	9.00%	0.00%
28	28-Dec-23	0.000	120.00	9.00%	0.00%
29	29-Dec-23	0.000	120.00	9.00%	0.00%
30	30-Dec-23	22.042	120.00	9.00%	20.18%
31	31-Dec-23	103.500	120.00	9.00%	94.78%
<b>Dec-23</b>		<b>4.691</b>	<b>120.00</b>	<b>9.00%</b>	<b>4.30%</b>

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: Average Declared Capacity (in ex-bus MW), for the i<sup>th</sup> 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.

YTD Availability of Unit 3 till November 2023	99.39%
Monthly Availability of Unit 3 during December 2023	4.30%
YTD December 2023 Availability of Unit 3	88.67%

Representative Tata Power, Jojobera	OK 31-07-2024 Chairman DDO Manager LDC Representative LDC, Tata Steel
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Monthly Plant Availability Factor (PAFM)						
Unit 2			Unit 2, Jojobera Power Plant			
Sl. No.	Day	Total Declared Capacity during the Day (DC) (MW)	Installed Capacity (MW)	Normative Aux. Power Consumption (%)	Availability (%)	Jan-24
1	1-Jan-24	108.000	120.00	10.00%	100.00%	
2	2-Jan-24	108.000	120.00	10.00%	100.00%	
3	3-Jan-24	108.000	120.00	10.00%	100.00%	
4	4-Jan-24	108.000	120.00	10.00%	100.00%	
5	5-Jan-24	108.000	120.00	10.00%	100.00%	
6	6-Jan-24	108.000	120.00	10.00%	100.00%	
7	7-Jan-24	108.000	120.00	10.00%	100.00%	
8	8-Jan-24	108.000	120.00	10.00%	100.00%	
9	9-Jan-24	108.000	120.00	10.00%	100.00%	
10	10-Jan-24	108.000	120.00	10.00%	100.00%	
11	11-Jan-24	108.000	120.00	10.00%	100.00%	
12	12-Jan-24	108.000	120.00	10.00%	100.00%	
13	13-Jan-24	108.000	120.00	10.00%	100.00%	
14	14-Jan-24	108.000	120.00	10.00%	100.00%	
15	15-Jan-24	108.000	120.00	10.00%	100.00%	
16	16-Jan-24	0.000	120.00	10.00%	0.00%	
17	17-Jan-24	0.000	120.00	10.00%	0.00%	
18	18-Jan-24	0.000	120.00	10.00%	0.00%	
19	19-Jan-24	0.000	120.00	10.00%	0.00%	
20	20-Jan-24	0.000	120.00	10.00%	0.00%	
21	21-Jan-24	0.000	120.00	10.00%	0.00%	
22	22-Jan-24	82.750	120.00	10.00%	76.62%	
23	23-Jan-24	107.975	120.00	10.00%	99.98%	
24	24-Jan-24	107.885	120.00	10.00%	99.89%	
25	25-Jan-24	107.774	120.00	10.00%	99.79%	
26	26-Jan-24	108.000	120.00	10.00%	100.00%	
27	27-Jan-24	108.000	120.00	10.00%	100.00%	
28	28-Jan-24	108.000	120.00	10.00%	100.00%	
29	29-Jan-24	101.109	120.00	10.00%	93.62%	
30	30-Jan-24	108.000	120.00	10.00%	100.00%	
31	31-Jan-24	107.500	120.00	10.00%	99.54%	
	Jan-24	86.032	120.00	10.00%	79.66%	

YTD Availability of Unit 2 till December 2023  
 Monthly Availability of Unit 2 during January 2024  
 YTD January 2024 Availability of Unit 2

Basudev Hansdah  
 Chief - Operations  
 The Tata Power Company Limited  
 Joint Development  
 Jejobera Power Plant, Jamshedpur-831016

Charan Das  
 Representative  
 LDC, Tata Steel

Prepared by  
 [Signature]

OK

Doc No: Tata Power/TSL/LDC/Unit 2/2023-24/10  
 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:

$$PAFM = \frac{100 \times \sum DC_i / (N \times IC \times (1 - Aux))}{F_i} \%$$

Where:  
 Aux: Normative Auxiliary Energy Consumption (%);  
 DC: Average Declared Capacity (in ex-plant MW), for the <sup>th</sup> 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. Cancellation of Grid Disturbance and its duration shall be done by SLDC.

13.19 Revision of declared capability by generators and requisition by Users / Distribution Licensees for the remaining period of the day will also be permitted with advance notice. Revised scheduled/declared capability in such cases shall become effective from the first 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 2/2023-24/11						
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 formulae:						
$PAFM = 100 \times \frac{\sum_{i=1}^N DC_i}{N \times IC \times (1 - Aux)} \%$						
Where:						
Aux: Normative Auxiliary Energy Consumption (%);						
DC: Average Declared Capacity (in ex-bus MW), for the <sup>th</sup> 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 generators) and requisition by Users / Distribution Licensees for the remaining period of the day will also be permitted with advance notice. Revised scheduled/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.						
Unit	Day	Total Declared Capacity during the Day (DCt) (MW)	Installed Capacity (MW)	Normative Aux. Power Consumption (%)	Availability (%)	Feb-24
1	1-Feb-24	108.000	120.00	10.00%	100.00%	100.00%
2	2-Feb-24	107.877	120.00	10.00%	99.89%	99.89%
3	3-Feb-24	108.000	120.00	10.00%	100.00%	100.00%
4	4-Feb-24	108.000	120.00	10.00%	100.00%	100.00%
5	5-Feb-24	108.000	120.00	10.00%	100.00%	100.00%
6	6-Feb-24	108.000	120.00	10.00%	100.00%	100.00%
7	7-Feb-24	108.000	120.00	10.00%	100.00%	100.00%
8	8-Feb-24	108.000	120.00	10.00%	100.00%	100.00%
9	9-Feb-24	108.000	120.00	10.00%	100.00%	100.00%
10	10-Feb-24	108.000	120.00	10.00%	100.00%	100.00%
11	11-Feb-24	107.966	120.00	10.00%	99.97%	99.97%
12	12-Feb-24	108.000	120.00	10.00%	100.00%	100.00%
13	13-Feb-24	108.000	120.00	10.00%	100.00%	100.00%
14	14-Feb-24	108.000	120.00	10.00%	100.00%	100.00%
15	15-Feb-24	108.000	120.00	10.00%	100.00%	100.00%
16	16-Feb-24	108.000	120.00	10.00%	100.00%	100.00%
17	17-Feb-24	108.000	120.00	10.00%	100.00%	100.00%
18	18-Feb-24	108.000	120.00	10.00%	100.00%	100.00%
19	19-Feb-24	108.000	120.00	10.00%	100.00%	100.00%
20	20-Feb-24	107.849	120.00	10.00%	99.86%	99.86%
21	21-Feb-24	107.931	120.00	10.00%	99.94%	99.94%
22	22-Feb-24	108.000	120.00	10.00%	100.00%	100.00%
23	23-Feb-24	107.888	120.00	10.00%	99.90%	99.90%
24	24-Feb-24	108.000	120.00	10.00%	100.00%	100.00%
25	25-Feb-24	108.000	120.00	10.00%	100.00%	100.00%
26	26-Feb-24	108.000	120.00	10.00%	100.00%	100.00%
27	27-Feb-24	107.927	120.00	10.00%	99.93%	99.93%
28	28-Feb-24	108.000	120.00	10.00%	100.00%	100.00%
29	29-Feb-24	108.000	120.00	10.00%	100.00%	100.00%
Feb-24		107.981	120.000	10.00%	99.98%	99.98%
YTD Availability of Unit 2 till January 2024						
Monthly Availability of Unit 2 during February 2024						
YTD February 2024 Availability of Unit 2						
					97.27%	97.27%
					99.95%	99.95%
					97.51%	97.51%

OK

Handwritten signature and stamp:   
 Representative   
 LDC, Tata Steel

Basudev Hansdah   
 CEO   
 Tata Power Jojobera Power Plant Limited   
 The Tata Power Jojobera Power Plant, Jajpur-831016

Prepared By   
 [Signature]

Monthly Plant Availability Factor (PAFM) - Unit 2, Jojobera Power Plant						Reference: Regulation 17.4 of JSERC Generation Tariff Regulations 2020
Unit		2	Month	Mar-24		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: Average Declared Capacity (in ex-bus MW), for the <sup>i</sup> th time block in such period; IC: Installed Capacity (in MW) of the generating station; N: Number of time blocks in the given period.
Sl. No.	Day	Total Declared Capacity during the Day (DCi) (MW)	Installed Capacity (IC) (MW)	Normative Aux. Power Consumption (%)	Availability (%)	
1	1-Mar-24	108.000	120.00	10.00%	100.00%	
2	2-Mar-24	108.000	120.00	10.00%	100.00%	
3	3-Mar-24	108.000	120.00	10.00%	100.00%	
4	4-Mar-24	108.000	120.00	10.00%	100.00%	
5	5-Mar-24	108.000	120.00	10.00%	100.00%	
6	6-Mar-24	107.792	120.00	10.00%	99.81%	
7	7-Mar-24	108.000	120.00	10.00%	100.00%	
8	8-Mar-24	108.000	120.00	10.00%	100.00%	
9	9-Mar-24	108.000	120.00	10.00%	100.00%	
10	10-Mar-24	108.000	120.00	10.00%	100.00%	
11	11-Mar-24	108.000	120.00	10.00%	100.00%	
12	12-Mar-24	108.000	120.00	10.00%	100.00%	
13	13-Mar-24	108.000	120.00	10.00%	100.00%	
14	14-Mar-24	108.000	120.00	10.00%	100.00%	
15	15-Mar-24	108.000	120.00	10.00%	100.00%	
16	16-Mar-24	108.000	120.00	10.00%	100.00%	
17	17-Mar-24	108.000	120.00	10.00%	100.00%	
18	18-Mar-24	107.947	120.00	10.00%	99.95%	
19	19-Mar-24	108.000	120.00	10.00%	100.00%	
20	20-Mar-24	108.000	120.00	10.00%	100.00%	
21	21-Mar-24	108.000	120.00	10.00%	100.00%	
22	22-Mar-24	108.000	120.00	10.00%	100.00%	
23	23-Mar-24	107.937	120.00	10.00%	99.94%	
24	24-Mar-24	108.000	120.00	10.00%	100.00%	
25	25-Mar-24	108.000	120.00	10.00%	100.00%	
26	26-Mar-24	108.000	120.00	10.00%	100.00%	
27	27-Mar-24	108.000	120.00	10.00%	100.00%	
28	28-Mar-24	108.000	120.00	10.00%	100.00%	
29	29-Mar-24	108.000	120.00	10.00%	100.00%	
30	30-Mar-24	102.686	120.00	10.00%	95.08%	
31	31-Mar-24	108.000	120.00	10.00%	100.00%	
<b>Mar-24</b>		<b>107.818</b>	<b>120.00</b>	<b>10.00%</b>	<b>99.83%</b>	
<b>YTD Availability of Unit 2 till February 2024</b>						<b>97.51%</b>
<b>Monthly Availability of Unit 2 during March 2024</b>						<b>99.83%</b>
<b>YTD March 2024 Availability of Unit 2</b>						<b>97.70%</b>

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.

Prepared By  
Dhruv

OK

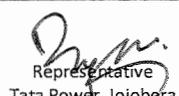
Basudev Hansdah  
Chief - O&M  
The Tata Power Company Limited  
Jojobera Power Plant, Jamshedpur-831016

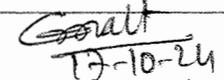
Charan Das  
Manager  
LDC, Tata Steel

Monthly Plant Availability Factor (PAFM)						Doc No: Tata Power/TSL/LDC/Unit 3/2023-24/10
Monthly Plant Availability Factor (PAFM) - Unit 3, Jojobera Power Plant						Reference: Regulation 17.4 of JSERC Generation Tariff Regulations 2020
Unit	3		Month	Jan-24		
Sl. No.	Day	Total Declared Capacity during the Day (DCI) (MW)	Installed Capacity (IC) (MW)	Normative Aux. Power Consumption (%)	Availability (%)	<p>17.4 The Plant Availability Factor achieved for the month (PAFM) shall be computed in accordance with the following formula:</p> $PAFM = 100 \times \frac{\sum_{i=1}^N DC_i}{N \times IC \times (1 - Aux)} \%$ <p>Where:                      Aux: Normative Auxiliary Energy Consumption (%);                      DC<sub>i</sub>: Average Declared Capacity (in ex-bus MW), for the i<sup>th</sup> time block in such period;                      IC: Installed Capacity (in MW) of the generating station;                      N: Number of time blocks in the given period.</p> <p>Reference: Regulation 13.18-13.19 of JSERC Grid Code Regulations 2008</p> <p>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.</p> <p>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.</p>
1	1-Jan-24	108.000	120.00	10.00%	100.00%	
2	2-Jan-24	107.850	120.00	10.00%	99.86%	
3	3-Jan-24	108.000	120.00	10.00%	100.00%	
4	4-Jan-24	108.000	120.00	10.00%	100.00%	
5	5-Jan-24	108.000	120.00	10.00%	100.00%	
6	6-Jan-24	108.000	120.00	10.00%	100.00%	
7	7-Jan-24	108.000	120.00	10.00%	100.00%	
8	8-Jan-24	107.970	120.00	10.00%	99.97%	
9	9-Jan-24	108.000	120.00	10.00%	100.00%	
10	10-Jan-24	107.910	120.00	10.00%	99.92%	
11	11-Jan-24	107.980	120.00	10.00%	99.98%	
12	12-Jan-24	107.920	120.00	10.00%	99.93%	
13	13-Jan-24	107.760	120.00	10.00%	99.78%	
14	14-Jan-24	108.000	120.00	10.00%	100.00%	
15	15-Jan-24	107.980	120.00	10.00%	99.98%	
16	16-Jan-24	107.830	120.00	10.00%	99.84%	
17	17-Jan-24	107.840	120.00	10.00%	99.85%	
18	18-Jan-24	107.670	120.00	10.00%	99.69%	
19	19-Jan-24	107.810	120.00	10.00%	99.82%	
20	20-Jan-24	107.770	120.00	10.00%	99.79%	
21	21-Jan-24	107.640	120.00	10.00%	99.67%	
22	22-Jan-24	108.000	120.00	10.00%	100.00%	
23	23-Jan-24	108.000	120.00	10.00%	100.00%	
24	24-Jan-24	108.000	120.00	10.00%	100.00%	
25	25-Jan-24	108.000	120.00	10.00%	100.00%	
26	26-Jan-24	108.000	120.00	10.00%	100.00%	
27	27-Jan-24	108.000	120.00	10.00%	100.00%	
28	28-Jan-24	108.000	120.00	10.00%	100.00%	
29	29-Jan-24	102.840	120.00	10.00%	95.22%	
30	30-Jan-24	107.750	120.00	10.00%	99.77%	
31	31-Jan-24	107.960	120.00	10.00%	99.96%	
<b>Jan-24</b>		<b>107.757</b>	<b>120.00</b>	<b>10.00%</b>	<b>99.78%</b>	
<b>YTD Availability of Unit 3 till December 2023</b>					<b>88.68%</b>	
<b>Monthly Availability of Unit 3 during January 2024</b>					<b>99.78%</b>	
<b>YTD January 2024 Availability of Unit 3</b>					<b>89.80%</b>	

Prepared By  


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 OK

  
 Representative  
 Tata Power, Jojobera  
**Basudev Hansdah**  
 Chief - O&M  
 The Tata Power Company Limited  
 Jojobera Power Plant, Jamshedpur-831016

  
 17-10-24  
 Representative  
 LDC, Tata Steel  
**Charan Das**  
 Manager LDC

**Doc No: Tata Power/TSL/LDC/Unit 3/2023-24/11**

**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:

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

Where,  
 Aux: Normative Auxiliary Energy Consumption (%);  
 DC: Average Declared Capacity (in ex-bus MW), for the <sup>i</sup>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 demand of all the Users / Distribution Licensees shall be deemed to have been revised to be equal to their actual generation/demand 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 generators and reposition by Users / Distribution Licensees for the remaining period of the day will also be permitted with advance notice. Revised scheduled 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)						
Monthly Plant Availability Factor (PAFM) - Unit 3, Jobbera Power Plant			Monthly Plant Availability Factor (PAFM) - Unit 3, Jobbera Power Plant			
Unit	Day	Total Declared Capacity during the Day (DC) (MW)	Installed Capacity (MW)	Month	Normative Aux. Power Consumption (%)	Feb-24 Availability (%)
1	1-Feb-24	108.000	120.00	120.00	10.00%	100.00%
2	2-Feb-24	107.886	120.00	120.00	10.00%	99.89%
3	3-Feb-24	108.000	120.00	120.00	10.00%	100.00%
4	4-Feb-24	107.983	120.00	120.00	10.00%	99.98%
5	5-Feb-24	108.000	120.00	120.00	10.00%	100.00%
6	6-Feb-24	107.993	120.00	120.00	10.00%	99.99%
7	7-Feb-24	108.000	120.00	120.00	10.00%	100.00%
8	8-Feb-24	107.574	120.00	120.00	10.00%	99.61%
9	9-Feb-24	107.570	120.00	120.00	10.00%	99.60%
10	10-Feb-24	108.000	120.00	120.00	10.00%	100.00%
11	11-Feb-24	107.954	120.00	120.00	10.00%	99.96%
12	12-Feb-24	108.000	120.00	120.00	10.00%	100.00%
13	13-Feb-24	101.636	120.00	120.00	10.00%	94.11%
14	14-Feb-24	100.800	120.00	120.00	10.00%	93.33%
15	15-Feb-24	108.000	120.00	120.00	10.00%	100.00%
16	16-Feb-24	108.000	120.00	120.00	10.00%	100.00%
17	17-Feb-24	108.000	120.00	120.00	10.00%	100.00%
18	18-Feb-24	107.978	120.00	120.00	10.00%	99.98%
19	19-Feb-24	108.000	120.00	120.00	10.00%	100.00%
20	20-Feb-24	107.900	120.00	120.00	10.00%	99.91%
21	21-Feb-24	108.000	120.00	120.00	10.00%	100.00%
22	22-Feb-24	107.975	120.00	120.00	10.00%	99.98%
23	23-Feb-24	107.974	120.00	120.00	10.00%	99.98%
24	24-Feb-24	108.000	120.00	120.00	10.00%	100.00%
25	25-Feb-24	108.000	120.00	120.00	10.00%	100.00%
26	26-Feb-24	107.990	120.00	120.00	10.00%	99.99%
27	27-Feb-24	107.840	120.00	120.00	10.00%	99.85%
28	28-Feb-24	108.000	120.00	120.00	10.00%	100.00%
29	29-Feb-24	108.000	120.00	120.00	10.00%	100.00%
Feb-24		107.485	120.000	120.000	10.00%	99.52%
<b>YTD Availability of Unit 3 till January 2024</b>						
						<b>89.80%</b>
<b>Monthly Availability of Unit 3 during February 2024</b>						
						<b>99.52%</b>
<b>YTD February 2024 Availability of Unit 3</b>						
						<b>90.64%</b>

*Prepared By*

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**Basudev Hansdah**  
 Chief - O&M  
 The Tata Power Company Limited  
 Jobbera Power Plant, Jamshedpur-831016

*13-10-24*  
*Manoj Kumar*  
 Representative  
 LDC, Tata Steel

Monthly Plant Availability Factor (PAFM)						
Monthly Plant Availability Factor (PAFM) - Unit 3		Month		Mar-24		
Sl. No.	Day	Total Declared Capacity during the Day (DC) (MW)	Installed Capacity (IC) (MW)	Normative Aux. Power Consumption (%)	Availability (%)	Availability (%)
1	1-Mar-24	108.000	120.00	10.00%	100.00%	100.00%
2	2-Mar-24	108.000	120.00	10.00%	100.00%	100.00%
3	3-Mar-24	108.000	120.00	10.00%	100.00%	100.00%
4	4-Mar-24	108.000	120.00	10.00%	100.00%	100.00%
5	5-Mar-24	108.000	120.00	10.00%	100.00%	100.00%
6	6-Mar-24	108.000	120.00	10.00%	100.00%	100.00%
7	7-Mar-24	108.000	120.00	10.00%	100.00%	100.00%
8	8-Mar-24	108.000	120.00	10.00%	100.00%	100.00%
9	9-Mar-24	108.000	120.00	10.00%	100.00%	100.00%
10	10-Mar-24	108.000	120.00	10.00%	100.00%	100.00%
11	11-Mar-24	108.000	120.00	10.00%	100.00%	100.00%
12	12-Mar-24	108.000	120.00	10.00%	100.00%	100.00%
13	13-Mar-24	108.000	120.00	10.00%	100.00%	100.00%
14	14-Mar-24	108.000	120.00	10.00%	100.00%	100.00%
15	15-Mar-24	108.000	120.00	10.00%	100.00%	100.00%
16	16-Mar-24	108.000	120.00	10.00%	100.00%	100.00%
17	17-Mar-24	108.000	120.00	10.00%	100.00%	100.00%
18	18-Mar-24	107.948	120.00	10.00%	99.90%	100.00%
19	19-Mar-24	108.000	120.00	10.00%	100.00%	100.00%
20	20-Mar-24	108.000	120.00	10.00%	100.00%	100.00%
21	21-Mar-24	108.000	120.00	10.00%	100.00%	100.00%
22	22-Mar-24	107.948	120.00	10.00%	99.95%	100.00%
23	23-Mar-24	80.147	120.00	10.00%	74.21%	100.00%
24	24-Mar-24	90.498	120.00	10.00%	83.79%	100.00%
25	25-Mar-24	108.000	120.00	10.00%	100.00%	100.00%
26	26-Mar-24	108.000	120.00	10.00%	100.00%	100.00%
27	27-Mar-24	108.000	120.00	10.00%	100.00%	100.00%
28	28-Mar-24	108.000	120.00	10.00%	100.00%	100.00%
29	29-Mar-24	108.000	120.00	10.00%	100.00%	100.00%
30	30-Mar-24	108.000	120.00	10.00%	100.00%	100.00%
31	31-Mar-24	108.000	120.00	10.00%	100.00%	100.00%
		<b>106.532</b>	<b>120.00</b>	<b>10.00%</b>	<b>98.64%</b>	<b>98.64%</b>
YTD Availability of Unit 3 till February 2024					<b>90.64%</b>	<b>90.64%</b>
Monthly Availability of Unit 3 during March 2024					<b>98.64%</b>	<b>98.64%</b>
YTD March 2024 Availability of Unit 3					<b>91.32%</b>	<b>91.32%</b>

Doc No: Tata Power/TSL/LDC/Unit 3/2023-24/12  
 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:

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

Where:  
 Aux: Normative Auxiliary Energy Consumption (%);  
 DC: Average Declared Capacity (in ex-bus MW), for the <sup>i</sup>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 requestion 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.

*Handwritten signature*

*Handwritten signature*  
 Representative  
 Tata Power, Jojobera

**Basudev Hansdah**  
 Chief - O&M

The Tata Power Company Limited  
 Jojobera Power Plant, Jamshedpur-831016

*Handwritten signature*  
 13-10-24  
 2023-24  
 Representative  
 LDC, Tata Steel

*Prepared By*

JPP/ 404/2023  
30.09.2023

The Secretary  
Jharkhand State Electricity Regulatory Commission  
1<sup>st</sup> 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

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	
	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%
CCI Shakti WIV	0%	42.11%	0%	27.20%
WB Reject/Tailing	0%	1.31%	0%	1.79%
<b>Total</b>	<b>100.00%</b>	<b>100.00%</b>	<b>100.00%</b>	<b>100.00%</b>

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		Apr 23 - June 23			
Sl.No	Period	UoM	Approved in MYT Order	Actual (w/o change in fuel mix)	Actual
1	Fuel Mix (In terms of Quantity)				
	Non-SHAKTI Coal	%	21.25%	21.25%	17.46%
	SHAKTI Coal	%	78.75%	78.75%	82.54%
2	Weighted Avg. GCV <sub>NS</sub> Coal	kCal/Kg	3861	4128	3955
	Weighted Avg. LP <sub>NS</sub> Coal	Rs/MT	4223	5696	5520
	Weighted Avg. GCV <sub>S</sub> Coal	kCal/Kg	3816	3632	3843
	Weighted Avg. LP <sub>S</sub> Coal	Rs/MT	3587	3561	4329
	Weighted Avg. GCV <sub>EFF</sub> Coal	kCal/Kg	3825	3737	3862
	Weighted Avg. LP <sub>EFF</sub> Coal	Rs/MT	3722	4015	4537
	Weighted Avg. GCV <sub>LDO</sub>	KCal/L	9100	10484	10484
	Weighted Avg. LP <sub>LDO</sub>	Rs/KL	45198	76330	76330
3	ECR <sub>NS</sub> Coal	Rs/kWh	3.029	3.820	3.864
4	ECR <sub>S</sub> Coal		2.603	2.715	3.120
5	ECR <sub>EFF</sub> Coal		2.695	2.974	3.253
6	ECR <sub>LDO</sub>		0.025	0.042	0.042
7	Discount due to SHAKTI Coal		0.045	0.039	0.042
8	ECR <sub>EFF</sub> (WITH SHAKTI Discount)		2.675	2.978	3.253

9	ECR <sub>ACTUAL-PROPOSED</sub>	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		Apr 23 - June 23			
Sl.No	Period	UoM	Proposed in MYT Petition	Actual (w/o change in fuel mix)	Actual
1	Fuel Mix (In terms of Quantity)				
	Non-SHAKTI Coal	%	21.24%	21.24%	25.59%
	SHAKTI Coal	%	78.76%	78.76%	74.41%
2	Weighted Avg. GCV <sub>NS</sub> Coal	kCal/Kg	3860	4128	4043
	Weighted Avg. LP <sub>NS</sub> Coal	Rs/MT	4223	5936	5882
	Weighted Avg. GCV <sub>S</sub> Coal	kCal/Kg	3817	3687	3794
	Weighted Avg. LP <sub>S</sub> Coal	Rs/MT	3713	3529	4177
	Weighted Avg. GCV <sub>EFF</sub> Coal	kCal/Kg	3826	3781	3858
	Weighted Avg. LP <sub>EFF</sub> Coal	Rs/MT	3822	4040	4613
	Weighted Avg. GCV <sub>LDO</sub>	KCal/L	9100	10598	10598
	Weighted Avg. LP <sub>LDO</sub>	Rs/KL	45196	76442	76442
3	ECR <sub>NS</sub> Coal	Rs/kWh	3.030	3.981	4.028
4	ECR <sub>S</sub> Coal		2.695	2.650	3.049
5	ECR <sub>EFF</sub> Coal		2.767	2.959	3.311
6	ECR <sub>LDO</sub>		0.025	0.042	0.042
7	Discount due to SHAKTI Coal		0.045	0.039	0.034
8	ECR <sub>EFF</sub> (WITH SHAKTI Discount)		2.747	2.962	3.319
9	ECR <sub>ACTUAL-PROPOSED</sub>	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 Power 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.



JPP/ 201 /2023  
21.12.2023

The Secretary  
Jharkhand State Electricity Regulatory Commission  
1<sup>st</sup> Floor, Jharkhand Housing Board Headquarter (Old Building)  
Harmu Housing Colony, Ranchi-834002

**Subject: Submission of Report on Fuel Mix for Q2 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 Q2 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

Quarterly Report on the Fuel Mix – (July-August-Sept-2023)/FY 23-24(Q2)

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 July 2023 to September 2023, i.e., Quarter 2 (Q2) 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 Q2 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 Particulars	Unit 2 July 23 - September 23		Unit 3 July 23 - September 23	
	Approved in MYT Order	Actual	Approved in MYT Order	Actual
Middling	21.25%	8.43%	21.24%	7.94%
ECL Shakti	6.47%	8.03%	6.47%	1.96%
MCL Shakti	14.05%	15.83%	14.05%	14.27%
CCL Shakti	14.59%	10.76%	14.60%	16.04%
CCL Shakti R3	43.64%	53.40%	43.64%	58.21%
CCL SFA Coal	0%	0.00%	0%	0.00%
CCI Shakti WIV	0%	0.77%	0%	0.47%
WB Reject/Tailing	0%	2.77%	0%	1.10%
<b>Total</b>	<b>100.00%</b>	<b>100.00%</b>	<b>100.00%</b>	<b>100.00%</b>

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 Q2 was about 90%, against the initial projection of 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 from mines of West Bokaro Collieries to meet the excess demand of the distribution licensee.
  - (d) Increased demand was met through higher consumption of the available Shakti Coal and accordingly the benefit of lower energy cost has been passed on to the end user.
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 Q2 (FY 23-24) was about 90%, 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 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. 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.
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. The copies of the MoP's direction dated 09.01.2023 and 25.10.2023 in this regard are enclosed herewith and marked as **Annexure-1**. It is further submitted that 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 increase in coal cost.
9. Moreover, the Sub-Group constituting 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 only 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 advice of Sub-Group committee, coal supply from CCL to Jojobera unit was constrained to be supplied mainly under RCR mode only. The above restriction has thus impacted the coal materialization and led to supply of CCL WIV Coal and also

sourcing of small quantities of WB reject/tailing coals which consequently as brought out in point (c) which consequently resulted in variation of the actual fuel mix with the approved one.

11.As regards point (d) above, it is being humbly submitted that the coal requirement was primarily met through the less costly linkage coal reducing the consumption of middling coal which resulted in lower energy cost. The benefit of the same has been passed on to the end beneficiaries.

**Impact on Energy Charge Rate:**

12.Pursuant to change in fuel mix for Q2 for reasons stated above, the Petitioner assessed the deviations in the Energy Charge Rate for Q2 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 which is beyond the control of the Petitioner which is beyond the control of the Petitioner/Revision in Coal Price (about 9%) by Coal India Limited vide its Notification dated 30.05.2023
- (b) Variation due to change in fuel mix for reasons as stated above.

13.Difference in ECR for Q2 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	July 23 - September 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%	11.21%
	SHAKTI Coal	%	78.75%	78.75%	88.79%
2	Weighted Avg. GCV <sub>NS</sub> Coal	kCal/Kg	3861	3594	3702
	Weighted Avg. LP <sub>NS</sub> Coal	Rs/MT	4223	4676	5294
	Weighted Avg. GCV <sub>S</sub> Coal	kCal/Kg	3816	3672	3683
	Weighted Avg. LP <sub>S</sub> Coal	Rs/MT	3587	3297	3334
	Weighted Avg. GCV <sub>EFF</sub> Coal	kCal/Kg	3825	3655	3685
	Weighted Avg. LP <sub>EFF</sub> Coal	Rs/MT	3722	3590	3553
	Weighted Avg. GCV <sub>LDO</sub>	KCal/L	9100	10348	10348
	Weighted Avg. LP <sub>LDO</sub>	Rs/KL	45198	77221	77221
3	ECR <sub>NS</sub> Coal	Rs/kWh	3.029	3.603	3.960
4	ECR <sub>S</sub> Coal		2.603	2.486	2.507
5	ECR <sub>EFF</sub> Coal		2.695	2.720	2.670
6	ECR <sub>LDO</sub>		0.025	0.042	0.042
7	Discount due to SHAKTI Coal		0.044	0.039	0.052
8	ECR <sub>EFF</sub> (WITH SHAKTI Discount)		2.675	2.723	2.660
9	ECR <sub>ACTUAL-PROPOSED</sub>	Rs/kWh			-0.015
	i - Variation due to Change in GCV/Price of Coal				0.048
	ii - Variation due to Change in Fuel Mix of Coal				-0.063

**Unit 3:**

Particulars - Unit 3					
Sl.No	Period	July 23 - September 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%	9.04%
	SHAKTI Coal	%	78.76%	78.76%	90.96%
2	Weighted Avg. GCV <sub>NS</sub> Coal	kCal/Kg	3860	3579	3628
	Weighted Avg. LP <sub>NS</sub> Coal	Rs/MT	4223	4671	4969
	Weighted Avg. GCV <sub>S</sub> Coal	kCal/Kg	3817	3664	3618
	Weighted Avg. LP <sub>S</sub> Coal	Rs/MT	3713	3300	3163
	Weighted Avg. GCV <sub>EFF</sub> Coal	kCal/Kg	3826	3646	3619
	Weighted Avg. LP <sub>EFF</sub> Coal	Rs/MT	3822	3591	3326
	Weighted Avg. GCV <sub>LDO</sub>	KCal/L	9100	10362	10362
	Weighted Avg. LP <sub>LDO</sub>	Rs/KL	45196	77121	77121
3	ECR <sub>NS</sub> Coal	Rs/kWh	3.030	3.614	3.792
4	ECR <sub>S</sub> Coal		2.695	2.494	2.421
5	ECR <sub>EFF</sub> Coal		2.767	2.727	2.545
6	ECR <sub>LDO</sub>		0.025	0.042	0.042
7	Discount due to SHAKTI Coal		0.044	0.042	0.001
8	ECR <sub>EFF</sub> (WITH SHAKTI Discount)		2.747	2.728	2.586
9	ECR <sub>ACTUAL-PROPOSED</sub>	Rs/kWh			-0.161
	i - Variation due to Change in GCV/Price of Coal				-0.019
	ii - Variation due to Change in Fuel Mix of Coal				-0.142

14. As can be seen from the above Tables, ECR for Q2 FY 2023-24 has decreased by 0.015 Rs/kWh in Unit 2 and by 0.161 Rs/kWh in Unit 3 respectively compared to the approved ECR. The above reduction in the ECR has been mainly on account of more consumption of linkage coal under as has been explained herein above. Further, there has been variation in price of middling coal on account of market forces and scarcity of coal nationwide, though its impact has been off-set to much extent, since, Tata Power has been able to curtail the consumption of middling coal. Further, there had been increase in cost of LDO owing to market forces. It is being humbly submitted that such price variations are beyond the Control of Tata Power. It is worth mentioning that Tata Power has been able to contain the actual ECR to Rs. 2.66/kWh and Rs. 2.59/kWh for Unit-2 and Unit-3 respectively, by resorting to domestic coal supply only through its continued efforts else sourcing of imported coal would have significantly impacted the actual ECR.
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 Q2 FY 2023-24 for Unit 2 and Unit 3.

**The Secretary**

Jharkhand State Electricity Regulatory Commission,  
1<sup>st</sup> Floor, Jharkhand Housing Board (Old Building)  
Harmu Housing Colony,  
Ranchi-834002

**Subject: Submission of Report on Fuel Mix for Q3 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***

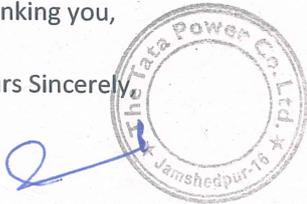
*9.3 The Commission has observed that due to various reasons, the Petitioner has procured coal from sources other than what had been approved. Such variations lead to a change in the fuel mix and the landed cost. The Petitioner is directed to bring to the notice of the Commission any such changes with 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 Q3 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

Quarterly Report on the Fuel Mix – (Oct-Nove-Dec-2023)/FY 23-24(Q3)

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 October 2023 to December 2023, i.e., Quarter 3 (Q3) 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 Q3 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 Oct 23- Dec 23		Unit 3 Oct 23- Dec 23	
	Proposed in MYT Petition	Actual	Proposed in MYT Petition	Actual
Middling	22.53%	4.59%	22.82%	10.36%
ECL Shakti	6.36%	10.89%	6.34%	6.90%
MCL Shakti	13.82%	12.23%	13.77%	21.55%
CCL Shakti	14.36%	11.67%	14.30%	16.43%
CCL Shakti R3	42.93%	59.86%	42.77%	40.76%
CCL SFA Coal	0.00%	0.00%	0.00%	0.00%
CCI Shakti WIV	0.00%	0.00%	0.00%	0.00%
WB Reject/Tailing	0.00%	0.77%	0.00%	4.00%
Total	100.00%	100.00%	0.00%	100.00%

4. The deviations (actual vis-à-vis approved coal mix) as shown above are mainly due to combined effect of factors beyond the control of Tata Power, discussed in detail hereunder:

- 4.1. 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. 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.

- 4.2. 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. The copies of the MoP's direction dated 09.01.2023 and 25.10.2023 in this regard are enclosed herewith and marked as **Annexure-1**. It is further submitted that 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 increase in coal cost.
- 4.3. It is respectfully submitted that there had been constraints on the supply of middling coal owing to coal quality issue. In this respect, TSL had communicated to TPCL regarding the insufficiency of the middling coal with a suggestion for exploring alternate sources for meeting the requirement. The mail communication from TSL is enclosed herewith and marked as **Annexure-2**. In an effort to ensure the adequate/ regular coal supply, TPCL has now entered into the agreements for sourcing coal from West Bokaro Collieries and through e-auction organized by CIL. The coal supply in terms of these agreements is expected to begin from the next quarter.
- 4.4. Moreover, the Sub-Group committee constituting 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 only 0.4 to 1 Rake in Road cum Rail (RCR) mode only from CCL to Jojobera Units 2&3 during the quarter. Further, supply from some of the mines was not even regular due to logistic constraints and lifting under RCR was hampered due to local issues as captured in MOM dated 10.11.2023. Sample Minutes of the Sub-Group weekly meetings are enclosed herewith and marked as **Annexure3**.
5. In view of above coal crisis and in consonance with the advice of Sub-Group committee, coal supply from CCL to Jojobera unit was constrained to be supplied mainly under RCR mode only. The above restriction has thus impacted the coal materialization leading to sourcing of small quantities of WB reject/tailing coals which consequently resulted in variation of the actual fuel mix with the approved one.

**Impact on Energy Charge Rate:**

6. Pursuant to change in fuel mix for Q3 for reasons stated above, the Petitioner assessed the deviations in the Energy Charge Rate for Q3 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 is basically on account of the reasons beyond the control of the Petitioner, viz; market forces/ recommendation of subgroup committee/ Revision in Coal Price (about 9%) by Coal India Limited vide its Notification dated 30.05.2023 (enclosed as **Annexure4A**).
  - (b) Variation due to change in fuel mix for reasons as stated above.
7. Difference in ECR for Q3 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 **Annexurer4** 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	Oct 23 to Dec 23			
1	Fuel Mix (In terms of Quantity)	UoM	Proposed in MYT Petition	Actual (w/o change in fuel mix)	Actual
	Non-SHAKTI Coal	%	21.25%	21.25%	5.35%
	SHAKTI Coal	%	78.75%	78.75%	94.65%
2	Weighted Avg. GCV <sub>NS</sub> Coal	kCal/Kg	3861	3451	3566
	Weighted Avg. LP <sub>NS</sub> Coal	Rs/MT	4223	4591	4835
	Weighted Avg. GCV <sub>S</sub> Coal	kCal/Kg	3816	3528	3598
	Weighted Avg. LP <sub>S</sub> Coal	Rs/MT	3587	3617	3718
	Weighted Avg. GCV <sub>EFF</sub> Coal	kCal/Kg	3825	3512	3597
	Weighted Avg. LP <sub>EFF</sub> Coal	Rs/MT	3722	3824	3778
	Weighted Avg. GCV <sub>LDO</sub>	KCal/L	9100	10236	10236
	Weighted Avg. LP <sub>LDO</sub>	Rs/KL	45198	81880	81880
3	ECR <sub>NS</sub> Coal	Rs/kWh	3.184	3.882	3.953
4	ECR <sub>S</sub> Coal		2.737	2.991	3.012
5	ECR <sub>EFF</sub> Coal		2.833	3.177	3.062
6	ECR <sub>LDO</sub>		0.025	0.045	0.045
7	Discount due to SHAKTI Coal		0.044	0.043	0.057
8	ECR <sub>EFF</sub> (WITH SHAKTI Discount)		2.814	3.179	3.050
9	ECR <sub>ACTUAL-PROPOSED</sub>	Rs/kWh			0.235
	i - Variation due to Change in GCV/Price of Coal				0.364
	ii - Variation due to Change in Fuel Mix of Coal				-0.129

**Unit 3:**

<b>Particulars - Unit 3</b>					
<b>Sl.No</b>	<b>Period</b>	<b>Oct 23 to Dec 23</b>			
	<b>Fuel Mix (In terms of Quantity)</b>	<b>UoM</b>	<b>Proposed in MYT Petition</b>	<b>Actual (w/o change in fuel mix)</b>	<b>Actual</b>
1	Non-SHAKTI Coal	%	21.24%	21.24%	14.36%
	SHAKTI Coal	%	78.76%	78.76%	85.64%
2	Weighted Avg. GCV <sub>NS</sub> Coal	kCal/Kg	3860	3449	3670
	Weighted Avg. LP <sub>NS</sub> Coal	Rs/MT	4223	4590	5123
	Weighted Avg. GCV <sub>S</sub> Coal	kCal/Kg	3817	3503	3455
	Weighted Avg. LP <sub>S</sub> Coal	Rs/MT	3713	3461	3412
	Weighted Avg. GCV <sub>EFF</sub> Coal	kCal/Kg	3826	3491	3486
	Weighted Avg. LP <sub>EFF</sub> Coal	Rs/MT	3822	3701	3658
	Weighted Avg. GCV <sub>LDO</sub>	KCal/L	9100	10141	10141
	Weighted Avg. LP <sub>LDO</sub>	Rs/KL	45196	82410	82410
3	ECR <sub>NS</sub> Coal	Rs/kWh	3.198	3.899	4.084
4	ECR <sub>S</sub> Coal		2.844	2.894	2.893
5	ECR <sub>EFF</sub> Coal		2.920	3.105	3.074
6	ECR <sub>LDO</sub>		0.025	0.046	0.046
7	Discount due to SHAKTI Coal		0.043	0.059	0.035
8	ECR <sub>EFF</sub> (WITH SHAKTI Discount)		2.902	3.091	3.084
9	ECR <sub>ACTUAL-PROPOSED</sub>	Rs/kWh			0.182
	i - Variation due to Change in GCV/ Price of Coal				0.189
	ii - Variation due to Change in Fuel Mix of Coal				-0.007

8. As can be seen from the above Tables, ECR for Q3 FY 2023-24 has increased by 0.235 Rs/kWh in Unit 2 and by 0.182 Rs/kWh in Unit 3 respectively compared to the approved ECR. The above increase in the ECR has been mainly on account increase in coal price and variation in GCV. Further, there has been variation in price of middling coal on account of market forces and scarcity of coal nationwide, though its impact has been off-set to much extent, since, consumption of middling coal has been curtailed. Further, there had been increase in cost of LDO owing to market forces. It is being humbly submitted that such price variations are beyond the Control of Tata Power. It is worth mentioning that Tata Power has been able to contain the actual ECR to Rs. 3.050/kWh and Rs. 3.084/kWh for Unit-2 and Unit-3 respectively, by resorting to domestic coal supply only through its continued efforts else sourcing of imported coal would have significantly impacted the actual ECR.
9. 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 Q3 FY 2023-24 for Unit 2 and Unit 3.

**The Secretary**

Jharkhand State Electricity Regulatory Commission,  
1<sup>st</sup> Floor, Jharkhand Housing Board (Old Building)  
Harmu Housing Colony,  
Ranchi-834002

**Subject: Submission of Report on Fuel Mix for Q4 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 Q4 FY 2023-24 for kind consideration of the Hon'ble Commission.

Thanking you,

Yours Sincerely,



(Jagmit Singh Sidhu)  
CEO-IEL & Chief - Jamshedpur Operations

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

**APPENDIX-A**

Quarterly Report on the Fuel Mix – For Quarter ended on March-2024/ FY 23-24:

1. The Hon'ble Commission in the MYT Tariff Order dated 04.11.2022 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 has already submitted quarterly reports with regard to variation in Coal Mix compared to what had been approved in respect of first 3 quarters of FY 2024 i.e. quarters ended on 30.06.2023, 31.10.2023, 31.12.2023. It is noteworthy here that the Hon'ble Commission has recently issued Annual Performance Review (APR) Order dated 06.06.2024 for FY 2023-24 wherein the Commission has approved revised Fuel Mix and Energy Charge Rate on projected basis for FY 2023-24. Accordingly, Tata Power, in the instant submission has presented the comparison between actual fuel mix vis-à-vis the fuel mix approved vide APR Order dated 06.06.2024 for FY 2023-24, highlighting the deviations from the approved coal mix 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 APR Order vis-à-vis actual fuel mix for 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 Apr 23 to March 24		Unit 3 Apr 23 to March 24	
	Approved in APR Order	Actual	Approved in APR Order	Actual
Middling	7.43%	8.97%	10.10%	12.50%
ECL Shakti	6.64%	7.46%	6.82%	6.60%
MCL Shakti	16.66%	14.26%	15.55%	17.96%
CCL Shakti	10.80%	11.13%	12.53%	12.93%
CCL Shakti R3	42.16%	43.12%	43.11%	38.09%
CCL SFA Coal	0.70%	0.40%	0.75%	0.26%
CCI Shakti WIV	11.23%	11.50%	7.47%	7.76%
WB Reject/ Tailing	4.37%	2.16%	3.67%	2.83%
e auction coal	0.00%	0.98%	0.00%	1.07%
<b>Total</b>	<b>100.00%</b>	<b>100.00%</b>	<b>100.00%</b>	<b>100.00%</b>

4. As it can be observed, there are very minor deviations (actual vis-à-vis approved coal mix) as shown above which are mainly due to combined effect of factors beyond the control of Tata Power, discussed in detail hereunder:
  - 4.1. It is important to note that the coal supply under the Shakti scheme is only sufficient for a 75% Plant Load Factor (PLF). Therefore, the remaining coal has to be sourced from alternatives such as Middling Coal, other reject coal from West Bokaro collieries, e-auction coal, or imported coal. Tata Power has highlighted this fact in the MYT Petition, which was acknowledged by the Hon'ble Commission in the MYT Order dated 04.11.2022. The Hon'ble Commission is also requested to recognize that the demand of a distribution licensee is beyond the control of the Generating Station. Consequently, these variations are unavoidable and outside the Generating Station's control.
  - 4.2. 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, has recognized the shortage of domestic coal and advised generating stations to procure imported coal to meet shortfall. Vide advisory dated 09.01.2023, MoP had directed all GENCOs to import coal for 6% blending upto Sept' 23, observing that supply of coal is not commensurate with the domestic coal requirement in view of the increasing energy demand. The advisory was extended with 4% blending ratio vide MoP letter dated 01.09.2023 for the remaining period of FY2024. Further, vide advisory dated 25.10.2023, the advised blending ratio was revised to 6% for remaining period of FY2024. Tata Power, 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 and thereby, has averted the need of high cost imported coal by relying upon FSA coal or other domestic sources. The copies of the MoP's direction dated 09.01.2023, 01.09.2023 and 25.10.2023 in this regard are enclosed herewith and marked as **Annexure-1**. It is further submitted that 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 increase in coal cost.
  - 4.3. It is respectfully submitted that the supply of middling coal has been constrained due to coal quality issues. In this regard, TSL had communicated to TPCL about the insufficiency of middling coal and suggested exploring alternate sources to meet the requirement. The email communication from TSL is enclosed herewith and marked as **Annexure-2**.
  - 4.4. Moreover, the Sub-Group committee comprising members from MoP, MoC, Railways, CEA, CIL and officials from Generating companies during the weekly review meeting on supply of coal to Plants recommended Tata power jobobera plant to a maximum of only 0.2 to 0.5 Rake/ Day in Road cum Rail (RCR) mode only from CCL during the Quarter 4. Sample Minutes of the Sub-Group weekly meetings are enclosed herewith and marked as **Annexure 3**. In view of above coal crisis and in consonance with the advice of Sub-Group committee, coal supply from CCL to Jojobera unit was constrained to be supplied mainly under RCR mode only.

- 4.5. Tata power, in view of the reasons discussed hereinabove and anticipating their impact on the coal materialization, had projected sourcing of small quantities of WB reject/ tailing coals for the FY 2023-24 which the Hon'ble Commission has also approved vide Order dated 06.06.2024.
- 4.6. Further, in an effort to ensure the adequate/ regular coal supply, TPCL has now entered into the agreements for sourcing coal from West Bokaro Collieries and through e-auction organized by CIL. The allocation letters issued by CIL in terms of the e-auction for FY 2023-24 have already been submitted to the Hon'ble Commission by Tata Power, vide additional submission vide affidavit dated 31.01.2024 in Petition No. 11/2023. Tata Power has started receiving and consuming ECL e-auction coal from Q4 of the FY 2023-24.

### **Impact on Energy Charge Rate:**

5. Pursuant to the minor deviations in fuel mix on account of the reasons stated above and also taking into account the deviations in previous quarters, Tata Power has assessed the deviations in the Energy Charge Rate for FY 2023-24 vis-à-vis the ECR approved in the APR Order for FY 2023-24, since FY 2023-24 is now over and Hon'ble Commission has already approved the ECR for the same in this order.
6. Difference in ECR for FY 2023-24 compared to ECR approved in the APR 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 4** 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.

Particulars - Unit 2					
SI.No	Period	Apr 23 to March 24			
1	Fuel Mix (In terms of Quantity)	UoM	Approved in APR Order	Actual (w/o change in fuel mix i.e. Price/ GCV charge)	Actual
	Non-SHAKTI Coal	%	12.50%	12.50%	12.52%
	SHAKTI Coal	%	87.50%	87.50%	87.48%
2	Weighted Avg. GCV <sub>NS</sub> Coal	kCal/Kg	3833	3857	3882
	Weighted Avg. LP <sub>NS</sub> Coal	Rs/MT	5876	5491	5467
	Weighted Avg. GCV <sub>S</sub> Coal	kCal/Kg	3578	3575	3608
	Weighted Avg. LP <sub>S</sub> Coal	Rs/MT	3592	3648	3696
	Weighted Avg. GCV <sub>EFF</sub> Coal	kCal/Kg	3610	3610	3642
	Weighted Avg. LP <sub>EFF</sub> Coal	Rs/MT	3878	3879	3918
	Weighted Avg. GCV <sub>LDO</sub>	KCal/L	8843	8917	8917
	Weighted Avg. LP <sub>LDO</sub>	Rs/KL	77855	78440	78440
3	ECR <sub>NS</sub> Coal	Rs/kWh	4.365	4.053	4.010
4	ECR <sub>S</sub> Coal		2.859	2.906	2.917
5	ECR <sub>EFF</sub> Coal		3.059	3.059	3.063
6	ECR <sub>LDO</sub>		0.043	0.044	0.044
7	Discount due to SHAKTI Coal		0.048	0.048	0.048
8	ECR <sub>EFF</sub> (WITH SHAKTI Discount)		3.054	3.054	3.059
9	ECR <sub>ACTUAL-PROPOSED</sub>	Rs/kWh			0.005
	i - Variation due to Change in GCV/Price of Coal				0.000
	ii - Variation due to Change in Fuel Mix of Coal				0.005

Particulars - Unit 3					
Sl.No	Period	Apr 23 to March 24			
1	Fuel Mix (In terms of Quantity)	UoM	Proposed in MYT Petition	Actual (w/o change in fuel mix i.e. Price/ GCV charge)	Actual
	Non-SHAKTI Coal	%	14.52%	10.84%	16.66%
	SHAKTI Coal	%	85.48%	85.48%	83.34%
2	Weighted Avg. GCV <sub>NS</sub> Coal	kCal/Kg	3867	3793	3918
	Weighted Avg. LP <sub>NS</sub> Coal	Rs/MT	5900	5162	5583
	Weighted Avg. GCV <sub>S</sub> Coal	kCal/Kg	3566	3584	3558
	Weighted Avg. LP <sub>S</sub> Coal	Rs/MT	3544	3559	3547
	Weighted Avg. GCV <sub>EFF</sub> Coal	kCal/Kg	3610	3475	3618
	Weighted Avg. LP <sub>EFF</sub> Coal	Rs/MT	3886	3602	3887
	Weighted Avg. GCV <sub>LDO</sub>	KCal/L	8850	8918	8918
	Weighted Avg. LP <sub>LDO</sub>	Rs/KL	77980	80157	80157
3	ECR <sub>NS</sub> Coal	Rs/kWh	4.361	3.890	4.073
4	ECR <sub>S</sub> Coal		2.841	2.838	2.850
5	ECR <sub>EFF</sub> Coal		3.078	2.963	3.070
6	ECR <sub>LDO</sub>		0.043	0.045	0.045
7	Discount due to SHAKTI Coal		0.046	0.048	0.043
8	ECR <sub>EFF</sub> (WITH SHAKTI Discount)		3.075	2.960	3.072
9	ECR <sub>ACTUAL-PROPOSED</sub>	Rs/kWh			-0.003
	i - Variation due to Change in GCV/Price of Coal				-0.115
	ii - Variation due to Change in Fuel Mix of Coal				0.112

7. As can be seen from the above Tables, actual ECR (with SHAKTI Discount) for FY 2023-24 is almost same as approved ECR, with minor increase by 0.5 Paise /kWh in Unit 2 and slightly less (by 0.3 Paise/kWh) in Unit 3. It is worth mentioning that Tata Power has been able to contain the actual ECR (with SHAKTI discount) to Rs. 3.059/kWh and Rs. 3.072/kWh for Unit-2 and Unit-3 respectively, by resorting to domestic coal supply only through its continued efforts as have been elaborated hereinabove in this report, else sourcing of imported coal would have significantly impacted the actual ECR.

8. In view of the foregoing, Tata Power most humbly prays before this Hon'ble Commission for kind consideration of actual fuel mix and the consequent cost for FY 2023-24 for Unit 2 and Unit 3.

**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).

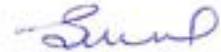
2. Ministry of Power (MoP) is very closely monitoring the coal availability for TPPs. Efforts have been made to increase coal availability from all sources (CIL, SECL, Captive) in coordination with Ministry of Coal (MoC). Although coal supply has increased during Q4, it is not adequate to meet the unprecedented 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. Despite 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



**File No. FU-21/2020-FSC (Vol-IV)**  
**Government of India**  
 (भारत सरकार)  
**Ministry of Power**  
 (विद्युत मंत्रालय)

नई दिल्ली, दिनांक 25 अक्टूबर, २०२३

New Delhi, dated the 25<sup>th</sup> October, 2023

To

- I. Principal Secretaries/Secretary (Power/Energy) of all State Governments/UTs
- II. 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 maximizing production in captive coal mines — reg.**

Sir/Madam,

As you are already aware, Ministry of Power issued an advisory dated 01.09.2023 regarding blending of imported coal @ 4% by weight till March, 2024.

2. The status of Power Supply position has been reviewed by Govt and it has been observed that there is consistent rising trend in the Power demand in the country coupled with inadequate supply of domestic coal which has resulted in rapid depletion of coal stocks at Domestic Coal Based (DCB) Plants across the country. The gap between receipt of domestic coal and consumption of coal (domestic + equivalent domestic of imported coal) during 01<sup>st</sup> September to 09<sup>th</sup> October, 2023 was to the tune of 12 MT.

3. About 11% fall of Hydro Generation has been recorded in H1 of FY 24 compared to the corresponding period of FY 23 due to variable monsoon rainfall. Approximately 2 GW of hydro capacity is out because of recent floods in Sikkim. The Reservoir levels in Northern, Eastern and Southern regions are less compared to the previous year as on 9<sup>th</sup> Oct' 2023, which has resulted in lower reservoir energy content at pan India level. This has put additional burden on Coal Based Thermal Generation.

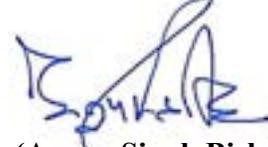
4. Therefore, in order to ensure uninterrupted power supply across the country, after careful consideration and in consultation with Central Electricity Authority (CEA) and Grid India, it has been decided blending of imported coal @ 6% (by weight) minimum

Contd/-

may be continued till March 2024. The Gencos may continuously review their stock position and opt for blending as per the requirements if the shortfall in domestic coal supply is more than 6 per cent.

5. The other conditions mentioned at Para 3 & 4 of advisory dated 01.09.2023 will remain the same.
6. This issues with the approval of Hon'ble Minister of Power & NRE.

Yours Faithfully,



(Anoop Singh Bisht)

Deputy Secretary to the Government of India

Ph. 011-23752497

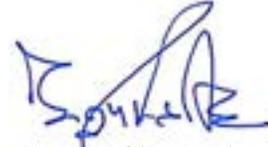
Email: [anoopsingh.bisht@nic.in](mailto:anoopsingh.bisht@nic.in)

@Endorsement

No. FU-21/2020-FSC (Vol-IV)

Copy to,

1. Secretary, Ministry of Coal
2. Chairman, Railway Board
3. Chairman, Central Electricity Authority
4. Secretary (CERC)/All SERCs



(Anoop Singh Bisht)

Deputy Secretary to the Government of India

Ph. 011-23752497

Email: [anoopsingh.bisht@nic.in](mailto:anoopsingh.bisht@nic.in)

Copy also to: NIC with the request to upload the same on MoP Portal

COAL ANALYSIS_ LOADING_ JAN'24																													
S No	Name of Siding/Colliery/ Loading Point	Commodity	Lab Code	Date of Loading	No of Wagon s/Type	Rake No	RR No	Qty as per RR (Wt)	Destination	Sample Collection date	Sample Preparation date	AIR DRY BASIS					AS RECEIVED BASIS					EQUILIBRATED CONDITION (60% RH 40Deg C)					Notified Grade	Remarks	
												MOIST %	ASH%	VM%	FC%	GCV(Kcal/Kg)	D/R	T MOIST %	ASH%	VM%	FC%	GCV(Kcal/Kg)	MOIST%	ASH%	VM%	FC%			GCV(Kcal/Kg)
1	MCL/BOCM 7/4358	COAL	20	29-12-23	58	1	182000024	3992.30	JPP	29-12-23	31-12-23	5.54	41.18	25.72	27.56	3670	04-01-23	15.42	36.87	23.03	24.68	3286	4.98	41.42	25.87	27.72	3692	G-13	Sampling done by QCI
2	MCL/BOCM 6/4359	COAL	21	30-12-23	58	2	182000025	4070.82	JPP	30-12-23	31-12-23	3.48	53.77	21.77	20.98	2787	04-01-23	13.67	48.09	19.47	18.77	2493	3.22	53.91	21.83	21.04	2795	G 13	Sampling done by QCI
3	MCL/BOCM 7/4361	COAL	50	31-12-23	57	3	182000026	3824.87	JPP	31-12-23	02-01-24	5.63	43.14	25.05	26.18	3386	05-01-23	13.84	39.39	22.87	23.90	3091	4.93	43.46	25.24	26.37	3411	G 13	Sampling done by QCI
4	MCL/BOCM 7/4367	COAL	112	03-01-24	58	1	182000027	3980.96	JPP	03-01-24	04-01-24	5.60	42.65	25.20	26.55	3541	08-01-24	12.97	39.32	23.23	24.48	3265	4.93	42.95	25.38	26.74	3566	G-13	Sampling done by QCI
5	MCL/BOCM 7/4387	COAL	539	20-01-24	58	2	182000030	4058.80	JPP	20-01-24	21-01-24	4.53	48.70	24.03	22.74	3097	25-01-24	11.02	45.39	22.40	21.19	2886	3.97	48.99	24.17	22.87	3115		Sampling done by QCI
6	MCL/BOCM 7/4388	COAL	540	20-01-24	58	3	182000031	3470.35	JPP	20-01-24	21-01-24	4.68	50.32	22.77	22.23	2961	25-01-24	10.78	47.10	21.31	20.81	2772	4.16	50.59	22.89	22.35	2977		Sampling done by QCI
7	MCL/BOCM 7/4391	COAL	616	22-01-24	59	4	182000032	4080.42	JPP	22-01-24	23-01-24	6.22	37.54	25.96	30.28	3883	27-01-24	10.96	35.64	24.65	28.75	3687	5.63	37.78	26.12	30.47	3907		Sampling done by QCI
8	MCL/BOCM 7/4394	COAL	677	23-01-24	58	5	182000034	3854.60	JPP	23-01-24	24-01-24	4.70	39.16	26.74	29.40	3988	28-01-24	11.03	36.56	24.96	27.45	3723	4.11	39.40	26.91	29.58	4013		Sampling done by QCI
TOTAL/WTD.AVG.							--	--	--	--	--	5.05	44.51	24.67	25.77	3418		12.48	40.99	22.75	23.78	3154	4.49	44.76	24.82	25.93	3439		



INSPECTORATE  
Opp. Dhansar Post office  
Post. Dhansar, Dist. Dhanbad  
Jharkhand-828106  
Tel: +91 326 2306351 3127  
www.bureauverit:s.oo.in

*[Handwritten Signature]*

**INSPECTORATE**  
 Opp. Dhansar Post office  
 Post Dhansar Dist Dhanbad  
 Jharkhand-828106  
 Tel: +91 326 2306351 3127  
 www.jirgaevnts.co.in

*(Signature)*

S No	Name of Siding/Colliery/ Loading Point	Commo dity	Lab Code	Date of Loading	No of Wagons /Type	Rake No	RR No	Qty as per RR Wt.	Destin ation	Sample Collection date	Sample Preparati on date	MOIST %	AIR DRY BASIS							AS RECEIVED BASIS							EQUILIBRATED CONDITION (60% RH 40Deg C)							No/In d Grade	Remarks
													ASH%	VM%	FC%	GCV/Kca l/Kg	D/R	T MOIST%	ASH%	VM%	FC%	GCV/Kca l/Kg	MOIST%	ASH%	VM%	FC%	GCV/Kca l/Kg	MOIST%	ASH%	VM%	FC%	GCV/Kca l/Kg			
1	ECL-PSBP-275	COAL	196	02-01-24	59	1	462000094	4,114.750	JPP	02-01-24	05-01-24	8.63	11.30	31.91	48.16	6336	08-01-24	15.67	10.43	29.45	44.45	5848	5.41	11.70	33.03	49.86	5559	G 4	Sampling done by QCI						
2	ECL-PSBP-276	COAL	1031	03-01-24	58	2	462000095	4,056.600	JPP	03-01-24	21-01-24	7.43	11.81	32.06	48.70	6330	23-01-24	13.02	11.10	30.12	45.76	5967	6.79	11.89	32.28	49.04	6394	G 4	Sampling done by QCI						
3	ECL-SANKARPUR-374	COAL	1026	17-01-24	15		162008835		JPP	17-01-24	19-01-24	7.68	11.93	31.99	48.40	6330	23-01-24	10.78	11.53	30.92	46.77	6098	6.80	12.04	32.29	48.86	6370	G 3	Sampling done by QCI						
3	ECL-BANKOLA-375	COAL	1027	17-01-24	13		162008836		JPP	17-01-24	19-01-24	8.13	11.02	30.42	50.43	6316	23-01-24	11.59	10.60	29.27	48.53	6078	7.51	11.09	30.63	50.77	6359	G 4	Sampling done by QCI						
3	ECL-KHANDRA-376	COAL	1028	17-01-24	10	3	162008837	3,848.000	JPP	17-01-24	19-01-24	7.44	11.39	30.94	50.23	6306	23-01-24	11.17	10.93	29.69	48.21	6052	6.93	11.45	31.11	50.51	6341	G 4	Sampling done by QCI						
	ECL-TLABONI-377	COAL	1029	17-01-24	13		162008838		JPP	17-01-24	19-01-24	7.44	11.39	30.94	50.23	6306	23-01-24	11.17	10.93	29.69	48.21	6052	6.93	11.45	31.11	50.51	6341	G 4	Sampling done by QCI						
	ECL-KUMARDIH-378	COAL	1030	17-01-24	7		162008839		JPP	17-01-24	19-01-24	7.14	11.80	32.06	49.00	6377	23-01-24	11.30	11.27	30.62	46.80	6091	6.42	11.89	32.31	49.38	6426	G 4	Sampling done by QCI						
4	ECL-PSBP-278	COAL	1344	17-01-24	58	4	462000096	3,943.890	JPP	17-01-24	23-01-24	7.16	11.80	32.33	48.71	6365	29-01-24	11.76	11.22	30.73	46.30	6050	4.54	12.13	33.24	50.08	6545	G 4	Sampling done by QCI						
5	ECL-PSBP-279	COAL	1345	19-01-24	58	5	462000097	4,004.760	JPP	19-01-24	25-01-24	7.06	11.75	32.47	48.72	6374	29-01-24	11.54	11.18	30.90	46.37	6067	4.25	12.11	33.45	50.19	6567	G 4	Sampling done by QCI						
6	ECL-PSBP-281	COAL	1839	22-01-24	57	6	462000098	3,594.800	JPP	22-01-24	02-02-24	6.21	11.56	33.52	48.71	6545	05-02-24	11.01	10.97	31.80	46.22	6210	5.31	11.67	33.84	49.18	6608	G 4	Sampling done by QCI						
7	ECL-BANKOLA-389	COAL	1847	27-01-24	57	7	162008845	3,855.170	JPP	27-01-24	02-02-24	5.57	24.98	29.09	40.36	5447	05-02-24	10.89	23.57	27.45	38.09	5140	5.43	25.02	29.13	40.42	5455	G 4	Sampling done by QCI						
TOTAL/WTD.AVG.											405	--	--	27,417.970	--	--	7.13	13.56	31.90	47.41	6247	12.14	12.82	30.18	44.85	5910	5.50	13.77	32.47	48.26	6358				

COAL ANALYSIS \_ LOADING \_ JAN'24

S No	Name of Siding/Colliery/ Loading Point	Comm odity Code	Lab Loading	Date of /Type	No of Wagons	Rate No	RR No	Qty as per RR Wt.	Desti nation	Sample Collection date	Sample Preparati on date	AIR DRY BASIS					AS RECEIVED BASIS					EQUILIBRATED CONDITION (60% RH, 40Dg C)					Notifi ed Grade	Remarks	
												MOIST %	ASH% VM%	FC% /kg)	GCV/kcal D/R	MOIST %	ASH% VM%	FC% a/(kg)	GCV/kc al/(kg)	MOIST% ASH% VM%	FC% Kj)	Grade							
1	CC-SOUNDA/JRIMARI	COAL	985	17-01-24	18	1	162006147	4009.650	JPP	17-01-24	18-01-24	3.51	28.17	26.73	41.59	5271	22-01-24	8.57	26.69	25.33	39.41	4995	3.28	28.24	26.79	41.69	5284	G 8	Sampling done by QCI
	CC-SOUNDA/SAVAL D	COAL	986	17-01-24	40	1	162006147	4009.650	JPP	17-01-24	18-01-24	3.51	28.17	26.73	41.59	5271	22-01-24	8.57	26.69	25.33	39.41	4995	3.28	28.24	26.79	41.69	5284	G 10	Sampling done by QCI
	TOTAL/WTD AVG.				40	--	--	4,009.650	--	--	--	3.51	28.17	26.73	41.59	5271		8.57	26.69	25.33	39.41	4995	3.28	28.24	26.79	41.69	5284		

  
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*[Signature]*

COAL ANALYSIS\_LOADING JAN'24

S No	Name of Siding/Colliery/ Loading Point	Comm odity	Lab Code	Date of Loading	No of Wagons /Type	Rake No	RR No	Qty as per RR Wt.	Dest Inatli on n date	Sample Collectio n date	Sample Preparatio n date	AIR DRY BASIS							AS RECEIVED BASIS					EQUILIBRATED CONDITION (60% RH 40Ddeg C)					No/ffe d Grade	Remarks
												MOIST %	ASH% VM%	FC% GCV/Kcal I/Kg	D/R	T MOIST %	ASH% VM%	FC% GCV/Kcal aI/Kg	MOIST% ASH% VM%	FC% GCV/Kcal/Kg	MOIST% ASH% VM%	FC% GCV/Kcal/Grade								
1	CCL-SHVPUR-1090	COAL		06-01-24	58	1	162008713	4036.300	JPP	05-01-24	13-01-24	4.24	36.05	24.74	34.97	4522	16-01-24	11.67	33.25	22.82	32.26	4171	3.98	36.15	24.81	35.06	4534	G-11		
2	CCL-SHVPUR	COAL	1797	22-01-24	58	2	162008821	3855.440	JPP	22-01-24	01-02-24	2.96	35.96	23.51	37.57	4550	03-02-24	10.89	33.02	21.99	34.50	4178	2.51	36.13	23.62	37.74	4571	G-11		
TOTAL/WTD.AVG.					116	--	--	7,891.740	--	--	--	3.61	36.01	24.14	36.24	4536		11.29	33.14	22.22	33.35	4175	3.26	36.14	24.23	36.37	4552		Sampling done by QC	

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COAL ANALYSIS\_LOADING\_JAN'24

S No	Name of Sliding/Colliery/ Loading Point	Comm odity	Lab Code	Date of Loading	No of Wagons /Type	Rake No	RR No	Qty as per RR Wt.	Destina tion	Sample Collection date	Sample Preparati on date	AIR DRY BASIS							AS RECEIVED BASIS					EQUILIBRATED CONDITION (60% RH 40Dg C)					Notifie d Grade	Remarks				
												MOIST %	ASH%	VM%	FC%	GCV/Kcal /kg)	D/R	MOIST %	ASH%	VM%	FC%	GCV/Kc aI/kg)	MOIST %	ASH%	VM%	FC%	GCV/Kcal/ Kg)							
1	CCL-NUGP-RAKE	COAL	247	30-12-23	59	1	162000053	4007.640	JPP	30-12-23	07-01-24	4.67	28.15	25.61	40.57	5165	09-01-24	11.03	26.27	24.83	37.86	4820	4.09	28.32	26.77	40.82	5196	G-8	Sampling done by QCI					
2	CCL-NUGP	COAL	792	12-01-24	59	2	162000067	4054.150	JPP	12-01-24	14-01-24	3.30	30.65	26.44	39.61	5126	16-01-24	9.78	28.60	24.67	36.96	4782	2.04	31.05	26.78	40.13	5193	G-8	Sampling done by QCI					
3	CCL-NUGP	COAL	793	13-01-24	59	3	162000068	4072.100	JPP	13-01-24	14-01-24	2.50	29.34	25.74	41.42	5238	16-01-24	9.41	27.26	24.84	38.48	4867	1.92	29.51	26.90	41.67	5269	G-8	Sampling done by QCI					
4	CCL-NUGP	COAL	1189	21-01-24	58	4	162000081	3,980.370	JPP	21-01-24	23-01-24	3.35	29.11	25.53	41.01	5221	25-01-24	8.67	27.51	25.07	38.75	4934	2.72	29.30	26.70	41.28	5255	G-8	Sampling done by QCI					
5	CCL-NUGP	COAL	1540	27-01-24	58	5	162000094	3,920.250	JPP	27-01-24	27-01-24	3.92	28.05	27.25	40.78	5239	31-01-24	10.16	26.23	25.48	38.13	4899	2.38	28.50	27.69	41.43	5323	G-8	Sampling done by QCI					
TOTAL/WTD.AVG.												116	--	--	20,034.510	--	--	3.54	29.07	25.71	40.68	5198	9.81	27.18	24.99	38.03	4860	2.63	29.34	26.97	41.06	5247		

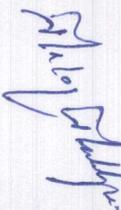
INSPECTORATE  
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*(Signature)*

COAL ANALYSIS\_LOADING JAN'24

S No	Name of Siding/Colliery / Loading	Commodity	Lab Code	Date of Loading	No of Trucks	Qty. (Mt)	Destination	Sample Collection date	Sample Preparation date	AIR DRY BASIS							AS RECEIVED BASIS					EQUILIBRATED CONDITION (60% RH 40Deg C)								
										MOIST%	ASH%	VM%	FC%	GCV(Kcal /kg)	D/R	T MOIST %	ASH%	VM%	FC%	GCV(Kcal/ Kg)	MOIST%	ASH%	VM%	FC%	GCV(Kcal/ Kg)	MOIST%	ASH%	VM%	FC%	GCV(Kcal/ Kg)
1	TSL-GHATO	TAILINGS	687	09-01-24	3	305.090	JPP	09-01-24	10-01-24	1.15	34.41	20.32	44.12	5198	13-01-24	14.98	29.60	17.48	37.95	4471	0.99	34.47	20.35	44.19	5206					
2	TSL-GHATO	TAILINGS	688	10-01-24	9	110.160	JPP	10-01-24	11-01-24	1.09	35.51	19.50	43.90	5100	13-01-24	15.09	30.48	16.74	37.69	4378	1.02	35.54	19.51	43.93	5104					
3	TSL-GHATO	TAILINGS	689	11-01-24	6	183.280	JPP	11-01-24	12-01-24	1.24	38.33	19.73	40.70	4896	15-01-24	15.76	32.69	16.83	34.72	4176	1.09	38.39	19.76	40.76	4903					
4	TSL-GHATO	TAILINGS	690	12-01-24	5	154.100	JPP	12-01-24	13-01-24	1.35	37.71	19.79	41.15	4920	15-01-24	15.81	32.18	16.89	35.12	4199	1.24	37.75	19.81	41.20	4925					
5	TSL-GHATO	TAILINGS	787	13-01-24	7	196.120	JPP	13-01-24	14-01-24	1.15	36.02	20.63	42.20	5041	16-01-24	13.26	31.61	18.10	37.03	4423	1.06	36.05	20.65	42.24	5046					
6	TSL-GHATO	TAILINGS	788	14-01-24	1	231.970	JPP	14-01-24	15-01-24	1.17	36.65	20.78	41.40	4998	16-01-24	14.70	31.63	17.94	35.73	4314	1.11	36.67	20.79	41.43	5001					
7	TSL-GHATO	TAILINGS	819	15-01-24	7	25.200	JPP	15-01-24	16-01-24	1.35	36.95	19.92	41.78	4967	18-01-24	11.07	33.31	17.96	37.66	4478	0.99	37.08	19.99	41.93	4985					
8	TSL-GHATO	TAILINGS	820	16-01-24	5	153.650	JPP	16-01-24	17-01-24	1.30	38.29	19.75	40.66	4868	18-01-24	13.28	33.64	17.35	35.72	4277	0.86	38.46	19.84	40.84	4890					
9	TSL-GHATO	TAILINGS	869	17-01-24	8	241.740	JPP	17-01-24	18-01-24	1.45	39.12	19.84	39.59	4775	19-01-24	12.00	34.93	17.72	35.35	4264	0.95	39.32	19.94	39.79	4799					
10	TSL-GHATO	TAILINGS	959	18-01-24	6	192.730	JPP	18-01-24	19-01-24	1.48	37.56	20.21	40.75	4886	20-01-24	12.39	33.40	17.97	36.24	4345	1.01	37.74	20.31	40.94	4909					
11	TSL-GHATO	TAILINGS	989	19-01-24	11	332.650	JPP	19-01-24	20-01-24	1.50	42.39	18.10	38.01	4462	22-01-24	12.67	37.58	16.05	33.70	3956	1.29	42.48	18.14	38.09	4472					
12	TSL-GHATO	TAILINGS	1025	20-01-24	7	212.280	JPP	20-01-24	21-01-24	1.22	35.97	20.32	42.49	5032	23-01-24	11.97	32.06	18.11	37.87	4484	1.01	36.05	20.36	42.58	5043					
13	TSL-GHATO	TAILINGS	1035	21-01-24	11	353.890	JPP	21-01-24	22-01-24	1.35	36.27	20.48	41.90	5037	23-01-24	10.95	32.74	18.49	37.82	4547	1.08	36.37	20.54	42.01	5051					
14	TSL-GHATO	TAILINGS	1188	23-01-24	11	337.640	JPP	23-01-24	24-01-24	1.34	36.74	20.01	41.91	5074	25-01-24	10.98	33.15	18.05	37.82	4578	1.07	36.84	20.06	42.02	5088					
15	TSL-GHATO	TAILINGS	1277	24-01-24	6	194.730	JPP	24-01-24	25-01-24	1.14	36.19	20.85	41.82	5058	27-01-24	11.02	32.57	18.77	37.64	4553	1.11	36.20	20.86	41.83	5060					
16	TSL-GHATO	TAILINGS	1347	25-01-24	13	402.090	JPP	25-01-24	26-01-24	1.23	36.32	20.25	42.20	5246	29-01-24	15.72	30.99	17.28	36.01	4476	0.99	36.41	20.30	42.30	5259					
17	TSL-GHATO	TAILINGS	1348	26-01-24	8	262.420	JPP	26-01-24	27-01-24	1.11	36.33	20.13	42.43	4895	29-01-24	16.84	30.55	16.93	35.68	4116	1.07	36.34	20.14	42.45	4897					
18	TSL-GHATO	TAILINGS	1537	27-01-24	6	190.920	JPP	27-01-24	28-01-24	1.33	36.73	20.09	41.85	5268	31-01-24	14.03	32.00	17.50	36.46	4590	1.17	36.79	20.12	41.92	5277					
19	TSL-GHATO	TAILINGS	1538	28-01-24	6	191.310	JPP	28-01-24	29-01-24	1.42	37.15	20.11	41.32	5328	31-01-24	14.04	32.39	17.54	36.03	4646	1.29	37.20	20.14	41.37	5335					
20	TSL-GHATO	TAILINGS	1539	29-01-24	10	284.600	JPP	29-01-24	30-01-24	1.44	35.85	20.34	42.37	5285	31-01-24	12.85	31.70	17.99	37.46	4673	1.32	35.89	20.36	42.42	5291					
21	TSL-GHATO	TAILINGS	1672	30-01-24	4	120.350	JPP	30-01-24	31-01-24	1.18	37.48	20.10	41.24	4936	01-02-24	13.05	32.98	17.69	36.29	4343	1.03	37.54	20.13	41.30	4943					
22	TSL-GHATO	TAILINGS	1776	31-01-24	5	147.200	JPP	31-01-24	31-01-24	1.35	37.46	19.96	41.23	4927	02-02-24	13.49	32.85	17.50	36.16	4321	1.18	37.52	19.99	41.30	4935					
TOTAL/WTD.AVG.										155	4,804.120	--	--	1.29	37.07	20.06	41.58	5016		13.46	32.50	17.59	36.45	4397	1.09	37.14	20.10	41.67	5026	

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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)

**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 House 24,  
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, 2024 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 2024 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, 2024.

**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.

*G. Agarwala*



**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 31<sup>st</sup> March 2024. 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, 2024 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, 2024 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.

*G. Agarwal*

**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, 09<sup>th</sup> November 2024

UDIN:-24070743BKDAZY2496

## The Tata Power Company Limited

Month-wise Landed price of COAL at Unit 2 and Unit 3 during the financial year ended 31 March 2024

Particulars	Middling Coal - Break-up of Landed Price FY 2023-24 (Rs/Ton)											
	Apr-23	May-23	Jun-23	Jul-23	Aug-23	Sep-23	Oct-23	Nov-23	Dec-23	Jan-24	Feb-24	Mar-24
Base Price (including Sizing Charges) (1) -	4602	4602	-	-	-	3268	3268	3268	-	-	3318	3318
Applicable Tax (2)	657	657	-	-	-	590	590	590	-	-	593	593
Transportation Charges (3)	542	542	-	-	-	538	540	538	-	-	537	540
Handling Charges (4)	97	97	-	-	-	93	85	124	-	-	520	-287
Provisional adjustment/Stock adjustment (5)	-249	961	-	-	-	348	122	34	-	-	-122	266
Normative Transit Losses (6)	46	55	-	-	-	39	37	37	-	-	39	36
Landed Price (1)+(2)+(3)+(4)+(5)+(6)	5696	6915	-	-	-	4875	4643	4592	-	-	4885	4465

## CCL Shakti Washery Coal Break-up of Landed Price FY 2023-24 (Rs/Ton)

Particulars	Apr-23	May-23	Jun-23	Jul-23	Aug-23	Sep-23	Oct-23	Nov-23	Dec-23	Jan-24	Feb-24	Mar-24
	Base Price (including Sizing Charges) (1)	2973	2775	3083	3083	-	-	-	-	-	-	-
Applicable Tax (including Clean Energy Cess @ Rs 200/Ton &rs 400/ton) (2)	602	592	607	607	-	-	-	-	-	-	-	-
Transportation Charges (3)	1,064	1,059	1,053	1,053	-	-	-	-	-	-	-	-
Handling Charges (4)	101	185	216	216	-	-	-	-	-	-	-	-
Provisional adjustment/Stock adjustment (5)	55	159	-150	-150	-	-	-	-	-	-	-	-
Normative Transit Losses (6)	39	38	39	39	-	-	-	-	-	-	-	-
Landed Price (1)+(2)+(3)+(4)+(5)+(6)	4833	4809	4848	4848	-	-	-	-	-	-	-	-

*S. Prasad*



CCL SFA Coal Break-up of Landed Price FY 2023-24 (Rs/Ton)												
Particulars	Apr-23	May-23	Jun-23	Jul-23	Aug-23	Sep-23	Oct-23	Nov-23	Dec-23	Jan-24	Feb-24	Mar-24
Base Price (including Sizing Charges) (1)	-	1670	-	-	-	-	-	-	-	-	-	-
Applicable Tax (including Clean Energy Cess @ Rs 200/Ton &rs 400/ton) (2)	-	546	-	-	-	-	-	-	-	-	-	-
Transportation Charges (3)	-	1244	-	-	-	-	-	-	-	-	-	-
Handling Charges (4)	-	56	-	-	-	-	-	-	-	-	-	-
Provisional adjustment/Stock adjustment (5)	-	-19	-	-	-	-	-	-	-	-	-	-
Normative Transit Losses (6)	-	28	-	-	-	-	-	-	-	-	-	-
Landed Price (1)+(2)+(3)+(4)+(5)+(6)	-	3525	-	-	-	-	-	-	-	-	-	-

CCL Shakti Coal Round III- Break-up of Landed Price FY 2023-24 (Rs/Ton)												
Particulars	Apr-23	May-23	Jun-23	Jul-23	Aug-23	Sep-23	Oct-23	Nov-23	Dec-23	Jan-24	Feb-24	Mar-24
Base Price (including Sizing Charges) (1)	1641	1641	2091	1895	2374	2230	1994	1995	1847	2140	2326	2030
Applicable Tax (including Clean Energy Cess @ Rs 200/Ton &rs 400/ton) (2)	531	531	550	535	556	546	538	538	531	541	548	532
Transportation Charges (3)	983	983	916	801	755	699	759	760	769	675	628	605
Handling Charges (4)	71	71	57	134	93	181	165	-357	373	232	542	-258
Provisional adjustment/Stock adjustment (5)	95	86	318	180	-919	-955	115	19	291	-16	-554	380
Normative Transit Losses (6)	27	27	32	29	23	22	29	24	30	29	28	27
Landed Price (1)+(2)+(3)+(4)+(5)+(6)	3349	3340	3965	3572	2883	2723	3600	2978	3841	3600	3518	3315



*S. Prasad*

## CCL Shakti Coal - Break-up of Landed Price FY 2023-24 (Rs/Ton)

Particulars	Apr-23	May-23	Jun-23	Jul-23	Aug-23	Sep-23	Oct-23	Nov-23	Dec-23	Jan-24	Feb-24	Mar-24
Base Price (including Sizing Charges) (1)	1761	1952	1899	2115	1758	1640	2595	2595	-	-	-	-
Applicable Tax (including Clean Energy Cess @ Rs 200/Ton &rs 400/ton) (2)	551	506	546	539	536	526	564	564	-	-	-	-
Transportation Charges (3)	1,250	161	1,021	661	961	872	680	680	-	-	-	-
Handling Charges (4)	56	78	114	136	93	109	155	155	-	-	-	-
Provisional adjustment/Stock adjustment (5)	222	1191	442	363	-336	-62	-160	-136	-	-	-	-
Normative Transit Losses (6)	31	31	32	31	24	25	31	31	-	-	-	-
Landed Price (1)+(2)+(3)+(4)+(5)+(6)	3870	3918	4054	3844	3035	3110	3864	3888	-	-	-	-

## West Bokaro Reject Coal - Break-up of Landed Price FY 2023-24 (Rs/Ton)

Particulars	Apr-23	May-23	Jun-23	Jul-23	Aug-23	Sep-23	Oct-23	Nov-23	Dec-23	Jan-24	Feb-24	Mar-24
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)	-	-	-	-	-	-	-	-	-	-	-	-
Provisional adjustment/Stock adjustment (5)	422	-	422	422	-	-	-	-	-	-	-	-
Normative Transit Losses (6)	36	-	36	36	-	-	-	-	-	-	-	-
Landed Price (1)+(2)+(3)+(4)+(5)+(6)	4519	-	4519	4519	-	-	-	-	-	-	-	-

*J. Agarwal*



**West Bokaro Tailing Coal - Break-up of Landed Price FY 2023-24 (Rs/Ton)**

Particulars	Apr-22	May-23	Jun-23	Jul-23	Aug-23	Sep-23	Oct-23	Nov-23	Dec-23	Jan-24	Feb-24	Mar-24
Base Price (including Sizing Charges) (1)	7268	-	4602	4602	4602	4602	3574	4795	4795	4795	4795	4795
Applicable Tax (2)	800	-	667	667	667	667	612	677	677	677	677	677
Transportation Charges (3)	740	-	740	740	740	740	659	740	740	740	740	740
Handling Charges (4)	-	-	104	104	104	104	-	-	115	183	535	535
Provisional adjustment/Stock adjustment (5)	338	-	1221	1221	1221	1221	2489	-200	-1022	-728	-943	-943
Normative Transit Losses (6)	74	-	50	50	50	50	50	48	74	74	74	74
Landed Price (1)+(2)+(3)+(4)+(5)+(6)	9220	-	7384	7384	7384	7384	7384	6061	5379	5741	5878	5878

**ECL Shakti Coal - Break-up of Landed Price FY 2023-24 (Rs/Ton)**

Particulars	Apr-23	May-23	Jun-23	Jul-23	Aug-23	Sep-23	Oct-23	Nov-23	Dec-23	Jan-24	Feb-24	Mar-24
Base Price (including Sizing Charges) (1)	-	-	4170	4236	4234	-	4231	4231	4279	4279	4265	4265
Applicable Tax (2)	-	-	642	646	648	-	648	648	651	651	650	650
Transportation Charges (3)	-	-	677	680	727	-	737	727	735	734	735	735
Handling Charges (4)	-	-	115	141	96	-	148	-373	385	323	524	524
Provisional adjustment/Stock adjustment (5)	-	-	-281	98	-68	-	22	244	-194	-76	-162	-159
Normative Transit Losses (6)	-	-	43	47	45	-	47	44	47	48	49	49
Landed Price (1)+(2)+(3)+(4)+(5)+(6)	-	-	5366	5847	5683	-	5634	5521	5902	5958	6060	6063

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*Shrivastava*



ECL SFA Coal - Break-up of Landed Price FY 2023-24 (Rs/Ton)												
Particulars	Apr-23	May-23	Jun-23	Jul-23	Aug-23	Sep-23	Oct-23	Nov-23	Dec-23	Jan-24	Feb-24	Mar-24
Base Price (including Sizing Charges) (1)	-	-	-	-	-	-	-	-	-	-	6267	6267
Applicable Tax (2)	-	-	-	-	-	-	-	-	-	-	746	746
Transportation Charges (3)	-	-	-	-	-	-	-	-	-	-	660	660
Handling Charges (4)	-	-	-	-	-	-	-	-	-	-	511	511
Provisional adjustment/Stock adjustment (5)	-	-	-	-	-	-	-	-	-	-	-451	-451
Normative Transit Losses (6)	-	-	-	-	-	-	-	-	-	-	66	66
Landed Price (1)+(2)+(3)+(4)+(5)+(6)	-	-	-	-	-	-	-	-	-	-	7800	7800

MCL Shakti Coal - Break-up of Landed Price FY 2023-24 (Rs/Ton)												
Particulars	Apr-23	May-23	Jun-23	Jul-23	Aug-23	Sep-23	Oct-23	Nov-23	Dec-23	Jan-24	Feb-24	Mar-24
Base Price (including Sizing Charges) (1)	1256	1256	1287	1151	1167	1284	1225	1271	1271	1224	1141	1309
Applicable Tax (2)	511	513	513	500	500	509	504	506	506	504	500	500
Transportation Charges (3)	963	998	974	852	835	905	848	848	848	853	856	810
Handling Charges (4)	161	111	72	142	94	111	150	-387	-387	160	526	-235
Provisional adjustment/Stock adjustment (5)	-168	-105	-36	191	282	-186	-16	286	192	-6	-328	-402
Normative Transit Losses (6)	22	22	23	23	23	21	22	20	20	22	22	16
Landed Price (1)+(2)+(3)+(4)+(5)+(6)	2745	2795	2833	2860	2901	2645	2732	2544	2451	2757	2717	2062

For and On Behalf of The Tata Power Company Limited

Authorised Signatory

Place : Jojobera

Date: 09/11/2024.



*J. Agarwal*

Monthly Consumption Report of Various Coal Types at Jojobera Unit#2 for the year ended March 31, 2024														
Coal Type	Particulars	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
West Bokaro Tailing Coal	Consumption	Ton	60	-	878	3,501	707	147	514	7	612	484	1,610	2,875
West Bokaro Reject Coal	Consumption	Ton	40	-	1,124	352	-	-	-	-	-	-	-	-
ECL IPP-Auction	Consumption	Ton	-	-	-	-	-	-	-	-	-	-	3,353	2,529
CCL SFA Coal	Consumption	Ton	-	2,419	-	-	-	-	-	-	-	-	-	-
MCL SHAKTI Coal	Consumption	Ton	8,605	3,231	3,161	10,610	8,627	7,628	3,983	8,021	6,054	5,591	8,307	11,443
CCL SHAKTI Coal	Consumption	Ton	3,792	12,568	14,704	1,443	5,570	11,247	15,967	1,260	-	-	-	-
ECL SHAKTI Coal	Consumption	Ton	-	-	9,136	474	13,154	4,400	4,400	10,447	1,222	1,738	4,050	-
Middling Coal	Consumption	Ton	23,442	-	-	-	2,057	12,253	5,003	1,768	-	-	690	8,432
CCLSHAKTI WIV Coal	Consumption	Ton	12,579	30,501	24,347	1,298	-	-	-	-	-	-	-	-
CCLSHAKTI Coal Round III	Consumption	Ton	4,299	4,289	962	40,859	25,104	24,645	15,115	22,730	50,507	29,201	22,052	18,025

Monthly Consumption Report of Various Coal Types at Jojobera Unit#3 for the year ended March 31, 2024														
Coal Type	Particulars	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
West Bokaro Tailing Coal	Consumption	Ton	-	-	1,873	1,416	75	126	1,461	2,914	-	1,966	2,901	2,287
West Bokaro Reject Coal	Consumption	Ton	-	-	998	171	-	-	-	-	-	-	-	-
ECL IPP-Auction	Consumption	Ton	-	-	-	-	-	-	-	-	-	-	3,785	2,336
CCL SFA Coal	Consumption	Ton	-	1,463	-	-	-	-	-	-	-	-	-	-
MCL SHAKTI Coal	Consumption	Ton	8,929	3,030	9,907	4,542	10,184	8,402	5,456	18,103	-	9,601	13,692	10,803
CCL SHAKTI Coal	Consumption	Ton	3,796	8,479	17,638	1,161	11,435	13,398	17,069	890	-	-	-	-
ECL SHAKTI Coal	Consumption	Ton	-	-	13,422	541	2,641	6,842	6,29	75	9,890	9,890	3,596	63
Middling Coal	Consumption	Ton	29,397	7,211	-	-	1,536	11,323	6,175	5,153	-	-	1,125	9,488
CCLSHAKTI WIV Coal	Consumption	Ton	8,357	28,726	6,438	764	-	-	-	-	-	-	-	61
CCLSHAKTI Coal Round III	Consumption	Ton	4,899	4,547	900	44,085	27,926	22,305	17,295	25,203	2,059	28,773	19,844	19,843

**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:

09/11/2024.



*Sp. Jaganmohal*

UDIN:- 24070743BKJA ZZ 9762

**Independent Auditor's Report on Statement of monthly stock balance of light diesel oil (LDO) 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 September 11, 2024 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 March 31, 2024.
2. At the request of the management, we have examined the attached "Statement of monthly stock balance of light diesel oil (LDO) 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, 2024, 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, 2024 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 and for providing all relevant information to the JSERC.

**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 details of monthly stock of LDO at Jojobera division for the financial year ended March 31, 2024 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, 2024.



6. We have audited the standalone financial statements of the Company for the year ended March 31, 2024 on which we have issued an unmodified opinion vide our report dated May 8, 2024. 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 monthly stock balance of LDO of Jojobera division for the year ended March 31, 2024 as extracted from the material management module of the unit's ERP system.
  - b) Traced the opening stock and closing stock as at April 1, 2023 and March 31, 2024 respectively as stated in the Statement with the physical verification report as received from the Company.
  - c) Traced the details of the month wise receipt and consumption of LDO as prepared and compiled by the Company based on information available in the SAP (ERP used by the Company for its accounting purpose) to the material ledger (MB51 report) available in SAP. We have relied on such report and not performed any procedures.
  - d) Tested the arithmetical and clerical accuracy of the Statement.
  - e) 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.
  - f) 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 monthly stock balance of light diesel oil (LDO) at Jojobera Division of the Company for the year ended March 31, 2024 as



**S R B C & C O L L P**

Chartered Accountants

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 year ended March 31, 2024.

## 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 & C O L L P  
Chartered Accountants  
ICAI Firm Registration Number: 324982E/E300003



per Sanjay Agarwal  
Partner  
UDIN No: 24055833BKFQXE6673  
Membership Number: 055833



Place of Signature: Kolkata  
Date: September 18, 2024

**Statement of monthly stock balance of light diesel oil (LDO) at unit # 1, 2, 3 and 4 of Jojobera generation plant ('Jojobera Division') of the Company for the year ended March 31, 2024**

Particular	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
Opening Stock	Kilo Litre (kl)	686.27	824.77	778.41	737.27	815.91	829.76	530.15	521.66	701.84	553.48	677.48	655.88	686.27
Receipts	Kilo Litre (kl)	150.00	-	-	100.00	50.00	150.00	250.00	200.00	-	200.00	100.00	100.00	1,300.00
Consumption	Kilo Litre (kl)	-11.50	-46.36	-41.14	-21.36	-36.15	-449.61	-258.49	-19.83	-148.36	-76.00	-121.60	-92.00	-1,322.39
Closing Stock	Kilo Litre (kl)	824.77	778.41	737.27	815.91	829.76	530.15	521.66	701.84	563.48	677.48	655.88	663.88	663.88

**Note-**

- Quantity receipt and consumed has been extracted from the material ledger (i.e. MBS1 report) in SAP and statutory auditors have relied on the same.
- Stock balance as on April 1, 2023 and March 31, 2024 has been extracted based on MBSB report available in SAP and statutory auditors have relied on the same.

For and on behalf of The Tata Power Company Limited



Jagmit Singh Sidhu  
Chief- Jamshedpur Operations  
Place : Jojobera, Jamshedpur, 831016  
Date : 13.09.2024

**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

**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 September 11, 2024 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 March 31, 2024.
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, 2024, 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, 2024 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.

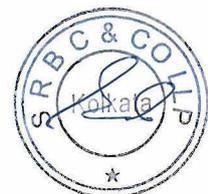
**Auditor's Responsibility for the Statement**

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 2023-24 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, 2024.

6. We have audited the standalone financial statements of the Company for the year ended March 31, 2024, on which we have issued an unmodified opinion vide our report dated May 8, 2024. 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, 2024.
    - 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



**S R B C & CO LLP**

Chartered Accountants

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, 2024 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, 2024.

**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: 24055833BKFQXF8814  
Membership Number: 055833



Place of Signature: Kolkata  
Date: September 18, 2024

**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, 2024**

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 (A)	Kilo Litre (KL)	2.00	1.00	0.50	10.00	1.50	196.50	35.00	3.00	2.50	66.00	2.00	4.00	324.00
LDO Consumption Value (B)	Rs	1,52,927	76,330	38,165	7,57,972	1,13,069	1,51,90,858	28,61,991	2,47,715	2,06,429	52,93,649	1,59,121	3,16,094	2,54,14,321
LDO Consumption Rate (B/A)	Rs/KL	76,464	76,330	76,330	75,797	75,379	77,307	81,771	82,572	82,572	80,207	79,561	79,023	78,439
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 (A)	Kilo Litre (KL)	2.00	11.50	0.50	5.00	5.00	82.61	33.50	3.00	129.00	4.00	2.50	33.00	311.61
LDO Consumption Value (B)	Rs	1,52,927	8,77,794	38,165	3,78,986	3,76,897	63,86,036	27,39,334	2,47,715	1,06,51,744	3,20,827	1,98,902	26,07,773	2,49,77,100
LDO Consumption Rate (B/A)	Rs/KL	76,464	76,330	76,330	75,797	75,379	77,307	81,771	82,572	82,572	80,207	79,561	79,023	80,156

Note:

- 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



Jagmit Singh Sidhu  
Chief- Jamshedpur Operations  
Place : Jojobera, Jamshedpur, 831016  
Date : 13.09.2024

**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



# SCIENTIFIC RESEARCH LABORATORY

(Analytical & Environmental Engineering Laboratory)

Laboratory Recognised By Jharkhand State Pollution Control Board  
An ISO 9001:2015, ISO 14001:2015 & ISO 45001:2018 (OHSAS) Certified

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**ANNEXURE P9.**

LDO report- Apr'23 to  
Mar'24

90, Lake East (4th Road) Santoshpur, Jadavpur, Kolkata - 700 075  
Tele Fax : (033) 2416 2267, Tel.: (033) 2416 1311  
E-mail : jyotirmoysrl@gmail.com, srlkolenvironmental@gmail.com  
Website : www.srlkolkata.com

C-144, Aman Green City, Pundang, Ranchi - 834004, Jharkhand  
Tel. : 06512950060, Mobile : 9470130700  
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 [STORE]

Sample Identification No. : MISC. LIGHT DIESEL OIL -065-2023

Sample Collected By : Scientific Research Laboratory

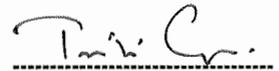
Environmental Condition : Clear Sampling Date : 10.04.2023

Sample Receiving/Analysis Starting On : 10.04.2023 Analysis Completed On : 21.04.2023

## TEST REPORT OF LIGHT DIESEL OIL

[SRL/TPCL(J) / MISC. LIGHT DIESEL OIL -065-2023 Dated: 21.04.2023]

Sl. no.	Parameters	Unit	Results	Test Method Specification
<b>Physical &amp; Chemical Properties of LDO</b>				
1.	Kinematic Viscosity at 40°C	cSt.	14.5	IS 1448 : Part 25
2.	Flash point	°C	82.0	IS 1448 : Part 21
3.	Density at 15°C	g/cc	0.891	IS 1448 : Part 16
4.	Calorific Value	Kcl/kg	10592	IS 1448 : Part 6
5.	Moisture	(%)	0.07	IS 1448 : Part 40
6.	Carbon	(%)	80.9	IS 1448 : Part 8
7.	Sulphur	(%)	0.29	IS 1448 : Part 33

  
-----  
Tripti Ghosh  
(Authorized Signatory)

-----End of Test Report-----  
1 of 1

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E-mail : jyotirmoysrl@gmail.com, srkolenvironmental@gmail.com  
Website : www.srlkolkata.com

C-144, Aman Green City, Pundang, Ranchi - 834004, Jharkhand  
Tel. : 06512950060, Mobile : 9470130700  
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 [STORE]

Sample Identification No. : MISC. LIGHT DIESEL OIL -073-2023

Sample Collected By : Scientific Research Laboratory

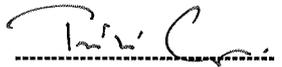
Environmental Condition : Clear Sampling Date : 13.05.2023

Sample Receiving/Analysis Starting On : 13.05.2023 Analysis Completed On : 21.05.2023

## TEST REPORT OF LIGHT DIESEL OIL

[SRL/TPCL(J) / MISC. LIGHT DIESEL OIL -073-2023 Dated: 21.05.2023]

Sl. no.	Parameters	Unit	Results	Test Method Specification
<b>Physical &amp; Chemical Properties of LDO</b>				
1.	Kinematic Viscosity at 40°C	cSt.	14.4	IS 1448 : Part 25
2.	Flash point	°C	85.0	IS 1448 : Part 21
3.	Density at 15°C	g/cc	0.826	IS 1448 : Part 16
4.	Calorific Value	Kcl/kg	10720	IS 1448 : Part 6
5.	Moisture	(%)	0.06	IS 1448 : Part 40
6.	Carbon	(%)	85.1	IS 1448 : Part 8
7.	Sulphur	(%)	0.22	IS 1448 : Part 33

  
Tripti Ghosh  
(Authorized Signatory)

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C-144, Aman Green City, Pundang, Ranchi - 834004, Jharkhand  
Tel. : 06512950060, Mobile : 9470130700  
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 [STORE]

Sample Identification No. : MISC. LIGHT DIESEL OIL -098-2023

Sample Collected By : Scientific Research Laboratory

Environmental Condition : Clear Sampling Date : 09.06.2023

Sample Receiving/Analysis Starting On : 09.06.2023 Analysis Completed On : 20.06.2023

## TEST REPORT OF LIGHT DIESEL OIL

[SRL/TPCL(J) / MISC. LIGHT DIESEL OIL -098-2023 Dated: 20.06.2023]

Sl. no.	Parameters	Unit	Results	Test Method Specification
<b>Physical &amp; Chemical Properties of LDO</b>				
1.	Kinematic Viscosity at 40°C	cSt.	10.4	IS 1448 : Part 25
2.	Flash point	°C	82.0	IS 1448 : Part 21
3.	Density at 15°C	g/cc	0.868	IS 1448 : Part 16
4.	Calorific Value	Kcl/kg	10270	IS 1448 : Part 6
5.	Moisture	(%)	0.06	IS 1448 : Part 40
6.	Carbon	(%)	82.46	IS 1448 : Part 8
7.	Sulphur	(%)	0.21	IS 1448 : Part 33

Dr. Jyotirmoy Majumdar  
(Authorized Signatory)

-----End of Test Report-----

1 of 1

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C-144, Aman Green City, Pundang, Ranchi - 834004, Jharkhand  
Tel. : 06512950060, Mobile : 9470130700  
E-mail : niraiksingh2003@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 [STORE]  
Sample Identification No. : MISC. LIGHT DIESEL OIL -193-2023  
Sample Collected By : Scientific Research Laboratory  
Environmental Condition : Clear Sampling Date : 14.07.2023  
Sample Receiving/Analysis Starting On : 14.07.2023 Analysis Completed On : 22.07.2023

## TEST REPORT OF LIGHT DIESEL OIL [SRL/TPCL(J) / MISC. LIGHT DIESEL OIL -193-2023 Dated: 22.07.2023]

Sl. no.	Parameters	Unit	Results	Test Method Specification
<b>Physical &amp; Chemical Properties of LDO</b>				
1.	Kinematic Viscosity at 40°C	cSt.	12.4	IS 1448 : Part 25
2.	Flash point	°C	83.0	IS 1448 : Part 21
3.	Density at 15°C	g/cc	0.884	IS 1448 : Part 16
4.	Calorific Value	Kcl/kg	10470	IS 1448 : Part 6
5.	Moisture	(%)	0.06	IS 1448 : Part 40
6.	Carbon	(%)	80.4	IS 1448 : Part 8
7.	Sulphur	(%)	0.25	IS 1448 : Part 33

Dr. Jyotirmoy Majumdar  
(Authorized Signatory)

-----End of Test Report-----  
1 of 1

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Tel. : 06512950060, Mobile : 9470130700  
E-mail : niraiksingh2003@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 [STORE]**

Sample Identification No. : **MISC. LIGHT DIESEL OIL -292-2023**

Sample Collected By : **Scientific Research Laboratory**

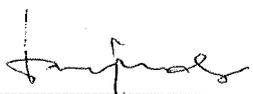
Environmental Condition : **Clear** Sampling Date : **12.08.2023**

Sample Receiving/Analysis Starting On : **12.08.2023** Analysis Completed On : **24.08.2023**

## TEST REPORT OF LIGHT DIESEL OIL

[SRL/TPCL(J) / MISC. LIGHT DIESEL OIL -292-2023 Dated: 24.08.2023]

Sl. no.	Parameters	Unit	Results	Test Method Specification
<b>Physical &amp; Chemical Properties of LDO</b>				
1.	Kinematic Viscosity at 40°C	cSt.	14.2	IS 1448 : Part 25
2.	Flash point	°C	84.0	IS 1448 : Part 21
3.	Density at 15°C	g/cc	0.864	IS 1448 : Part 16
4.	Calorific Value	Kcl/kg	10625	IS 1448 : Part 6
5.	Moisture	(%)	0.06	IS 1448 : Part 40
6.	Carbon	(%)	79.6	IS 1448 : Part 8
7.	Sulphur	(%)	0.22	IS 1448 : Part 33

  
 -----  
**Dr. Jyotirmoy Majumdar**  
 (Authorized Signatory)

-----End of Test Report-----  
1 of 1

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Website : www.srlkolkata.com

C-144, Aman Green City, Pundang, Ranchi - 834004, Jharkhand  
Tel. : 06512950060, Mobile : 9470130700  
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 [STORE]

Sample Identification No. : MISC. LIGHT DIESEL OIL -347-2023

Sample Collected By : Scientific Research Laboratory

Environmental Condition : Clear Sampling Date : 16.09.2023

Sample Receiving/Analysis Starting On : 16.09.2023 Analysis Completed On : 23.09.2023

## TEST REPORT OF LIGHT DIESEL OIL

[SRL/TPCL(J) / MISC. LIGHT DIESEL OIL -347-2023 Dated: 24.09.2023]

Sl. no.	Parameters	Unit	Results	Test Method Specification
<b>Physical &amp; Chemical Properties of LDO</b>				
1.	Kinematic Viscosity at 40°C	cSt.	10.4	IS 1448 : Part 25
2.	Flash point	°C	84.0	IS 1448 : Part 21
3.	Density at 15°C	g/cc	0.854	IS 1448 : Part 16
4.	Calorific Value	Kcal/kg	10340	IS 1448 : Part 6
5.	Moisture	(%)	0.05	IS 1448 : Part 40
6.	Carbon	(%)	75.66	IS 1448 : Part 8
7.	Sulphur	(%)	0.22	IS 1448 : Part 33

Dr. Jyotirmoy Majumdar  
(Authorized Signatory)

-----End of Test Report-----  
1 of 1

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Tel. : 06512950060, Mobile : 9470130700  
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 [STORE]

Sample Identification No. : MISC. LIGHT DIESEL OIL -368-2023

Sample Collected By : Scientific Research Laboratory

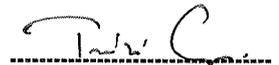
Environmental Condition : Clear Sampling Date : 07.10.2023

Sample Receiving/Analysis Starting On : 07.10.2023 Analysis Completed On : 17.10.2023

## TEST REPORT OF LIGHT DIESEL OIL

[SRL/TPCL#1-5(J) / MISC. LIGHT DIESEL OIL -368-2023 Dated: 17.10.2023]

Sl. no.	Parameters	Unit	Results	Test Method Specification
<b>Physical &amp; Chemical Properties of LDO</b>				
1.	Kinematic Viscosity at 40°C	cSt.	10.15	IS 1448 : Part 25
2.	Flash point	°C	82.0	IS 1448 : Part 21
3.	Density at 15°C	g/cc	0.840	IS 1448 : Part 16
4.	Calorific Value	Kcal/kg	10245	IS 1448 : Part 6
5.	Moisture	(%)	0.055	IS 1448 : Part 40
6.	Carbon	(%)	78.60	IS 1448 : Part 8
7.	Sulphur	(%)	0.20	IS 1448 : Part 33

  
-----  
Tripti Ghosh  
(Authorized Signatory)

-----End of Test Report-----  
1 of 1

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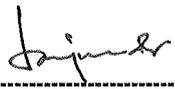
C-144, Aman Green City, Pundang, Ranchi - 834004, Jharkhand  
Tel. : 06512950060, Mobile : 9470130700  
E-mail : nirajksingh2003@yahoo.co.in.

## 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 [STORE]  
Sample Identification No. : MISC. LIGHT DIESEL OIL -393-2023  
Sample Collected By : Scientific Research Laboratory  
Environmental Condition : Clear Sampling Date : 10.11.2023  
Sample Receiving/Analysis Starting On : 10.11.2023 Analysis Completed On : 18.11.2023

## TEST REPORT OF LIGHT DIESEL OIL [SRL/TPCL#1-5(J) / MISC. LIGHT DIESEL OIL -393-2023 Dated: 18.11.2023]

Sl. no.	Parameters	Unit	Results	Test Method Specification
<b>Physical &amp; Chemical Properties of LDO</b>				
1.	Kinematic Viscosity at 40°C	cSt.	10.10	IS 1448 : Part 25
2.	Flash point	°C	79.0	IS 1448 : Part 21
3.	Density at 15°C	g/cc	0.845	IS 1448 : Part 16
4.	Calorific Value	Kcl/kg	10230	IS 1448 : Part 6
5.	Moisture	(%)	0.052	IS 1448 : Part 40
6.	Carbon	(%)	80.50	IS 1448 : Part 8
7.	Sulphur	(%)	0.22	IS 1448 : Part 33

  
-----  
Dr. Jyotirmoy Majumdar  
(Authorized Signatory)

-----End of Test Report-----  
1 of 1

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C-144, Aman Green City, Pundang, Ranchi - 834004, Jharkhand  
Tel. : 06512950060, Mobile : 9470130700  
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 [STORE]

Sample Identification No. : MISC. LIGHT DIESEL OIL -412-2023

Sample Collected By : Scientific Research Laboratory

Environmental Condition : Clear Sampling Date : 09.12.2023

Sample Receiving/Analysis Starting On : 09.12.2023 Analysis Completed On : 23.12.2023

## TEST REPORT OF LIGHT DIESEL OIL

[SRL/TPCL#1-5(J) / MISC. LIGHT DIESEL OIL -412-2023 Dated: 23.12.2023]

Sl. no.	Parameters	Unit	Results	Test Method Specification
<b>Physical &amp; Chemical Properties of LDO</b>				
1.	Kinematic Viscosity at 40°C	cSt.	10.20	IS 1448 : Part 25
2.	Flash point	°C	83.0	IS 1448 : Part 21
3.	Density at 15°C	g/cc	0.888	IS 1448 : Part 16
4.	Calorific Value	Kcl/kg	10112	IS 1448 : Part 6
5.	Moisture	(%)	0.052	IS 1448 : Part 40
6.	Carbon	(%)	80.45	IS 1448 : Part 8
7.	Sulphur	(%)	0.25	IS 1448 : Part 33

  
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Dr. Jyotirmoy Majumdar  
(Authorized Signatory)

-----End of Test Report-----  
1 of 1

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# SCIENTIFIC RESEARCH LABORATORY

(Analytical & Environmental Engineering Laboratory)

Laboratory Recognised By Jharkhand State Pollution Control Board  
An ISO 9001:2015, ISO 14001:2015 & ISO 45001:2018 (OHSAS) Certified

90, Lake East (4th Road) Santoshpur, Jadavpur, Kolkata - 700 075  
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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 -006-2024

Sample Collected By : Scientific Research Laboratory

Environmental Condition 12.01.2024 : Clear Sampling Date : 12.01.2024

Sample Receiving/Analysis Starting On : 12.01.2024 Analysis Completed On : 24.01.2024

## TEST REPORT OF LIGHT DIESEL OIL

[SRL/TPCL#1-5(J) / MISC. LIGHT DIESEL OIL -006-2024 Dated: 24.01.2024]

Sl. no.	Test Parameters	Unit	Results	Test Method Specification
<b>Physical &amp; Chemical Properties of LDO</b>				
1.	Kinematic Viscosity at 40°C	cSt.	10.15	IS 1448 : Part 25
2.	Flash point	°C	85.0	IS 1448 : Part 21
3.	Density at 15°C	g/cc	0.856	IS 1448 : Part 16
4.	Calorific Value	Kcl/kg	10750	IS 1448 : Part 6
5.	Moisture	(%)	0.075	IS 1448 : Part 40
6.	Carbon	(%)	79.55	IS 1448 : Part 8
7.	Sulphur	(%)	0.22	IS 1448 : Part 33

Dr. Jyotirmoy Majumdar  
(Authorized Signatory)

-----End of Test Report-----

1 of 1

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(Analytical & Environmental Engineering Laboratory)

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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 [STORE]**

Sample Identification No. : **MISC. LIGHT DIESEL OIL -036-2024**

Sample Collected By : **Scientific Research Laboratory**

Environmental Condition : **Clear** Sampling Date : **10.02.2024**

Sample Receiving/Analysis Starting On : **12.02.2024** Analysis Completed On : **23.02.2024**

## TEST REPORT OF LIGHT DIESEL OIL

[SRL/TPCL#1-5(J) / MISC. LIGHT DIESEL OIL -036-2024 Dated: 23.02.2024]

Sl. no.	Parameters	Unit	Results	Test Method Specification
<b>Physical &amp; Chemical Properties of LDO</b>				
1.	Kinematic Viscosity at 40°C	cSt.	10.24	IS 1448 : Part 25
2.	Flash point	°C	80.0	IS 1448 : Part 21
3.	Density at 15°C	g/cc	0.852	IS 1448 : Part 16
4.	Calorific Value	Kcl/kg	10280	IS 1448 : Part 6
5.	Moisture	(%)	0.06	IS 1448 : Part 40
6.	Carbon	(%)	78.2	IS 1448 : Part 8
7.	Sulphur	(%)	0.26	IS 1448 : Part 33

  
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**Dr. Jyotirmoy Majumdar**  
 (Authorized Signatory)

-----End of Test Report-----

1 of 1

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Tel. : 06512950060, Mobile : 9470130700  
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 [STORE]**

Sample Identification No. : **MISC. LIGHT DIESEL OIL -050-2024**

Sample Collected By : **Scientific Research Laboratory**

Environmental Condition : **Clear** Sampling Date : **08.03.2024**

Sample Receiving/Analysis Starting On : **08.03.2024** Analysis Completed On : **21.03.2024**

## TEST REPORT OF LIGHT DIESEL OIL

[SRL/TPCL#1-5(J) / MISC. LIGHT DIESEL OIL -050-2024 Dated: 21.03.2024]

Sl. no.	Parameters	Unit	Results	Test Method Specification
<b>Physical &amp; Chemical Properties of LDO</b>				
1.	Kinematic Viscosity at 40°C	cSt.	10.19	IS 1448 : Part 25
2.	Flash point	°C	82.0	IS 1448 : Part 21
3.	Density at 15°C	g/cc	0.840	IS 1448 : Part 16
4.	Calorific Value	Kcl/kg	10675	IS 1448 : Part 6
5.	Moisture	(%)	0.072	IS 1448 : Part 40
6.	Carbon	(%)	76.75	IS 1448 : Part 8
7.	Sulphur	(%)	0.24	IS 1448 : Part 33

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**Dr. Jyotirmoy Majumdar**  
(Authorized Signatory)

-----End of Test Report-----

1 of 1

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**ANNEXURE- P10****Consumption of CCL WIV (in MT) Under Round 2 and Round 3**

		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	In % Terms
<b>Unit-2</b>															
Round 2	MT	0.00	30501.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	30501.00	44.38%
Round 3	MT	12579.00	0.00	24347.38	1298.48	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	38224.86	55.62%
<b>Total</b>	<b>MT</b>	<b>12579.00</b>	<b>30501.00</b>	<b>24347.38</b>	<b>1298.48</b>	<b>0.00</b>	<b>68725.86</b>	<b>100.00%</b>							
<b>Unit-3</b>		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	In % Terms
Round 2	MT	0.00	28726.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	28726.00	64.87%
Round 3	MT	8357.00	0.00	6437.73	764.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	15558.73	35.13%
<b>Total</b>	<b>MT</b>	<b>8357.00</b>	<b>28726.00</b>	<b>6437.73</b>	<b>764.00</b>	<b>0.00</b>	<b>44284.73</b>	<b>100.00%</b>							

	1	2	3	4	5	6	7	8
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)
1	Hydraulic Auger for CHP (Carry Forward)	P&M in Gen Stn	Add Cap	new	456	456	1,2,3,4,5	200
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	Up Gradation of FSSS and BOP Control System (Carry Forward)	P&M in Gen Stn	Original	Replacement		133.04	2	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
5	Turbine and Generator Bearing sets (Carry Forward)	P&M in Gen Stn	Add Cap	new		78.97	2	78.97
6	Turbine and Generator Bearing sets(Carry Forward)	P&M in Gen Stn	Add Cap	new		78.97	3	78.97
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
8	Control Room AC System	Air Conditioning Plants (Static)	Original	Replacement	345	633.5	2,3	633.5
9	Ash Conveying pipe line	P&M in Gen Stn	Original	Replacement	280	280	2,3	280
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
11	Turbine Parting Plane Bolts & Coupling Bolts	P&M in Gen Stn	Original	Replacement	433.76	433.76	2	433.76
12	BFP Destaging	P&M in Gen Stn	Add Cap	Techn. Upgradation	275	275	2,3	275
13	CHP Dozer	Self-propelled vehicle	Original	Replacement	540	725	1,2,3,4,5	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
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
16	Upgradation of Fans Pneumatic Actuators to Electrical Actuator	P&M in Gen Stn	Original	Replacement	240	240	2,3	240.00
17	CHP PLC Upgradation	P&M in Gen Stn	Original	Replacement	150	150	1,2,3,4,5	65.75
18	Spray Nozzle for Boiler	P&M in Gen Stn	Original	Replacement		70	3	70.00
19	Spray Nozzle for Boiler	P&M in Gen Stn	Original	Replacement		70	2	70.00
20	Upgradation of DAVR(Digital Automatic Voltage Regulator)	P&M in Gen Stn	Original	Replacement		130	3	130.00
21	Upgradation of DAVR(Digital Automatic Voltage Regulator)	P&M in Gen Stn	Original	Replacement		130	2	130.00
22	Procurement of Laptops/IT Equipments	IT Assets	Add Cap	Replacement			1,2,3,4,5	0.00
23	Procurement of Chairs for Auditorium/Training Centre	Office Furniture and Furnishings	Add Cap	Replacement			1,2,3,4,5	0.00
24	Upgradation of Metering System	Meters	Add Cap	new		-0.55	1,2,3,4,5	-0.24
25	Procurement of Water Coolers	Office Furniture and Furnishings	Add Cap	new			1,2,3,4,5	
26	Vehicles	Self-propelled vehicles	Add Cap				1,2,3,4,5	
27	Critical spare for compressor		Add Cap	New			2,3	675.00
28	Upgradation of DM plant		Add Cap	New			2,3	413.00
29	Upgradation of Boiler Lift		Add Cap	New			2	50.00
30	Upgradation for Ash handling plant PLC		Add Cap	New			2,3	200.00
31	Upgradation of cyber security system		Add Cap	New			2,3	400.00
	<b>Total</b>				<b>3,481.05</b>	<b>4,751.01</b>		<b>5284.32</b>

## ANNEXURE P11: CAPEX PLAN

Sr. No.	Project Description	Approved Cap. Plan-(MYT Order) ( Value Apportioned to Unit 2&3)						MYT:Approved De-Capitalisation Plan (Value Apportioned to Unit 2&3)					
		9	10	11	12	13	14	15	16	17	18	19	20
		1											
		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)	200					200.00						
2	Replacement of Dead Tank CT with Live Tank CT (Carry forward)	11.84	17.75	21.70	24.99		76.28	3.86	5.57	6.55	7.25	-	23.23
3	Up Gradation of FSSS and BOP Control System (Carry Forward)						-						
4	Up Gradation of FSSS and BOP Control System (Carry Forward)						-						
5	Turbine and Generator Bearing sets (Carry Forward)						-						
6	Turbine and Generator Bearing sets(Carry Forward)						-						
7	Up Gradation of Plant Information System(Carry forward)						-						
8	Control Room AC System	172.5	172.5				345.00	56.30	54.13	-	-	-	110.43
9	Ash Conveying pipe line	100	180				280.00	32.64	56.48	-	-	-	89.12
10	Workshop machine Tools, Condition Monitoring tools & Mobile Environmental dust Extractor	32.88	54.79				87.67						
11	Turbine Parting Plane Bolts & Coupling Bolts		433.76				433.76	-	136.11	-	-	-	136.11
12	BFP Destaging	275					275.00						
13	CHP Dozer	236.71					236.71	77.26	-	-	-	-	77.26
14	New Weigh Bridge for Bulker	49.11					49.11						-
15	Multi-Layered Security System for Jojobera Power Plant.	65.75	54.79				120.55						-
16	Upgradation of Fans Pneumatic Actuators to Electrical Actuator	240.0					240.00	7.83					7.83
17	CHP PLC Upgradation						-						
18	Spray Nozzle for Boiler												
19	Spray Nozzle for Boiler												
20	Upgradation of DAVR(Digital Automatic Voltage Regulator)												
21	Upgradation of DAVR(Digital Automatic Voltage Regulator)												
22	Procurement of Laptops/IT Equipments						-						
23	Procurement of Chairs for Auditorium/Training Centre						-						
24	Upgradation of Metering System												
25	Procurement of Water Coolers												
26	Vehicles												
27	Critical spare for compressor												
28	Upgradation of DM plant												
29	Upgradation of Boiler Lift												
30	Upgradation for Ash handling plant PLC												
31	Upgradation of cyber security system												
	<b>Total</b>	<b>1,383.79</b>	<b>913.60</b>	<b>21.70</b>	<b>24.99</b>	<b>-</b>	<b>2,344.08</b>	<b>177.89</b>	<b>252.29</b>	<b>6.55</b>	<b>7.25</b>	<b>-</b>	<b>443.97</b>

## ANNEXURE P11: CAPEX PLAN

Sr. No.	Project Description	Approved Cap. Plan (APR Order)(Value Apportioned to Unit 2&3)						APR- Approved De-Capitalisation Plan (Value Apportioned to Unit 2&3)					
		21	22	23	24	25	26	27	28	29	30	31	32
		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)				200.00		200.00						-
2	Replacement of Dead Tank CT with Live Tank CT (Carry forward)	24.87	13.51	26.61	24.99		89.98	7.78	3.91	7.13	6.19	-	25.01
3	Up Gradation of FSSS and BOP Control System (Carry Forward)	133.04					133.04	29.89					29.89
4	Up Gradation of FSSS and BOP Control System (Carry Forward)	52.83					52.83		-11.87				-11.87
5	Turbine and Generator Bearing sets (Carry Forward)	36.28	36.90				73.18						-
6	Turbine and Generator Bearing sets(Carry Forward)	73.18	-				73.18						-
7	Up Gradation of Plant Information System(Carry forward)	9.46					9.46						-
8	Control Room AC System			633.50			633.50	-	-	169.67	-	-	169.67
9	Ash Conveying pipe line			280.00			280.00	-	-	74.99	-	-	74.99
10	Workshop machine Tools, Condition Monitoring tools & Mobile Environmental dust Extractor			38.58	49.10		87.67						-
11	Turbine Parting Plane Bolts & Coupling Bolts				433.76		433.76	-	-	-	107.51	-	107.51
12	BFP Destaging	222.54	18.09	-			240.63						-
13	CHP Dozer			317.81			317.81	-	-	85.12	-	-	85.12
14	New Weigh Bridge for Bulker			49.11			49.11	-	-	-	-	-	-
15	Multi-Layered Security System for Jojobera Power Plant.			52.84	67.71		120.54						-
16	Upgradation of Fans Pneumatic Actuators to Electrical Actuator			240.00			240.00			7.83			7.83
17	CHP PLC Upgradation		65.63				65.63	-	19.00	-	-	-	19.00
18	Spray Nozzle for Boiler					70.00	70.00	-	-	-	-	16.06	16.06
19	Spray Nozzle for Boiler				70.00		70.00	-	-	-	17.35	-	17.35
20	Upgradation of DAVR(Digital Automatic Voltage Regulator)					130.00	130.00	-	-	-	-	29.82	29.82
21	Upgradation of DAVR(Digital Automatic Voltage Regulator)				130.00		130.00	-	-	-	32.22	-	32.22
22	Procurement of Laptops/IT Equipments	6.80	4.16				10.95	3.55	4.58				8.13
23	Procurement of Chairs for Auditorium/Training Centre	4.93					4.93						-
24	Upgradation of Metering System	-0.24					-0.24						
25	Procurement of Water Coolers		0.88				0.88						
26	Vehicles		19.38				19.38	7.84					7.84
27	Critical spare for compressor												
28	Upgradation of DM plant												
29	Upgradation of Boiler Lift												
30	Upgradation for Ash handling plant PLC												
31	Upgradation of cyber security system												
	<b>Total</b>	<b>563.70</b>	<b>158.55</b>	<b>1,638.44</b>	<b>975.55</b>	<b>200.00</b>	<b>3,536.24</b>	<b>49.06</b>	<b>15.61</b>	<b>344.74</b>	<b>163.27</b>	<b>45.87</b>	<b>618.56</b>

		Actual Capitalisation (FY22,23,24) and revised Cap. Plan (FY25,26)						Actual DeCap (FY22,23,24) and revised DeCap. Plan (FY25,26)					
1		33	34	35	36	37	38	39	40	41	42	43	44
Sr. No.	Project Description	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)					200.00	200.00	-	-	-	-	55.10	55.10
2	Replacement of Dead Tank CT with Live Tank CT (Carry forward)	24.87	13.51	40.34	11.26		89.98	7.78	3.91	11.48	3.15	-	26.33
3	Up Gradation of FSSS and BOP Control System (Carry Forward)	133.04					133.04	29.89	-	-	-	-	29.89
4	Up Gradation of FSSS and BOP Control System (Carry Forward)	52.83					52.83	-	-11.87	-	-	-	-11.87
5	Turbine and Generator Bearing sets (Carry Forward)	36.28	36.90				73.18	-	-	-	-	-	-
6	Turbine and Generator Bearing sets(Carry Forward)	73.18	-				73.18	-	-	-	-	-	-
7	Up Gradation of Plant Information System(Carry forward)	9.46					9.46	-	-	-	-	-	-
8	Control Room AC System			505.08	129.13		634.21	-	-	119.17	36.16	-	155.34
9	Ash Conveying pipe line			276.20			276.20	-	-	56.82	-	-	56.82
10	Workshop machine Tools, Condition Monitoring tools & Mobile Environmental dust Extractor				87.68		87.68	-	-	-	24.55	-	24.55
11	Turbine Parting Plane Bolts & Coupling Bolts				433.76		433.76	-	-	-	121.48	-	121.48
12	BFP Destaging	222.54	18.09	-			240.63	-	-	-	-	-	-
13	CHP Dozer			306.65			306.65	-	-	87.30	-	-	87.30
14	New Weigh Bridge for Bulker				49.11		49.11	-	-	-	13.75	-	13.75
15	Multi-Layered Security System for Jojobera Power Plant.				120.55		120.55	-	-	-	33.76	-	33.76
16	Upgradation of Fans Pneumatic Actuators to Electrical Actuator			239.68			239.68	-	-	68.24	-	-	68.24
17	CHP PLC Upgradation		65.63				65.63	-	18.99	-	-	-	18.99
18	Spray Nozzle for Boiler					70.00	70.00	-	-	-	-	19.28	19.28
19	Spray Nozzle for Boiler				70.00		70.00	-	-	-	19.60	-	19.60
20	Upgradation of DAVR(Digital Automatic Voltage Regulator)					130.00	130.00	-	-	-	-	35.81	35.81
21	Upgradation of DAVR(Digital Automatic Voltage Regulator)				130.00		130.00	-	-	-	36.41	-	36.41
22	Procurement of Laptops/IT Equipments	6.80	4.16	30.40			41.36	3.55	4.58	15.96	-	-	24.08
23	Procurement of Chairs for Auditorium/Training Centre	4.93		-			4.93		-	-	-	-	-
24	Upgradation of Metering System	-0.24		-			-0.24		-	-	-	-	-
25	Procurement of Water Coolers		0.88	-			0.88	-	0.25	-	-	-	0.25
26	Vehicles		19.38	29.76			49.14	7.84	5.61	8.47	-	-	21.92
27	Critical spare for compressor					675.00	675.00						-
28	Upgradation of DM plant					413.00	413.00						-
29	Upgradation of Boiler Lift					50.00	50.00						-
30	Upgradation for Ash handling plant PLC					200.00	200.00						-
31	Upgradation of cyber security system					400.00	400.00						-
<b>Total</b>		<b>563.69</b>	<b>158.55</b>	<b>1,428.12</b>	<b>1,031.49</b>	<b>2,138.00</b>	<b>5,319.85</b>	<b>49.06</b>	<b>21.48</b>	<b>367.45</b>	<b>288.87</b>	<b>110.19</b>	<b>837.04</b>

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

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.

**Kumar Dilip**

**Subject:** Unit 2 & 3 AC system Project

**From:** Partha Das/EM & RBG/JAMSHEDPUR <[parthadas@voltas.com](mailto:parthadas@voltas.com)>

**Sent:** Wednesday, July 19, 2023 2:53 PM

**To:** Kumar Pravin <[kumarp@tatapower.com](mailto:kumarp@tatapower.com)>

**Cc:** Debarshi Datta/EM & RBG/JAMSHEDPUR <[debarshidatta@voltas.com](mailto:debarshidatta@voltas.com)>; Sujit Baral/EM&RBG/JAM <[sujitbaral@voltas.com](mailto:sujitbaral@voltas.com)>; Suman Ghosh/EM & RBG/JAMSHEDPUR <[sumanghosh@voltas.com](mailto:sumanghosh@voltas.com)>; Abid Iqbal/EM&RBG/JAMSHEDPUR <[abidiqbal@voltas.com](mailto:abidiqbal@voltas.com)>; parwez alam <[parwezann@gmail.com](mailto:parwezann@gmail.com)>; Ganesh Sorapalli <[sorapalli.ganesh@tatapower.com](mailto:sorapalli.ganesh@tatapower.com)>; Mishra Vijoy <[mishravs@tatapower.com](mailto:mishravs@tatapower.com)>; Suvojoyoti Sinha/EM&RBG/JAM <[suvojoyotisinha@voltas.com](mailto:suvojoyotisinha@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. <ul style="list-style-type: none"> <li>• <b>Please note Our Corporate Civil Team is allowing for Condenser Pump location at 16.5 Meter floor.</b></li> </ul>	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	<b>Submission of Electrical load details.</b>	<b>M/s Voltas</b>	<b>Electrical Load sheet is attached in mail.</b>

Regards,

**Partha Das**

Asst Manager - CC Retrofit Execution, JMSSD  
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](mailto:parthadas@voltas.com) | <http://www.voltas.com>

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 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/ decapitalisation Phasing for FY 2023-24 and for the balance years of the Control Period (FY 2024-25 and FY 2025-26), along-with the cost escalations , if any, against the approved schemes, has been furnished by Tata Power vide the Petition for Annual Performance Review for FY 2023-24. The same has not been reproduced in this report for the sake of brevity. The Revised Capitalization/ decapitalization phasing in tabular form is annexed with this report as **Annexure-1**

It is further submitted that any scheme not envisaged in the revised capitalization already submitted but may be required for FY 2023-24 and for the balance years of the Control Period on urgent basis, shall be informed to the Commission through relevant quarterly report or through additional submission along with justification and DPR.

Thanking you,

Yours Sincerely,



(Jagmit Singh Sidhu)  
CEO-IEL & Chief - Jamshedpur Operation

## REVISED ADD-CAP PHASING

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)	Approved Capitalisation Plan ( Value Apportioned to Unit 2&3)						Revised Capitalisation Plan (Value Apportioned to Unit 2&3)					
									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 Plants (Static)	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	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	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
	<b>Total</b>				<b>3,481.05</b>	<b>4,751.01</b>		<b>3,546.32</b>	<b>1,383.79</b>	<b>913.60</b>	<b>21.70</b>	<b>24.99</b>	<b>-</b>	<b>2,344.08</b>	<b>563.70</b>	<b>158.55</b>	<b>1,638.44</b>	<b>975.55</b>	<b>200.00</b>	<b>3,536.24</b>

**The Secretary,**  
Jharkhand State Electricity Regulatory Commission  
1st Floor, Jharkhand Housing Board (Old Building)  
Harmu Housing Colony,  
Ranchi-834002

**Subject:** Submission of Report on Additional Capitalization for Q3 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:

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It is submitted that Revised Capitalization/ decapitalisation Phasing for FY 2023-24 and for the balance years of the Control Period (FY 2024-25 and FY 2025-26), along-with the cost escalations , if any, against the approved schemes, has been furnished by Tata Power vide the Petition for Annual Performance Review for FY 2023-24. The same has not been reproduced in this report for the sake of brevity. The Revised Capitalization/ decapitalization phasing in tabular form is annexed with this report as **Annexure-1**.

It is further submitted that any scheme not envisaged in the revised capitalization already submitted but may be required for FY 2023-24 and for the balance years of the Control Period on urgent basis, shall be informed to the Hon'ble Commission through relevant quarterly report or through additional submission along with justification and DPR.

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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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
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10	Workshop machine Tools, Condition Monitoring tools & Mobile Environmental dust	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
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20	Upgradation of DAVR(Digital Automatic Voltage Regulator)	P&M in Gen Stn	Original	Replacement		130	3	130.00											130.00	130.00
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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
	<b>Total</b>				<b>3,481.05</b>	<b>4,751.01</b>		<b>3,546.32</b>	<b>1,383.79</b>	<b>913.60</b>	<b>21.70</b>	<b>24.99</b>	<b>-</b>	<b>2,344.08</b>	<b>563.70</b>	<b>158.55</b>	<b>1,638.44</b>	<b>975.55</b>	<b>200.00</b>	<b>3,536.24</b>

**The Secretary,**  
Jharkhand State Electricity Regulatory Commission  
1st Floor, Jharkhand Housing Board (Old Building)  
Harmu Housing Colony,  
Ranchi-834002

**Subject:** Submission of Report on Additional Capitalization for Q4 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***

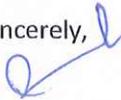
*9.6 The Petitioner is hereby directed that during the execution of work pertaining to any preapproved schemes, any increase in the scope of work, procurement, services, price/cost etc. should be brought to the notice of the Commission immediately."*

We humbly submit the Revised Capitalization/Decapitalization Phasing for FY 2023-24 and the subsequent years of the Control Period (FY 2024-25 and FY 2025-26), including any cost escalations against the approved schemes, as provided by Tata Power and approved in the Annual Performance Review of FY 2023-24 dated 06.06.2024. We present this information in tabular form as Annexure-1

It is further submitted that any scheme not envisaged in the revised capitalization already submitted but may be required for the balance years of the Control Period on urgent basis, shall be informed to the Commission through relevant quarterly report or through additional submission along with justification and DPR.

Thanking you,

Yours Sincerely,



(Jagmit Singh Sidhu)  
CEO-IEL & Chief - Jamshedpur Operations

**TATA POWER**

The Tata Power Company Limited  
Jobbera Power Plant, Jamshedpur - 831016

Tel 91 657 2276879, 6511543

Registered Office Bombay House 24 Homi Mody Street Mumbai 400 001

**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 Orders 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 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"*

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 2024 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 context, it is respectfully submitted that the order in respect of the APR for FY 2023-24 for Jojobera unit 2& 3, has been issued by this Hon'ble Commission on 06.06.2024. In this order, the hon'ble Commission has approved of the Capital Investment Plan for FY 2023-24 and for the remaining financial years of the current MYT period. After thoroughly reviewing the revised additional capitalization and its justifications, the Commission directed as follows:

*"6.57 The Commission has directed the Petitioner to bring the actual capitalization for each year of the control period. Further, in case there is a need to review/revise any scheme or change in the Scope of Work, the same need to be submitted before the Commission with proper justification."*

4. Accordingly, in the APR Petition Order for FY 2023-24 dated 06.06.2024, Commission approved the revised capitalization and decapitalization plan for FY 2023-24. Certain variations in actual capitalization, as per the Books, vis-à-vis the revised capitalization plan have occurred due to unavoidable and uncontrollable reasons, as detailed in the following paragraphs for the kind consideration of this Hon'ble Commission. A table summarising the status of various schemes as regards the approval by hon'ble Commission, actual capitalisation during FY 2024 and projected capitalisation for FY 2025 and FY 2026 is annexed with this appendix as **ANNEXURE-1**

## 5. Details of capex schemes:

### 5.1. Replacement of Dead Tank CT with Live Tank CT (Carry forward):

This scheme is being implemented according to the revised capitalization plan for FY 2022-26. The actual Capitalization for FY 2024 apportioned for Unit 2 & 3 based on installed capacities amounts to Rs. 40.34 Lakh as against the approved amount of Rs. 26.61 lakh. Actual capitalization in FY 2024 is more than the proposed phasing, primarily due to the completion of activities from the previous year where there were delays. Further, certain expenditure which were envisaged to be incurred during FY 2025 were incurred in FY 2024 considering requirements of project execution. Accordingly, phasing has been changed for FY 2025 and the remaining Rs. 11.26 lakh is proposed to be capitalised in FY 2025. It is being humbly submitted that there has been no overall cost escalation as compared to the capitalisation approved by the hon'ble Commission in the APR order.

### 5.2. Control Room AC System

Regarding Control Room AC System, it is submitted that the actual capitalization in FY 2024 is Rs. 505.08 lakh as compared to Rs. 633.50 lakh approved by the Commission. It is humbly submitted that the project could be implemented only in the winter season of FY 2024, since maintaining a constant temperature of around 22°C in the control room is technically feasible only during this period. Replacing the existing package AC system and maintaining this temperature throughout the year is not possible. Given this mandatory technical requirement, the project was rescheduled and completed in FY 2024. Balance related activity adding to redundancy and reliability of air conditioning system is rescheduled and supposed to be completed in FY 2025 in unit 2 & 3. The Hon'ble Commission has already been apprised regarding the rephasing of the capitalization as explained above, vide the Quarterly report dated 31.03.2024 submitted before this hon'ble Commission.

In view of the foregoing, Tata Power most humbly requests this Hon'ble Commission to consider the revised capitalization plan of Rs. 505.08 lakh in FY 2024, and Rs. 129.13 Lakh to be carried forward in FY2025. However, Tata Power shall apprise Hon'ble Commission, in case of any change in above schedule/cost due to any unforeseen/unavoidable circumstances.

### 5.3. Ash Conveying pipe line

As regard the capitalisation of the scheme "**Ash Conveying pipe line**" it is being submitted that the scheme has been completed in FY 2024 as proposed in APR petition for FY 2024 and approved by the Commission in the APR order. The scheme has been completed within the approved budget of Rs. 280.00 lakh with actual capitalisation amounting to Rs. 276.20 lakh.

#### **5.4. CHP Dozer**

It is being humbly submitted that the scheme "CHP Dozer" has been completed in FY 2024 with actual capitalisation of Rs. 306.66 lakh against the approved budget of Rs. 317.81 lakh.

#### **5.5. New Weigh Bridge for Bulker**

It is submitted that the project which was proposed to be completed by Tata Power in FY 2024 and approved by the hon'ble Commission vide APR order dated 06.06.2024, is under execution with significant progress made so far. It is humbly submitted that the project execution plan had to be revisited due to safety requirement at site, since, FGD project is also under progress. Accordingly, the project has to be rephased to FY 2025.

#### **5.6. Upgradation of Fans Pneumatic Actuators to Electrical Actuator**

It is most humbly submitted that the scheme "Upgradation of Fans Pneumatic Actuators to Electrical Actuator" has been completed in the FY 2024. The actual capitalisation (Rs. 239.68 lakh) is within the approved budget of Rs. 240.00 lakh.

#### **5.7. Multi-Layered Security System for Jojobera Power Plant.**

It is humbly submitted that the project is under execution and CAPEX of Rs 54.73 Lakhs has been spent in FY 2024 in line with the plan. However, the final commissioning of the project is planned to be done in FY 2025, hence, capitalisation is deferred. Civil related activities have been rescheduled for safety requirement. As per the plan, the project is going to be completed by FY 2025.

#### **5.8. Procurement of Laptops/IT Equipment's**

It is submitted that Tata Power had to incur an amount of Rs. 30.40 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 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. 30.40 Lakh on procurement of such IT Assets with a decapitalization of Rs 15.96 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 2023-24. 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.

#### **5.9. Procurement of Vehicles**

It is submitted that Tata Power had to incur an amount of Rs. 29.76 lakh toward procurement of vehicles which were essential for day to day operational activities. Tata

Power humbly requests this Hon'ble Commission to kindly consider such expenditure for FY 2023-24.

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ANNEXURE-1: REVISED ADD-CAP PHASING					Approved Capitalisation Plan vide APR Order dated 6.6.24(Value Apportioned to Unit 2&3) read with MYT Order and True-up Orders for previous years						Revised Capitalisation Plan (Value Apportioned to Unit 2&3) (FY24-actual, FY 25/26- projected)					
Sr. No.	Project Description	Total Approved Cost (Lakh)	Used in Units	Apportioned Cost 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	456	1,2,3,4,5	200				200.00		200.00				200.00		200.00
2	Replacement of Dead Tank CT with Live Tank CT (Carry forward)	205.26	1,2,3,4,5	89.98	24.87	13.51	26.61	24.99		89.98	24.87	13.51	40.34	11.26		89.98
3	Up Gradation of FSSS and BOP Control System	133.04	2	133.04	133.04					133.04	133.04					133.04
4	Up Gradation of FSSS and BOP	52.83	3	52.83	52.83					52.83	52.83					52.83
5	Turbine and Generator Bearing sets	78.97	2	78.97	36.28	36.90				73.18	36.28	36.90				73.18
6	Turbine and Generator Bearing	78.97	3	78.97	73.18	-				73.18	73.18	-				73.18
7	Up Gradation of Plant Information	21.93	1,2,3,4,5	9.61	9.46					9.46	9.46					9.46
8	Control Room AC System	633.5	2,3	633.5			633.50			633.50			505.08	129.13		634.21
9	Ash Conveying pipe line	280	2,3	280			280.00			280.00			276.20			276.20
10	Workshop machine Tools, Condition Monitoring tools & Mobile Environmental dust	200	1,2,3,4,5	87.67			38.58	49.10		87.67				87.68		87.68
11	Turbine Parting Plane Bolts & Coupling Bolts	433.76	2	433.76				433.76		433.76				433.76		433.76
12	BFP Destaging	275	2,3	275	222.54	18.09	-			240.63	222.54	18.09	-			240.63
13	CHP Dozer	725	1,2,3,4,5	317.81			317.81			317.81			306.66			306.66
14	New Weigh Bridge for Bulker	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.	275	1,2,3,4,5	120.55			52.84	67.71		120.54				120.55		120.55
16	Upgradation of Fans Pneumatic Actuators to	240	2,3	240.00			240.00			240.00			239.68			239.68
17	CHP PLC Upgradation	150	1,2,3,4,5	65.75		65.63				65.63		65.63				65.63
18	Spray Nozzle for Boiler		3							0.00					70.00	70.00
19	Spray Nozzle for Boiler		2							0.00				70.00		70.00
20	Upgradation of DAVR(Digital Automatic		3							0.00					130.00	130.00
21	Upgradation of DAVR(Digital Automatic		2							0.00				130.00		130.00
22	Procurement of Laptops/IT		1,2,3,4,5		6.80	4.16				10.95	6.80	4.16	30.40			41.36
23	Procurement of Chairs for Auditorium/Training		1,2,3,4,5		4.93					4.93	4.93					4.93
24	Upgradation of Metering	-0.55	1,2,3,4,5	-0.24	-0.24					-0.24	-0.24					-0.24
25	Procurement of Water		1,2,3,4,5			0.88				0.88		0.88				0.88
26	Vehicles		1,2,3,4,5			19.38				19.38		19.38	29.76			49.14
	<b>Total</b>	<b>4,350.75</b>		<b>3,146.20</b>	<b>563.70</b>	<b>158.55</b>	<b>1,638.44</b>	<b>775.55</b>	<b>0.00</b>	<b>3,136.24</b>	<b>563.69</b>	<b>158.55</b>	<b>1,428.13</b>	<b>1,231.49</b>	<b>200.00</b>	<b>3,581.86</b>

**Independent Auditor's Report on Statements 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 September 11, 2024 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 March 31, 2024.
2. At the request of the management, we have examined the attached "Statements (Annexure-1 and Annexure-2) 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 "Statements"), 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, 2024, which we have initialed for identification purposes only. This Report and the Statements 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, 2024 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 Statements**

3. The preparation of the accompanying Statements 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 Statements 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 Statements**

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, 2024 as stated in the Statements have been extracted from the relevant books of accounts and records underlying the audited standalone financial statements for the year ended March 31, 2024.



6. We have audited the standalone financial statements of the Company for the year ended March 31, 2024, on which we have issued an unmodified opinion vide our report dated May 8, 2024. 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 Statements 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 Statements:
  - a) Obtained the statements containing details of additions to Property, Plant and Equipment for the year ended March 31, 2024 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 statements 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 Statements.
  - 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 Statements. Further, our scope of work did not involve us performing audit test for the purposes of expressing an opinion on the fairness or



**S R B C & CO LLP**

Chartered Accountants

accuracy of any of the financial information or the standalone financial statements of the Company taken as a whole.

10. Certain 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's audited standalone financial statements for the year ended March 31, 2024. (Refer Annexure-1 attached)

## 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 Statements 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, 2024.

## 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 &amp; CO LLP

Chartered Accountants

ICAI Firm Registration Number: 324982E/E300003

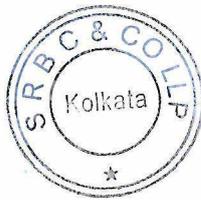


per Sanjay Agarwal

Partner

UDIN No: 24055833BKFQXC4442

Membership Number: 055833



Place of Signature: Kolkata

Date: September 18, 2024

Annexure -1

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") (Amount in Rs)

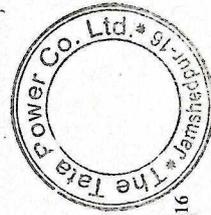
SL NO.	ASSET NO.	DATE	ASSET DESCRIPTION	TOTAL GROSS VALUE	(Gross Value) Unit 1	(Gross Value) Unit 2	(Gross Value) Unit 3	(Gross Value) Unit 4	(Gross Value) COMMON
1	181000022	05-01-2024	CAT DOZER D9GC POWER 412 HP BUCKET CAP. 35.8 CUM	6,99,55,708	-	-	-	12,21,24,114	6,99,55,708
2	125003255	17-07-2023	DE-NOX SYSTEM FGD-UNIT#4	1,19,84,080	-	1,19,84,080	-	-	-
3	125003251	31-01-2024	ELECTRICAL ACTUATORS FOR FANS	1,19,84,080	-	-	-	-	-
4	125003252	31-01-2024	ELECTRICAL ACTUATORS FOR FANS	1,19,84,080	-	-	1,19,84,080	-	-
5	125003215	31-03-2024	UPGRADATION OF ASH SLURRY PIPE	39,20,900	39,20,900	-	-	-	-
6	125003256	07-03-2024	ASH SLURRY LINE	99,98,388	-	-	-	99,98,388	-
7	125003262	31-03-2024	ASH CONVEYING PIPE LINE FOR UNIT#3	1,38,18,324	-	-	1,38,18,324	-	-
8	125003261	31-03-2024	ASH CONVEYING PIPE LINE FOR UNIT#2	1,38,01,988	-	1,38,01,988	-	-	-
9	125003259	30-03-2024	UH#3 PACKAGE AIR CONDITIONING SYSTEM FOR CR & NE	2,52,54,000	-	-	2,52,54,000	-	-
10	125003258	30-03-2024	UH#2 PACKAGE AIR CONDITIONING SYSTEM FOR CR & NE	2,52,54,000	-	2,52,54,000	-	-	-
11	130000618	31-03-2024	145KV LIVE TANK CTS 1000'1 FOR LINES AND BS	92,02,503	92,02,503	-	-	-	-
			<b>Total Value</b>	<b>31,72,98,085</b>	<b>1,31,23,403</b>	<b>5,10,40,068</b>	<b>5,10,56,404</b>	<b>13,21,22,502</b>	<b>6,99,55,708</b>

Note-

1 The above details have been extracted from the fixed assets register but not forming part of Property plant and equipment as these are accounted for as Finance Lease Receivables as per IND AS 116 Leases and is included in Note 10 of the Company's audited standalone financial statements for the year ended March 31, 2024.

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

For and on behalf of The Tata Power Company Limited



  
Jagmit Singh Sidhu  
Chief- Jamshedpur Operations  
Place : Jojobera, Jamshedpur, 831016  
Date : 13.09.2024

**TATA POWER**

The Tata Power Company Limited

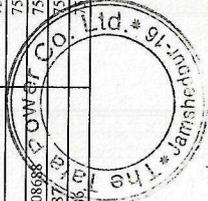
Jojobera Power Plant, Jamshedpur - 831016

Tel 91 657 2276879, 6511543

Registered Office Bombay House 24 Homi Mody Street Mumbai 400 001

Annexure -2  
Statement of Unit wise additions as per fixed assets register and forming part of Property, Plant and Equipment (excluding CWIP) at unit # 1, 2, 3 and 4 of Jajobera generation plant ("Jajobera division")  
(Amount in Rs)

SL NO.	ASSET NO.	DATE	ASSET DESCRIPTION	TOTAL GROSS VALUE	(Gross Value) Unit 1	(Gross Value) Unit 2	(Gross Value) Unit 3	(Gross Value) Unit 4	(Gross Value) COMMON
1	158015818	01-04-2023	DELL 3420, SMITI KUMARI SINGHLL T005989	64,691	64,691	-	-	-	-
2	158015817	01-04-2023	DELL 3420, RAHUL KUMAR L T005988	64,691	64,691	-	-	-	-
3	158015816	01-04-2023	DELL 5420, MUKESH KUMAR SHARMA L T006006	72,334	72,334	-	-	-	-
4	158015815	01-04-2023	DELL 5420, CHETAN VADIAN RATHOD L T006005	72,334	72,334	-	-	-	-
5	158015814	01-04-2023	DELL 3420, BIMAL KUMAR L T006002	64,691	64,691	-	-	-	-
6	158015813	01-04-2023	DELL 3420, BIMAL KUMAR L T006001H	64,691	64,691	-	-	-	-
7	158015812	01-04-2023	DELL 3420, PRIYA KUMARIL T006000	64,691	64,691	-	-	-	-
8	158015811	01-04-2023	DELL 3420, PRITI MANDAL L T005999	64,691	64,691	-	-	-	-
9	158015810	01-04-2023	DELL 3420, MISHRA ANSH L T005997	64,691	64,691	-	-	-	-
10	158015809	01-04-2023	DELL 3420, JAYANT PRAKASH L T005998	64,691	64,691	-	-	-	-
11	158015808	01-04-2023	DELL 3420, PRASENJIT PAUL L T005996	64,691	64,691	-	-	-	-
12	158015807	01-04-2023	DELL 3420, ALKA THAKUR L T005995	64,691	64,691	-	-	-	-
13	158015806	01-04-2023	DELL 3420, MARUTI DUTTA L T005994	64,691	64,691	-	-	-	-
14	158015805	01-04-2023	DELL 3420, HEMLATA, DKSONG L T005992	64,691	64,691	-	-	-	-
15	158015804	01-04-2023	DELL 3420, PRIYANKA KUMARIL T005991	64,691	64,691	-	-	-	-
16	158015803	01-04-2023	DELL 3420, MANISH TIWARI L T005990	64,691	64,691	-	-	-	-
17	158015802	01-04-2023	DELL 3420, PANDIT ADITYA DEOGIRI L T005990	64,691	64,691	-	-	-	-
18	158016380	01-11-2023	ACER P414-51, ADITYA SAINATH UNV PDS0463010C20070	78,184	78,184	-	-	-	-
19	158016458	24-11-2023	ACER TRAVELMATE P414-51, R. K. SINHA UNV PDS0463010C6	78,184	78,184	-	-	-	-
20	158016457	24-11-2023	ACER TRAVELMATE P414-51, VIVEK DEWANGAN UNV PDS0463010C6	78,184	78,184	-	-	-	-
21	158016456	24-11-2023	ACER TRAVELMATE P414-51, M. K. PADHI UNV PDS0463010C6	78,184	78,184	-	-	-	-
22	158016455	24-11-2023	ACER TRAVELMATE P414-51, VAIBHAV GROVER UNV PDS0463010C6	78,184	78,184	-	-	-	-
23	158016454	24-11-2023	ACER TRAVELMATE P414-51, PRADIP BISWAS UNV PDS0463010C6	78,184	78,184	-	-	-	-
24	158016460	24-11-2023	ACER TRAVELMATE P214-53, ASHISH KUMAR UNVTKSI01301	69,699	69,699	-	-	-	-
25	158016470	24-11-2023	ACER TRAVELMATE P214-53, AVINASH KUMAR UNVTKSI01301	69,699	69,699	-	-	-	-
26	158016469	24-11-2023	ACER TRAVELMATE P214-53, SOMNATH OJHA UNVTKSI01301	69,699	69,699	-	-	-	-
27	158016468	24-11-2023	ACER TRAVELMATE P214-53, SAHEB TEWARY UNVTKSI01301	69,699	69,699	-	-	-	-
28	158016467	24-11-2023	ACER TRAVELMATE P214-53, SUNITA KUNDU UNVTKSI01301	69,699	69,699	-	-	-	-
29	158016466	24-11-2023	ACER TRAVELMATE P214-53, RUKIA SINGH UNVTKSI01301	69,699	69,699	-	-	-	-
30	158016465	24-11-2023	ACER TRAVELMATE P214-53, RANJAN SINGH UNVTKSI01301	69,699	69,699	-	-	-	-
31	158016464	24-11-2023	ACER TRAVELMATE P214-53, PRASHANT SAINI UNVTKSI01301	69,699	69,699	-	-	-	-
32	158016463	24-11-2023	ACER TRAVELMATE P214-53, UNIL DUBEY UNVTKSI01301	69,699	69,699	-	-	-	-
33	158016462	24-11-2023	ACER TRAVELMATE P214-53, SUNIL DUBEY UNVTKSI01301	69,699	69,699	-	-	-	-
34	158016461	25-01-2024	ACER TRAVELMATE P414-51, AKRAM SHAMSI UNVTKSI01301	69,699	69,699	-	-	-	-
35	158016608	25-01-2024	ACER TRAVELMATE P414-51, VIKASH MAHATO UNV PDS0463010C6	78,184	78,184	-	-	-	-
36	158016697	26-02-2024	HP 630 G9, CHANDRASHEKAR SINGH SCD40244QJ L T008655	1,11,698	1,11,698	-	-	-	-
37	158016696	26-02-2024	HP 630 G9, PRAVIN KUMAR SCD40244QJ L T008654	1,11,698	1,11,698	-	-	-	-
38	158016695	26-02-2024	HP 630 G9, ABHISHEK BOSE SCD40244QJ L T008653	1,11,698	1,11,698	-	-	-	-
39	158016694	26-02-2024	HP 630 G9, PRABHAKAR KUMAR SCD40244QJ L T008652	1,11,698	1,11,698	-	-	-	-
40	158016693	26-02-2024	HP 440 G9, SOHAM KHAN SCD40244GZ L T008656	75,197	75,197	-	-	-	-
41	158016687	26-02-2024	HP 440 G9, NIRAJ KUMAR SINGH SCD40244F1 L T008660	75,197	75,197	-	-	-	-
42	158016686	26-02-2024	HP 440 G9, SOUMEN MONDAL SCD40244GM L T008659	75,197	75,197	-	-	-	-
43	158016685	26-02-2024	HP 440 G9, ABHISEK BANERJEE SCD40244FB L T008658	75,197	75,197	-	-	-	-
44	158016684	26-02-2024	HP 440 G9, ANSHU KUMARI SCD40244DW L T008657	75,197	75,197	-	-	-	-
45	158016691	27-02-2024	HP 440 G9, VIMMI NAVEEN KUMAR SCD40244HE L T008664	75,197	75,197	-	-	-	-
46	158016690	27-02-2024	HP 440 G9, SUNIL KUNWAR SCD40244GI L T008663	75,197	75,197	-	-	-	-
47	158016689	27-02-2024	HP 440 G9, PRITY MANDAL SCD40244FI L T008662	75,197	75,197	-	-	-	-
48	158016688	27-02-2024	HP 440 G9, DEVENDRA KUMAR SAKAR SCD40244GY L T008666	75,197	75,197	-	-	-	-
49	158016692	28-02-2024	HP 440 G9, SONALI DEB SCD40244BTM L T008665	75,197	75,197	-	-	-	-
50	158016801	21-03-2024	HP 440 G9, RAVURU CHANDR SEKHAR SCD4046RW L T008689	75,179	75,179	-	-	-	-
51	158016800	21-03-2024	HP 440 G9, GRURJESH KUMAR SINGH SCD4046RW L T00869	75,179	75,179	-	-	-	-
52	158016799	21-03-2024	HP 440 G9, IMRAN ALI SCD4046RW L T008690	75,179	75,179	-	-	-	-
53	158016798	21-03-2024	HP 440 G9, MOHIT PANDEY SCD4046RW L T008689	75,179	75,179	-	-	-	-
54	158016797	21-03-2024	HP 440 G9, OMPRAKESH GUPTA SCD4046RW L T008688	75,179	75,179	-	-	-	-
55	158016796	21-03-2024	HP 440 G9, AVINASH KUMAR SCD4046RW L T008687	75,179	75,179	-	-	-	-
56	158016795	21-03-2024	HP 440 G9, USHA AGRAWAL SCD4046RW L T008686	75,179	75,179	-	-	-	-



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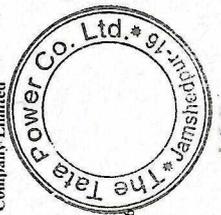
Annexure - 2  
Statement of Unit wise additions as per fixed assets register and forming part of Property, Plant and Equipment (excluding CWIP) at unit # 1, 2, 3 and 4 of Jojobera generation plant ("Jojobera division")  
(Amount in Rs)

SL.NO.	ASSET NO.	DATE	ASSET DESCRIPTION	TOTAL GROSS VALUE	(Gross Value) Unit 1	(Gross Value) Unit 2	(Gross Value) Unit 3	(Gross Value) Unit 4	(Gross Value) COMMON
57	158016794	21-03-2024	HP 440 G9 SHANTANU PAUL.SCD4046RWD.LT008685	75,179	75,179	-	-	-	-
58	158016793	21-03-2024	HP 440 G9 SATINDRA NARAYAN GHOSH.SCD4046RWC.LT008686	75,179	75,179	-	-	-	-
59	158016792	21-03-2024	HP 440 G9 SHRUTI KUMARI.SCD4046RWB.LT008683	75,179	75,179	-	-	-	-
60	158016791	21-03-2024	HP 440 G9 ASHISH AWASTHI.SCD4062B42.LT008672	75,179	75,179	-	-	-	-
61	158016790	21-03-2024	HP 440 G9 BISWAJIT DEY.SCD4062B4C.LT008681	75,179	75,179	-	-	-	-
62	158016789	21-03-2024	HP 440 G9 UJJAL KUMAR NASKAR.SCD4062B4B.LT008680	75,179	75,179	-	-	-	-
63	158016788	21-03-2024	HP 440 G9 NANDNI KUMARI.SCD4062B49.LT008679	75,179	75,179	-	-	-	-
64	158016787	21-03-2024	HP 440 G9 MUSTKEEM AHAMAD.SCD4062B48.LT008678	75,179	75,179	-	-	-	-
65	158016786	21-03-2024	HP 440 G9 PRATAP NATH.SCD4062B47.LT008677	75,179	75,179	-	-	-	-
66	158016785	21-03-2024	HP 440 G9 KUSHAL MUKHERJEE.SCD4062B46.LT008676	75,179	75,179	-	-	-	-
67	158016784	21-03-2024	HP 440 G9 RISHAV KUMAR.SCD4062B45.LT008675	75,179	75,179	-	-	-	-
68	158016783	21-03-2024	HP 440 G9 RAJEET VERMA.SCD4062B44.LT008674	75,179	75,179	-	-	-	-
69	158016782	21-03-2024	HP 440 G9 PRASANT D DEHURY.SCD4062B43.LT008673	75,179	75,179	-	-	-	-
70	158016802	21-03-2024	HP 440 G9 NEZAMUDDIN KHAN.SCD4046RWR.LT008693	75,179	75,179	-	-	-	-
71	158016822	21-03-2024	HP 440 G9 TAPAS MAHATO.SCD4046RW9.LT008682	75,179	75,179	-	-	-	-
72	158016821	21-03-2024	HP 440 G9 SANJAYA SARU.SCD4046RXC.LT008712	75,179	75,179	-	-	-	-
73	158016820	21-03-2024	HP 440 G9 NITIN KUMAR JAIN.SCD4046RXC.LT008711	75,179	75,179	-	-	-	-
74	158016818	21-03-2024	HP 440 G9 AMIT KUMAR BHOI.SCD4046RX9.LT008710	75,179	75,179	-	-	-	-
75	158016817	21-03-2024	HP 440 G9 PRATIM KUMAR DAS.SCD4046RX7.LT008708	75,179	75,179	-	-	-	-
77	158016816	21-03-2024	HP 440 G9 ALI MOHAMMED.SCD4046RX6.LT008707	75,179	75,179	-	-	-	-
78	158016815	21-03-2024	HP 440 G9 DEBASISH DAS.SCD4046RX5.LT18706	75,179	75,179	-	-	-	-
79	158016814	21-03-2024	HP 440 G9 MOHIT KUMAR GUPTA.SCD4046RX4.LT008705	75,179	75,179	-	-	-	-
80	158016813	21-03-2024	HP 440 G9 BISWAJIT MOHANTY.SCD4046RX3.LT008704	75,179	75,179	-	-	-	-
81	158016812	21-03-2024	HP 440 G9 JACARIAS KANDULA.SCD4046RX2.LT008703	75,179	75,179	-	-	-	-
82	158016811	21-03-2024	HP 440 G9 SOUMITRA MANDAL.SCD4046RX1.LT008702	75,179	75,179	-	-	-	-
83	158016810	21-03-2024	HP 440 G9 SORAPALLI GANESH.SCD4046RX0.LT008701	75,179	75,179	-	-	-	-
84	158016809	21-03-2024	HP 440 G9 PAWAN KUMAR.SCD4046RWZ.LT008700	75,179	75,179	-	-	-	-
85	158016808	21-03-2024	HP 440 G9 ANANTA BEHERA.SCD4046RWY.LT008699	75,179	75,179	-	-	-	-
86	158016807	21-03-2024	HP 440 G9 ANSHUK DE.SCD4046RWX.LT008698	75,179	75,179	-	-	-	-
87	158016806	21-03-2024	HP 440 G9 RAVI KUMAR SINGH.SCD4046RWV.LT008697	75,179	75,179	-	-	-	-
88	158016805	21-03-2024	HP 440 G9 KRISHNA SINGH.SCD4046RWU.LT008696	75,179	75,179	-	-	-	-
89	158016804	21-03-2024	HP 440 G9 SUKDEV PRAMANIK.SCD4046RWL.LT008695	75,179	75,179	-	-	-	-
90	158016803	21-03-2024	HP 440 G9 VIKAS TIWARI.SCD4046RWS.LT008694	75,179	75,179	-	-	-	-
91	158016838	23-03-2024	HP 440 G9 SHANTI KUMAR PAUL.SCD4046RWD.LT008713	75,179	75,179	-	-	-	-
92	158016837	23-03-2024	HP 440 G9 SUDDHAKAR SHARMA.SCD4046RXC.LT008715	75,179	75,179	-	-	-	-
93	158016836	23-03-2024	HP 440 G9 KALIDAS ROY.SCD4046RXC.LT008714	75,179	75,179	-	-	-	-
94	177001110	01-03-2024	GRAND VITARA JH05DR4726 MR TRIPATI MOHARANA203380	13,65,730	-	-	-	-	13,65,730
95	177001109	01-12-2023	HYUNDAI NIOS JH01FK 5389 DK SINGH -187453	9,17,898	-	-	-	-	9,17,898
96	177000995	07-09-2023	SUZUKIN KHAN JH05DN2295	10,63,159	-	-	-	-	10,63,159
97	177000993	31-08-2023	HYUNDAI VERNA 1.5 MPI MIT SX BLACK IMRAN ALI	14,18,680	-	-	-	-	14,18,680
98	177000994	24-08-2023	SKODA SLAVIA 1.5 TSI AT DSG SATYAJIT SINGH JH05DM3	20,24,611	-	-	-	-	20,24,611
			<b>Total Value</b>	<b>1,37,25,722</b>	<b>69,35,644</b>	-	-	-	<b>67,90,078</b>

Note-

- The above details have been extracted from the fixed assets register and forming part of Property plant and equipment
- 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

For and on behalf of The Tata Power Company Limited



Jagmit Singh Sidhu  
Chief, Jamshedpur Operations  
Place : Jojobera, Jamshedpur, 831016  
Date : 13.09.2024

**S R B C & CO LLP**

Chartered Accountants

**PPE deletion Certificate**

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 September 11, 2024 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 March 31, 2024.
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, 2024, 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, 2024 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, 2024 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, 2024.

6. We have audited the standalone financial statements of the company for the year ended March 31, 2024, on which we have issued an unmodified opinion vide our report dated May 8, 2024. 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, 2024 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.



**S R B C & CO LLP**

Chartered Accountants

- 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. Certain 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, 2024.

**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, 2024.

**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

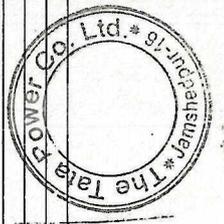
  
per Sanjay Agarwal  
Partner  
UDIN No: 24055833BKFQXD7627  
Membership Number: 055833



Place of Signature: Kolkata  
Date: September 18, 2024

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")

Sl NO.	ASSET NO.	DATE	ASSET DESCRIPTION	TOTAL GROSS VALUE					(Amount in Rs) (Gross Value) COMMON
				(Gross Value) Unit 1	(Gross Value) Unit 2	(Gross Value) Unit 3	(Gross Value) Unit 4	(Gross Value) Unit 4	
1	17-05-2023	158011336	DELL LATITUDE 3490 LAPTOP I4666	57,282	-	-	-	-	-
2	14-12-2023	158011338	DELL LATITUDE 3490 LAPTOP I4668	58,177	-	-	-	-	-
3	26-03-2024	158012064	HP 430 Usha Agrawal.LI003299	62,540	-	-	-	-	-
4	29-12-2023	158012067	HP 430 Aditya Verma.LI003282	62,540	-	-	-	-	-
5	26-03-2024	158012071	HP 430 Sunil Kumar.LI003286	62,540	-	-	-	-	-
6	31-01-2024	158012073	HP 430 Debabuti Pati.LI003287	62,540	-	-	-	-	-
7	26-03-2024	158012083	HP 430 Avinash Kumar.LI003296	62,540	-	-	-	-	-
8	22-03-2024	158012090	HP 440 VIKASH TIWARI.LI003320	58,823	-	-	-	-	-
9	26-03-2024	158012094	HP 440 PRAVIN KUMAR.LI003324	58,823	-	-	-	-	-
10	29-01-2024	158012110	HP 440 MANOJ KUMAR BEHERA.LI003340	58,823	-	-	-	-	-
11	27-03-2024	158012113	HP 440 DEBASISH DAS.LI003343	58,823	-	-	-	-	-
12	26-03-2024	158012120	HP 440 TAPAS MAHATO.LI003350	58,823	-	-	-	-	-
13	20-03-2024	158012121	HP 440 MOHIT PANDEY.LI003351	58,823	-	-	-	-	-
14	26-03-2024	158012124	HP 440 ALI MID IMRAN.LI003354	58,823	-	-	-	-	-
15	30-06-2023	158012132	HP 440 ARUN DASGUPTA.LI003362	58,823	-	-	-	-	-
16	28-03-2024	158012136	HP 440 PRASANT D DEHURY.LI003366	58,823	-	-	-	-	-
17	29-09-2023	158012138	HP 440 BIKASH KUMAR BARIK.LI003368	58,823	-	-	-	-	-
18	28-02-2024	158012151	HP 440 SURESH SANIDHILLI.LI003301	58,823	-	-	-	-	-
19	07-03-2024	158012156	HP 440 BARUN KUMAR.LI003306	58,823	-	-	-	-	-
20	26-03-2024	158012158	HP 440 ASHISH AWASTHI.LI003308	58,823	-	-	-	-	-
21	22-03-2024	158012160	HP 440 PAWAN KUMAR.LI003310	58,823	-	-	-	-	-
22	28-03-2024	158012162	HP 440 NEZAMUDDIN KHAN.LI003314	58,823	-	-	-	-	-
23	31-01-2024	158012962	HP 440 DIBYENDU SAHA.LI003383	58,823	-	-	-	-	-
24	29-09-2023	158012965	HP 440 ABHIJIT AIN DAS.LI003386	58,823	-	-	-	-	-
25	11-07-2023	158012970	HP 440 KIRAN HEMBROMI.LI003388	58,823	-	-	-	-	-
26	13-02-2024	158012970	HP 440 Mishra V S LI003391	58,823	-	-	-	-	-
27	20-07-2023	158015646	ACBR TRAVELMATE P214-53.SAYAK KUMAR DUTTA.CNV.TKSHI	69,699	-	-	-	-	-
28	28-09-2023	158015811	DELL 3420.PRIITHI NANDAL.LI005999	64,691	-	-	-	-	-
29	12-07-2023	158015818	DELL 3420. SMITI KUMARI SINGH.LI005989	64,691	-	-	-	-	-
30	31-08-2023	158011332	DELL LATITUDE 3490 LAPTOP I4448 Pragmya Sarada Das	57,282	57,282	-	-	-	-
31	30-04-2023	158006211	Laptop Toshiba 4GB intel i5 500GB	45,150	45,150	-	-	-	-
32	30-04-2023	158006214	Laptop Toshiba 4GB intel i5 500GB	45,150	45,150	-	-	-	-
33	30-04-2023	158006223	Laptop Toshiba 4GB intel i5 500GB	45,150	-	45,150	-	-	-
34	30-04-2023	158006230	Laptop Toshiba 4GB intel i5 500GB	45,150	-	45,150	-	-	-
35	30-04-2023	158006302	Laptop Toshiba 4GB intel i5 500GB	45,150	-	45,150	-	-	-
36	30-04-2023	158006308	Laptop Toshiba 4GB intel i5 500GB	45,150	-	45,150	-	-	-
37	30-04-2023	158006353	Laptop Toshiba 4GB intel i5 500GB	45,150	-	45,150	-	-	-
38	30-04-2023	158006392	Laptop Toshiba 4GB intel i5 500GB	45,150	-	45,150	-	-	-
39	30-04-2023	158006402	Laptop Toshiba 4GB intel i5 500GB	45,150	-	45,150	-	-	-
40	29-09-2023	158011291	DELL LATITUDE 3490 LAPTOP I4673	57,282	57,282	-	-	-	-
41	16-05-2023	158011293	DELL LATITUDE 3490 LAPTOP I4675	57,282	57,282	-	-	-	-
42	30-05-2023	158011294	DELL LATITUDE 3490 LAPTOP I4676	57,282	57,282	-	-	-	-
43	30-05-2023	158011295	DELL LATITUDE 3490 LAPTOP I4677	57,282	57,282	-	-	-	-
44	30-05-2023	158011297	DELL LATITUDE 3490 LAPTOP I4679	57,282	57,282	-	-	-	-
45	30-05-2023	158011298	DELL LATITUDE 3490 LAPTOP I4680	57,282	57,282	-	-	-	-
46	30-05-2023	158011299	DELL LATITUDE 3490 LAPTOP I4681	57,282	57,282	-	-	-	-
47	29-09-2023	158011300	DELL LATITUDE 3490 LAPTOP I4682	57,282	57,282	-	-	-	-

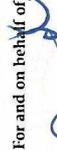


Statement of Unit wise deletion (gross value) as per fixed assets register but NOT forming part of Property, plant and equipment at unit # 1, 2, 3 and 4 of Jojobera generation plant ("Jojobera division")

SL NO.	ASSET NO.	DATE	ASSET DESCRIPTION	TOTAL GROSS VALUE	(Gross Value) Unit 1	(Gross Value) Unit 2	(Gross Value) Unit 3	(Gross Value) Unit 4	(Amount in Rs) (Gross Value) COMMON
48	30-05-2023	15801302	DELL LATITUDE 3490 LAPTOP L4684	57,282	-	57,282	-	-	-
49	31-07-2023	15801303	DELL LATITUDE 3490 LAPTOP L4685	57,282	-	57,282	-	-	-
50	30-04-2023	15801304	DELL LATITUDE 3490 LAPTOP L4686	57,282	-	57,282	-	-	-
51	07-06-2023	15801305	DELL LATITUDE 3490 LAPTOP L4687	57,282	-	57,282	-	-	-
52	22-03-2024	15801307	DELL LATITUDE 3490 LAPTOP L4689	57,282	-	57,282	-	-	-
53	30-05-2023	15801310	DELL LATITUDE 3490 LAPTOP L4426 Dibyalochan Sahoo	57,282	-	57,282	-	-	-
54	11-07-2023	15801313	DELL LATITUDE 3490 LAPTOP L4429 Pradeep Bhandary	57,282	-	57,282	-	-	-
55	31-05-2023	15801316	DELL LATITUDE 3490 LAPTOP L4432 Binita Tirkey	57,282	-	57,282	-	-	-
56	30-04-2023	15801318	DELL LATITUDE 3490 LAPTOP L4434 Amitava Das	57,282	-	57,282	-	-	-
57	31-05-2023	15801319	DELL LATITUDE 3490 LAPTOP L4435 Deepu Minz	57,282	-	57,282	-	-	-
58	16-05-2023	15801321	DELL LATITUDE 3490 LAPTOP L4437 Golak Bihari Sahoo	57,282	-	57,282	-	-	-
59	29-09-2023	15801323	DELL LATITUDE 3490 LAPTOP L4439 Chandra Goswami	57,282	-	57,282	-	-	-
60	07-06-2023	15801324	DELL LATITUDE 3490 LAPTOP L4440 Surendh Dev	57,282	-	57,282	-	-	-
61	16-05-2023	15801326	DELL LATITUDE 3490 LAPTOP L4442 Sadesh Prasad Kurmi	57,282	-	57,282	-	-	-
62	17-05-2023	15801329	DELL LATITUDE 3490 LAPTOP L4445 Sanjiv Kumar	57,282	-	57,282	-	-	-
63	17-05-2023	15801330	DELL LATITUDE 3490 LAPTOP L4446 Suranjan Chattopadhy	57,282	-	57,282	-	-	-
64	29-08-2023	15801331	DELL LATITUDE 3490 LAPTOP L4447 Chandra Prakash Jai	57,282	-	57,282	-	-	-
65	31-03-2023	1770009610	SKODA KODIAQ L&K 2.0 TSI HANSDAH BASU DKZ-300826	39,900	-	-	-	-	39,900
			<b>TOTAL VALUE</b>	<b>36,80,449</b>	<b>16,29,418</b>	<b>16,95,081</b>	<b>2,25,750</b>	<b>90,300</b>	<b>39,900</b>

Note-

- The above details have been extracted from the fixed assets register but not forming part of Property plant and equipment as these are accounted for as Finance Lease Receivables as per IND AS 116 Leases and is included in Note 10 of the Company's audited standalone financial statements for the year ended March 31, 2024.
- 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  
 Chief - Jamshedpur Operations  
 Place : Jojobera, Jamshedpur, 831016  
 Date : 13.09.2024



## Computation of Actual Inflation Factor for FY 2024

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	FY 2023-24
Inflation Factor	1.46%	3.05%	3.01%	4.92%	4.90%	<b>3.34%</b>	<b>8.67%</b>	<b>7.56%</b>	3.72%
<b>Wtg. Avg.</b>	<b>3.47%</b>								

WPI	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Average	
FY 2023-24	151.10	149.40	148.90	152.10	152.50	151.80	152.50	153.10	151.80	151.20	151.20	151.40	151.42	<b>-0.73%</b>
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	<b>9.41%</b>
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	<b>13.00%</b>
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	<b>1.29%</b>
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	<b>1.68%</b>
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	<b>4.28%</b>
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	<b>2.92%</b>
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	<b>1.73%</b>
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	<b>-3.65%</b>
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 2023-24	386.50	387.94	392.83	402.34	400.90	396.00	398.59	400.61	399.74	400.03	400.90	400.03	397.20	<b>5.19%</b>
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	<b>6.05%</b>
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	<b>5.13%</b>
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	<b>5.02%</b>
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	<b>7.53%</b>
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	<b>5.45%</b>
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	<b>3.08%</b>
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	<b>4.12%</b>
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	<b>5.65%</b>
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, 2024  
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 September 11, 2024 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 March 31, 2024.
2. At the request of the Company, we have examined the attached "Statement of Profit and Loss for the year ended March 31, 2024 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, 2024, 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, 2024 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 [including JSERC (Terms and Conditions for Determination of Generation Tariff) Regulations, 2020] 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, 2024.



**S R B C & CO LLP**

Chartered Accountants

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 08, 2024. 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, 2024 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.
  - c) Verified the revenue from "Operation Management Services- Assets Under Lease" reported in the Annexure 1 for Unit 2;
  - 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, 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, 2024 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, 2024.

**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: 24055833BKFQXK4289



Place: Kolkata  
Date: October 25, 2024



**PROFIT AND LOSS STATEMENT OF JOJOBERA 120 MW , UNIT NO 2 FOR THE FINANCIAL YEAR ENDED 31ST MARCH, 2024**  
(Division of The Tata Power Company Limited)

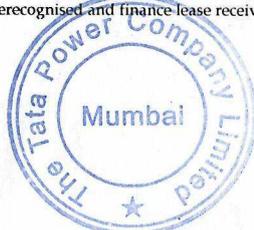
Sl.no	Particulars	Amount (Rs.)
<b>A</b>	<b>REVENUE (Refer Note 1)</b>	
	Operation Management Services- Assets Under Lease	3,40,22,91,897
	Operating Income- Income from Finance Lease	22,98,00,000
	Operating Income- Others	1,74,80,565
	Other Income	15,787
	<b>TOTAL REVENUE (A)</b>	<b>3,64,95,88,249</b>
<b>B</b>	<b>EXPENSES (Refer Note 1,2,3 &amp; 4)</b>	
	Cost of Fuel	2,35,38,06,379
	Employee Benefit Expenses	10,41,05,276
	Terminal Liabilities	66,95,525
	Finance Cost	1,26,26,565
	Depreciation & Amortizations	1,80,082
	Consumption of Stores, Oil, etc.	2,98,07,503
	Rental of Land, Buildings, Plant and Equipment, etc.	11,64,543
	Repairs and Maintenance	10,81,19,651
	Rates and Taxes	26,19,753
	Raw water Expenses	5,90,22,898
	Insurance	1,01,57,572
	Other Operation Expenses	1,55,90,164
	Ash Disposal Expenses	3,74,22,793
	Travelling and Conveyance Expenses	53,16,891
	Cost of Services Procured	1,31,88,541
	Miscellaneous Expenses	1,16,65,792
	Allocation of Head Office expenses	11,53,02,234
	<b>TOTAL EXPENSES (B)</b>	<b>2,88,67,92,164</b>
	<b>PROFIT BEFORE TAX (A-B)</b>	<b>76,27,96,085</b>

**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 Finance 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.
Depreciation & Amortizations	Gross block of assets of the units
Operating Income-Sale of fly Ash	Coal Consumed
Ash Disposal Expenses	Coal Consumed
Employee Benefit Expenses & Terminal Liabilities	Production staff on capacity of the plants and support staff equally among the units. Production and support staff comprises 81% and 19% respectively of the total employee headcount at Jojobera division. Accordingly, Total Employee Benefit Expenses have been apportioned in production staff expense and support staff expense in ratio of 81:19.
Consumption of Stores, Oil etc, Repairs and Maintenance	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, 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 2022-23. 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.



For and on behalf of  
The Tata Power Company Limited

*Jinendra V Patil*  
Jinendra V Patil  
Group Financial Controller, Finance and Accounts

Date: 24.10.2024  
Place: Mumbai

**TATA POWER**

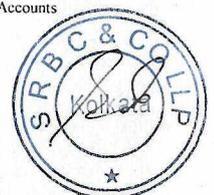
The Tata Power Company Limited

Corporate Centre 34 Sant Tukaram Road Carnac Bunder Mumbai 400009

Tel 91 22 6717 1000

Registered Office : Bombay House 24 Homi Mody Street Mumbai 400 001

Website : www.tatapower.com Email : tatapower@tatapower.com CIN : L28920MH1919PLC000567



**Independent Auditors' Report on Statement of Profit and Loss for the year ended March 31, 2024 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 September 11, 2024 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 March 31, 2024.
2. At the request of the Company, we have examined the attached "Statement of Profit and Loss for the year ended March 31, 2024 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, 2024, 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, 2024 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 [including JSERC (Terms and Conditions for Determination of Generation Tariff) Regulations, 2020] 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, 2024.



**SRBC & CO LLP**

Chartered Accountants

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 08, 2024. 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, 2024 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.
  - c) Verified the revenue from "Operation Management Services- Assets Under Lease" reported in the Annexure 1 for Unit 3;
  - 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, 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, 2024 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, 2024.

**Restriction on Use**

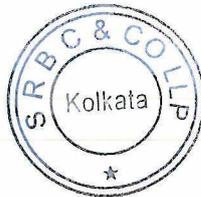
11. This report has been issued at the request of the Company to be submitted to Jharkhand State Electricity Regulatory Commission and is not to be used for any other purpose or to be distributed to any other parties. Accordingly, we do not accept or assume any liability or any duty of care for any other 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: 24055833BKFQXJ5433



Place: Kolkata

Date: October 25, 2024

**PROFIT AND LOSS STATEMENT OF JOJOBERA 120 MW , UNIT NO 3 FOR THE FINANCIAL YEAR ENDED 31ST MARCH, 2024**  
 (Division of The Tata Power Company Limited)

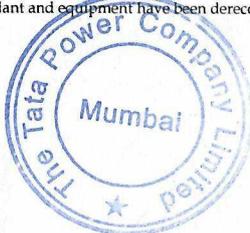
Sl. No	Particulars	Amount (Rs.)
<b>A</b>	<b>REVENUE (Refer Note 1)</b>	
	Operation Management Services- Assets Under Lease	3,22,00,26,682
	Operating Income- Income from Finance Lease	27,01,00,000
	Operating Income- Others	1,71,27,681
	Other Income	18,728
	<b>TOTAL REVENUE (A)</b>	<b>3,50,72,73,091</b>
<b>B</b>	<b>EXPENSES (Refer Note 1,2,3 &amp;4)</b>	
	Cost of Fuel	2,24,61,58,443
	Employee Benefit Expenses	10,39,17,133
	Terminal Liabilities	66,95,525
	Finance Cost	1,26,43,155
	Depreciation & Amortizations	1,46,798
	Consumption of Stores, Oil, etc.	3,83,77,844
	Rental of Land, Buildings, Plant and Equipment, etc.	10,12,889
	Repairs and Maintenance	20,71,08,254
	Rates and Taxes	26,19,753
	Raw water Expenses	5,61,80,100
	Insurance	82,80,160
	Other Operation Expenses	38,57,200
	Ash Disposal Expenses	3,58,65,189
	Travelling and Conveyance Expenses	53,01,803
	Cost of Services Procured	1,27,86,527
	Miscellaneous Expenses	1,13,35,918
	Allocation of Head Office expenses	11,85,44,137
	<b>TOTAL EXPENSES (B)</b>	<b>2,87,08,30,828</b>
	<b>PROFIT BEFORE TAX (A-B)</b>	<b>63,64,42,263</b>

**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 Finance 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
Depreciation & Amortizations	Gross block of assets of the units
Operating Income-Sale of fly Ash	Coal Consumed
Ash Disposal Expenses	Coal Consumed
Employee Benefit Expenses & Terminal Liabilities	Production staff on capacity of the plants and support staff equally among the units. Production and support staff comprises 81% and 19% respectively of the total employee headcount at Jojobera division. Accordingly, Total Employee Benefit Expenses have been apportioned in production staff expense and support staff expense in ratio of 81:19.
Consumption of Stores,Oil etc, Repairs and Maintenance	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,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 2022-23. 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.



For and on behalf of  
 The Tata Power Company Limited

*Jinendra V Patil*  
 Jinendra V Patil  
 Group Financial Controller, Finance and Accounts



Date: 24.10.2024  
 Place: Mumbai

**TATA POWER**

**The Tata Power Company Limited**

Corporate Centre 34 Sant Tukaram Road Carnac Bunder Mumbai 400009

Tel 91 22 6717 1000

Registered Office : Bombay House 24 Homi Mody Street Mumbai 400 001

Website : www.tatapower.com Email : tatapower@tatapower.com CIN : L28920MH1919PLC000567

BILL

Date: 08.05.2023.

Head (F &amp; A)

Jojobera Power Plant

Through: Chief-O&amp;M

Tata Power, Jamshedpur.

Ref: Payment of clarified water supplied by M/s Jusco for the month of APRIL '2023.

Enclosed please find the Bill as verified by us for the supply of raw water from JUSCO.

Bill No: 3020702851 dated 29.04.2023.

Meter Reading Date	<u>25.03.2023</u>	<u>25.04.2024</u>
Meter Reading in M <sup>3</sup>	<u>6448635</u>	<u>7338592</u>
Total for the period from	<u>25.03.23 to 25.04.23</u>	<u>8,89,957 m<sup>3</sup></u>

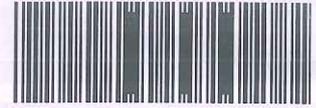
Cost of water =Rs. 28.68 Per M<sup>3</sup>Amount: Rs. 2,155,30,282.59/-(Rupees Two crore Fifty Five Lakhs thirty thousand two hundred eighty two & Fifty nine paise only).Due Date: 20.05.2023Bill received for verification on 08.05.2023

Head- Chemical &amp; Water Treatment

Jojobera Power Plant

Encl: Original Certified Bill No: 3020702851 dated 29.04.2023.

## 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
Recipient (BP) Name	TATA ELECTRIC CO. .	Bill No.	003020702851
Address	JOJOBERA POWER PLANT , P.O. RAHARGORA,Hol. No. 563 JAMSHEDPUR Rahargora JAMSHEDPUR-831001	Payment Due Date (Current Bill)	20.05.2023
		No. of Pages	01 of 01
		Old Balance / SD Req. Amt (Rs.)	0
Jharkhand GST State Code - 20 Recipient GSTIN -		Total of all pages (Rs.)	25530282.59
Phone No.		Previous Outstanding (Rs.)	153620490.72
Email Address	harsh.lunia@tatapower.com	TCS Bill Amount	0
Contracted Demand	0 KW	<b>GRAND TOTAL (RS.)</b>	<b>179150773.31</b>
Bill Date	29 04,2023	TSL GSTIN - 20AAACT2803M2ZO	
Security Deposit Amount (Elec.)	0	Period of Bill	25.03.2023 To 25 04 2023 S.Hr.
METER DETAIL AND CONSUMPTION HISTORY		Connection Charges Due (Water)	
ELECTRICITY			
Meter & MR Details		Consumption History	
Rate Category		Month	KWH
Meter Serial No.			KVAH
Meter Card No.			MD
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		Month	KL
Meter Serial No.			
Meter Card No.			
Multiplying Factor			
Meter Status			
Reading Status			
Curr. Reading Date			
Last Reading Date			
Current Reading		KL	Meter Size (mm)
Last Reading		KL	800 mm
Unit [Diff X MF] (C)			
Electricity Charges		Water Charges	
Total Consumed KWH (C+P) or B or D		Charged Units (KL)	889957.00
Total Consumed KVAh (C+P) or B or D		Consumed/ Flat Charges (Rs.)	25530282.59
Print MD / Billing MD (KW/KVA)		Delay Payment Surcharge (Rs.)	0
Load factor (%)		Meter Service Charges (Rs.)	0
Energy Charges (Rs.)		Any Other Charges (Rs.)	0
Jharkhand Electricity Duty (Rs.)		TOTAL WATER (B)	25530282.59
Fixed/Demand Charges (Rs.)		Other Charges	
Voltage Rebate (Rs.)		Non Taxable Rent (Rs.)	0
Load Factor Surcharge/Rebate (Rs.)		Taxable Rent (Rs.)	0
FPPPA Charges (Rs.)		Municipal Contribution (Rs.)	0
Adjustment for Excess Demand (Rs.)		Conservancy Charges (Rs.)	0
Delay Payment Surcharge (Rs.)		Miscellaneous Charges (Rs.)	0
Early / Digital Pay Rebate (Rs.)		GST Rate (%)	9%
Interest on Security Deposit (Rs.)		Any Other Charges (Rs.) *	0
Any Other Charges (Rs.) *		TOTAL OTHERS (C)	0
TOTAL ELECTRICITY (A)	0	BILL AMOUNT=(A+B+C)	25530282.6
Last Payment Detail	Establishment No. 1000000H0573099	Service No.	NP/
Receipt No.	TATAPOWER-RTGS-	Receipt Date	28.03.2023
Cheque No.		Receipt Amount	-35685941
		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

## BILL

Date: 12.06.2023

Head (F &amp; A)

Jojobera Power Plant

Through: Chief O&amp;M

Tata Power, Jamshedpur.

Ref: Payment of clarified water supplied by M/s Jusco for the month of May '2023

Enclosed please find the Bill as verified by us for the supply of raw water from JUSCO.

Bill No: 3020803452 dated 31.05.2023

Meter Reading Date	25.04.2023	25.05.2023
Meter Reading in M <sup>3</sup>	7338592	8232406
Total for the period from 25.04.2023 to 25.05.2023	8,93,814 M <sup>3</sup>	

Cost of water =Rs. 29.67/Per M<sup>3</sup>

Amount: Rs. 2,59,92,111.12/-

(Rupees TWO CRORE FIFTY NINE LAKHS NINETY TWO THOUSAND ONE HUNDRED ELEVEN &amp; TWELVE PAISE only).

Due Date: 21.06.2023

Bill received for verification on 10.06.2023

Head- Chemical &amp; Water Treatment

Jojobera Power Plant

Encl: Original Certified Bill No: 3020803452 dated 31.05.2023

TAX INVOICE / Bill of Supply

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Original for recipient

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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. 003020803452
Recipient (BP) Name	TATA ELECTRIC CO. .	Payment Due Date (Current Bill)	21.06.2023
Address	JOJOBERA POWER PLANT , P.O. RAHARGORA,Hol. No. 563 JAMSHEDPUR Rahargora JAMSHEDPUR-831001	No. of Pages	01 of 01
		Old Balance / SD Req. Amt (Rs.)	0
		Total of all pages (Rs.)	25992111.12
		Previous Outstanding (Rs.)	172664846.06
Jharkhand GST State Code - 20 Recipient GSTIN -		TCS Bill Amount	0
Phone No.		<b>GRAND TOTAL (RS.)</b>	<b>198656957.18</b>
Email Address	harsh.lunia@tatapower.com	TSL GSTIN - 20AAACT2803M2Z0	
Contracted Demand	0 KW	Period of Bill	25.04.2023 To 25.05.2023 S.Hr.
Bill Date	31.05.2023	Bill Month	May
Security Deposit Amount (Elec.)	0	Connection Charges Due (Water)	
METER DETAIL AND CONSUMPTION HISTORY			
ELECTRICITY		WATER	
Meter & MR Details	Consumption History	Meter & MR Details	Consumption History
Rate Category		Rate Category	CLARIFIED INDUSTRIAL
Meter Serial No.	Month	KWH	KVAH
Meter Card No.			
Multiplying Factor			
Meter Status			
Reading Status			
Current Reading Date			
Last Reading Date			
Current Reading	KWH	KVAH	MD
Last Reading	KWH	KVAH	MD
Unit (Diff X MF) (C)	KWH	KVAH	MD
Meter Sl. No.	78048919000	Meter Card No.	78048919000
M.F.	1.0	Meter Status	CONNECTED
Reading Status	OK	Current Rdg. Dt.	25.05.2023
Current Rdg. Dt.	25.05.2023	Last Rdg. Dt.	26.04.2023
Last Rdg. Dt.	26.04.2023	Current Rdg.	8232406.0000
Current Rdg.	8232406.0000	Last Rdg.	7338592.0000
Last Rdg.	7338592.0000	KL	Meter Size (mm)
KL	Meter Size (mm)	KL	800 mm
Electricity Charges		Water Charges	
Total Consumed KWH (C+P) or B or D		Charged Units (KL)	893814.00
Total Consumed KVAh (C+P) or B or D		Consumed/ Flat Charges (Rs.)	25992111.12
Print MD / Billing MD (KWH/KVA)		Delay Payment Surcharge (Rs.)	0
Load factor (%)		Meter Service Charges (Rs.)	0
Energy Charges (Rs.)		Any Other Charges (Rs.)	0
Jharkhand Electricity Duty (Rs.)		TOTAL WATER (B)	25992111.12
Fixed/Demand Charges (Rs.)		Other Charges	
Voltage Rebate (Rs.)		Non Taxable Rent (Rs.)	0
Load Factor Surcharge/Rebate (Rs.)		Taxable Rent (Rs.)	0
FPPPA Charges (Rs.)		Municipal Contribution (Rs.)	0
Adjustment for Excess Demand (Rs.)		Conservancy Charges (Rs.)	0
Delay Payment Surcharge (Rs.)		Miscellaneous Charges (Rs.)	0
Early / Digital Pay Rebate (Rs.)		GST Rate (%)	9%
Interest on Security Deposit (Rs.)		Any Other Charges (Rs.) *	0
Any Other Charges (Rs.) *		TOTAL OTHERS (C)	0
TOTAL ELECTRICITY (A)	0	BILL AMOUNT-(A+B+C)	25992111.1
Last Payment Detail	Establishment No. 1000000H0573099	Service No.	NP/
Receipt No.	RTGSREF-304287010640	Receipt Date.	28.04.2023
Receipt Amount		Receipt Amount	-6468284.25
Chaque No.		Chaque 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*

Date: 08.07.2023

Head (F &amp; A)

Jojobera Power Plant

Through: Chief-O&amp;M

Tata Power, Jamshedpur.

Ref: Payment of clarified water supplied by M/s Jusco for the month of JUNE '2023

Enclosed please find the Bill as verified by us for the supply of raw water from JUSCO.

Bill No: 3020900183 dated 30.06.2023

Meter Reading Date	25.05.2023	24.06.2023
Meter Reading in M3	8232406	9097975
Total for the period from 25.05.23 to 24.06.23		865569 M <sup>3</sup>

Cost of water =Rs. 29.08/Per M3

Amount: Rs. 2,51,70,746.52/-

(Rupees TWO CRORE FIFTY ONE LAKHS SEVENTY THOUSAND SEVEN HUNDRED FORTY SIX &amp; FIFTY TWO PAISE only).

Due Date: 21.07.2023

Bill received for verification on 07.07.2023

Head- Chemical &amp; Water Treatment

Jojobera Power Plant.

Encl: Original Certified Bill No: 3020900183 dated 30.06.2023.



Original for recipient

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<b>JUSCO</b>		<b>TATA STEEL</b>							
Utility Bill Cum Notice Jamshedpur									
NAME & ADDRESS				BILL DETAILS					
Recipient (BP) No.	0010051793-Consumer No0000341			Bill Type	Periodic Bill	Bill No.	003020900183		
Recipient (BP) Name	TATA ELECTRIC CO. .			Payment Due Date (Current Bill)	21.07.2023				
Address	JOJOBERA POWER PLANT , P.O. RAHARGORA,Hol. No. 563 JAMSHEDPUR Rahargora JAMSHEDPUR-831001			No. of Pages	01 of 01				
				Old Balance / SD Req. Amt (Rs.)	0				
				Total of all pages (Rs.)	25170746.52				
Jharkhand GST State Code - 20 Recipient GSTIN -				Previous Outstanding (Rs.)	193125449.56				
Phone No.				TCS Bill Amount	0				
Email Address	harsh.lunia@tatapower.com			<b>GRAND TOTAL (RS.)</b>	<b>218296196.08</b>				
Contracted Demand	0 KW			TSL GSTIN - 20AAACT2803M2ZO					
Bill Date	30.06.2023	Bill Month	Jun	Period of Bill	25.05.2023	To	24.06.2023 S.Hr.		
Security Deposit Amount (Elec.)	0			Connection Charges Due (Water)					
METER DETAIL AND CONSUMPTION HISTORY									
ELECTRICITY				WATER					
Meter & MR Details		Consumption History		Meter & MR Details		Consumption History			
Rate Category				Rate Category	CLARIFIED INDUSTRIAL				
Meter Serial No.		Month	KWH	Meter SI. No.	78048919000	Month	KL		
Meter Card No.				Meter Card No.	78048919000	MAY(OK)	893814.00		
Multiplying Factor				M.F.	1.0	APR(OK)	889957.00		
Meter Status				Meter Status	CONNECTED	MAR(OK)	652253.00		
Reading Status				Reading Status	OK	FEB(OK)	701961.00		
Curr. Reading Date				Current. Rdg. Dt.	24.06.2023	JAN(OK)	677419.00		
Last Reading Date				Last Rdg.Dt.	26.05.2023	DEC(OK)	694634.00		
Current Reading		KWH		Current Rdg.	9097975.0000	KL	Meter Size (mm)		
Last Reading		KWH		Last Rdg.	8232406.0000	KL	800 mm		
Unit [Diff X MF] (C)		KWH							
Electricity Charges				Water Charges					
Total Consumed KWH (C+P) or B or D				Charged Units (KL)				CGST	SGST
Total Consumed KVAh (C+P) or B or D				Consumed/ Flat Charges (Rs.)				865569.00	
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)				25170746.52	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)				BILL AMOUNT=(A+B+C)				25170746.5	
Last Payment Detail		Establishment No.	1000000H0573099	Service No.	NP/				
Receipt No.	TATAPOER-RTGS-	Receipt Date.	31.05.2023	Receipt Amount	-5505977.62				
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.

Date: 11/08/2023

Head (F &amp; A)

Jojobera Power Plant

Through: Chief-O&amp;M

Tata Power, Jamshedpur.

Ref: Payment of clarified water supplied by M/s Jusco for the month of July '2023

Enclosed please find the Bill as verified by us for the supply of raw water from JUSCO.

Bill No: 3040071968 dated 31.07.2023

Meter Reading Date	24.06.2023	25.07.2023
Meter Reading in M <sup>3</sup>	000000 (RESET)	8,29,639
Total for the period from	24/06/23 to 25/07/23	829639 M <sup>3</sup> .

Cost of water =Rs. 29.07/- Per M<sup>3</sup>

Amount: Rs. 2,41,25,902.12/-

(Rupees TWO CRORES FORTY ONE LAKHS TWENTY FIVE THOUSAND NINE HUNDRED TWO &amp; TWELVE PAISE only).

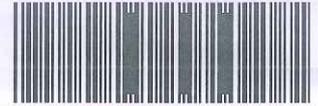
Due Date: 21/08/2023

Bill received for verification on 10/08/2023

Head- Chemical &amp; Water Treatment

Jojobera Power Plant,

Encl: Original Certified Bill No: 3040071968 dated 31/07/2023



Original for recipient

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<b>JUSCO</b> <small>quality services for life</small> <small>a TATA Enterprise</small>		<b>TATA STEEL</b> <b>TATA STEEL</b>							
Utility Bill Cum Notice Jamshedpur									
NAME & ADDRESS			BILL DETAILS						
Recipient (BP) No.	0010051793-Consumer No0000341		Bill Type	Periodic Bill	Bill No.	003040071968			
Recipient (BP) Name	TATA ELECTRIC CO. .		Payment Due Date (Current Bill)		21.08.2023				
Address	JOJOBERA POWER PLANT , P.O. RAHARGORA,Hol. No. 563 JAMSHEDPUR Rahargora JAMSHEDPUR-831001		No. of Pages		01 of 01				
			Old Balance / SD Req. Amt (Rs.)		0				
			Total of all pages (Rs.)		24125902.12				
			Previous Outstanding (Rs.)		100818983.14				
Jharkhand GST State Code - 20 Recipient GSTIN -			TCS Bill Amount		0				
Phone No.			<b>GRAND TOTAL (RS.)</b>		124944885.26				
Email Address	harsh.lunia@tatapower.com		TSL GSTIN - 20AAACT2803M2ZO						
Contracted Demand	0 KW								
Bill Date	31.07.2023	Bill Month	Jul	Period of Bill	25.06.2023 To 25.07.2023 S.Hr.				
Security Deposit Amount (Elec.)	0		Connection Charges Due (Water)						
METER DETAIL AND CONSUMPTION HISTORY									
ELECTRICITY				WATER					
Meter & MR Details		Consumption History		Meter & MR Details		Consumption History			
Rate Category				Rate Category	CLARIFIED INDUSTRIAL				
Meter Serial No.		Month	KWH	KVAH	MD	Meter Sl. No.	78048919000	Month	KL
Meter Card No.						Meter Card No.	78048919000		()
Multiplying Factor						M.F.	1.0		()
Meter Status						Meter Status	CONNECTED		()
Reading Status						Reading Status	OK		()
Curr. Reading Date						Current Rdg. Dt.	25.07.2023		()
Last Reading Date						Last Rdg.Dt.	25.06.2023		()
Current Reading		KWH		KVAH		Current Rdg.	829639.00000	KL	Meter Size (mm)
Last Reading		KWH		KVAH		Last Rdg.	9097975.0000	KL	800 mm
Unit [Diff X MF] (C)		KWH		KVAH					
Electricity Charges				Water Charges		CGST	SGST		
Total Consumed KWH (C+P) or B or D				Charged Units (KL)		829639.00			
Total Consumed kVAh (C+P) or B or D				Consumed/ Flat Charges (Rs.)		24125902.12			
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)		24125902.12	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)				BILL AMOUNT=(A+B+C)		24125902.1			
Last Payment Detail	Establishment No.	1000000H0573099	Service No.	NP/					
Receipt No.	TATAPOWER RTGS-	Receipt Date.	05.07.2023	Receipt Amount	-53950117.78				
Cheque No.		Cheque Date		Bank Name					

## 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

Date: 12.09.2023

Head (F &amp; A)

Jojobera Power Plant

Through: Chief O&amp;M

Tata Power, Jamshedpur.

Ref: Payment of clarified water supplied by M/s Jusco for the month of AUGUST 2023 /

Enclosed please find the Bill as verified by us for the supply of raw water from JUSCO.

Bill No: 3040168351 dated 31.08.2023

Meter Reading Date	25.07.2023	25.08.2023
Meter Reading in M <sup>3</sup>	829639	1640612
Total for the period from 25.07.23 to 25.08.23	810973 M <sup>3</sup>	

Cost of water =Rs. 29.07/- Per M<sup>3</sup>

Amount: Rs. 2,35,83,094.80/-

(Rupees TWO CRORE THIRTY FIVE LAKHS EIGHTY THREE THOUSAND NINETY FOUR &amp; EIGHTY PAISE only).

Due Date: 21.09.2023

Bill received for verification on 12/09/2023

Head- Chemical &amp; Water Treatment

Jojobera Power Plant,

Encl: Original Certified Bill No: 3040168351 dated 31.08.2023

## 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.	003040168351			
Recipient (BP) Name	TATA ELECTRIC CO. .		Payment Due Date (Current Bill)		21.09.2023				
Address	JOJOBERA POWER PLANT , P.O. RAHARGORA, Hol. No. 563 JAMSHEDPUR Rahargora JAMSHEDPUR-831001		No. of Pages		01 of 01				
			Old Balance / SD Req. Amt (Rs.)		0				
			Total of all pages (Rs.)		23583094.84				
			Previous Outstanding (Rs.)		115389786.18				
Jharkhand GST State Code - 20 Recipient GSTIN -			TCS Bill Amount		0				
Phone No.			<b>GRAND TOTAL (RS.)</b>			138972881.02			
Email Address	harsh.lunia@tatapower.com		TSL GSTIN - 20AAACT2803M2ZO						
Contracted Demand	0 KW								
Bill Date	31.08.2023	Bill Month	Aug	Period of Bill	25.07.2023 To 25.08.2023	S.Hr.			
Security Deposit Amount (Elec.)	0		Connection Charges Due (Water)						
METER DETAIL AND CONSUMPTION HISTORY									
ELECTRICITY				WATER					
Meter & MR Details		Consumption History		Meter & MR Details		Consumption History			
Rate Category				Rate Category	CLARIFIED INDUSTRIAL				
Meter Serial No.		Month	KWH	KVAH	MD	Meter Sl. No.	78048919000	Month	KL
Meter Card No.						Meter Card No.	78048919000	JUL(OK)	829639.00
Multiplying Factor						M.F.	1.0	JUN()	
Meter Status						Meter Status	CONNECTED	MAY()	
Reading Status						Reading Status	OK	APR()	
Curr. Reading Date						Current. Rdg. Dt.	25.08.2023	MAR()	
Last Reading Date						Last Rdg.Dt.	26.07.2023	FEB()	
Current Reading		KWH		KVAH		Current Rdg.	1640612.00000	KL	Meter Size (mm)
Last Reading		KWH		KVAH		Last Rdg.	829639.00000	KL	800 mm
Unit [Diff X MF] (C)		KWH		KVAH					
Electricity Charges				Water Charges			CGST	SGST	
Total Consumed KWH (C+P) or B or D				Charged Units (KL)			810973.00		
Total Consumed kVAh (C+P) or B or D				Consumed/ Flat Charges (Rs.)			23583094.84		
Print MD / Billing MD (KW/kVA)				Delay Payment Surcharge (Rs.)			0		
Load factor (%)				Meter Service Charges (Rs.)			0	0	
Energy Charges (Rs.)				Any Other Charges (Rs.)			0	0	
Jharkhand Electricity Duty (Rs.)				TOTAL WATER (B)			23583094.84	0	
Fixed/Demand Charges (Rs.)				Other Charges					
Voltage Rebate (Rs.)				Non Taxable Rent (Rs.)			0	--	
Load Factor Surcharge/Rebate (Rs.)				Taxable Rent (Rs.)			0	0	
FPPPA Charges (Rs.)				Municipal Contribution (Rs.)			0	0	
Adjustment for Excess Demand (Rs.)				Conservancy Charges (Rs.)			0	0	
Delay Payment Surcharge (Rs.)				Miscellaneous Charges (Rs.)			0	0	
Early / Digital Pay Rebate (Rs.)				GST Rate (%)				9%	
Interest on Security Deposit (Rs.)				Any Other Charges (Rs.) *			0	0	
Any Other Charges (Rs.) *				TOTAL OTHERS (C)			0	0	
TOTAL ELECTRICITY (A)				BILL AMOUNT=(A+B+C)			23583094.8		
Last Payment Detail	Establishment No.	1000000H0573099		Service No.	NP/				
Receipt No.	POWER-RTGS-	Receipt Date.	02.08.2023	Receipt Amount	-4019222.41				
Cheque No.		Cheque Date		Bank Name					

## 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

Date: 07.10.2023

Head (F &amp; A)

Jojobera Power Plant

Through: Chief O&amp;M

Tata Power, Jamshedpur.

Ref: Payment of clarified water supplied by M/s Jusco for the month of SEPT '2023

Enclosed please find the Bill as verified by us for the supply of raw water from JUSCO.

Bill No: 3040261397 dated 30.09.2023

Meter Reading Date	25.08.2023	25.09.2023
Meter Reading in M <sup>3</sup>	1640612	2473855
Total for the period from 25.08.23 to 25.09.23		8,33,243 m <sup>3</sup>

Cost of water =Rs. 29.07/- Per M<sup>3</sup>

Amount: Rs. 2,42,30,706.44/-

(Rupees TWO CRIRE FOURTY TWO LAKHS THIRTY THOUSAND SEVEN HUNDRED SIX &amp; FOURTY FOUR PAISE only)

Due Date: 21.10.2023

Bill received for verification on 06/10/2023

Head- Chemical &amp; Water Treatment

Jojobera Power Plant,

Encl: Original Certified Bill No: 3040261397 dated 30.09.2023

## TAX INVOICE / Bill of Supply



Original for recipient

Seen To Pay



JUSCO		TATA STEEL	
Utility Bill Cum Notice Jamshedpur			
NAME & ADDRESS		BILL DETAILS	
Recipient (BP) No.	0010051793-Consumer No0000341	Bill Type	Periodic Bill
Recipient (BP) Name	TATA ELECTRIC CO. .	Bill No.	003040261397
Address	JOJOBERA POWER PLANT , P.O. RAHARGORA,Hol. No. 563 JAMSHEDPUR Rahargora JAMSHEDPUR-831001	Payment Due Date (Current Bill)	21.10.2023
		No. of Pages	01 of 01
		Old Balance / SD Req. Amt (Rs.)	0
Jharkhand GST State Code - 20 Recipient GSTIN -		Total of all pages (Rs.)	24230706.44
Phone No.		Previous Outstanding (Rs.)	137654560.36
Email Address	harsh.lunia@tatapower.com	TCS Bill Amount	0
Contracted Demand	0 KW	<b>GRAND TOTAL (RS.)</b>	<b>161885266.80</b>
Bill Date	30.09.2023	TSL GSTIN - 20AAACT2803M2ZO	
Bill Month	Sep	Period of Bill	25.08.2023 To 25.09.2023 S.Hr.
Security Deposit Amount (Elec.)	0	Connection Charges Due (Water)	
METER DETAIL AND CONSUMPTION HISTORY			
ELECTRICITY		WATER	
Meter & MR Details	Consumption History	Meter & MR Details	Consumption History
Rate Category		Rate Category	CLARIFIED INDUSTRIAL
Meter Serial No.	Month	Meter Sl. No.	78048919000
Meter Card No.	KWH	Meter Card No.	78048919000
Multiplying Factor	KVAH	M.F.	1.0
Meter Status	MD	Meter Status	CONNECTED
Reading Status		Reading Status	OK
Curr. Reading Date		Current Rdg. Dt.	25.09.2023
Last Reading Date		Last Rdg.Dt.	26.08.2023
Current Reading	KWH	Current Rdg.	2473855.0000
Last Reading	KVAH	Last Rdg.	1640612.0000
Unit [Diff X MF] (C)	KVAH		
		CL	Meter Size (mm)
			800 mm
Electricity Charges		Water Charges	
Total Consumed KWH (C+P) or B or D		Charged Units (KL)	833243.00
Total Consumed KVAH (C+P) or B or D		Consumed/ Flat Charges (Rs.)	24230706.44
Print MD / Billing MD (KW/KVA)		Delay Payment Surcharge (Rs.)	0
Load factor (%)		Meter Service Charges (Rs.)	0
Energy Charges (Rs.)		Any Other Charges (Rs.)	0
Jharkhand Electricity Duty (Rs.)		<b>TOTAL WATER (B)</b>	24230706.44
Fixed/Demand Charges (Rs.)		<b>Other Charges</b>	
Voltage Rebate (Rs.)		Non Taxable Rent (Rs.)	0
Load Factor Surcharge/Rebate (Rs.)		Taxable Rent (Rs.)	0
FPPPA Charges (Rs.)		Municipal Contribution (Rs.)	0
Adjustment for Excess Demand (Rs.)		Conservancy Charges (Rs.)	0
Delay Payment Surcharge (Rs.)		Miscellaneous Charges (Rs.)	0
Early / Digital Pay Rebate (Rs.)		GST Rate (%)	9%
Interest on Security Deposit (Rs.)		Any Other Charges (Rs.) *	0
Any Other Charges (Rs.) *		<b>TOTAL OTHERS (C)</b>	0
<b>TOTAL ELECTRICITY (A)</b>	0	<b>BILL AMOUNT=(A+B+C)</b>	<b>24230706.4</b>
Last Payment Detail	Establishment No. 1000000H0573099	Service No.	NP/
Receipt No.	TATAPOWER-RTGS-	Receipt Date.	31.08.2023
Cheque No.		Receipt Amount	-1294194.66
		Cheque Date	
		Bank Name	
Metered Water charges revised domestic as 5-50KL@9.24, 50-500KL@11.09. Commercial 0-50KL@13.86, 50-500KL@16.63 wef 01.07.2023. For any queries call			

## 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

Date: 14.11.2023

Head (F &amp; A)

Jojobera Power Plant

Through: Chief-O&amp;M

Tata Power, Jamshedpur.

Ref: Payment of clarified water supplied by M/s Jusco for the month of Oct '23

Enclosed please find the Bill as verified by us for the supply of raw water from JUSCO.

Bill No: 3040351815 dated 31.10.2023

Meter Reading Date:	<u>25/09/2023</u>	<u>25/10/2023</u>
Meter Reading in M <sup>3</sup>	<u>2473855</u>	<u>3227067</u>
Total for the period from <u>25/09/23</u> to <u>25/10/23</u>		<u>7,53,212 m<sup>3</sup></u>

Cost of water =Rs. 29.07 Per M<sup>3</sup>Amount: Rs. 2,19,13,404.96—(Rupees TWO CRORE NINETEEN LAKHS THREE THOUSAND FOUR HUNDRED FOUR & NINETY SIX PAISE only).Due Date: 21.11.2023Bill received for verification on 14/11/2023

Head- Chemical &amp; Water Treatment

Jojobera Power Plant,

Encl: Original Certified Bill No: 3040351815 dated 31.10.2023

TAX INVOICE / Bill of Supply

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Original for recipient

		<b>JUSCO</b>		<b>TATA STEEL</b>			
Utility Bill Cum Notice Jamshedpur							
NAME & ADDRESS				BILL DETAILS			
Recipient (BP) No.	0010051793-Consumer No0000341			Bill Type	Periodic Bill	Bill No.	003040351815
Recipient (BP) Name	TATA ELECTRIC CO. .			Payment Due Date (Current Bill)	21.11.2023		
Address	JOJOBERA POWER PLANT , P.O. RAHARGORA,Hol. No. 563 JAMSHEDPUR Rahargora JAMSHEDPUR-831001			No. of Pages	01 of 01		
				Old Balance / SD Req. Amt (Rs.)	0		
				Total of all pages (Rs.)	21903404.96		
				Previous Outstanding (Rs.)	105179040.96		
Jharkhand GST State Code - 20 Recipient GSTIN -				TCS Bill Amount	0		
Phone No.				<b>GRAND TOTAL (RS.)</b>		127082445.92	
Email Address	harsh.lunia@tatapower.com			TSL GSTIN - 20AAACT2803M2ZO			
Contracted Demand	0 KW			Period of Bill	25.09.2023	To	25.10.2023
Bill Date	31.10.2023	Bill Month	Oct			S.Hr.	
Security Deposit Amount (Elec.)	0			Connection Charges Due (Water)			
METER DETAIL AND CONSUMPTION HISTORY							
ELECTRICITY				WATER			
Meter & MR Details		Consumption History		Meter & MR Details		Consumption History	
Rate Category				Rate Category	CLARIFIED INDUSTRIAL		
Meter Serial No.		Month	KWH	Meter Si. No.	78048919000	Month	KL
Meter Card No.				Meter Card No.	78048919000	SEP(OK)	833243.00
Multiplying Factor				M.F.	1.0	AUG()	810973.00
Meter Status				Meter Status	CONNECTED	JUL()	829639.00
Reading Status				Reading Status	OK	JUN()	
Curr. Reading Date				Current. Rdg. Dt.	25.10.2023	MAY()	
Last Reading Date				Last Rdg.Dt.	26.09.2023	APR()	
Current Reading		KWH		Current Rdg.	3227067.0000	KL	Meter Size (mm)
Last Reading		KWH		Last Rdg.	2473855.0000	KL	800 mm
Unit [Diff X MF] (C)		KWH					
Electricity Charges				Water Charges			
Total Consumed KWH (C+P) or B or D				Charged Units (KL)	753212.00	CGST	SGST
Total Consumed kVAh (C+P) or B or D				Consumed/ Flat Charges (Rs.)	21903404.96		
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)	21903404.96	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)	21903405		
Last Payment Detail	Establishment No.	1000000H0573099		Service No.	NP/		
Receipt No.	TATAPOWER-RTGS-	Receipt Date.	31.08.2023	Receipt Amount	-1294194.66		
Cheque No.		Cheque Date		Bank Name			

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

Date: 08.12.2023

Head (F &amp; A)

Jojobera Power Plant

Through: Chief-O&amp;M

Tata Power, Jamshedpur.

Ref: Payment of clarified water supplied by M/s Jusco for the month of NOV' 23

Enclosed please find the Bill as verified by us for the supply of raw water from JUSCO.

Bill No: 3040442636 dated 30.11.23

Meter Reading Date	25.10.2023	25.11.2023
Meter Reading in M3	32270.67	39894.85
Total for the period from 25.10.23 to 25.11.23		762418 m3

Cost of water =Rs. 29.07/Per M3

Amount: Rs. 2,21,71,115.40

(Rupees TWO CRORE TWENTY ONE LAKHS SEVENTY ONE THOUSAND ONE HUNDRED FIFTEEN &amp; FORTY ONLY)

Due Date: 21.12.2023

Bill received for verification on 07/12/23

Head- Chemical &amp; Water Treatment

Jojobera Power Plant,

Encl: Original Certified Bill No: 3040442636 dated 30.11.2023



Date:

Head (F & A)

Jojobera Power Plant

*Ok  
Dy. M. 1.*

Through: ~~Chief-O&M~~

Tata Power, Jamshedpur.

Ref: Payment of clarified water supplied by M/s Jusco for the month of Dec' 23

Enclosed please find the Bill as verified by us for the supply of raw water from JUSCO.

Bill No: 3040534738 dated 31-12-2023

Meter Reading Date	<u>25-11-23</u>	<u>25-12-23</u>
Meter Reading in M3	<u>3989485</u>	<u>4620936</u>
Total for the period from	to	<u>631451</u>

Cost of water =Rs. 29.07 Per M3

Amount: Rs. 18362595.08

(Rupees ONE CRORE EIGHTY THREE LAKHS SIXTY TWO THOUSAND FIVE HUNDRED NINETY FIVE only).

Due Date: 22-01-2024

Bill received for verification on 10-01-2024

*Ok*

*[Signature]*

Head- Chemical & Water Treatment

Jojobera Power Plant,

Encl: Original Certified Bill No. 3040534738 dated 31-12-2023

TAX INVOICE / Bill of Supply



Original for recipient

		<b>JUSCO</b>		<b>TATA STEEL</b>			
Utility Bill Cum Notice Jamshedpur							
<b>NAME &amp; ADDRESS</b>				<b>BILL DETAILS</b>			
Recipient (BP) No.	0010051793-Consumer No0000341			Bill Type	Periodic Bill	Bill No.	003040534738
Recipient (BP) Name	TATA ELECTRIC CO. .			Payment Due Date (Current Bill)	22.01.2024		
Address	JOJOBERA POWER PLANT , P.O. RAHARGORA, Hol. No. 563 JAMSHEDPUR Rahargora JAMSHEDPUR-831001			No. of Pages	01 of 01		
				Old Balance / SD Req. Amt (Rs.)	0		
Jharkhand GST State Code - 20	Recipient GSTIN -			Total of all pages (Rs.)	18362595.08		
Phone No.				Previous Outstanding (Rs.)	134550573.12		
Email Address	harsh.lunia@tatapower.com			TCS Bill Amount	0		
Contracted Demand	0 KW			<b>GRAND TOTAL (RS.)</b>		<b>152913168.20</b>	
Bill Date	31.12.2023	Bill Month	Dec	TSL GSTIN - 20AAACT2803M2ZO			
Security Deposit Amount (Elec.)	0			Period of Bill	25.11.2023	To	25.12.2023 S.Hr.
				Connection Charges Due (Water)			
<b>METER DETAIL AND CONSUMPTION HISTORY</b>							
<b>ELECTRICITY</b>				<b>WATER</b>			
Meter & MR Details		Consumption History		Meter & MR Details		Consumption History	
Rate Category				Rate Category	CLARIFIED INDUSTRIAL		
Meter Serial No.	Month	KWH	KVAH	MD	Meter Sl. No.	78048919000	Month
Meter Card No.					Meter Card No.	78048919000	NOV(OK)
Multiplying Factor					M.F.	1.0	OCT()
Meter Status					Meter Status	CONNECTED	SEP()
Reading Status					Reading Status	OK	AUG()
Curr. Reading Date					Current. Rdg. Dt.	25.12.2023	JUL()
Last Reading Date					Last Rdg. Dt.	26.11.2023	JUN()
Current Reading		KWH		KVAH	Current Rdg.	4620936.0000	KL
Last Reading		KWH		KVAH	Last Rdg.	3989485.0000	KL
Unit [Diff X MF] (C)		KWH		KVAH			Meter Size (mm)
							800 mm
<b>Electricity Charges</b>				<b>Water Charges</b>		<b>CGST</b>	<b>SGST</b>
Total Consumed KWH (C+P) or B or D				Charged Units (KL)		631451.00	
Total Consumed kVAh (C+P) or B or D				Consumed/ Flat Charges (Rs.)		18362595.08	
Print MD / Billing MD (KW/kVA)				Delay Payment Surcharge (Rs.)		0	
Load factor (%)				Meter Service Charges (Rs.)		0	0
Energy Charges (Rs.)				Any Other Charges (Rs.)		0	0
Jharkhand Electricity Duty (Rs.)				<b>TOTAL WATER (B)</b>		18362595.08	0
Fixed/Demand Charges (Rs.)				Other Charges			
Voltage Rebate (Rs.)				Non Taxable Rent (Rs.)		0	--
Load Factor Surcharge/Rebate (Rs.)				Taxable Rent (Rs.)		0	0
FPPPA Charges (Rs.)				Municipal Contribution (Rs.)		0	0
Adjustment for Excess Demand (Rs.)				Conservancy Charges (Rs.)		0	0
Delay Payment Surcharge (Rs.)				Miscellaneous Charges (Rs.)		0	0
Early / Digital Pay Rebate (Rs.)				GST Rate (%)			9%
Interest on Security Deposit (Rs.)				Any Other Charges (Rs.) *		0	0
Any Other Charges (Rs.) *				<b>TOTAL OTHERS (C)</b>		0	0
<b>TOTAL ELECTRICITY (A)</b>				<b>BILL AMOUNT=(A+B+C)</b>		18362595.1	0
Last Payment Detail		Establishment No.	1000000H0573099	Service No.	NP/		
Receipt No.	TATAPOWER-RTGS-		Receipt Date.	29.11.2023	Receipt Amount	-4893763.03	
Cheque No.			Cheque Date		Bank Name		
Metered Water charges revised domestic as 5-50KL@9.24, 50-500KL@11.09. Commercial 0-50KL@13.86, 50-500KL@16.63 wef 01.07.2023. For any queries call							

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

Date: 07-02-2024

Head (F & A)

Jojobera Power Plant

Through: Chief-O&M

Tata Power, Jamshedpur.

Ref: Payment of clarified water supplied by M/s Jusco for the month of JAN-24

Enclosed please find the Bill as verified by us for the supply of raw water from JUSCO.

Bill No: 3040631911 dated 31-01-2024

Meter Reading Date	25-12-2023	25-01-2024
Meter Reading in M3	4620936	5331668
Total for the period from 25-12-2023 to 25-01-2024		710732100

Cost of water =Rs. 29.01 Per M3

Amount: Rs. 20668086.56 ✓

(Rupees TWO CRORE SIXTY SIX LAKHS EIGHT THOUSAND EIGHTY-SIX + FIFTY SIX PAISE only).

Due Date: 20-02-2024

Bill received for verification on 07-02-2024

Head- Chemical & Water Treatment

Jojobera Power Plant,

Encl: Original Certified Bill No: 3040631911 dated 31-01-2024

## TAX INVOICE / Bill of Supply



Original for recipient



Scan To Pay

JUSCO		TATA STEEL	
Utility Bill Cum Notice Jamshedpur			
NAME & ADDRESS		BILL DETAILS	
Recipient (BP) No.	0010051793-Consumer No0000341	Bill Type	Periodic Bill Bill No. 003040631911
Recipient (BP) Name	TATA ELECTRIC CO. .	Payment Due Date (Current Bill)	21.02.2024
Address	JOJOBERA POWER PLANT , P.O. RAHARGORA,Hol. No. 563 JAMSHEDPUR Rahargora JAMSHEDPUR-831001	No. of Pages	01 of 01
		Old Balance / SD Req. Amt (Rs.)	0
		Total of all pages (Rs.)	20668086.56
Jharkhand GST State Code - 20 Recipient GSTIN -		Previous Outstanding (Rs.)	99254895.04
Phone No.		TCS Bill Amount	0
Email Address	harsh.lunia@tatapower.com	<b>GRAND TOTAL (RS.)</b> 119922981.60	
Contracted Demand	0 KW	TSL GSTIN - 20AAACT2803M2ZO	
Bill Date	31.01.2024	Bill Month	Jan
Security Deposit Amount (Elec.)	0	Period of Bill	25.12.2023 To 25.01.2024 S.Hr.
		Connection Charges Due (Water)	
METER DETAIL AND CONSUMPTION HISTORY			
ELECTRICITY		WATER	
Meter & MR Details	Consumption History	Meter & MR Details	Consumption History
Rate Category		Rate Category	CLARIFIED INDUSTRIAL
Meter Serial No.	Month	Meter Sf. No.	78048919000
Meter Card No.	KWH	Meter Card No.	78048919000
Multiplying Factor	KVAH	M.F.	1.0
Meter Status	MD	Meter Status	CONNECTED
Reading Status		Reading Status	OK
Curr. Reading Date		Current. Rdg. Dt.	25.01.2024
Last Reading Date		Last Rdg.Dt.	26.12.2023
Current Reading	KWH	Current Rdg.	5331668.0000
Last Reading	KVAH	Last Rdg.	4620936.0000
Unit [Diff X MF] (C)	KVAH		
Electricity Charges		Water Charges	
Total Consumed KWH (C+P) or B or D		Charged Units (KL)	710732.00
Total Consumed KVAh (C+P) or B or D		Consumed/ Flat Charges (Rs.)	20668086.56
Print MD / Billing MD (KW/kVA)		Delay Payment Surcharge (Rs.)	0
Load factor (%)		Meter Service Charges (Rs.)	0
Energy Charges (Rs.)		Any Other Charges (Rs.)	0
Jharkhand Electricity Duty (Rs.)		TOTAL WATER (B)	20668086.56
Fixed/Demand Charges (Rs.)		Other Charges	
Voltage Rebate (Rs.)		Non Taxable Rent (Rs.)	0
Load Factor Surcharge/Rebate (Rs.)		Taxable Rent (Rs.)	0
FPPPA Charges (Rs.)		Municipal Contribution (Rs.)	0
Adjustment for Excess Demand (Rs.)		Conservancy Charges (Rs.)	0
Delay Payment Surcharge (Rs.)		Miscellaneous Charges (Rs.)	0
Early / Digital Pay Rebate (Rs.)		GST Rate (%)	9%
Interest on Security Deposit (Rs.)		Any Other Charges (Rs.) *	0
Any Other Charges (Rs.) *		TOTAL OTHERS (C)	0
TOTAL ELECTRICITY (A)	0	BILL AMOUNT=(A+B+C)	20668086.6
Last Payment Detail	Establishment No. 1000000H0573099	Service No.	NP/
Receipt No.	TATAPOWER-RTGS-	Receipt Date.	01.01.2024
Cheque No.		Receipt Amount	-53639910.56
		Cheque Date.	
		Bank Name.	
Metered Water charges revised domestic as 5-50KL@9.24, 50-500KL@11.09. Commercial 0-50KL@13.86, 50-500KL@16.63 wef 01.07.2023. For any queries call			

## 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*

# TAX INVOICE / Bill of Supply

288



Original for recipient

Scan To Pay



<b>JUSCO</b>		<b>TATA STEEL</b>							
Utility Bill Cum Notice Jamshedpur									
NAME & ADDRESS				BILL DETAILS					
Recipient (BP) No.	0010051793-Consumer No0000341			Bill Type	Periodic Bill	Bill No.	003040724452		
Recipient (BP) Name	TATA ELECTRIC CO. .			Payment Due Date (Current Bill)	21.03.2024				
Address	JOJOBERA POWER PLANT , P.O. RAHARGORA,Hol. No. 563 JAMSHEDPUR Rahargora JAMSHEDPUR-831001			No. of Pages	01 of 01				
				Old Balance / SD Req. Amt (Rs.)	0				
				Total of all pages (Rs.)	19352594.6				
				Previous Outstanding (Rs.)	116437372.47				
Jharkhand GST State Code - 20 Recipient GSTIN -				TCS Bill Amount	0				
Phone No.				<b>GRAND TOTAL (RS.)</b>		135789967.07			
Email Address	harsh.lunia@tatapower.com			TSL GSTIN - 20AAACT2803M2ZO					
Contracted Demand	0 KW			Period of Bill	25.01.2024	To	24.02.2024 S.Hr.		
Bill Date	29.02.2024	Bill Month	Feb	Connection Charges Due (Water)					
Security Deposit Amount (Elec.)	0								
METER DETAIL AND CONSUMPTION HISTORY									
ELECTRICITY					WATER				
Meter & MR Details		Consumption History			Meter & MR Details		Consumption History		
Rate Category		Month	KWH	KVAH	MD	Rate Category	CLARIFIED INDUSTRIAL		
Meter Serial No.						Meter Sl. No.	78048919000	Month	KL
Meter Card No.						Meter Card No.	78048919000	JAN(OK)	710732.00
Multiplying Factor						M.F.	1.0	DEC()	631451.00
Meter Status						Meter Status	CONNECTED	NOV()	762418.00
Reading Status						Reading Status	OK	OCT()	753212.00
Curr. Reading Date						Current. Rdg. Dt.	24.02.2024	SEP()	833243.00
Last Reading Date						Last Rdg.Dt.	26.01.2024	AUG()	810973.00
Current Reading		KWH		KVAH		Current Rdg.	5997163.0000	KL	Meter Size (mm)
Last Reading		KWH		KVAH		Last Rdg.	5331668.0000	KL	800 mm
Unit [Diff X MF] (C)		KWH		KVAH					
Electricity Charges					Water Charges			CGST	SGST
Total Consumed KWH (C+P) or B or D					Charged Units (KL)			665495.00	
Total Consumed kVAh (C+P) or B or D					Consumed/ Flat Charges (Rs.)			19352594.6	
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)			19352594.6	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
FPPAS 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
<b>TOTAL ELECTRICITY (A)</b>					<b>BILL AMOUNT=(A+B+C)</b>			<b>19352594.6</b>	
<b>Last Payment Detail</b>		Establishment No.	1000000H0573099		Service No.	NP/			
Receipt No.	TATAPOWER-RTGS-		Receipt Date.	31.01.2024	Receipt Amount	-3467246.53			
Cheque No.			Cheque Date		Bank Name				
FPPAS charge @6.31% on Previous month Energy and Demand Charge For any queries 0657-6646000/ 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

Date: 09.04.2024

Head (F & A)

Jojobera Power Plant

Through: Chief O&M

Tata Power, Jamshedpur.

Ref: Payment of clarified water supplied by M/s Jusco for the month of March'2024 ✓

Enclosed please find the Bill as verified by us for the supply of raw water from JUSCO.

Bill No: 3040817469 dated 31.03.2024.

Meter Reading Date	<u>25.02.2024</u>	<u>26.03.2024</u>
Meter Reading in M3	<u>5997163</u>	<u>6761554</u>
Total for the period from <u>25/2/24</u> to <u>26/3/24</u>		<u>764391</u>

Cost of water =Rs. 29.08/- Per M3

Amount: Rs. 2,22,28,490.30/- ✓

(Rupees TWO crore Twenty two Lakhs twenty eight thousand four hundred ninety & thirty paise only).

Due Date: 22/04/2024

Bill received for verification on 09/04/2024

Head- Chemical & Water Treatment

Jojobera Power Plant.

Encl: Original Certified Bill No: 3040817469 dated 31.03.2024.

TAX INVOICE / Bill of Supply

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Original for recipient

		<b>JUSCO</b>		<b>TATA STEEL</b>			
Utility Bill Cum Notice Jamshedpur							
NAME & ADDRESS				BILL DETAILS			
Recipient (BP) No.	0010051793-Consumer No0000341			Bill Type	Periodic Bill	Bill No.	003040817469
Recipient (BP) Name	TATA ELECTRIC CO. .			Payment Due Date (Current Bill)	22.04.2024		
Address	JOJOBERA POWER PLANT , P.O. RAHARGORA,Hol. No. 563 JAMSHEDPUR Rahargora JAMSHEDPUR-831001			No. of Pages	01 of 01		
				Old Balance / SD Req. Amt (Rs.)	0		
				Total of all pages (Rs.)	22228490.28		
Jharkhand GST State Code - 20 Recipient GSTIN -				Previous Outstanding (Rs.)	85934651.38		
Phone No.				TCS Bill Amount	0		
Email Address	harsh.lunia@tatapower.com			<b>GRAND TOTAL (RS.)</b>		108163141.66	
Contracted Demand	0 KW			TSL GSTIN - 20AAACT2803M2Z0			
Bill Date	31.03.2024	Bill Month	Mar	Period of Bill	24.02.2024	To	26.03.2024 S.Hr.
Security Deposit Amount (Elac.)	0			Connection Charges Due (Water)			

METER DETAIL AND CONSUMPTION HISTORY

ELECTRICITY					WATER				
Meter & MR Details		Consumption History			Meter & MR Details		Consumption History		
Rate Category					Rate Category	CLARIFIED INDUSTRIAL			
Meter Serial No.		Month	KWH	KVAH	MD	Meter Sl. No.	78048919000	Month	KL
Meter Card No.						Meter Card No.	78048919000	FEB(O)	665495.00
Multiplying Factor						M.F.	1.0	JAN()	710732.00
Meter Status						Meter Status	CONNECTED	DEC()	831451.00
Reading Status						Reading Status	OK	NOV()	762418.00
Curr. Reading Date						Current Rdg. Dt.	26.03.2024	OCT()	753212.00
Last Reading Date						Last Rdg.Dt.	25.02.2024	SEP()	833243.00
Current Reading		KWH		KVAH		Current Rdg.	6761554.0000	KL	Meter Size (mm)
Last Reading		KWH		KVAH		Last Rdg.	5997163.0000	KL	800 mm
Unit [Diff X MF] (C)		KWH		KVAH					

Electricity Charges		Water Charges		CGST	SGST
Total Consumed KWH (C+P) or B or D		Charged Units (KL)	764391.00		
Total Consumed kVAh (C+P) or B or D		Consumed/ Flat Charges (Rs.)	22228490.28		
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)	22228490.28	0	0
Fixed/Demand Charges (Rs.)		Other Charges			
Voltage Rebate (Rs.)		Non-Taxable Rent (Rs.)	0	-	-
Load Factor Surcharge/Rebate (Rs.)		Taxable Rent (Rs.)	0	0	0
FPPAS 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)	22228490.3		

Last Payment Detail	Establishment No.	1000000H0573099	Service No.	NP/	
Receipt No.	RTGS- 403280462039-	Receipt Date	28.03.2024	Receipt Amount	-45933390.42
Cheque No.		Cheque Date		Bank Name	

FPPAS charge @6.74% on Previous month Energy and Demand Charge For any queries 0657-6646000/ 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;

Bill Certified



Tax Invoice **291**  
**LALIT ADVERTISING**  
 M 2-4, C Block Ashoka Tower,  
 10 Community Centre, Janakpuri  
 New Delhi 110058  
 UDYAM Reg. No. :- UDYAM-DL-11-0008652  
 GSTIN/UIN: 07AAGPJ4145F1ZY  
 State Name : Delhi, Code : 07  
 E-Mail : acc.lalitads@gmail.com

**ANNEXURE P18**  
 (OPTIONAL FOR RECEIVER)  
 e-Invoice  
**ADVERTISEMENT & FILING PROOF**



<b>IRN : b3ae7061b7ff778cfebe48cd99f469b7ce1c9b2098f4e84a20f8a5f2da4e3cc3</b>						
<b>Ack No. : 172414446348431</b>			<b>Ack. Date : 21-Feb-24</b>			
Buyer (Bill to)			Invoice No		Dated	
<b>The Tata Power Company Limited</b>			<b>2023-24/1263</b>		<b>21-Feb-24</b>	
5th Floor, 34, Corporate Centre, B Wing, Carnac Bunder Road, Carnac, Mumbai, Maharashtra - 400009			Deliver Note		Mode/Terms of Payment	
GSTIN/UIN : 27AAACT0054A1Z1					<b>OLA No. 9200021920</b>	
PAN/IT No : AA ACT0054A			Reference No. & Date		Other Reference	
State Name : Maharashtra, Code : 27					<b>Ro No. 15756_Tariff Ad</b>	
Place of Supply : Maharashtra			Buyer's Order No.		Dated	
			<b>8200148652</b>		<b>12-Feb-24</b>	
SI No.	Description of Services	Date of Insertion	Quantity	Rate	per	Amount
1	<b>Hindustan Times</b> (Patna and Ranchi Edition)	13-Feb-24	416.00 Sqcm	100.05	Sqcm	<b>41,620.80</b>
2	<b>Hindustan Hindi</b> (Jharkhand Edition)	13-Feb-24	416.00 Sqcm	413.03	Sqcm	<b>1,71,820.48</b>
3	<b>Statesman</b> (Kolkata Edition)	13-Feb-24	416.00 Sqcm	118.25	Sqcm	<b>49,192.00</b>
4	<b>Prabhat Khabar</b> (All Jharkhand Editions)	13-Feb-24	416.00 Sqcm	720.39	Sqcm	<b>2,99,682.24</b>
5	<b>Hindustan Times</b> (Patna and Ranchi Edition)	14-Feb-24	416.00 Sqcm	100.05	Sqcm	<b>41,620.80</b>
6	<b>Hindustan Hindi</b> (Jharkhand Edition)	14-Feb-24	416.00 Sqcm	413.03	Sqcm	<b>1,71,820.48</b>
7	<b>Statesman</b> (Kolkata Edition)	14-Feb-24	416.00 Sqcm	118.25	Sqcm	<b>49,192.00</b>
8	<b>Prabhat Khabar</b> (All Jharkhand Editions)	14-Feb-24	416.00 Sqcm	720.39	Sqcm	<b>2,99,682.24</b>
						11,24,631.04
<b>IGST Output</b>						<b>56,231.54</b>
<b>Total</b>			<b>3,328.00 Sqcm</b>			<b>₹ 11,80,862.58</b>

Amount Chargeable (in words) E. & O.E

**Indian Rupees Eleven Lakh Eighty Thousand Eight Hundred Sixty Two and Fifty Eight paise Only**

HSN/SAC	Taxable Value	Integrated Tax		Total Tax Amount
		Rate	Amount	
998363	11,24,631.04	5%	56,231.54	56,231.54
<b>Total</b>	<b>11,24,631.04</b>		<b>56,231.54</b>	<b>56,231.54</b>

Tax Amount (in words) : **Indian Rupees Fifty Six Thousand Two Hundred Thirty One and Fifty Four paise Only**

**Terms & Condition**

- Payment to be made by NEFT/RTGS/Crossed Cheque /Demand Draft in favour of LALIT ADVERTISING. Payable at New Delhi
- Interest @24% P. A. will be charged in case payment is not made before due date.
- Cheque bouncing charges of Rs. 5,000.00 plus applicable GST will be claimed by agency
- Any dispute in respect of this invoice should be reported with in 10 days of receipt of invoice, falling which invoice will be deemed to have been accepted for payment .
- Any dispute regarding the business conducted will be subjected to Delhi Courts Jurisdiction Only

Company's Bank Details  
 A/c Holder's Name: **LALIT ADVERTISING**  
 Bank Name : **Bank of India**  
 A/c No. : **602330110000010**  
 Branch & IFS Code: **JANAKPURI & BKID0006033**



HO :- Delhi, Branches :- Mumbai, Kolkata, Chandigarh, Dehradun, Hyderabad, Lucknow, Pune, Bangalore, Chennai, Janakpuri, New Delhi

SUBJECT TO DELHI JURISDICTION

This is a Computer Generated Invoice

## PURCHASE ORDER

VENDOR DETAILS	ORDER DETAILS
Vendor Code :180005749 LALIT ADVERTISING 2ND FLOOR, C-59, C-BLOCK NEW DELHI: 110058,India Attn : . Tel : 25623460 E-mail : Vendor GST Reg. No.:07AAGPJ4145F1ZY Vendor PAN No. : AAGPJ4145F	Purchase Order Ref :8200148652 Date : 12.02.2024 Currency : INR Company Representative : Niraj Kumar Singh E-mail : Our Reference No : CC23FK027 Vendor's Quote reference : Incoterms :NA OLA Reference No :- 9200021920 Comp. GST Reg. No.: 20AAACT0054A2ZE

The brief scope of work includes printing of advertisement in national & domestic newspaper and radio advertisements as and when required basis. The contract shall be for two years. Detailed scope of work shall be as per the scope of work document as attached Scope of Work.

The Purchase Order constitutes Purchaser's offer to Vendor upon the terms and conditions stated herein and shall become a binding Contract, when it is accepted either by Vendor's acknowledgement or performance. The purchase order expressly limits acceptance to the terms and conditions stated herein. Any additional or different terms or conditions proposed by Vendor are objected to and hereby rejected, including without limitation, Vendor's quotation or acknowledgement forms. Any reference in the Purchase Order to Vendor's quotation or proposal does not imply acceptance of any terms or conditions in that quotation or proposal. It is important that Vendor signs and returns the Purchase Order copy within (3) days of receipt. Failure to return the acceptance does not diminish the responsibilities as set forth herein, but may result in delay to any payment that may be due to and may be a cause of termination of this Purchase Order.

**TOTAL ORDER VALUE (Exclusive of all taxes, levies and duties) : INR 1,124,631.00**

**In words: ( Rupees Eleven lakh twenty four thousand six hundred thirty one only )**

Authorized Signatory :	<b>DS THE TATA POWER COMPANY LIMITED 1</b> Digitally signed by DS THE TATA POWER COMPANY LIMITED 1 DN: cn=DS THE TATA POWER COMPANY LIMITED 1, c=IN, st=Maharashtra, o=THE TATA POWER COMPANY LIMITED, ou=Corporate Contracts, serialNumber= cbff8d57950e3fbde70837505bdfc74ceb4 1c277f4669c923a27ff870cd6db09 Reason: I attest to the accuracy and integrity of this document Date: 2024.02.12 13:08:05 +05'30'	<b>VENDOR'S ACCEPTANCE</b> Signature: _____ Name: _____
Approver : Jagmit Singh Sidhu	Approver Designation : CEO-IEL & Chief-Jamshedpu	

This is a computer generated document and does not require a signature.

### PRICE SCHEDULE

Item No.	HSN/SAC Code	Item Code	Material/Description	Qty	UOM	Unit Price	Amount
10	998363		Ads For Jojobera Tariff review & operati	1.000	AU		
			This above item includes the following services				
10.30		4123927	JHAR/AD,NEWSPPR Prabhat Khabar for TARIFF	832.000	CM2	720.39000	599364.48
			IN: Integrated GST - 5 %				
20	998363		Ads seeking Objection/ Comments on Tariff	1.000	AU		
			This above item includes the following services				
20.20		4123928	JHAR/AD,NEWSPPR Hindustan for TARIFF	832.000	CM2	413.03000	343640.96
20.10		4085645	JHAR/AD,NEWSPPR HINDTIMES FOR TARIFF	832.000	CM2	100.05000	83241.6
20.30		4176711	THE STATESMAN (ENGLISH NEWS PAPER)-AD SE	832.000	CM2	118.25000	98384
			IN: Integrated GST - 5 %				
<b>Total Order Value (INR) ( Exclusive of all taxes, levies and duties )</b>							<b>1,124,631.00</b>

**Total Order Value: Rupees Eleven lakh twenty four thousand six hundred thirty one only (Exclusive of all taxes, levies and duties).**

### COMMERCIAL CONDITIONS

**1. Scope :**

The brief scope of work includes printing of advertisement in national & domestic newspaper and radio advertisements an as and when required basis. The contract shall be for two years. Detailed scope of work shall be as per the scope of work document as attached Scope of Work.

**2. Price Basis and Shipping Terms :**

FOT/CFR/FOR:

**3. Payment Terms :**

45 days From GR date w/o Retention

Payment Terms shall be as follows:

1. Payment shall be made as per actual published advertisements after considering deductions for LDs for shortfall in

<b>CHANGE TO ORDER DETAILS</b>
<b>ORDER</b>

Payment Terms shall be as follows:

1. Payment shall be made as per actual published advertisements after considering deductions for LDs for shortfall in performance as per LD clause.

**4. Taxes and Duties :**

GST shall be payable extra as applicable at the time of invoicing - current rate being @ 5% for newspaper advertisement and @ 18% for Radio advertisement.

**5. Delivery Schedule :**

Print Media Advertisement Handling Services for a period of two years from 21st December 2023 to 20th December 2025

**6. Anti Profiteering Clause :**

Notwithstanding anything contained in the Contract, in the event of introduction of any new legislation or any change or amendment or enforcement of any Act or Law, or any change in the interpretation by the Supreme Court of India of any said Act or law, rules or regulations of Government of India or State Government(s) or Public Body which becomes effective after the bid date to the completion of work including defect liability period, if any, which results in any decrease in the cost of the works through reduced liability of taxes & duties, increase in the input tax credits, the Supplier shall pass on the benefits of such reduced cost, taxes or duties to the extent which is directly attributable to such Introduction of new legislation or change or amendment as mentioned above as per Anti-profiteering Rules, 2017, hereby, "Tax" or "tax" shall include taxes, duties, levies, cess and similar imposts by whatever name called whether in the nature of Indirect Tax or direct taxes and whether or not imposed by the Central government, state government, local or municipal authority or any other statutory body

**7. Order Manager and Place of Delivery :**

This order shall be managed by The Tata Power Co. Ltd..You are requested to contact him/her for further queries related to execution.

The deliveries shall be accepted between 10.00 am to 05.00 pm on working weekdays. Except weekly off,National and Bank Holidays.

**Kindly Delivery to / Bill To Address :**

Address: Jojobera Generation Plant,THE TATA POWER COMPANY LIMITED,JOJOBERA POWER PLANT,831016,RAHARGORAH JAMSHEDPUR.

Contact Details:

**8. Contract Performance Bank Guarantee :**

Contractor has agreed to submit within 15 days of the Effective Date an unconditional and irrevocable Bank Guarantee payable on demand towards Contract performance & security strictly for a sum equivalent to 10% of the annual value of Contract as per the prescribed format of Owner valid till the expiry of the Contract and having a claim period of 6 months beyond the expiry date. An amount equivalent to CPBG shall be retained from Contractors bills payables till such time CPBG is submitted by Contractor.

**9. LD Clause :**

Liquidated Damages Clause:

Payment deduction due to non-performance & non-compliance:  
Payment shall not be given to agency for following instances:

<b>CHANGE TO ORDER DETAILS</b>
<b>ORDER</b>

Liquidated Damages Clause:

Payment deduction due to non-performance & non-compliance:  
Payment shall not be given to agency for following instances:

- 1) if the advertisement is published in unapproved publication
- 2) if the advertisement is published with unapproved content

**10. Order of Precedence :**

In the event of conflict between the provision of this order along with its attachments and annexure, the following order of precedence shall apply so that the conflicting provision(s) in the document lower in the order of precedence set out below shall give way to the conflicting provision(s) in the document higher in the order of precedence, namely:

1. Purchase Order (with 'Commercial Conditions')
2. Special Terms and conditions.
3. General Terms & Conditions
4. Technical Specification

**11. Modifications to the General Conditions of Contract :**

(1) Price Basis: This shall be a unit rate contract covering the complete scope of work and the performance SLA/LD as stated in the tender terms. The Unit Rate shall be in Indian Rupees only as per the Price Schedule. The unit rates shall remain fixed during the tenancy of the Contract i.e. two years period.

All other terms & conditions shall be as per the attached General Terms & Conditions - Services, which are an integral part of this work order.

The following documents shall form a part of this Outline Agreement:

- a) General Terms and Conditions (GCC) - Services

**12. Annexure**

Line Item	HSN/SAC Code	Material Code	Short Description	Long Description	Quantity	UOM	Del. Date
00010	998363		Ads For Jojobera Tariff review & operati		1	AU	12.02.2024
10.30		4123927	JHAR/AD,NEWSPPR Prabhat Khabar for TARIF	SERVICE TYPE: SERVICING FOR DISPLAY OF ADVERTISEMENTS IN PRABHAT KHABAR IN HINDI NEWSPAPER IN JHARKHAND FOR RELEASING Summary of Operational and financial parameters of Jojobera Unit 2 and Unit 3 and seeking Objection/Comments on Tariff Petition as per JSERC	832	CM2	12.02.2024
00020	998363		Ads seeking Objection/ Comments on Tariff		1	AU	12.02.2024

<b>CHANGE TO ORDER DETAILS</b>
<b>ORDER</b>

Line Item	HSN/SAC Code	Material Code	Short Description	Long Description	Quantity	UOM	Del. Date
20.20		4123928	JHAR/AD,NEWSPPR Hindustan for TARIF	SERVICE TYPE: SERVICING FOR DISPLAY OF ADVERTISEMENTS IN HINDUSTAN IN HINDI NEWSPAPER IN JHARKHAND FOR RELEASING Summary of Operational and financial parameters of Jojobera Unit 2 and Unit 3 and seeking Objection/Comments on Tariff Petition as per JSERC	832	CM2	12.02.2024
20.10		4085645	JHAR/AD,NEWSPPR HINDTIMES FOR TARIFF		832	CM2	12.02.2024
20.30		4176711	THE STATESMAN (ENGLISH NEWS PAPER)-AD SE	THE STATESMAN (ENGLISH NEWS PAPER)-AD SEEKING OBJECTION/COMMENTS ON TARIFF PETITION-WEST BENGAL (KOLKATA +SILIGURI) / ENGLISH / MEDIUM SIZE/ YEARLY	832	CM2	12.02.2024

30<sup>th</sup> November, 2023

The Secretary,  
Jharkhand State Electricity Regulatory  
Commission New Police Line Road, Opposite to  
CM House, Kanke Road, Ranchi- 834008

Subject: Regarding Filing of Petition for True-up FY 2022-23 & Annual Performance Review FY 2023- 24

Sir,

It is humbly submitted that Tata Power is filing the Petition for True Up FY 2022-23 and 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 Sections of the Electricity Act 2003 for kind perusal and consideration of the Hon'ble Commission.

With regard to Filing fees, it is submitted that in terms of fees schedule, fees of Rs.1420000/- (fourteen lakh twenty thousand) has been remitted through NEFT ("National Electronic Funds Transfer") to JSERC's Account No SB 6605256546. Details of the fees paid are as follows.

Unique Transaction Reference ("UTR No."): N334232759565111  
Date of Remittance: 30.11.2023  
Amount Remitted: Rs 1420000/-  
Bank Details from which payment has been made HDFC bank, Mumbai

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 to initiate proceedings on the same.

Thanking you,  
Yours Sincerely,

Sarika Jerath  
Lead Associate - Legal  
The Tata Power Company Ltd.

**TATA POWER**

The Tata Power Company Limited  
"Shatabdi Bhawan", B-12 & 13, Sector-4 Noida 201 301 (U.P.)  
Tel: 91 120 610 2000  
Registered Office Bombay House 24 Homi Mody Street Mumbai 400 001  
Website : www.tatapower.com Email : tatapower@tatapower.com  
CIN : L28920MH1919PLC000567

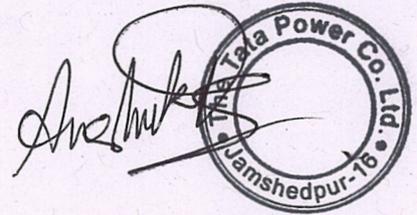


**Non-Tariff Income for FY 2024 (For Unit 2 and Unit 3)**

Particulars	Unit 2 (₹)	Unit 3 (₹)
30900601 OR-Sale of Fly Ash	8478343	8125459
OR-Sale of Scrap	7966364	7966364
OR-Miscellaneous Revenue	73325	73325
OR-Liquidated Damages	654648	654648
OR-Liabilities Written Back	-	-
OR-Rental Income from Staff Quarters	307885	307885
<b>Total</b>	<b>17480565</b>	<b>17127681</b>

**Other Income**

Particulars	Unit2	Unit3
OI-Interest Income from Employee Loans	15787	15787
INDAS-OR-Profit on Sale/Reti of Assets		2941
<b>Total</b>	<b>15787</b>	<b>18728</b>



**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 P20a****Reconciliation of Billing Summary with the Revenue**

Rs Cr

<b>Sr No.</b>	<b>Particulars</b>	<b>UNIT 2</b>	<b>UNIT 3</b>	<b>TOTAL</b>
1	Monthly Billed Amount (Billing Summary)	344.38	330.30	674.68
2	(+) Recovered/(Refunded) Amount as per MYT Order (Billing Summary)	13.77	6.46	20.23
3	<b>Total Amount Billed (Billing Summary)</b>	<b>358.15</b>	<b>336.76</b>	<b>694.91</b>
4	(+) Regulatory Entries	27.09	35.24	62.33
5	(+) Rebate on Prompt payment discount	-6.50	-6.37	-12.87
6	(+) Ind AS Adjustment	-15.52	-16.62	-32.14
7	<b>Net Income Other than Other Operating Income</b>	<b>363.21</b>	<b>349.01</b>	<b>712.22</b>
8	Less: Finance Lease Income	22.98	27.01	49.99
9	<b>Operation Management Services- Assets Under Lease</b>	<b>340.23</b>	<b>322.00</b>	<b>662.23</b>

**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 September 11, 2024 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 March 31, 2024.
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, 2024, 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, 2024 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, 2024 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, 2024.
6. We have audited the standalone financial statements of the Company for the year ended March 31, 2024, on which we have issued an unmodified opinion vide our report dated May 8, 2024. 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, 2024 including billing raised due to True-up order and Tariff order.
  - 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, 2024.

#### Restriction on Use

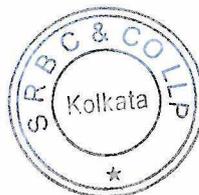
11. This report is addressed to and provided to the Board of Directors of the Company solely for the purpose mentioned in paragraph 2 above and should not be used by any other person or for any other purpose. Accordingly, we do not accept or assume any liability or any duty of care for any other purpose 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: 24055833BKFQXA5763  
 Membership Number: 055833



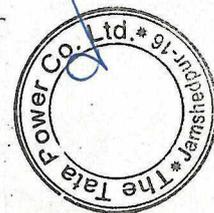
Place of Signature: Kolkata

Date: September 18, 2024

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, 2024

Particulars	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
<b>Unit 2</b>													
Fixed Charges	8,88,25,000	8,88,25,000	8,88,25,000	8,88,25,000	8,88,25,000	8,88,25,000	8,88,25,000	8,88,25,000	8,88,25,000	9,05,50,000	9,05,50,000	9,05,50,000	1,07,10,75,000
Energy Charges	20,25,66,844	19,83,44,249	20,95,18,936	20,75,00,498	21,58,50,343	19,08,89,325	15,47,25,768	16,42,95,499	20,76,14,143	13,28,04,574	15,57,73,365	16,26,07,767	2,20,24,91,311
Incentive	51,06,575	25,80,848	68,14,345	48,30,065	68,81,190	22,38,012	(81,33,958)	(48,86,993)	39,92,911	(1,38,87,205)	(54,52,168)	(83,62,2)	-
Fuel Price Adjustment - Coal	4,96,62,145	3,21,25,156	4,34,85,986	1,23,09,892	(87,58,606)	(91,64,488)	2,32,15,640	21,80,018	2,49,58,715	73,42,998	1,54,41,010	20,06,931	19,48,05,397
Fuel Price Adjustment - Oil	12,79,385	12,47,346	13,17,622	12,82,587	13,15,972	12,38,137	11,43,104	12,20,510	15,42,202	9,24,143	10,66,760	10,93,297	1,46,71,065
Discount	(22,98,134)	(29,85,405)	(40,79,295)	(45,51,381)	(40,82,081)	(31,45,763)	(25,76,612)	(30,36,929)	(46,80,593)	(29,02,699)	(26,92,330)	(21,78,730)	(3,92,09,952)
Other Adjustments	-	-	-	-	-	-	-	-	-	(15,098)	-	-	(15,098)
<b>Sub-total Unit 2</b>	<b>34,51,41,815</b>	<b>32,01,37,194</b>	<b>34,58,82,594</b>	<b>31,01,96,661</b>	<b>30,00,31,818</b>	<b>27,08,80,223</b>	<b>25,71,98,942</b>	<b>24,85,97,105</b>	<b>32,22,52,378</b>	<b>21,48,16,713</b>	<b>25,46,86,637</b>	<b>25,39,95,643</b>	<b>3,44,38,17,723</b>
Recovery of FY 2019-20	-	-	-	-	-	-	-	-	-	3,45,158	3,45,158	-	10,35,475
Recovery of FY 2020-21	-	33,33,333	33,33,333	33,33,333	33,33,333	33,33,333	33,33,333	-	-	-	-	-	1,99,99,998
Recovery of FY 2021-22	-	-	-	-	-	-	-	-	-	67,30,752	67,30,752	67,30,752	2,01,92,257
Recovery of FY 2022-23	-	-	-	-	-	-	-	-	-	1,65,13,749	1,65,13,749	1,65,13,749	4,95,41,246
Recovery of FY 2023-24	-	-	-	-	-	-	-	-	-	1,56,29,046	1,56,29,046	1,56,29,046	4,68,87,137
<b>Net Total</b>	<b>34,51,41,815</b>	<b>32,34,70,527</b>	<b>34,92,15,927</b>	<b>31,35,29,994</b>	<b>30,33,65,151</b>	<b>27,42,13,556</b>	<b>26,05,32,275</b>	<b>24,85,97,105</b>	<b>32,22,52,378</b>	<b>25,40,35,418</b>	<b>29,39,05,342</b>	<b>29,32,14,348</b>	<b>3,58,14,73,836</b>

Particulars	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
<b>Unit 3</b>													
Fixed Charges	8,68,83,333	8,68,83,333	8,68,83,333	8,68,83,333	8,68,83,333	8,68,83,333	8,68,83,333	8,68,83,333	8,68,83,333	8,88,83,333	8,88,83,333	8,88,83,333	1,04,85,99,996
Energy Charges	21,80,85,752	20,59,91,206	19,98,99,429	19,43,63,890	19,99,57,324	19,35,50,687	19,62,71,986	18,43,67,027	73,50,733	19,74,80,856	17,68,84,908	17,53,37,750	2,14,95,41,548
Incentive	75,37,245	31,54,403	31,85,012	3,71,829	17,10,413	16,65,672	8,28,462	(13,89,560)	(1,70,63,476)	-	-	-	-
Fuel Price Adjustment - Coal	4,96,88,081	4,60,36,313	2,61,15,197	(10,12,600)	(3,14,45,118)	(1,42,40,015)	2,68,15,947	(43,32,189)	9,70,771	1,52,50,086	1,49,92,573	(38,40,181)	12,49,98,865
Fuel Price Adjustment - Oil	13,41,970	12,62,116	12,24,791	11,70,488	11,87,724	12,23,106	14,12,732	13,29,270	52,994	13,33,726	11,75,656	11,44,166	1,38,58,739
Discount	(19,27,257)	(26,40,320)	(30,50,903)	(45,22,123)	(39,36,288)	(30,70,341)	(30,74,442)	(29,68,388)	(1,32,368)	(36,28,060)	(26,73,664)	(23,33,461)	(3,39,77,615)
Other Adjustments	-	-	-	-	-	-	-	-	-	(635)	-	-	(635)
<b>Sub-total Unit 3</b>	<b>36,16,09,124</b>	<b>34,06,87,051</b>	<b>31,42,56,859</b>	<b>27,72,54,817</b>	<b>25,43,57,388</b>	<b>26,60,12,442</b>	<b>30,91,38,018</b>	<b>26,38,89,493</b>	<b>7,80,41,987</b>	<b>29,93,19,306</b>	<b>27,92,62,806</b>	<b>25,91,91,607</b>	<b>3,30,30,20,898</b>
Recovery of FY 2019-20	-	-	-	-	-	-	-	-	-	5,42,392	5,42,392	5,42,392	16,27,175
Recovery of FY 2020-21	-	(82,50,000)	(82,50,000)	(82,50,000)	(82,50,000)	(82,50,000)	(82,50,000)	-	-	-	-	-	(4,95,00,000)
Recovery of FY 2021-22	-	-	-	-	-	-	-	-	-	20,30,669	20,30,669	20,30,669	60,92,006
Recovery of FY 2022-23	-	-	-	-	-	-	-	-	-	1,84,77,245	1,84,77,245	1,84,77,245	5,54,31,735
Recovery of FY 2023-24	-	-	-	-	-	-	-	-	-	1,69,82,476	1,69,82,476	1,69,82,476	5,09,47,429
<b>Net Total</b>	<b>36,16,09,124</b>	<b>33,24,37,051</b>	<b>30,60,06,859</b>	<b>26,90,04,817</b>	<b>24,61,07,388</b>	<b>25,77,62,442</b>	<b>30,08,88,018</b>	<b>26,38,89,493</b>	<b>7,80,41,987</b>	<b>33,73,52,088</b>	<b>31,72,95,588</b>	<b>29,72,24,589</b>	<b>3,36,76,19,243</b>



**TATA POWER**

The Tata Power Company Limited  
Jojobera Power Plant, Jamshedpur - 831016  
Tel 91 657 2276879, 6511543

Registered Office Bombay House 24 Homi Moddy Street Mumbai 400 001

**Rs**

Bill Summary for Unit 2 & 3 for FY 2023-24		
Particulars	Unit 2	Unit 3
Fixed Charges	1,07,10,75,000	1,04,85,99,996
Energy Charges	2,20,24,91,311	2,14,95,41,548
Incentive	-	-
Fuel Price Adjustment	20,94,76,462	13,88,57,604
Discount	(3,92,09,952)	(3,39,77,615)
Adjustment	(15,098)	(635)
<b>Billed Amount</b>	<b>3,44,38,17,723</b>	<b>3,30,30,20,898</b>
Recovered/(Refunded) Amount (Refer Note 4 and 5 below)	13,76,56,113	6,45,98,345
<b>Total Billed Amount</b>	<b>3,58,14,73,836</b>	<b>3,36,76,19,243</b>

**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/(Refund) of 2020-21" represents the amount recovered/payable for FY 2020-21 pursuant to true up order for 2020-21 dated May 22,2023.
- 5 The "Recovery of FY 2019-20 , FY 2021-22 , FY 2022-23 & FY 2023-24" represents recovery for FY 2019-20 , FY 2021-22 , FY 2022-23 & FY 2023-24 commencing from the month of

For and on behalf of The Tata Power Company Limited



Jagmit Singh Sidhu  
Chief- Jamshedpur Operations  
Place : Jojobera, Jamshedpur, 831016  
Date : 13.09.2024

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**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

01.09.2024

JPP/5B/2024

To,

Tata Steel Limited,  
Jamshedpur - 831001

Ref: JSERC (Terms and Conditions for Determination of Generation Tariff) Regulations, 2020 read with JSERC (Generation Tariff 1st Amendment) Regulations, 2023

**Subject: Sharing of the gain on account of variations in Operational Norms for FY 2023-24**

Dear Sir,

The gains arising due to variation in norms as per Regulation 6.14 read with 1<sup>st</sup> Amendment to Tariff Regulations for FY 2023-24 is being shared with Tata Steel Ltd. The summary of the gains being shared is presented below:

(Cr. Rs)

Particulars	Unit-2	Unit-3
Gain/(Loss) on Operational Parameters	6,80,69,257	7,49,44,308
Gain to be retained by Petitioner (75%)	5,10,51,943	5,62,08,231
Gain to be shared with TSL by Petitioner (25%)	1,70,17,314	1,87,36,077
<b>Total gain to be shared with TSL in respect of Unit-2 and Unit-3</b>	<b>3,57,53,391</b>	

The detailed computation is attached herewith as **Annexure-1**.

We trust the same is in order.

Thanking You,

Yours Faithfully,



(Jagmit Singh Sidhu)

CEO - IEL & Chief -Jamshedpur Operations

**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-1**

Operational Gains for FY 2023-24 as per GTR 2020 (Read with 1st amendment)					
Particulars	UoM	Unit 2		Unit 3	
		Normative	Actual	Normative	Actual
Heat Rate	kCal/kWh	2567.00	2539.37	2577.00	2538.13
Auxiliary Power	%	0.10	0.09	0.10	0.09
Sp. LDO Consumption	ml/Kwh	0.50	0.37	0.50	0.37
Equivalent GCV of Coal (CVPF) less 85 kCal/kg	Kcal/Kg	3641.93	3641.93	3618.09	3618.09
Equivalent Landed Price of Coal (LPPF)	Rs/Ton	3917.72	3917.72	3886.55	3886.55
Equivalent GCV of LDO (CVPF)	kCal/L	8916.67	8916.67	8917.60	8917.60
Equivalent Landed Price of LDO (LPPF)	Rs/KL	78439.77	78439.77	80156.92	80156.92
Energy Charge Rate (ECR)	Rs/kWh	3.11	3.02	3.12	3.02
ECR <sub>N</sub> - ECR <sub>A</sub>			0.08		0.10
Ex-Bus Generation	MU		801.61		761.78
<b>Gain/(Loss) on Operational Parameters</b>	<b>Rs. Crore</b>		<b>6.81</b>		<b>7.49</b>
<b>Gain to be retained by Petitioner (75%)</b>	<b>Rs. Crore</b>		<b>5.11</b>		<b>5.62</b>
<b>Gain to be shared with beneficiaries by Petitioner (25%)</b>	<b>Rs. Crore</b>		<b>1.70</b>		<b>1.87</b>



01.07.2024  
JPP/3B/2024

To,

Tata Steel Limited,  
Jamshedpur - 831001

**Ref:** JSERC's Order dated 06.06.2024 in Case (Tariff) No. 11 of 2023.

**Subject:** Amount payable to TSL as per above Order pertaining to Jojobera Unit 2 and Unit 3.

Dear Sir,

The Hon'ble Commission in the above order against Case No. 11 of 2023 has approved the tried up ARR for FY 2022-23 and revised the AFC for FY 2023-24 as per the APR for FY 2023-24 (Copy of the Order is attached as **Annexure-1**). In terms of the above order, the net amount payable works out as per the table below:

Amount payable to TSL as per Orders dated 06.06.2024				
Particulars	UoM	Unit 2	Unit 3	Total
FY 2022-23	Rs Cr.	-8.44	-6.02	-14.46
FY 2023-24	Rs Cr.	0.41	0.98	1.39
<b>Total amount payable</b>	<b>Rs Cr.</b>	<b>-8.03</b>	<b>-5.04</b>	<b>-13.07</b>

For FY 2022-23, the revenue gap/ (surplus) approved has been further adjusted with the amount recovered/ being recovered in terms of the supplementary bill dated 01.02.2024, along with the carrying cost upto May 2024. For FY 2023-24, the differential amount arising due to revision in fixed charges, is also being charged through present bill. The detailed computations have been provided in **Annexure-2** and **Annexure-3** for reference.

The above bill amount is subject to change upon any order/ judgement of higher authority/court in future.

We trust the same is in order.

Thanking You,

Yours Faithfully,

(Jagmit Singh Sidhu)

CEO - IEL & Chief -Jamshedpur Operations

**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**

**ANNEXURE-2**

Revenue Gap/(surplus) for 2022-23						
S.No	Particulars	Index	Unit 2 (In Rs. Cr)	Unit 3 (In Rs. Cr)	Total (In Rs. Cr)	Reference
1	Net Gap/(Surplus)	a	1.37	4.41	5.78	Table No. 61 of the Order dated 06.06.24
2	Revenue recovered/ recovering in terms of supplementary bill dated 1.2.24	b	9.91	11.09	21.00	Supplimentary bill dated 01.02.2024
3	Net Gap/ (Surplus)	c=a-b	-8.54	-6.68	-15.22	
4	Carrying cost on Gap/(Surplus)	d	0.10	0.66	0.76	<b>Annexure-3</b>
5	Net Gap/ (Surplus) with carrying cost	e=c+d	-8.44	-6.02	-14.46	
<b>Differential for 2023-24</b>						
6	AFC approved in APR	f	109.07	107.64	216.71	Table 109 of the Order dtd 06.06.2024
7	AFC approved in Review Order	g	108.66	106.66	215.32	Revised Table 138 & 139 of the Order dtd 09.01.2024 in Case No. 18 of 2022
8	Gap/ (Surplus) in AFC	h=f-g	0.41	0.98	1.39	
9	<b>Total Gap/ (Surplus)</b>	i=e+h	<b>-8.03</b>	<b>-5.04</b>	<b>-13.07</b>	

**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-3**

Carrying cost on Revenue GaP/(Surplus) of FY 2022-23 for Unit 2 (Rs. Crore)				Total
Unit 2	FY 2022-23	FY 2023-24	FY 2024-25*	
Opening Gap		1.37	-1.93	
Addition during FY	1.37	0.00	0.00	
Adjustment during FY	0.00	-3.30	-6.61	
Closing	1.37	-1.93	-8.54	-8.54
Interest Rate	10.50%	12.00%	12.15%	
Carrying cost	0.07	0.11	-0.09	0.10

Carrying cost on Revenue GaP/(Surplus) of FY 2022-23 for Unit 3 (Rs. Crore)				Total
Unit 3	FY 2022-23	FY 2023-24	FY 2024-25*	
Opening Gap		4.41	0.71	
Addition during FY	4.41	0.00	0.00	
Adjustment during FY	0.00	-3.70	-7.39	
Closing	4.41	0.71	-6.68	-6.68
Interest Rate	10.50%	12.00%	12.15%	
Carrying cost	0.23	0.47	-0.04	0.66

\* Carrying cost upto May 24.



01.02.2024  
JPP/10A/2024

To,

Tata Steel Limited,  
Jamshedpur - 831001

Ref:

- i. JSERC's Orders dated 09.1.2024 in Case (Tariff) No. 18 of 2022 and Case No. 18 of 2022.
- ii. JSERC (Terms and Conditions for Determination of Generation Tariff) (First Amendment) Regulations, 2023 [JSERC (Generation Tariff 1<sup>st</sup> Amendment) Regulations, 2023]

Dear Sir,

**Subject: Amount payable by TSL as per above Orders pertaining to Jojobera Unit 2 and Unit 3 and JSERC (Generation Tariff 1st Amendment) Regulations, 2023.**

The Hon'ble Commission in the above order against Case No. 18 of 2022 has approved the Revised ARR for FY 2019-20 and for MYT Control Period FY 2022-26 (Copy of the Order is attached as **Annexure-1**). Further, the Hon'ble Commission in its Order in Case (Tariff) No. 18 of 2022, while dealing with True-up of FY 2021-22 and APR for FY 2022-23, approved the Revenue Gap/(Surplus) for FY 2021-22 and Revised the ARR for FY 2022-23 duly taking into account the Order in Case No. 18 of 2022 for these years and JSERC (Generation Tariff 1<sup>st</sup> Amendment) Regulations, 2023 (Copy of the Order is attached as **Annexure-2**).

The Hon'ble Commission, further, in Paras 5.118 & 5.119 with respect to FY 2021-22 has directed Tata Power to adjust gap/(surplus) duly taking into account other adjustments, if any, between Tata Power and its beneficiary in terms of Regulation 7.4 of JSERC Generation Tariff Regulations, 2020.

Further, differential AFC for 2022-23 & 2023-24 (up to Dec-23) arising due to revised fixed charges approved in above Orders compared to billed and differential energy charges arising on account of revised operational norms as per 1<sup>st</sup> Amendment for these years is also being recovered through present bill.

In addition to above, gains arising due to variation in norms as per Regulation 6.14 read with 1<sup>st</sup> Amendment to Tariff Regulations is also being shared in the present bill.

The above computations have been provided in **Annexure-3** for reference and the summary of the amount payable by Tata Steel Ltd -Distribution Licensee for the above period for Unit 2 and Unit 3 is presented in the table below:

**TATA POWER**

The Tata Power Company Limited  
Jojobera Power Plant, Jamshedpur - 831016  
Tel 91 657 2276879, 6511543

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Amount payable by TSL as per Orders dated 9.01.2024 and 1st Amendment to Generation Tariff Regulations, 2020				
Particulars	UoM	Unit 2	Unit 3	Total
FY 2019-20	Rs Cr.	0.21	0.33	0.53
FY 2021-22	Rs Cr.	4.04	1.22	5.26
FY 2022-23	Rs Cr.	9.91	11.09	20.99
FY 2023-24 (Upto Dec-23)	Rs Cr.	9.38	10.19	19.57
Total	Rs Cr.	23.53	22.82	46.35
Total Recoverable	Rs	235312229	228196689	463508918

Further, pending the clarification on the methodology of computation of carrying cost including carrying cost on six instalments till actual date of payment of such instalments, the above bill amount is subject to change upon any order/judgement of higher authority/court in future.

We trust the same is in order.

Thanking You,

Yours Faithfully,

(Jagmit Singh Sidhu)  
CEO - IEL & Chief -Jamshedpur Operations

**TATA POWER**

The Tata Power Company Limited  
Jojobera Power Plant, Jamshedpur - 831016  
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Unit 3	UoM	Apr-25	May-24	Jun-24	Jul-24	Aug-24	Sep-24	Oct-24	Nov-24	Dec-24	Jan-25	Feb-25	Mar-25	FY 25	Mix
ECL Shakti Coal Cons.	Ton	0	7112	213	4800	5089	1803	3772	3668	1202	6180	3570	4902	42312	6.90%
ECL Shakti GCV	Kcal/Kg	0	4719	4382	4657	4830	4633	4721	4721	4721	4721	4721	4721	4721	
ECL Shakti L.P.	Rs/MT	0	4561	5781	5751	5962	5701	5358	5358	5358	5358	5358	5358	5358	
CCL SFA Cons.	Ton	0	1266	774	1628	0	0	0	0	0	0	0	0	3668	0.60%
CCL SFA GCV	Kcal/Kg	0	4453	4440	4440	0	0	4444	4444	4444	4444	4444	4444	4444	
CCL SFA L.P.	Rs/MT	0	6162	6162	5838	0	0	6018	6018	6018	6018	6018	6018	6018	
WB Reject Coal Cons.	Ton	0	0	0	0	0	0	0	0	0	0	0	0	0	0.00%
WB Reject Coal GCV	Kcal/Kg	0	0	0	0	0	0	0	0	0	0	0	0	0	
WB Reject Coal L.P.	Rs/MT	0	0	0	0	0	0	0	0	0	0	0	0	0	
WB 2P/Tailing Coal Cons.	Ton	1503	0	0	0	0	0	0	0	0	0	0	0	1503	0.25%
WB 2P/Tailing Coal GCV	Kcal/Kg	4322	0	0	0	0	0	4322	4322	4322	4322	4322	4322	4322	
WB 2P/Tailing Coal L.P.	Rs/MT	5878	0	0	0	0	0	5878	5878	5878	5878	5878	5878	5878	
Total Cons.	Ton	43548	46416	44882	44881	48564	49675	54738	54396	59417	58331	53906	54141	61289 5	100%
Wt. Avg GCV	Kcal/Kg	4045	4281	4399	4435	3801	3728	3847	3882	3866	3897	3848	3832	3973	
Wt. Avg Price	Rs/MT	4003	4668	4974	5039	4073	3864	4008	4059	4024	4086	4013	3982	4209	
Wt. Avg Price of Coal	Rs/MkCal	989	1090	1131	1136	1071	1036	1042	1046	1041	1049	1043	1039	1060	



## ANNEXURE P23: PLF Projections confirmed by beneficiary

**From:** Charan Das <[charan.das@tatasteel.com](mailto:charan.das@tatasteel.com)>  
**Sent:** Monday, October 7, 2024 12:56 PM  
**To:** Bose Abhishek <[bosea@tatapower.com](mailto:bosea@tatapower.com)>  
**Cc:** Shoeb Ahmad <[shoeb.ahmad@tatasteel.com](mailto:shoeb.ahmad@tatasteel.com)>; Kundu Srijata <[srijitakundu@tatapower.com](mailto:srijitakundu@tatapower.com)>; Pradeep Kumar <[prakumar@tatasteel.com](mailto:prakumar@tatasteel.com)>; Uday Pratap Singh <[udayp.singh@tatasteel.com](mailto:udayp.singh@tatasteel.com)>; ELECTRICAL TRANSMISSIONDISTRIBUTION <[electrical.td@tatasteel.com](mailto:electrical.td@tatasteel.com)>  
**Subject:** RE: Required : Coal Plan consumption in FY 25

[EXTERNAL sender, Exercise caution..!]

Dear Sir,  
 As discussed, Please find the H2 PLF projection for TPCL Unit#2 & #3 as below –

	U2 PLF %	U3 PLF %
<i>Oct-24</i>	83.33	91.67
<i>Nov-24</i>	83.33	95.00
<i>Dec-24</i>	0.00	100.00
<i>Jan-25</i>	73.66	98.98
<i>Feb-25</i>	98.33	100.00
<i>Mar-25</i>	99.25	100.00

Regards,

Charan Das  
 Manager ,LDC | Electrical T&D.

Tata Steel Limited  
 Inside TATA Steel Jamshedpur works | Jamshedpur 831 001  
 Mobile +91-7485090322  
[charan.das@tatasteel.com](mailto:charan.das@tatasteel.com) <http://www.tatasteel.com>

**From:** Bose Abhishek <[bosea@tatapower.com](mailto:bosea@tatapower.com)>  
**Sent:** Saturday, October 5, 2024 3:16 PM  
**To:** Charan Das <[charan.das@tatasteel.com](mailto:charan.das@tatasteel.com)>  
**Cc:** Shoeb Ahmad <[shoeb.ahmad@tatasteel.com](mailto:shoeb.ahmad@tatasteel.com)>; Kundu Srijata <[srijitakundu@tatapower.com](mailto:srijitakundu@tatapower.com)>  
**Subject:** FW: Required : Coal Plan consumption in FY 25

⚠ "External email: Do not click on links if sender is unknown"

**From:** [Shoeb Ahmad](#)  
**To:** [Kumar Prabhakar](#)  
**Subject:** RE: Shut down plan FY 25  
**Date:** 21 November 2024 16:56:43

---

[EXTERNAL sender, Exercise caution..!]

As of Now , the Shutdown plan shall be same and presently no change proposed as per the trailing mail.

Regards

**Shoeb Ahmad**  
Head LDC & Power Management | Electrical T & D

**Tata Steel Limited**  
Jamshedpur 831 001  
Tel +91-657 6648986 | Mobile +91-8092092106  
[shoeb.ahmad@tatasteel.com](mailto:shoeb.ahmad@tatasteel.com) | <http://www.tatasteel.com>

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**From:** Kumar Prabhakar <kprabhakar@tatapower.com>  
**Sent:** Thursday, November 21, 2024 2:54 PM  
**To:** Shoeb Ahmad <shoeb.ahmad@tatasteel.com>  
**Subject:** FW: Shut down plan FY 25

 "External email: Do not click on links if sender is unknown"

As discussed.

Regards,  
Prabhakar Kumar  
Group Head - Maintenance Planning  
The Tata Power Company Limited, Jojobera Power Plant, Rohargora, Jamshedpur, 831  
016, Jharkhand, India  
Mobile: 9431413095



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**From:** Hansdah Basudev <[bhansdah@tatapower.com](mailto:bhansdah@tatapower.com)>  
**Sent:** Thursday, June 27, 2024 6:35 PM  
**To:** Harendra Verma <[harendra.verma@tatasteel.com](mailto:harendra.verma@tatasteel.com)>  
**Cc:** Jagmit Singh Sidhu <[singhjs@tatapower.com](mailto:singhjs@tatapower.com)>; Kumar Prabhakar <[kprabhakar@tatapower.com](mailto:kprabhakar@tatapower.com)>; Shoeb Ahmad <[shoeb.ahmad@tatasteel.com](mailto:shoeb.ahmad@tatasteel.com)>  
**Subject:** Shut down plan FY 25

Dear Sir

*This is to bring to your notice that there is going to changes in the shutdown schedule of Unit 1 & 5 in FY-25 from the ABP, with the reason mentioned below in*

each case.

1. *Major shutdown of Unit -1 planned in Feb-25 has been proposed to be changed to Short shutdown primarily for Boiler recertification in Feb-25 itself. Short shutdown of Unit -1 in place of Major shutdown is being planned because the unit is retiring in FY-27 and no major work is planned to be executed. However, any major shutdown requirement coming out of the interim decision related to its life extension/unit upgradation needs to be suitably incorporated as it comes.*
2. *Major shutdown for Unit 2 is planned in ABP in Dec-24 remains unchanged.*
3. *No shutdown of Unit -3 is planned in ABP in FY-25. However, the shutdown of Unit 3 is planned in FY-26 and remains unchanged so far.*
4. *Short shutdown for Unit-4 is planned in ABP in Jan-25 remains unchanged.*
5. *Major Shutdown of Unit-5 is planned in September-24 as per ABP is proposed to be preponed to Short shutdown in July-24 ( first week of July-24). It is to note here that 2- year cycle for required overhauling of Unit -5 completes in March-25, however the unit shutdown was planned in ABP in Sep-24 (6 months before the 2- year shutdown cycle) to make it in line with Blast furnace shutdown schedule. Shutdown not being taken as per ABP because of the Higher cost per overhauling cycle due to preponement of the unit -5 shutdown in ABP.*
6. *Short shutdown for Power House-6 is planned in ABP in March-25 remains unchanged.*

*Kindly acknowledge.*

Regards,

Basudev Hansdah

Chief - O&M, Jamshedpur

The Tata Power Company Limited, Jojobera Power Plant, Jamshedpur 831 016  
Jharkhand, India

Tel: 0000 Mobile: 9040040548



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# ANNEXURE P25

## Q1 FY25 FUEL MIX REPORT

JPP/ 115 /2024  
23.08.2024

### The Secretary

Jharkhand State Electricity Regulatory Commission,  
1<sup>st</sup> Floor, Jharkhand Housing Board (Old Building)  
Harmu Housing Colony,  
Ranchi-834002

### Subject: Submission of Report on Fuel Mix for Q1 FY 2024-25

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 2024-25 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

**APPENDIX-A**

Quarterly Report on the Fuel Mix – For Quarter ended on June-2024/ FY 24-25:

1. The Hon'ble Commission in the MYT Tariff Order dated 04.11.2022 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 light of the above directive, Tata Power through the instant submission is submitting the actual fuel Mix for the period April 2024 to June 2024, i.e., Quarter 1 (Q1) of FY 2024-25, highlighting the deviations from the approved coal mix in MYT Order dated 04.11.2022 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 FY 2024-25 with regard to Unit 2 and Unit 3 is presented below for kind perusal and consideration of the Hon'ble Commission:

Unit	Unit 2 (Apr 24 to June 24)		Unit 3 (Apr 24 to June 24)	
	Proposed in MYT Petition	Actual	Proposed in MYT Petition	Actual
Middling	21.04%	56.89%	21.03%	62.82%
ECL Shakti	6.48%	0.15%	6.48%	5.43%
MCL Shakti	14.09%	2.84%	14.09%	2.56%
CCL Shakti	14.63%	9.55%	14.64%	8.58%
CCL Shakti R3	43.76%	22.88%	43.76%	17.98%
CCL SFA Coal	0%	6.61%	0%	1.51%
CCI Shakti WIV	0%	0.00%	0%	0.00%
WB Reject/Tailing	0%	1.07%	0%	1.11%
ECL SFA Coal	0%	0.00%	0%	0.00%
Total	100.00%	100.00%	100.00%	100.00%

4. The deviations between the actual and approved coal mix, as detailed above, are primarily due to a combination of factors beyond our control. A detailed summary of these factors is provided below:

- (a) The primary reasons for the deviation were a shortage of coal supply and a significant increase in demand from the distribution licensee compared to initial estimates. This surge in demand required more coal than originally projected. The actual PLF for Q1 was approximately 88.43%, whereas the initial projection for the units was about 85% for both the units.
- (b) Supply of CCL allocations under RCR/ Rail mode in terms of Sub-Group Decision on Coal Supply to Generating Companies.
- (c) Additionally, middling coal and a small quantity of tailing coals, along with CCL e-auction coal, were used. These were procured to address the actual coal requirements and to meet the increased demand from the distribution licensee.

**Details of above reasons are as below:**

6. It is important to note that the coal supply under the Shakti scheme is only sufficient for a 75% Plant Load Factor (PLF). Therefore, the remaining coal has to be sourced from alternatives such as Middling Coal, other reject coal from West Bokaro collieries, e-auction coal, or imported coal. The Petitioner highlighted this fact in the MYT Petition, which was acknowledged by the Hon'ble Commission in the MYT Order dated 04.11.2022. The Hon'ble Commission is also requested to acknowledge that the demand of a distribution licensee is beyond the control of the Generating Station. Consequently, these variations are unavoidable and outside the Generating Station's control.
7. It may kindly be noted that the Ministry of Power (MoP) has issued a series of directions and notifications, including those from FY 23 and FY 24, addressing the shortage of domestic coal. The MoP has advised generating stations to procure imported coal to address this shortfall. In its advisory dated January 9, 2023, the MoP directed all GENCOs to import coal for a 6% blending ratio until September 2023 due to insufficient domestic coal supply amidst rising energy demand. This advisory was later extended with a 4% blending ratio, as per the MoP letter dated September 1, 2023, for the balance of FY 2024. However, the advisory was revised again on October 25, 2023, to 6% blending ratio for the rest of FY 2024. Further this advisory was extended by MoP for all Genco including IPP's dated 4<sup>th</sup> March 2024 till June 2024. Details of MoP directions are annexed as Annexure 1 for references.
8. Additionally, the Sub-Group committee, which includes members from the Ministry of Power (MoP), Ministry of Coal (MoC), Railways, CEA, CIL, and officials from generating companies, recommended during their weekly review meeting on coal supply that Tata Power Jojobera Power Plant should receive mostly of 0 to 0.2 rakes (approximately) in Rail mode from CCL for the quarter except few cases. Sample Minutes of the Sub-Group weekly meetings are enclosed herewith for entire quarter and marked as Annexure2.
9. Given the allocated actual supply, it was challenging to meet the increased demand from the distribution licensee. Consequently, during this crisis, the Petitioner, in addition to the approved sources, also utilized other domestic sources such as middling coal, e-auction coal, and tailings to

**The Secretary**

Jharkhand State Electricity Regulatory Commission,  
1<sup>st</sup> Floor, Jharkhand Housing Board (Old Building)  
Harmu Housing Colony,  
Ranchi-834002

**Subject: Submission of Report on Fuel Mix for Q1 FY 2024-25**

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 2024-25 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

**APPENDIX-A**

Quarterly Report on the Fuel Mix – For Quarter ended on June-2024/ FY 24-25:

1. The Hon’ble Commission in the MYT Tariff Order dated 04.11.2022 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 light of the above directive, Tata Power through the instant submission is submitting the actual fuel Mix for the period April 2024 to June 2024, i.e., Quarter 1 (Q1) of FY 2024-25, highlighting the deviations from the approved coal mix in MYT Order dated 04.11.2022 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 FY 2024-25 with regard to Unit 2 and Unit 3 is presented below for kind perusal and consideration of the Hon’ble Commission:

Unit	Unit 2 (Apr 24 to June 24)		Unit 3 (Apr 24 to June 24)	
	Proposed in MYT Petition	Actual	Proposed in MYT Petition	Actual
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MCL Shakti	14.09%	2.84%	14.09%	2.56%
CCL Shakti	14.63%	9.55%	14.64%	8.58%
CCL Shakti R3	43.76%	22.88%	43.76%	17.98%
CCL SFA Coal	0%	6.61%	0%	1.51%
CCI Shakti WIV	0%	0.00%	0%	0.00%
WB Reject/Tailing	0%	1.07%	0%	1.11%
ECL SFA Coal	0%	0.00%	0%	0.00%
Total	100.00%	100.00%	100.00%	100.00%

4. The deviations between the actual and approved coal mix, as detailed above, are primarily due to a combination of factors beyond our control. A detailed summary of these factors is provided below:

- (a) The primary reasons for the deviation were a shortage of coal supply and a significant increase in demand from the distribution licensee compared to initial estimates. This surge in demand required more coal than originally projected. The actual PLF for Q1 was approximately 88.43%, whereas the initial projection for the units was about 85% for both the units.
- (b) Supply of CCL allocations under RCR/ Rail mode in terms of Sub-Group Decision on Coal Supply to Generating Companies.
- (c) Additionally, middling coal and a small quantity of tailing coals, along with CCL e-auction coal, were used. These were procured to address the actual coal requirements and to meet the increased demand from the distribution licensee.

**Details of above reasons are as below:**

6. It is important to note that the coal supply under the Shakti scheme is only sufficient for a 75% Plant Load Factor (PLF). Therefore, the remaining coal has to be sourced from alternatives such as Middling Coal, other reject coal from West Bokaro collieries, e-auction coal, or imported coal. The Petitioner highlighted this fact in the MYT Petition, which was acknowledged by the Hon'ble Commission in the MYT Order dated 04.11.2022. The Hon'ble Commission is also requested to acknowledge that the demand of a distribution licensee is beyond the control of the Generating Station. Consequently, these variations are unavoidable and outside the Generating Station's control.
7. It may kindly be noted that the Ministry of Power (MoP) has issued a series of directions and notifications, including those from FY 23 and FY 24, addressing the shortage of domestic coal. The MoP has advised generating stations to procure imported coal to address this shortfall. In its advisory dated January 9, 2023, the MoP directed all GENCOs to import coal for a 6% blending ratio until September 2023 due to insufficient domestic coal supply amidst rising energy demand. This advisory was later extended with a 4% blending ratio, as per the MoP letter dated September 1, 2023, for the balance of FY 2024. However, the advisory was revised again on October 25, 2023, to 6% blending ratio for the rest of FY 2024. Further this advisory was extended by MoP for all Genco including IPP's dated 4<sup>th</sup> March 2024 till June 2024. Details of MoP directions are annexed as Annexure 1 for references.
8. Additionally, the Sub-Group committee, which includes members from the Ministry of Power (MoP), Ministry of Coal (MoC), Railways, CEA, CIL, and officials from generating companies, recommended during their weekly review meeting on coal supply that Tata Power Jojobera Power Plant should receive mostly of 0 to 0.2 rakes (approximately) in Rail mode from CCL for the quarter except few cases. Sample Minutes of the Sub-Group weekly meetings are enclosed herewith for entire quarter and marked as Annexure2.
9. Given the allocated actual supply, it was challenging to meet the increased demand from the distribution licensee. Consequently, during this crisis, the Petitioner, in addition to the approved sources, also utilized other domestic sources such as middling coal, e-auction coal, and tailings to

meet its coal requirements. This approach helped avoid the need for costly imported coal by relying on FSA coal and other domestic sources.

10. It's worth noting that sourcing imported coal could have significantly affected the Energy Charge Rate. However, with all proactive and diligent efforts, Tata Power successfully managed its coal needs through CIL and WB's collieries, effectively controlling the overall increase in coal costs.

### Impact on Energy Charge Rate:

5. 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 2024-25 compared to the ECR approved in the MYT Order. Such deviations have been categorized under following heads:
- 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 vide its Notification dated 30.05.2023. The price increase outlined in this notification was significant compared to the prices considered during the MYT petition, and such changes are entirely beyond the Petitioner's control.
  - Variation due to change in fuel mix for reasons as stated above.
6. Difference in ECR for FY 2024-25 compared to ECR approved in the MYT Order for FY 24-25 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.

Particulars - Unit 2		Apr 24 to June 24			
Sl.No	Period		Apr 24 to June 24		
		UoM	Proposed in MYT Petition	Actual (w/o change in fuel mix)	Actual
1	Fuel Mix (In terms of Quantity)				
	Non-SHAKTI Coal	%	21.04%	21.04%	64.58%
	SHAKTI Coal	%	78.96%	78.96%	35.42%
2	Weighted Avg. GCV <sub>NS</sub> Coal	kCal/Kg	3776	4381	4376
	Weighted Avg. LP <sub>NS</sub> Coal	Rs/MT	4223	4786	4945
	Weighted Avg. GCV <sub>S</sub> Coal	kCal/Kg	3731	3600	3603
	Weighted Avg. LP <sub>S</sub> Coal	Rs/MT	3587	3996	3903
	Weighted Avg. GCV <sub>EFF</sub> Coal	kCal/Kg	3740	3764	4103
	Weighted Avg. LP <sub>EFF</sub> Coal	Rs/MT	3720	4162	4576
	Weighted Avg. GCV <sub>LDO</sub>	KCal/L	9100	9176	9176

	Weighted Avg. LP <sub>LDO</sub>	Rs/KL	45198	78871	78871
3	ECR <sub>NS</sub> Coal	Rs/kWh	3.184	3.110	3.217
4	ECR <sub>S</sub> Coal		2.737	3.161	3.084
5	ECR <sub>EFF</sub> Coal		2.832	3.148	3.176
6	ECR <sub>LDO</sub>		0.025	0.044	0.044
7	Discount due to SHAKTI Coal		0.044	0.040	0.018
8	ECR <sub>EFF</sub> (WITH SHAKTI Discount)		2.814	3.153	3.201
9	ECR <sub>ACTUAL-PROPOSED</sub>	Rs/kWh			0.387
	i - Variation due to Change in GCV/Price of Coal				0.339
	ii - Variation due to Change in Fuel Mix of Coal				0.049

Particulars - Unit 3		Apr 24 to June 24			
Sl.No	Period	UoM	Proposed in MYT Petition	Actual (w/o change in fuel mix)	Actual
1	Fuel Mix (In terms of Quantity)				
	Non-SHAKTI Coal	%	21.03%	21.03%	65.45%
	SHAKTI Coal	%	78.97%	78.97%	34.55%
2	Weighted Avg. GCV <sub>NS</sub> Coal	kCal/Kg	3775	4370	4367
	Weighted Avg. LP <sub>NS</sub> Coal	Rs/MT	4223	4817	4867
	Weighted Avg. GCV <sub>S</sub> Coal	kCal/Kg	3732	3624	3765
	Weighted Avg. LP <sub>S</sub> Coal	Rs/MT	3713	3864	3965
	Weighted Avg. GCV <sub>EFF</sub> Coal	kCal/Kg	3741	3781	4159
	Weighted Avg. LP <sub>EFF</sub> Coal	Rs/MT	3820	4065	4555
	Weighted Avg. GCV <sub>LDO</sub>	KCal/L	9100	8749	8749
	Weighted Avg. LP <sub>LDO</sub>	Rs/KL	45196	78441	78441
3	ECR <sub>NS</sub> Coal	Rs/kWh	3.198	3.151	3.185
4	ECR <sub>S</sub> Coal		2.844	3.048	3.010
5	ECR <sub>EFF</sub> Coal		2.919	3.073	3.131
6	ECR <sub>LDO</sub>		0.025	0.044	0.044
7	Discount due to SHAKTI Coal		0.022	0.042	0.017
8	ECR <sub>EFF</sub> (WITH SHAKTI Discount)		2.923	3.075	3.157
9	ECR <sub>ACTUAL-PROPOSED</sub>	Rs/kWh			0.2346
	i - Variation due to Change in GCV/Price of Coal				0.1522
	ii - Variation due to Change in Fuel Mix of Coal				0.0823

7. The data in the above tables represents that the ECR for Q1 FY24-25 has increased by 38.70 Paise/kWh for Unit 2 and 23.46 Paise/kWh for Unit 3 compared to the approved figures. This change is primarily due to variations in SHAKTI coal and its supply under the RCR mode, following the directions and recommendations of the Sub-Group Committee formed by the Ministry of Power (MoP). This situation arose due to a scarcity of coal, the use of middling coal to address the shortfall, variations in coal prices due to market conditions and shortages, and increased costs of LDO (Light Diesel Oil) driven by market forces, all of which are beyond our control. Additionally, there have been variations in the fuel mix for the reasons mentioned above.

It is worth noting that the Tata Power has been able to manage the actual ECR for Q1 FY24-25 around Rs. 3.201/kWh in unit 2 and Rs 3.157/kWh in unit 3.

8. The FY 24 ECR for the unit 2&3 was submitted in the previous quarter. When comparing the current effective ECR for Q1 FY 25 with that of the previous fiscal year (FY 24), there is a minor increase. Last year, the ECR was Rs 3.059/ kWh for Unit 2 and Rs 3.072 kWh for Unit 3. In the current scenario, it has risen to Rs 3.201/ kWh for Unit 2 and Rs.3.157/kWh for Unit 3
9. 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 2024-25 for Unit 2 and Unit 3.

**Ingersoll-Rand (India) Limited**

Awfis Space Solutions Pvt Ltd,  
Godrej Waterside Tower 2, 12th Floor, Block DP, Sector V,  
Salt Lake, Kolkata - 700091

**RO/ KOL/ L/ 24/ 705****Dtd. 04.07.2024**

**To,**  
**The Tata Power Company Limited**  
**Jojobera Power Plant**

**Kind Attn : Mr. Pravin Kumar - Head - Mechanical Maintenance**

**Sub : Expiry of Normal Operating Life of Compressor Model No. C45 MX3**  
**Sl. No. N99- 1129, N99- 1130 & N99- 1131**

Dear Sir,

We would like to bring to your kind notice that the Airend of Compressor Model C45MX3 having Sl. No. N99- 1129, N99- 1130 & N99- 1131 installed in your plant has crossed its Normal operating life. These compressors are manufactured in the year 1999 and has crossed 24 years of operation. The rotating components which is the heart of compressor have gone over their normal lifetime and we have noticed significant wear and tear of rotor assemblies due to continuous running over these years.

We hope you will agree with us that the compressors were reliable and so to enjoy uninterrupted services we recommend you to replace the old Airend with New Airend assembly for Compressor Sl. N99- 1129, 1130 & 1131, which can be installed without any modifications in the existing foundation, skid & motor. The new airends are with Ingersoll Rand's latest engineered components which can be sustained with continued spares & service support.

The Airend assembly will consist of the following components,

1. All stages rotors, diffusers, Impeller and pinion
2. All stages plain and thrust bearing
3. All stages oil and air seal
4. All stages pin roll, O- rings, screw sockets and ring retainer
5. Interstage connecting pipes
6. Bull gear along with bearing
7. Gaskets kit, O rings kit of compressor
8. Line bore



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**Ingersoll-Rand (India) Limited**

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Awfis Space Solutions Pvt Ltd,  
Godrej Waterside Tower 2, 12th Floor, Block DP, Sector V,  
Salt Lake, Kolkata - 700091

The budgetary prices of the airend is attached along with this letter.

Thanking you,

**For,**  
**Ingersoll Rand (I) Limited.**

**Ankush Das**

*Area Sales Manager – OFS (East)*

EMEIA Compression Systems & Services  
Ingersoll Rand (India) Limited  
Awfis Space Solutions Pvt. Ltd.  
Godrej Waterside Tower 2, 12<sup>th</sup> Floor,  
Block DP, Sector V  
Saltlake, Kolkata – 700 091



# झारखण्ड गजट

## असाधारण अंक

### झारखण्ड सरकार द्वारा प्रकाशित

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संख्या- 933 राँची, सोमवार, 13 अग्रहायण, 1939 (श०)  
4 दिसम्बर, 2017 (ई०)

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#### विधि (विधान) विभाग

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अधिसूचना  
20 सितम्बर, 2017

संख्या-एल०जी०-14/2017-114/लेज०-- झारखंड विधान मंडल का निम्नलिखित अधिनियम जिस पर राज्यपाल दिनांक 8 सितम्बर, 2017 को अनुमति दे चुकीं हैं, इसके द्वारा सर्वसाधारण की सूचना के लिए प्रकाशित किया जाता है ।

#### झारखण्ड लिफ्ट और एस्केलेटर अधिनियम, 2017 (झारखंड अधिनियम संख्या-18, 2017)

झारखण्ड राज्य में लिफ्टों और एस्केलेटरों तथा उनसे संबद्ध सभी मशीनरी और उपकरणों के निर्माण, अधिष्ठापन, रखरखाव तथा निरापद कार्य प्रणाली को विनियमित करने के लिए एक अधिनियम ।

यह भारत-गणराज्य के सस्रठ्वे वर्ष में झारखण्ड राज्य विधानमंडल द्वारा अधिनियमित हो:-

#### 1. संक्षिप्त नाम, विस्तार एवं प्रारंभ

1) यह अधिनियम झारखण्ड लिफ्ट एवं एस्केलेटर अधिनियम, 2017 कहलायेगा।

2) इसका विस्तार संपूर्ण झारखण्ड राज्य में होगा।

3) यह सरकार द्वारा राजपत्र में निर्गत अधिसूचना में यथा नियत तारीख से प्रवृत्त होगा।

**2. परिभाषाएँ:-** जब तक संदर्भ में अन्यथा अपेक्षित नहीं हो, तब तक इस अधिनियम में:-

क) "स्वचालित बचाव प्रणाली" से अभिप्रेत है, ऐसी प्रणाली जिसमें यदि भवन में बिजली चली जाती है तो लिफ्ट अपने निकटतम सतह पर रूक कर खुल जायेगा;

ख) "एस्केलेटर" से अभिप्रेत है सवारियों को ऊपर या नीचे ले जाने या ले आने के लिए बिजली पर निरंतर चलने वाली सीढ़ी;

ग) "सरकार" से अभिप्रेत है झारखण्ड राज्य सरकार;

घ) "निरीक्षक" से अभिप्रेत है विद्युत अधिनियम, 2003 (केन्द्रीय अधिनियम 36, 2003) की धारा-162 की उपधारा-(1) के अधीन राज्य सरकार द्वारा नियुक्त वह विद्युत निरीक्षक, जिसकी अधिकारिता में वह लिफ्ट या एस्केलेटर अधिष्ठापन स्थल आता है;

ड) "लिफ्ट" से अभिप्रेत है, बिजली से चलने वाली ऊपर या नीचे ले जाने या ले आने के लिए पिंजरानुमा यंत्र प्रणाली, वास्तव में जिसका उपयोग सवारी या माल या दोनों को ढोने के लिए किया जाता है;

च) "लिफ्ट पिंजरा" से अभिप्रेत है लिफ्ट का कार या पिंजरा जिसका उपयोग सवारी या माल या दोनों के परिवहन के लिए किया जाता है;

छ) "लिफ्ट अधिष्ठापन" में शामिल है लिफ्ट पिंजरा, लिफ्ट मार्ग, लिफ्ट मार्ग का घेरा एवं लिफ्ट परिचालन की यांत्रिक प्रणाली तथा रज्जु, केबल, तार, सुरक्षा उपबंध तथा लिफ्ट परिचालन से संबंधित यंत्र एवं मशीनरी;

ज) "लिफ्ट मार्ग" से अभिप्रेत है, धूरा या हविश जिसमें लिफ्ट पिंजरा आता जाता है;

झ) "लिफ्ट मार्ग घेरा" में शामिल है लिफ्ट मार्ग के चारों ओर या बंद करने के लिए वास्तविक संरचना;

ञ) "मालिक" से अभिप्रेत हैं सोसाईटी या संगम या संपूर्ण परिसर या उसके किसी भाग के मालिक या अधिभोगी या अभिधारी जिसने निबंधन के लिए आवेदन किया है;

ट) "सवारी" से अभिप्रेत है, कोई व्यक्ति जो अपने परिवहन के प्रयोजनार्थ लिफ्ट या एस्केलेटर का उपयोग करता है;

स्पष्टीकरण:- इस खण्ड के प्रयोजनार्थ लिफ्ट प्रचालक भी सवारी माना जायेगा।

ठ) "बिजली" में विद्युत, जल विद्युत, पवन विद्युत या यांत्रिकी विद्युत आदि अथवा इनका कोई संयोजन शामिल है;

ड) "परिसर" से अभिप्रेत है, कोई संरचना चाहे वह स्थायी हो अथवा अस्थायी और जहाँ लिफ्ट या एस्केलेटर अधिष्ठापित किया गया है;

ढ) "विहित" से अभिप्रेत है, इस अधिनियम के अधीन बनाये गये नियमों द्वारा विहित;

ण) "निबंधन" से अभिप्रेत है, इस अधिनियम की धारा-4 के अधीन निरीक्षक द्वारा लिफ्ट या एस्केलेटर की संख्या नियत करना;

त) "धारा" से अभिप्रेत है, इस अधिनियम की धारा;

थ) "राज्य" से अभिप्रेत है, झारखण्ड राज्य ;

### 3. पदाधिकारियों और पदधारियों की नियुक्ति:-

1) सरकार द्वारा सौंपे गये कृत्यों के निष्पादनार्थ या इस अधिनियम के अधीन राजपत्र में अधिसूचना द्वारा एक मुख्य विद्युत निरीक्षक और यथा आवश्यक निरीक्षकों, अन्य पदाधिकारियों एवं पदधारियों की नियुक्ति करेगी, जो यथा विहित अर्हता रखते हों;

2) मुख्य विद्युत निरीक्षक राज्य के निरीक्षकों और अन्य पदाधिकारियों एवं पदधारियों पर आम अधिक्षण एवं नियंत्रण रखेगा और इस अधिनियम के प्रयोजनों को पूरा करने के लिए आवश्यक निदेश निर्गत करेगा;

### 4. निबंधन

1) लिफ्ट या एस्केलेटर के अधिष्ठापन के पश्चात उसका मालिक एक माह के भीतर ऐसी लिफ्ट या एस्केलेटर के निबंधन हेतु यथा विहित शुल्क के साथ विहित फारम में आवेदन करेगा। शुल्क अप्रतिदेय होगा;

2) सभी तरह से पूर्ण आवेदन प्राप्त होने पर निरीक्षक 30 दिनों के भीतर लिफ्ट या एस्केलेटर की संख्या नीयत करते हुए इन्हें निबंधित करेगा;

3) लिफ्ट या एस्केलेटर का प्रत्येक मालिक लिफ्ट या एस्केलेटर के निर्बाध एवं निरापद संचालन हेतु किसी लिफ्ट या एस्केलेटर रख-रखाव कम्पनी द्वारा की गई संविदा या व्यवस्था को प्रमाण स्वरूप देते हुए लिफ्ट या एस्केलेटर के वार्षिक रख-रखाव की संविदा या की गई कोई अन्य व्यवस्था की प्रति प्रत्येक वर्ष निरीक्षक को देगा।

4) लिफ्ट या एस्केलेटर का प्रत्येक मालिक लिफ्ट या एस्केलेटर के निर्बाध एवं निरापद संचालन के लिए यथा विहित फारम में एवं रीति से सभी वार्षिक सुरक्षा प्रमाण पत्र देगा;

### 5. स्वचालित बचाव प्रणाली:-

बिजली चली जाने की दशा में लिफ्ट में फंसे सवारियों को बचाने हेतु उसका मालिक स्वचालित बचाव प्रणाली की व्यवस्था करेगा, जिसमें लिफ्ट अपने निकटतम सतह पर आकर रुकेगा तथा उसका दरवाजा खुल जायेगा।

**6. वैकल्पिक बिजली आपूर्ति प्रणाली:-**

बिजली चली जाने की दशा में लिफ्ट का कार्य करना सुनिश्चित करने के लिए मालिक 30 सेकेंड के भीतर वैकल्पिक स्वचालित बिजली आपूर्ति प्रणाली की व्यवस्था करेगा।

**7. निरीक्षण:-**

निरीक्षक या सरकार द्वारा प्राधिकृत किसी पदाधिकारी या अभिकरण द्वारा निबंधित प्रत्येक लिफ्ट या एस्केलेटर का निरीक्षण तीन वर्षों में एक बार किया जायेगा। ऐसे निरीक्षण के लिए किसी अन्य विद्युत अधिष्ठापन जाँच शुल्क के अतिरिक्त विहित शुल्क लिया जायेगा।

**8. व्यवहार संहिता:-**

1) इस अधिनियम में अन्यथा उपबंधित के सिवाय इस अधिनियम के प्रयजनों को पूरा करने के लिए भारतीय मानक ब्यूरो की सुसंगत व्यवहार संहिता, यदि कोई हो का पालन किया जायेगा, (जिसमें राष्ट्रीय भवन संहिता और राष्ट्रीय विद्युत संहिता भी शामिल है) तथा कोई असंगति पायी जाने की दशा में इस अधिनियम या एतदधीन बनाये गये नियमों के उपबंध अभिभावी होगा;

2) प्रयुक्त सामग्री एवं उपकरण संबंधित भारतीय मानक ब्यूरो के विनिर्देश से संपूष्ट होंगे, जहाँ ऐसे विनिर्देश पहले ही अधिकथित हैं;

3) परिसरों में अधिष्ठापित किये जाने वाले लिफ्टों या एस्केलेटरों की संख्या और उनके बीच की परस्पर दूरी भारतीय मानक ब्यूरो एवं राष्ट्रीय भवन संहिता की सुसंगत व्यवहार संहिता से शासित होंगे;

**9. विद्यमान लिफ्टों या एस्केलेटरों का निबंधन:-**

1) धारा-4 में अन्तर्विष्ट किसी बात के होते हुए भी ऐसा प्रत्येक मालिक जिसने इस अधिनियम के प्रारंभ होने की तारीख से पूर्व परिसरों में लिफ्ट या एस्केलेटर का अधिष्ठापन किया है वह इसके प्रभावी होने के दो माह की अवधि के भीतर ऐसे लिफ्ट या एस्केलेटर के निबंधन के लिए आवेदन करेगा;

2) ऐसे आवेदन पर धारा-4 की उपधारा-(2), (3) एवं (4) के उपबंध लागू होंगे;

**10. निरीक्षण के लिए किसी भवन में प्रवेश करने का अधिकार:-**

कोई निरीक्षक सभी उपयुक्त समय में सरकारी सेवा में रहने वाले किसी सहायक, यदि कोई हो, के साथ जैसा वह उचित समझे, किसी ऐसे परिसर में जिसमें लिफ्ट या एस्केलेटर अधिष्ठापित किये गये हैं अथवा जिनके निबंधन के लिए आवेदन प्राप्त हुए हैं लिफ्ट या एस्केलेटर या उनके अधिष्ठापन या उनके कार्यस्थल के निरीक्षण के लिए प्रवेश कर सकते हैं।

**11. असुरक्षित अवस्था वाले लिफ्ट या एस्केलेटर:-**

धारा-7 के अधीन निरीक्षण करने के उपरांत यदि निरीक्षक यह पाता है कि किसी भवन का कोई लिफ्ट या एस्केलेटर असुरक्षित अवस्था में है, तो वह ऐसे मालिक को विनिर्दिष्ट समय के भीतर ऐसे लिफ्टों या एस्केलेटरों की यथा आवश्यक मरम्मत या परिवर्तन कराने का निदेश दे सकता है अथवा वह उसका उपयोग तब तक रोक सकता है, जबतक कि उसका समाधान न हो जाय कि ऐसी मरम्मत या परिवर्तन करा लिये गये हैं या असुरक्षित अवस्था दूर कर ली गई है।

## 12. सील करना:-

1) कोई लिफ्ट या एस्केलेटर जिसके संबंध में धारा-11 के अधीन कोई निर्देश निर्गत किया गया है, उसका निरीक्षक के समाधान होने तक पालन नहीं किया गया है, ऐसे लिफ्ट या एस्केलेटर को यदि उसी अवस्था में चलता हुआ पाया जाता है, तो निरीक्षक द्वारा उसे सील करने का आदेश दिया जा सकता है;

2) उपधारा-(1) के अधीन किये गये आदेश के विरुद्ध कोई अपील मुख्य विद्युत निरीक्षक, ऊर्जा विभाग, झारखण्ड के पास की जायेगी और उनका निर्णय अंतिम होगा;

## 13. बीमा:-

ऐसे लिफ्ट या एस्केलेटर का अधिष्ठापन पूरा होने के पश्चात मालिक को तृतीय पक्ष बीमा सुनिश्चित करना बाध्यकारी होगा ताकि उसका उपयोग करने वाले सवारियों का जोखिम आच्छादित हो सके।

## 14. कर्मपुस्ती और प्रतिवेदन:-

1) मालिक प्रत्येक लिफ्ट या एस्केलेटर के लिए कर्मपुस्ती संधारित करेगा तथा उसमें परिचालन ठप हो जाना (विद्युत आपूर्ति चली जाने से भिन्न) और दुर्घटना, यदि कोई हो, तो दर्ज करेगा। इस कर्मपुस्ती का निरीक्षण निरीक्षक द्वारा जब और जैसे चाहें किया जा सकता है;

2) जब कभी किसी ऐसे लिफ्ट या एस्केलेटर के परिचालन पद्धति में कोई दुर्घटना के कारण किसी व्यक्ति को क्षति होती है, तो मालिक 24 घंटे के भीतर दुर्घटना का पूरा ब्यौरा ऐसे लिफ्ट या एस्केलेटर के लिए कार्य करने वाले निरीक्षक को यथा विहित फारम में देगा और निरीक्षक की लिखित अनुमति के बिना इसे पुनः चालु नहीं करेगा;

## 15. समवर्ती दायित्व:-

ऐसे लिफ्ट या एस्केलेटर के किसी सुरक्षा उपबंध के ठीक से कार्य नहीं करने के चलते दुर्घटना होने की दशा में यथास्थिति, लिफ्ट या एस्केलेटर अधिष्ठापन या रख-रखाव कम्पनी पर भी अभियोजन चलाया जा सकता है तथा उसे इस अधिनियम के अधीन दण्ड का भागी ठहराया जा सकता है।

## 16. बंद होने की सूचना देना:-

यदि किसी भवन में जहाँ लिफ्ट या एस्केलेटर अधिष्ठापित किये गये हैं, वह कार्य नहीं करता है तो मालिक द्वारा इसकी सूचना एक माह की अवधि के भीतर निरीक्षक को दी जायेगी।

**17. जीवन विस्तार:-**

परिसरों में अधिष्ठापित लिफ्ट या एस्केलेटर को उसके अधिष्ठापन के बीस वर्षों की अवधि के पश्चात मालिक द्वारा बदल दिया जायेगा। ऐसा बदलाव लिफ्ट या एस्केलेटर के अधिष्ठापन के 21वें वर्ष में पूरा कर लिया जायेगा तथा मालिक धारा-4 के अधीन नया निबंधन के लिए आवेदन करेगा।

**18. शिथिल करने की शक्ति:-**

सरकार लिखित आदेश द्वारा इस अधिनियम या एतदधीन बनाये गये नियमों के किसी उपबंध को ऐसी शर्त के अधीन, जो वह उचित समझे शिथिल कर सकती है।

**19. शक्तियों का प्रत्यायोजन:-**

सरकार इस अधिनियम द्वारा या इसके अधीन प्रदत्त शक्तियों को किसी ऐसे पदाधिकारी को प्रत्यायोजित कर सकती है, जिसे वह उचित समझे।

**20. शास्ति:-**

जो कोई इस अधिनियम या एतदधीन बनाये गये नियमों के किसी उपबंध का उल्लंघन करता है, तो वह दोष सिद्ध होने पर तीन माह तक का कारावास या पचास हजार रुपये तक का जुर्माना या दोनों से दण्डनीय होगा तथा लगातार उल्लंघन करने पर प्रथम बार ऐसे उल्लंघन के लिए दोष सिद्ध के पश्चात जारी उल्लंघन के दौरान प्रतिदिन एक हजार रुपये तक का अतिरिक्त जुर्माना लगेगा।

**21. अपराध का संज्ञान:-**

इस अधिनियम के अधीन नियुक्त निरीक्षक द्वारा किये गये परिवाद के अलावे कोई भी न्यायालय इस अधिनियम के अधीन किसी अपराध का संज्ञान नहीं लेगा।

**22. सद्भावपूर्वक की गई कार्रवाई का संरक्षण:-**

इस अधिनियम या एतद्वान बनाये गये नियमों के उपबंधों के अनुपालन में सद्भावपूर्वक की गई या किये जाने से

आशयित किसी बात के लिए किसी व्यक्ति के विरुद्ध कोई वाद, अभियोजन या अन्य विधिक कार्यवाही नहीं चलाई जायेगी।

**23. नियम बनाने की शक्ति:-**

1) सरकार इस अधिनियम के प्रयोजनार्थ राजपत्र में अधिसूचना द्वारा नियम बना सकती है;

2) विशिष्टतया और पूर्वगामी शक्ति की व्यापकता पर प्रतिकूल प्रभाव डाले बिना ऐसे नियमों में निम्नलिखित सभी या किसी बात का उपबंध किया जा सकता है:-

- क) लिफ्टों या एस्केलेटरों के लिए विनिर्देश;
- ख) रीति, जिसमें लिफ्ट या एस्केलेटर की परिनिर्माण योजना प्रस्तुत की जाती है;
- ग) रीति, लिफ्टों या एस्केलेटरों की जाँच की जाती है;
- घ) लिफ्ट या एस्केलेटर के परिनिर्माण हेतु अनुमति का आवेदन प्रपत्र तथा ऐसे लिफ्ट या एस्केलेटर का कार्य करने के लिए अनुज्ञप्ति;
- ड- धारा-1 की उपधारा-(4) के अधीन भेजे जाने वाले समापन प्रतिवेदन का फारम;
- च) शर्तें एवं बंधज और निर्बंधन और फारम जिनके अध्यक्षीन लिफ्टों या एस्केलेटरों की अनुज्ञप्ति मंजूर की जाती है तथा ऐसी अनुज्ञप्ति के लिए भुगतान किये जाने वाले शुल्क;
- छ) रीति और बंधज जिनके अध्यक्षीन लिफ्ट या एस्केलेटर कार्य करेंगे;
- ज) रीति, जिसमें धारा-14(2) के अधीन दुर्घटना की सूचना दी जायेगी;
- झ) अपील करने का फारम एवं रीति; और
- ञ) कोई अन्य मामला जो विहित किया जानेवाला हो या विहित किया जा सके;

3) इस अधिनियम के अधीन बनाया गया प्रत्येक नियम बनाये जाने के तुरंत बाद राज्य विधानमंडल के समक्ष रखा जायेगा, जब वह सत्र में हो, यदि सदन सहमत हो जाता है कि नियम में उपांतरण किया जाय अथवा नियम बनाया ही नहीं जाय, तो नियम यथास्थिति, उपांतरित रूप में प्रभावी होगा या अप्रभावी होगा तथापि ऐसा उपांतरण या बातिलीकरण उस नियम के अधीन पूर्व में की गई किसी बात की विधिमान्यता पर प्रतिकूल प्रभाव डाले बिना होगा।

#### 24. व्यावृत्ति:-

इस अधिनियम में अन्तर्विष्ट कोई बात विद्युत अधिनियम, 2003 (2003 का 36) या एतद्दीन बनाये गये नियमों के उपबंधों पर प्रभावी नहीं होगी ।

झारखंड राज्यपाल के आदेश से,

प्रवास कुमार सिंह,  
प्रधान सचिव-सह-विधि परामर्शी  
विधि विभाग, झारखंड, राँची।

## विधि (विधान) विभाग

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### अधिसूचना

20 सितम्बर, 2017

संख्या-एल०जी०-14/2017-115/लेज०-- झारखंड विधान मंडल द्वारा यथा पारित और राज्यपाल द्वारा दिनांक 8 सितम्बर, 2017 को अनुमत झारखण्ड लिफ्ट और एस्केलेटर अधिनियम, 2017 का निम्नांकित अंग्रेजी अनुवाद झारखंड राज्यपाल के प्राधिकार से इसके द्वारा प्रकाशित किया जाता है जिसे भारतीय संविधान के अनुच्छेद 348 के खंड (3) के अधीन उक्त अध्यादेश का अंग्रेजी भाषा में प्राधिकृत पाठ समझा जाएगा।

### The Jharkhand Lift And Escalators Act, 2017 (Jharkhand Act No. 18, 2017)

*An Act to provide for the regulation of the construction, installation, maintenance and safe working of lifts and escalators and all machinery and apparatus pertaining thereto in the State of Jharkhand.*

Be it enacted by the Legislature of the State of Jharkhand in the Sixty Seventh year of the Republic of India as follows :-

- |   |   |  |
|---|---|--|
| <b>Short title, extent and commencement</b> | 1 | (1) This Act may be called as The Jharkhand Lift and Escalators Act, 2017.<br>(2) It extends to the whole State of Jharkhand.<br>(3) It shall come into force on such date, as the Government may, by notification in the Official Gazette.  |
| <b>Definitions.</b>                         | 2 | In this Act unless the context otherwise required,-<br>(a) "automatic rescue device" means a device which, in case of power failure in the building, enables the lift to land and stop at the nearest landing floor and open the landing and lift cage doors simultaneously;<br>(b) "escalator" means a moving inclined continuous stairway or runway used for raising or lowering passengers, which work on power;<br>(c) "Government" means the Government of the State of Jharkhand;<br>(d) "Inspector" means the Electrical Inspector appointed by State Government under Sub Section (1) of Section 162 of the Electricity Act, 2003 (Central Act 36 of 2003), who has Territorial Jurisdiction over the place of installation of a lift or an escalator;<br>(e) "lift" means a hoisting and lowering mechanism equipped with a cage which moves in an upward and downward direction, and work on power and is designed or is actually used to carry passengers or goods, or both;<br>(f) "lift cage" means a car or a cage of a lift used for the conveyance of passengers or goods, or both;<br>(g) "lift installation" includes a lift cage, a lift way, a lift way enclosure, and an operating mechanism of the lift and ropes, cables, wires, safety provisions and plant and machinery connected with the operation of the lift;<br>(h) "lift way" means a shaft or hoist way in which the lift cage travels;<br>(i) "lift way enclosure" includes any substantial structure surrounding or enclosing the lift way;<br>(j) "owner" means an owner or occupier or office bearer of a society or an |

association, or a tenant, of the whole or part of a premises, who has applied for registration;

(k) "passenger" means any person who uses the lift or escalator for the purpose of his conveyance;

**Explanation.-** For the purpose of this clause, a lift operator shall also be treated as a passenger;

(l) "power" includes electrical, hydraulic, pneumatic or mechanical power, etc. or a combination of any of these;

(m) "premises" means any structure, whether temporary or permanent, where a lift or escalator is installed;

(n) "prescribed" means prescribed by rules made under this Act;

(o) "registration" means assignment of a number to a lift or escalator by the Inspector under section 4 of this Act.

(p) "section" means a section of this Act;

(q) "State" means the State of Jharkhand.

**Appointment of officers and officials.**

- 3
- (1) The Government shall, by notification in the Official Gazette, appoint a Chief Electrical Inspector and as many Inspectors other officers and officials, as may be necessary, having such qualifications as may be prescribed, for the purpose of performing the functions assigned to them by or under this Act.
  - (2) The Chief Electrical Inspector shall have general superintendence and control over the Inspectors and other officers and officials in the State and may issue necessary directions for carrying out the purpose of this Act.

**Registration.**

- 4
- (1) Every owner shall, within a period of one month after the completion of the installation of a lift or an escalator, apply for registration for such lift or escalator, in such form and manner along with such fee as may be prescribed. The fee shall be non-refundable.
  - (2) On receipt of an application, complete in all respects, the Inspector shall register the lift or escalator, by assigning a number to it within a period of thirty days.
  - (3) Every owner of a lift or escalator, shall submit every year a copy of annual lift or escalator maintenance contract or any other arrangement made for maintenance of lifts and escalators to the Inspector in token of having the contract or arrangement made with any lift or escalator maintenance company for the smooth and safe running of the lift or escalator.
  - (4) Every owner of a lift or escalator shall also furnish all annual safety certificates in such form and manner as may be prescribed for the smooth and safe running of the lift or escalator.

**Automatic rescue device.**

- 5
- The owner shall make arrangement to provide for an automatic rescue device to rescue the travelling passengers trapped in the lift in the event of breakdown of power supply by bringing and stopping the lift at the nearest landing floor and keeping the landing and lift cage door open.

**Alternate power supply system.**

- 6
- The owner shall make arrangements to provide for alternative automatic power supply system to ensure the functioning of the lift in the event of breakdown of power supply within a period of thirty seconds.

**Inspection.**

- 7
- Every lift and escalator which has been registered shall be inspected once in a period of three years by the Inspector or by an officer or an agency

authorized by the Government on its behalf. A fee as may be prescribed shall be charged for such inspection, in addition to any other electrical installation testing fees.

- Code of practice.** 8 (1) Save as otherwise provided in this Act, the relevant code of practice of the Bureau of Indian Standards (including National Building Code and National Electrical Code), if any, may be followed to carry out the purposes of this Act and in the event of any inconsistency, the provisions of this Act and the rules made there under shall prevail.
- (2) The material and apparatus used shall conform to the relevant specifications of the Bureau of Indian Standards where such specifications have already been laid down.
- (3) The number of lifts or escalators to be installed in a premises and the spacing between them shall be governed as per the relevant code of practice of Bureau of Indian Standards and the National Building Code.
- Registration of existing lifts and escalators.** 9 (1) Notwithstanding anything contained in section 4, every owner who has installed a lift or an escalator in premises before the date of the commencement of the Act, shall within a period of two months from such commencement, apply for a registration of such lift or escalator.
- (2) The provisions of sub-sections (2), (3) and (4) of section 4 shall, apply to such application.
- Right to enter any building for inspection.** 10 An inspector at all reasonable hours, with such assistants, if any, being persons in the service of the Government, as he thinks fit, may enter any premises in which a lift or an escalator is installed or in connection with which an application for registration has been received, for the purpose of inspection the lift or escalator or their installation or the site thereof.
- Lifts or escalators in an unsafe condition.** 11 If, upon an inspection as it is carried out under section 7, the Inspector finds that any lift or escalator in any building is in an unsafe condition, he may direct the owner requiring such repairs or alterations to be made to such lift or escalators, as he may deem necessary, within the period specified by him and may also forbid the use of such lift or escalator until such repairs or alterations are carried out or such unsafe condition is removed to his satisfaction.
- Sealing.** 12. (1) Any lift or escalator in respect of which a direction is issued under section 11 has not been carried out to the satisfaction of the Inspector, such lift or escalator, in case the same is found being used may be ordered to be sealed by the Inspector.
- (2) An appeal against an order under sub-section (1) shall lie to the Chief Electrical Inspector, Energy Department, Jharkhand, whose decision shall be final.
- Insurance.** 13 The owner shall, after the completion of the installation of such lift or escalator, ensure third party insurance mandatory so as to cover the risk of passengers using such lift or escalators.
- Log book and reporting.** 14 (1) The owner shall, maintain a log book for each lift and escalator and enter therein the details of operation, break-down (other than failure in electrical supply) and accident, if any. This log book may be inspected by the Inspector as and when he desires.
- (2) Whenever any accident occurs in the process of operation of any lift or

escalator causing injury to any person, the owner shall, within a period of twenty-four hours of the accident, give intimation with full details of accident, in such form as may be prescribed, to the Inspector the working of such lift or escalator, shall not be resumed except, with the written permission of the Inspector.

<b>Concurrent liability.</b>	15	The lift or escalator installation or maintenance company, as the case may be, may also be prosecuted and held liable for punishment under this Act in case an accident occurs in the lift or escalator, due to malfunctioning of any of the safety provisions of the lift or escalator, if attributable to such lift or escalator installation or maintenance company.
<b>Intimation about closure.</b>	16	If any building where lift or escalator is installed gets decommissioned, intimation about this shall be given by the owner to the Inspector within a period of one month.
<b>Life span.</b>	17	A lift or escalator installed in the premises shall be replaced by the owner of the lift or escalator, after the period of twenty years of its installation. Such replacement shall be completed within the twenty-first year of the installation of the lift or escalator, and the owner shall apply for a fresh registration under section 4.
<b>Power to relax.</b>	18	The Government may, by order in writing, direct that any of the provisions of this Act or the rules made thereunder shall be relaxed subject to such conditions as it may be fit.
<b>Delegation of powers.</b>	19	The Government may, delegate any of its powers conferred on it by or under this Act, to such officer as it may deem fit.
<b>Penalty.</b>	20	Whoever contravene any of the provisions of this Act, or the rules made thereunder shall, on conviction be punishable with imprisonment for a term which may extend to three months, or with fine which may extend to fifty thousand rupees, or both, and in the case of a continuing contravention with an additional fine which may extend to one thousand rupees for every day during which such contravention continues after conviction for the first such contravention.
<b>Cognizance of offence.</b>	21	No Court shall take cognizance of any offence under this Act except on complaint made by the Inspector, appointed under the Act.
<b>Protection for action taken in good faith.</b>	22	No suit, prosecution or other legal proceedings shall lie against any person in respect of anything which is done in good faith or intended to be done in pursuance of the provisions of this Act, or of the rules made thereunder.
<b>Power to make rules.</b>	23	(1) The Government may, by notification in the Gazette, make rules for the purpose of this Act.  (2) In particular and without prejudice to the generality of the foregoing power, such rules may provide for all or any of the following matters, namely :-  (a) Specifications for lifts and escalators;  (b) The manner in which erection plans of lift and escalators shall be submitted;

- (c) The manner in which lifts and escalators may be tested;
- (d) The form of application of permission for the erection of lift and escalators and license for working such lifts and escalators;
- (e) The form of report of completion to be sent under sub-section (4) of section 1;
- (f) The term and conditions and restrictions subject to which, and the form in which, the license may be granted for the working of lifts and escalators and the fees to be paid in respect of such licence;
- (g) The manner in which and the terms subject to which the lifts and escalators shall be worked;
- (h) The manner in which notice of accidents shall be given;
- (i) The form of notice of accidents to be given under section 14 (2);
- (j) The form and manner to file appeal; and
- (k) Any other matter which is to be, or may be prescribed.
- (3) Every rules made under this Act shall be laid, as soon as may be, after it is made, before the House of the State Legislature, while it is in session, if the House agrees in making any modification in the rule or the House agrees that the rule should not be made, the rule shall thereafter have effect only in such modified form, or be of no effect, as the case may be; so, however, that any such modification or annulment shall be without prejudice to the validity of anything previously done under that rule.

**Savings.**

- 24 Nothing contained in this Act shall affect the provisions of the Electricity Act, 2003 (36 of 2003) or the rules made thereunder.

झारखंड राज्यपाल के आदेश से,

**प्रवास कुमार सिंह,**  
प्रधान सचिव-सह-विधि परामर्शी  
विधि विभाग, झारखंड, राँची।

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## ANNEXURE P28

FORMAT FOR PERFORMANCE DATA FOR COAL/LIGNITE BASED THERMAL POWER STATIONS											
i) Name of Station :- Jojobera Thermal Power Station											
ii) Contact No. and Email :		9234620318 / bosea@tatapower.com									
iii) Unit wise Operating Parameters for Coal/Lignite Based Stations for the year: <u>2023-24</u>											
Station / Unit	Installed Capacity (MW)	Plant Loading Factor (=Gross Generation/Installed Capacity*Operating Hours)	No. of Start Ups			Oil Consumption in Start Up			Annual Overhauling Duration (if any)	Oil Consumption during Annual overhauling and in Start-up subsequent to Overhauling	Total Oil Consumption
			Cold Start- up	Warm Start- up	Hot Start- up	Cold Start- up	Warm Start- up	Hot Start- up			
Unit-2	120	83.3	1	0	1.00	60	0	35.00	6.24	60.00	324.00
Unit-3	120	79.2	1	0	2.00	129	0	40.50	29.29	129.00	311.60



# Government of Jharkhand

## Receipt of Online Payment of Stamp Duty

NON JUDICIAL



**Receipt Number** : ebafeaa0a8f89cb75775

**Receipt Date** : 26-Nov-2024 11:57:11 am

**Receipt Amount** : 100/-

**Amount In Words** : One Hundred Rupees Only

**Document Type** : Affidavit

**District Name** : EastSinghbhum

**Stamp Duty Paid By** : JAGMIT SINGH SIDHU

**Purpose of stamp duty paid** : AFFIDAVIT

**First Party Name** : JAGMIT SINGH SIDHU

**Second Party Name** : NA

**GRN Number** : 2405154966

KNOWN TO ME AND SIGN BEFORE ME  
ADVOCATE, Jamshepur

**-: This stamp paper can be verified in the jharnibandhan site through receipt number :-**



This Receipt is to be used as proof of payment of stamp duty only for one document. The use of the same receipt as proof of payment of stamp duty in another document through reprint, photo copy or other means is penal offence under section-62 of Indian Stamp Act, 1899

इस रसीद का उपयोग केवल एक ही दस्तावेज पर मुद्रांक शुल्क का भुगतान के प्रमाण हेतु ही किया जा सकता है। पुनः प्रिन्ट कर अथवा फोटो कॉपी आदि द्वारा इसी रसीद का दूसरे दस्तावेज पर मुद्रांक शुल्क का भुगतान के प्रमाण हेतु उपयोग भारतीय मुद्रांक अधिनियम, 1899 की धारा 62 अन्तर्गत दण्डनीय अपराध है।



KNOW TO ME AND SIGN BEFORE ME  
ADVOCATE, Jamshedpur

**BEFORE THE HON'BLE JHARKHAND STATE ELECTRICITY  
REGULATORY COMMISSION AT RANCHI**

**CASE (TARIFF) NO. OF 2024**

**IN THE MATTER OF:**

The Tata Power Company Limited .....Petitioner

-Versus-

Tata Steel Limited ...Respondent

**AFFIDAVIT**

I, Jagmit Singh Sidhu, S/o. Shri Manmohan Singh Sidhu, aged about 54 years, R/o. 7, Kaizer Bungalow, Kapali Road, P.O. Kadma, Jashedpur, Jharkhand-831005, do hereby solemnly affirm and state on oath as under:

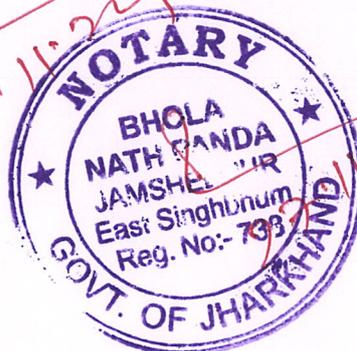
1. That I am working as CEO - IEL & Chief-Jamshedpur Operations, with The Tata Power Company Limited, the Petitioner in the above matter, and am duly authorized and competent to swear and depose the present affidavit on behalf of Petitioner.
2. That the Petitioner is submitting the Petition for Truing-up of FY 2023-24 & Annual Performance Review of FY 2024-25 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 Petitioner and have understood the contents thereof and that the contents therein are true and correct to the best of my knowledge and information derived from the official record 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 are true and correct to the best of my knowledge and information derived from the official record of the Petitioner, no part of the same is false and nothing material has been concealed therefrom.

**BHOLA NATH PANDA**  
District Court, Jamshedpur  
**NOTARY PUBLIC**



**DEPONENT**

**Jagmit Singh Sidhu**  
CEO - IEL & Chief - Jamshedpur Operations  
The Tata Power Company Ltd.  
Jamshedpur-831016

KNOW IN TO ME AND SIGN BEFORE ME  
ADVOCATE, Jamshedpur

**VERIFICIATION**

I, the above-named Deponent, do hereby verify that the contents of this affidavit are true and correct to the best of my knowledge and information derived from the official record of the Petitioner, no part of it is false and nothing material has been concealed therefrom.

Verified at Jamshedpur on this 27<sup>th</sup> day of November 2024.

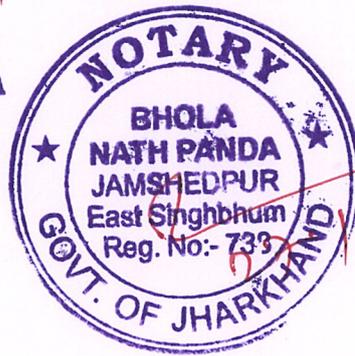


**DEPONENT**

**Jagmit Singh Sidhu**  
CEO - IEL & Chief - Jamshedpur Operations  
The Tata Power Company Ltd.  
Jamshedpur-831016

*27.11.2024*

**BHOLA NATH PANDA**  
District Court, Jamshedpur  
**NOTARY PUBLIC**



*KNOWN TO ME AND SIGN BEFORE ME*  
*ADVOCATE, Jamshedpur*