



30th April 2026
CFI-LRA-LRA-RGWR-001499

Secretary,
Maharashtra Electricity Regulatory Commission
13th Floor, Centre No-1, World Trade Centre,
Cuffe Parade, Colaba
Mumbai 400 005

Dear Sir,

Sub: Submission of Progress Report of Tata Power-Distribution Capital Expenditure Schemes for H2 FY 2025-26.

This is with reference to the 'In-Principle Clearances' granted by the Hon'ble Commission to Tata Power-D for capital expenditure schemes. As stipulated in the respective In-Principle Clearance letters, Tata Power-D is required to submit project progress reports on a half-yearly basis.

Accordingly, we are enclosing herewith the project progress reports of the capital expenditure schemes of Tata Power-D for the period up to H2 of FY 2025-26 in the **Appendix** and Closure Report as **Annexure 1** to this letter.

We trust the same is in order.

Yours faithfully,

(Vidyadhar Wagle)
Chief -Regulatory

Encl: Appendix and Annexure 1

OFFICE OF THE
MAHARASHTRA ELECTRICITY
REGULATORY COMMISSION
WTC, CUFFE PARADE, MUMBAI - 400 005.

TATA POWER

The Tata Power Company Limited

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Summary - Half Yearly Report _H2_FY2025-26

Sr-No-	DPR Name	Approval No.	Date of approval	Approved Amt Rs- Crs	CAPEX till H2-FY26 Rs- Crs
Wires DPRs					
1	Distribution Activities of Tata Power-D in Mumbai Suburban License Area for FY2018,2019,2020	MERC/CAPEX/2018-19/015	15-01-2019	350.70	311.48
2	Distribution Activities of Tata Power-D in Mumbai Suburban License Area for Replacement of fault prone underground cable section in Mumbai area	MERC/CAPEX/2017-18/4834	06-12-2017	72.75	29.73
3	DPR of TPC-D for Installation of DSS at Carnac Receiving Station and its associated Network Development in Ward A	MERC/CAPEX/2019-20/1217	23-12-2019	37.95	36.02
4	DPR for Reliability Improvement Scheme for Network in Mumbai License Area (Suburban)	MERC/CAPEX/2019-20/079	28-01-2020	37.38	20.63
5	In Principle Approval to TPC-D's "Loading of Assets of TPC-D in Mumbai suburban License Area for FY 20-21"	MERC/CAPEX/2020-21/	19-10-2020	42.53	39.34
6	In Principle Approval to TPC-D's "Loading of Assets of TPC-D in Mumbai City License Area for FY 20-21"	MERC/CAPEX/2020-21/ dtd- 19-10-2020	19-10-2020	27.40	15.98
7	In Principle Approval to TPC-D's "Loading of Assets of TPC-D in Mumbai suburban License Area for FY 21-22"	MERC/CAPEX/2021-22/497 dated 10-11-2021	10-11-2021	55.86	38.60
8	Distribution Activities of Tata Power-D in Mumbai Suburban License Area from FY2020-21 to FY2024-25	MERC/CAPEX/2021-22/573 dt- 30-12-2021	30-12-2021	316.15	273.82
9	Distribution Activities of Tata Power-D in Mumbai City Area from FY2021-22 to FY2025-26	MERC/CAPEX/2021-22/506 dtd- 16-11-2021	16-11-2021	130.24	133.80
10	Installation of DSS at Antop Hill RSS and its associated network development in Ward A	MERC/CAPEX/2022-23/0367 dtd- 08-08-2022	08-08-2022	29.78	10.57
11	Installation of DSS at Khatau Mill (Monte South) Mumbai City License area & associated network development	MERC/CAPEX/2023-24/0528 Dated on 23.08.24	23-08-2024	45.48	23.80
12	Customer Experience Transformation through Implementation of Salesforce CRM, ESB, Contact Center Upgradation with Social CRM and Digital Self serve solution (FY 2024-25 and FY 2025-26)	MERC/CAPEX/TPC-D/2023-24/0618 Dated on 09.10.24	09-10-2024	58.95	8.79
12	Augmentation of DSS at BKC in Mumbai Suburban License Area(FY24 to FY26)	MERC/CAPEX/2023-24/0619 Dated on 09.10.24	09-10-2024	28.34	12.65
14	Upgradation of Geographical Information System (GIS) and Distribution Management System (DMS) (FY2024-25 and FY2025-26)	MERC/CAPEX/TPC-D/2023-24/0709 dt 19.11.2024	19-11-2024	32.68	29.57
15	Grid connected Battery Energy Storage System 100MW/100MWh(BESS)	MERC/CAPEX/TPC-D/2024-25/0833 Dtaed on 27.12.2024	27-12-2024	299.97	65.15
16	INSTALLATION OF DSS AT PAREL (RAMTEKADI)	MERC/CAPEX/TPC-D/2024-25/032 Dtaed on 15.01.2025	15-03-2025	38.48	30.67

Sr-No-	DPR Name	Approval No.	Date of approval	Approved Amt Rs- Crs	CAPEX till H2-FY26 Rs- Crs
17	DISTRIBUTION ACTIVITIES OF TPC-D IN MUMBAI CITY LICENSE AREA AMOUNTING TO RS. 237.38CRORE	MERC/CAPEX/TPC-D/2024-25/ DATED 20.03.25	20-03-2025	237.38	67.43
18	Distribution Activities of Tata Power-D in Mumbai Suburban License Area from (FY 2025-26 to FY 2029-30)	MERC/CAPEX/	27-12-2024	306.96	54.22
Supply DPRs					
19	DPR for implementation of Smart Meters	MERC/CAPEX/2019-20/106	05-04-2019	59.75	59.15
20	DPR for Meter procurement across Mumbai Area for FY 2020-21 to FY 2024-25	MERC/CAPEX/FY2020-21/	09-18-20	14.79	13.22
21	In Principle Approval to TPC-D's "Installation of Smart Meters for FY 2022-23"	MERC/CAPEX/FY2022-23/0467	10-06-22	21.70	21.49
22	DPR for Installation of Smart Meter for FY 2023-24 & FY 2024-25	MERC/CAPEX/FY2023-24/0289	06-20-23	371.15	139.44

Sr.No.	Particulars	Remarks					
1	Name of the Scheme	Distribution Activities of Tata Power-D in Mumbai Suburban License Area for FY2018,2019,2020					
2	MERC Approved Cost (Rs in Cr.)	Rs.350.70					
3	In Principle Clearance Reference No. & Date (MERC Letter No.)	MERC/CAPEX/2018-19/015 dt. 15.01.2019					
4	Progress of the Scheme (Approved phasing as per the DPR)	Capex (Rs in Cr.)	Capitalization (Rs in Cr.)	Actual Progress of the Scheme	Capex (Rs in Cr.)	Capitalization (Rs in Cr.)	WIP (Rs in Cr.)
i	FY 2017-18	38.56	24.45	FY 2017-18	38.56	25.28	13.27
ii	FY 2018-19	112.45	105.12	FY 2018-19	64.63	61.94	15.96
iii	FY 2019-20	196.06	178.81	FY 2019-20	71.38	73.49	13.85
iv	FY 2020-21	0.00	42.31	FY 2020-21	52.80	62.82	3.84
v	-			FY 2021-22	69.88	67.91	5.80
vi	-			H1 FY 2022-23	2.73	4.95	3.58
vii	-			H2 FY 2022-23	3.69	7.24	0.03
viii				H1 FY 2023-24	2.19	0.59	1.63
				H2 FY 2023-24	4.04	5.07	0.60
				H1 FY 2024-25	1.00	0.93	0.67
				H2 FY 2024-25	0.39	0.98	0.08
				H1 FY 2025-26	0.17	0.22	0.03
				H2 FY2025-26	0.04	0.06	0.00
	TOTAL	347.07	350.69		311.48	311.48	0.00
5	Physical Progress of the Project for H2 FY-26: This DPR comprises new Suburban Schemes initiated in FY 2021–22, along with ongoing schemes carried forward from previous years. The physical scope of work primarily includes trenching, cable laying, civil works, and installation and commissioning of CSS and LT equipment. The physical execution of all pending scheme works has been completed. The DPR closure report is attached herewith for reference along with this progress report.						
6	Proposed Year of Scheme Completion	FY 2025-26 (After the New DPR approval, New schemes are executed with New DPR)					
7	Scheme is executed as per schedule:	No					
8	Reasons for delay:	The delay is primarily attributable to the transition between the existing DPR and the newly approved DPR. The Hon'ble Commission, vide letter No. MERC/CAPEX/FY2021-22/371 dated 17.08.2021, permitted utilization of the existing DPR for release of new consumer connections until approval of the new DPR. However, capitalization (Capex-Captz) was carried out only for the existing mapped schemes under the old DPR, while new schemes were executed under the newly approved DPR from FY 2021–22 onwards, approved vide letter No. MERC/CAPEX/2021-22/573 dated 30.12.2021. This transition led to delays in capitalization and closure of schemes.					
9	Benefits Achieved in Rs. Crores:	Power supply to new consumers in suburban area was released. The cost benefit analysis (in Rs.Cr) submitted along with completion report.					

Sr No.	Particulars	Remarks		
1	Name of the Scheme	Distribution Activities of Tata Power-D in Mumbai Suburban License Area for Replacement of fault prone underground cable section in Mumbai area		
2	MERC Approved Cost (Rs in Cr.)	Rs.72.75 Cr.		
3	In Principle Clearance Reference No. & Date (MERC Letter No.)	MERC/CAPEX/2017-18/4834 dt 06.12.2017		
4	Actual Progress of the Scheme (Approved phasing is not given in the DPR copy)	Capex (Rs in Cr.)	Capitalization (Rs in Cr.)	WIP (Rs in Cr.)
i	FY 2017-18	0.91	0.81	0.10
ii	FY 2018-19	4.04	3.68	0.45
iii	FY 2019-20	7.03	6.27	1.21
iv	FY 2020-21	13.47	13.10	1.58
v	FY 2021-22	2.60	1.66	2.52
vi	H1 FY 2022-23	1.13	0.00	3.65
vii	H2 FY 2022-23	0.05	1.62	2.07
	H1 FY 2023-24	0.34	0.77	1.65
	H2 FY 2023-24	0.19	0.71	1.13
	H1 FY 2024-25	0.04	0.16	1.00
	H2 FY 2024-25	0.10	0.05	1.05
	H1 FY 2025-26	0.05	0.00	1.11
	H2 FY 2025-26	-0.78	0.33	0.00
	TOTAL	29.73	29.17	0.56
5	<p>Physical Progress of the Project for H2 FY-26: Procurement of HT cables, including transportation, has been completed. The physical execution of works, including trenching, cable laying, and obtaining excavation permissions from MCGM and other concerned road-owning authorities, has also been completed. The DPR closure report is attached herewith along with this progress report for reference. The remaining CAPEX value of ₹0.56 lakh is due to the pending refund of RI charges from MCGM.</p>			
6	Proposed Year of Scheme Completion	FY 2025-26- As per MYT plan		
7	Scheme is executed as per schedule:	No		

8	Reasons for delay:	To optimize costs on account of RI charges, the identified cable sections were replaced in a phased manner, i.e., as and when faults occurred, instead of undertaking complete replacement at once. This approach led to an extended execution timeline.
9	Benefits Achieved in Rs. Crores:	The scheme was initiated to replace identified fault thus improving reliability of power supply and maintain power quality. The cost benefit analysis (in Rs.Cr) submitted along with completion report.

Sr.No.	Particulars	Remarks					
1	Name of the Scheme	DPR for Reliability Improvement Scheme for Network in Mumbai License Area (Suburban)					
2	MERC Approved Cost (Rs in Cr.)	Rs.37.38					
3	In Principle Clearance Reference No. & Date (MERC Letter No.)	MERC/CAPEX/2019-20/079 dt. 28.01.2020					
4	Progress of the Scheme (Approved phasing as per the DPR)	Capex (Rs in Cr.)	Capitalization (Rs in Cr.)	Actual Progress of the Scheme	Capex (Rs in Cr.)	Capitalization (Rs in Cr.)	WIP (Rs in Cr.)
i	FY 2020-21	14.76	14.76	FY 2020-21	5.95	5.68	0.27
ii	FY 2021-22	22.42	22.62	FY 2021-22	4.73	3.97	1.03
iii	FY 2022-23			H1 FY 2022-23	0.08	0.27	0.85
iv	H2 FY 2022-23			H2 FY 2022-23	1.22	0.99	1.08
v	-			H1 FY 2023-24	0.25	0.24	1.10
				H2 FY 2023-24	3.71	4.47	0.34
				H1 FY 2024-25	0.78	0.56	0.56
				H2 FY 2024-25	1.59	1.95	0.20
				H1 FY 2025-26	1.11	0.00	1.31
				H2 FY 2025-26	1.20	2.51	0.00
	TOTAL	37.18	37.38	TOTAL	20.63	20.63	0.00
5	Physical Progress of the Project for H2 FY-26: Replacement of breakers under the Network Reliability Improvement Schemes in the Suburban area has been completed. The ICOG panel, 1250A VCB breaker replacement activities have been executed across various DSS locations.. The RMU and breaker replacement schemes, is implemented over four years, carefully timed to align with optimized planned outages. . The DPR closure report is attached along with this progress report.						
6	Proposed Year of Scheme Completion	FY 2025-26-As per MYT plan					
7	Scheme is executed as per schedule:	No					
8	Reasons for delay:	DPR approval was secured in Q4 of FY20, and work commenced within the same fiscal year. The ring bifurcation, network migration, and LT interconnection schemes, have been planned with optimized outage periods, expenditure, taking into account RI charges during the Defect Liability Period					
9	Benefits Achieved in Rs. Crores:	The cost benefit analysis (in Rs.Cr) submitted along with completion report.					

SR No.	Particulars	Remarks					
1	Name of the Scheme	DPR of TPC-D for Installation of DSS at Carnac Receiving Station and its associated Network Development in Ward A					
2	MERC Approved Cost (Rs in Cr.)	Rs.37.95					
3	In Principle Clearance Reference No. & Date (MERC Letter No.)	MERC/CAPEX/2019-20/1217 dt. 23.12.2019					
4	Progress of the Scheme (Approved phasing as per the DPR)	Capex (Rs in Cr.)	Capitalization (Rs in Cr.)	Actual Progress of the Scheme	Capex (Rs in Cr.)	Capitalization (Rs in Cr.)	WIP (Rs in Cr.)
i	FY2019-20	9.1	4.63	FY2019-20	0.00	0.00	0.00
ii	FY2020-21	14.4	9.26	FY2020-21	7.72	4.84	2.88
iii	FY2021-22	13.32	24.07	FY2021-22	2.99	0.57	5.29
v	-			H1 FY 2022-23	8.22	0.38	13.13
vi	-			H2 FY 2022-23	2.46	15.56	0.02
v	-			H1 FY 2023-24	0.06	0.08	0.00
				H2 FY 2023-24	3.78	3.41	0.37
				H1 FY 2024-25	0.20	0.25	0.32
				H2 FY 2024-25	0.60	0.82	0.09
				H1 FY 2025-26	1.79	1.70	0.18
				H2 FY 2025-26	8.21	8.39	0.00
	TOTAL	36.82	37.96	TOTAL	36.02	36.02	0.00
5	<p>Physical Progress of the Project for H2 FY-26: At CARNAC DSS, commissioning of two power transformers and 11 kV switchgear has been completed. Outgoing HT cable work has also been completed. Procurement of HT cables, including transportation, stands completed. All execution activities have been carried out after obtaining excavation permissions from MCGM and other respective road-owning authorities. The DPR closure report is attached along with this progress report.</p>						
6	Proposed Year of Scheme Completion	FY 2025-26-As per MYT Plan					
7	Scheme is executed as per schedule:	No					
8	Reasons for delay:	The DPR approved in month of DEC-19 (FY20). Power Transformer & 11KV Switchgear installation is completed by Dec-22. HT cable laying work is completed.					
9	Benefits Achieved in Rs. Crores:	The cost benefit analysis (in Rs.Cr) submitted along with completion report.					

Sr No.	Particulars	Remarks					
1	Name of the Scheme	In Principle Approval to TPC-D's "Loading of Assets of TPC-D in Mumbai suburban License Area for FY 20-21"					
2	MERC Approved Cost (Rs in Cr.)	Rs.42.53					
3	In Principle Clearance Reference No. & Date (MERC Letter No.)	MERC/CAPEX/2020-21/ dtd. 19.10.2020					
4	Progress of the Scheme (Approved phasing as per the DPR)	Capex (Rs in Cr.)	Capitalization (Rs in Cr.)	Actual Progress of the Scheme	Capex (Rs in Cr.)	Capitalization (Rs in Cr.)	WIP (Rs in Cr.)
i	FY 2020-21	42.53	34.02	FY 2020-21	33.22	30.64	2.58
ii	FY 2021-22		8.51	FY 2021-22	5.98	7.62	0.93
iii	-			FY 2022-23	0.15	0.80	0.27
iv				H1 FY 2023-24	0	0	0.27
				H2 FY 2023-24	0	0.25	0.02
				H1 FY 2024-25	0	0.00	0.02
				H2 FY 2024-25	0	0.02	0.00
				H1 FY 2025-26	0	0.00	0.00
				H2 FY 2025-26	0	0.00	0.00
v	TOTAL	42.53	42.53	TOTAL	39.34	39.34	0.00
5	<p>Physical Progress of the Project : Total 106no. of the HT and LT Switchover (SWO) schemes in the Suburban area have been successfully executed under this DPR. The scope of work, including trenching, cable laying, jointing, termination, and commissioning of associated HT/LT network components, has been fully completed, enhancing network reliability and capacity. All execution activities, including final jointing, termination, and restoration works, have been completed. Necessary excavation permissions were duly obtained from MCGM and other concerned road-owning authorities prior to execution. The DPR closure report is attached along with this progress report.</p>						
6	Proposed Year of Scheme Completion	FY 2025-26					
7	Scheme is executed as per schedule:	No					
8	Reasons for delay:	Tata Power-D initiated the schemes for consumer switchover in the Mumbai Suburban area during FY 2020-21. However, progress has been delayed due to limited tariff benefits for consumers and delays in obtaining MCGM road excavation permissions.					
9	Benefits Achieved in Rs. Crores:	We shall submit the cost benefit analysis (in Rs.Cr) along with completion report.					

Sr.No.	Particulars	Remarks					
1	Name of the Scheme	In Principle Approval to TPC-D's "Loading of Assets of TPC-D in Mumbai City License Area for FY 20-21"					
2	MERC Approved Cost (Rs in Cr.)	Rs.27.40					
3	In Principle Clearance Reference No. & Date (MERC Letter No.)	MERC/CAPEX/2020-21/ dtd. 19.10.2020					
4	Progress of the Scheme (Approved phasing as per the DPR)	Capex (Rs in Cr.)	Capitalization (Rs in Cr.)	Actual Progress of the Scheme	Capex (Rs in Cr.)	Capitalization (Rs in Cr.)	WIP (Rs in Cr.)
i	FY2020-21	27.4	20	FY2020-21	0.50	0.50	0.00
ii	Upto FY 2021-22	0	7.4	FY 2021-22	0.72	0.00	0.72
iii	-			H1 FY 2022-23	0.00	0.53	0.19
iv	-			H2 FY 2022-23	1.28	0.20	1.27
v				H1 FY 2023-24	0.68	0.12	1.83
				H2 FY 2023-24	11.38	10.27	2.94
				H1 FY 2024-25	0.15	2.23	0.86
				H2 FY 2024-25	1.22	1.79	0.29
				H1 FY 2025-26	0.00	0.03	0.26
				H2 FY 2025-26	0.05	0.15	0.16
vi	TOTAL	27.4	27.4	TOTAL	15.98	15.82	0.16
5	<p>Physical Progress of the Project for H2 FY-26: The HT and LT System Switchover (SWO) schemes initiated in the City area are currently under execution. The scope of work includes trenching, cable laying, jointing, and commissioning activities to facilitate consumer switchover and strengthen the existing network. Approximately 57% of the total work has been completed, covering major cable installation and termination activities. The remaining work is in progress and expected to be completed in line with permission approvals from MCGM and other concerned authorities.</p>						
6	Proposed Year of Scheme Completion	FY 2026-27					
7	Scheme is executed as per schedule:	No					
8	Reasons for delay:	Delay from consumer end for Switch-over activities due to lesser tariff benefit.					
9	Benefits Achieved in Rs. Crores:	We shall submit the cost benefit analysis (in Rs.Cr) along with completion report.					

Sr No.	Particulars	Remarks					
1	Name of the Scheme	In Principle Approval to TPC-D's "Loading of Assets of TPC-D in Mumbai suburban License Area for FY 21-22"					
2	MERC Approved Cost (Rs in Cr.)	Rs. 52.86					
3	In Principle Clearance Reference No. & Date (MERC Letter No.)	MERC/CAPEX/2021-22/497 dated 10.11.2021					
4	Progress of the Scheme (Approved phasing as per the DPR)	Capex (Rs in Cr.)	Capitalization (Rs in Cr.)	Actual Progress of the Scheme	Capex (Rs in Cr.)	Capitalization (Rs in Cr.)	WIP (Rs in Cr.)
i	FY 2021-22	52.55	42.04	FY 2021-22	20.47	18.01	2.46
ii	FY 2022-23	0	10.51	H1 FY 2022-23	9.32	10.40	1.39
iii	IDC	0.3097	0.3097	H2 FY 2022-23	5.84	6.20	1.03
iv				H1 FY 2023-24	0.84	0.62	1.25
				H2 FY 2023-24	1.34	2.44	0.15
				H1 FY 2024-25	0.56	0.36	0.35
				H2 FY 2024-25	0.03	0.34	0.04
				H1 FY 2025-26	0.00	0.00	0.04
				H2 FY 2025-26	0.19	0.23	0.00
v	TOTAL	52.86	52.86	TOTAL	38.60	38.60	0.00
5	<p>Physical Progress of the Project for H2 FY-26: The HT and LT SWO schemes in the Suburban area are being executed under this DPR, aimed at improving network reliability and enabling consumer switchover. Around 70% of the total schemes have been completed. LMC work was carried out during H2 as per customer permissions. . Out of 163 schemes, work for 12 schemes is currently in progress.</p>						
6	Proposed Year of Scheme Completion	FY 2027-28 (as per MYT plan)					
7	Scheme is executed as per schedule:	No					
8	Reasons for delay:	This is consumer based service, and the revised completion year is as per the approved MYT proceedings					
9	Benefits Achieved in Rs. Crores:	We shall submit the cost benefit analysis (in Rs.Cr) along with completion report.					

Sr.No.	Particulars	Remarks					
1	Name of the Scheme	Distribution Activities of Tata Power-D in Mumbai Suburban License Area from FY2020-21 to FY2024-25					
2	MERC Approved Cost (Rs in Cr.)	Rs.316.15					
3	In Principle Clearance Reference No. & Date (MERC Letter No.)	MERC/CAPEX/2021-22/573 dt. 30.12.2021					
4	Progress of the Scheme (Approved phasing as per the DPR)	Capex (Rs in Cr.)	Capitalization (Rs in Cr.)	Actual Progress of the Scheme	Capex (Rs in Cr.)	Capitalization (Rs in Cr.)	WIP +stock (Rs in Cr.)
i	FY 2020-21	5.00	1.80	FY 2020-21	0.00	0.00	0.00
ii	FY 2021-22	67.00	26.70	FY 2021-22	19.81	8.58	11.23
iii	FY 2022-23	75.00	69.60	H1 FY 2022-23	38.59	26.81	23.01
iv	FY 2023-24	78.00	76.00	H2 FY 2022-23	40.83	56.70	7.14
v	FY 2024-25	81.00	79.20	H1 FY 2023-24	13.89	7.02	14.01
vi	FY 2025-26	0.00	52.70	H2 FY 2023-24	49.98	59.12	4.87
vi	IDC	0.00	10.35	H1 FY 2024-25	20.94	13.47	12.34
				H2 FY 2024-25	50.95	56.19	7.10
				H1 FY 2025-26	22.10	9.68	19.52
				H2 FY 2025-26	16.72	33.12	3.12
4.4	TOTAL	306.00	316.35	TOTAL	273.82	270.69	3.12
5	<p>Physical Progress of the Project for H2 FY-26: After the approval of this DPR, expenditure under the said DPR was initiated from H2 of FY-22, and distribution activities were undertaken in the Mumbai Suburban area to provide power supply to new consumers approaching Tata Power. The scope of work primarily includes trenching, cable laying, civil works, and installation and commissioning of electrical equipment.</p> <p>It is submitted that the approved DPR amount has been substantially utilized, and the balance amount is allocated to ongoing consumer schemes already under execution. The DPR completion report shall be submitted upon completion of all such work-in-progress schemes.</p>						
6	Proposed Year of Scheme Completion	FY2027-28					
7	Scheme is executed as per schedule:	No					
8	Reasons for delay:	NA					
9	Benefits Achieved in Rs. Crores:	Power supply to new consumers in suburban area was released. We shall submit the cost benefit analysis (in Rs.Cr) along with completion report.					

Sr.No.	Particulars	Remarks					
1	Name of the Scheme	Distribution Activities of Tata Power-D in Mumbai City Area from FY2021-22 to FY2025-26					
2	MERC Approved Cost (Rs in Cr.)	Rs.133.05					
3	In Principle Clearance Reference No. & Date (MERC Letter No.)	MERC/CAPEX/2021-22/506 dtd. 16.11.2021					
4	Progress of the Scheme (Approved phasing as per the DPR)	Capex (Rs in Cr.)	Capitalization (Rs in Cr.)	Actual Progress of the Scheme	Capex (Rs in Cr.)	Capitalization (Rs in Cr.)	WIP+stock (Rs in Cr.)
i	FY 2021-22	5.11	5.00	FY 2021-22	1.58	0.22	1.36
ii	FY 2022-23	24.99	8.00	H1 FY 2022-23	4.74	4.36	1.74
iii	FY 2023-24	30.01	28.83	H2 FY 2022-23	10.06	6.35	5.44
iv	FY 2024-25	29.98	25.56	H1 FY 2023-24	8.44	3.59	10.29
v	FY 2025-26	40.15	62.85	H2 FY 2023-24	32.83	34.96	8.16
vi	IDC	0	2.81	H1 FY 2024-25	14.41	7.43	15.14
				H2 FY 2024-25	49.10	59.99	4.25
				H1 FY 2025-26	7.64	4.26	7.63
				H2 FY 2025-26	5.00	10.86	1.77
vii	TOTAL	130.24	133.05	TOTAL	133.80	132.03	1.77
5	<p>Physical Progress of the Project for H2 FY-26: Under this DPR, new schemes and activities were initiated and executed, covering CSS and LT works. The scope includes equipment installation, civil works, trenching, cable laying, and associated services. Major cable laying work, CSS installation and LT LMC work of some of the schemes has been completed, while the remaining activities like Meter charging , Cable charging are currently in progress.</p>						
6	Proposed Year of Scheme Completion	FY2026-27					
7	Scheme is executed as per schedule:	No					
8	Reasons for delay:	NA					
9	Benefits Achieved in Rs. Crores:	We shall submit the cost benefit analysis (in Rs.Cr) along with completion report.					

Sr.No.	Particulars	Remarks					
1	Name of the Scheme	Installation of DSS at Antop Hill RSS and its associated network development in Ward A					
2	MERC Approved Cost (Rs in Cr.)	Rs.29.78					
3	In Principle Clearance Reference No. & Date (MERC Letter No.)	MERC/CAPEX/2022-23/0367 dtd. 08. 08.2022					
4	Progress of the Scheme (Approved phasing as per the DPR)	Capex (Rs in Cr.)	Capitalization (Rs in Cr.)	Actual Progress of the Scheme	Capex (Rs in Cr.)	Capitalization (Rs in Cr.)	WIP (Rs in Cr.)
i	FY 2022-23	11.64	9.70	FY 2022-23	0.55	0.00	0.55
ii	FY 2023-24	9.25	10.25	H1 FY 2023-24	7.07	0.00	7.07
iii	FY 2024-25	8.72	9.66	H2 FY 2023-24	1.87	9.36	0.13
iv	IDC	0.00	0.17	H1 FY 2024-25	0.00	0.00	0.13
				H2 FY 2024-25	0.66	0.67	0.12
				H1 FY 2025-26	0.00	0.00	0.12
				H2 FY 2025-26	0.42	0.24	0.30
v	TOTAL	29.61	29.78	TOTAL	10.57	10.27	0.30
5	Physical Progress of the Project for H2 FY-26: At Antop Hill DSS, two power transformers and 11 kV switchgears have been commissioned. Outgoing HT cable work is currently in progress; however, 36% work is completed. Network development activities, including final jointing, termination, and restoration works, are pending, subject to obtaining necessary excavation permissions from MCGM and other concerned road-owning authorities.						
6	Proposed Year of Scheme Completion	FY 2027-28					
7	Scheme is executed as per schedule:	No					
8	Reasons for delay:	NA					
9	Benefits Achieved in Rs. Crores:	We shall submit the cost benefit analysis (in Rs.Cr) along with completion report.					

Sr.No.	Particulars	Remarks					
1	Name of the Scheme	Installation of DSS at Khatau Mill (Monte South) Mumbai City License area & associated network development					
2	MERC Approved Cost (Rs in Cr.)	Rs.45.48					
3	In Principle Clearance Reference No. & Date (MERC Letter No.)	MERC/CAPEX/2023-24/0528 Dated on 23.08.24					
4	Progress of the Scheme (Approved phasing as per the DPR)	Capex (Rs in Cr.)	Capitalization (Rs in Cr.)	Actual Progress of the Scheme	Capex (Rs in Cr.)	Capitalization (Rs in Cr.)	WIP (Rs in Cr.)
i	FY 2024-25	17.36	13.87	H2 FY 2024-25	6.81	6.06	0.76
ii	FY 2025-26	22.11	17.88	H1 FY 2025-26	2.68	0.00	2.68
iii	FY 2026-27	5.38	13.73	H2 FY 2025-26	14.30	17.28	0.45
iv	IDC	0.63					0.45
							0.45
v	TOTAL	45.48	45.48	TOTAL	23.80	23.34	0.45
5	<p>Physical Progress of the Project for H2 FY-26: At Khatau Mill Area – Monte South DSS, work has commenced with 33 kV and 11 kV source cables already laid, and one power transformer commissioned on site. Installation of half of the 11 kV switchgear board and other auxiliary panels has also been completed. Control cable laying and outgoing HT cable work are currently in progress. Outgoing HT cable work is currently in progress; however, overall 50% work is completed. Network development activities, including final jointing, termination, and restoration works, are pending, subject to obtaining necessary excavation permissions from MCGM and other concerned road-owning authorities.</p>						
6	Proposed Year of Scheme Completion	FY 2027-28					
7	Scheme is executed as per schedule:	Yes					
8	Reasons for delay:	NA					
9	Benefits Achieved in Rs. Crores:	We shall submit the cost benefit analysis (in Rs.Cr) along with completion report.					

Sr.No.	Particulars	Remarks					
1	Name of the Scheme	Customer Experience Transformation through Implementation of Salesforce CRM, ESB, Contact Center Upgradation with Social CRM and Digital Self serve solution (FY 2024-25 and FY 2025-26)					
2	MERC Approved Cost (Rs in Cr.)	Rs.58.95					
3	In Principle Clearance Reference No. & Date (MERC Letter No.)	MERC/CAPEX/TPC-D/2023-24/0618 Dated on 09.10.24					
4	Progress of the Scheme (Approved phasing as per the DPR)	Capex (Rs in Cr.)	Capitalization (Rs in Cr.)	Actual Progress of the Scheme	Capex (Rs in Cr.)	Capitalization (Rs in Cr.)	WIP (Rs in Cr.)
i	FY 2024-25		38.91	H2 FY 2024-25	5.31	5.31	0.00
ii	FY 2025-26		19.04	H1 FY 2025-26	2.14	0.00	2.14
iii	IDC		0.74	H2 FY 2025-26	1.34	3.49	0.00
iv							0.00
							0.00
v	TOTAL	0.00	58.69	TOTAL	8.79	8.79	0.00
5	Physical Progress of the Project for H2 FY-26: We have completed the below activities – 1.Procurement of ESB Product Licenses for Test and Production environment 2.Rationalization of APIs used across Mumbai Distribution Customer Services 3.Configuration of Phase I APIs on ESB Test and production environment 4.Configuration of APIs on API Gateway Test and production environment 5.Application modification to consume ESB APIs						
6	Proposed Year of Scheme Completion	FY 2026-27					
7	Scheme is executed as per schedule:	No					
8	Reasons for delay:	NA					
9	Benefits Achieved in Rs. Crores:	We shall submit the cost benefit analysis (in Rs.Cr) along with completion report.					

Sr.No.	Particulars	Remarks					
1	Name of the Scheme	Augmentation of DSS at BKC in Mumbai Suburban License Area (FY24 to FY26)					
2	MERC Approved Cost (Rs in Cr.)	Rs.28.34					
3	In Principle Clearance Reference No. & Date (MERC Letter No.)	MERC/CAPEX/2023-24/0619 Dated on 09.10.24					
4	Progress of the Scheme (Approved phasing as per the DPR)	Capex (Rs in Cr.)	Capitalization (Rs in Cr.)	Actual Progress of the Scheme	Capex (Rs in Cr.)	Capitalization (Rs in Cr.)	WIP+stock (Rs in Cr.)
i	FY 2024-25		3.81	H2 FY 2024-25	3.37	3.27	0.10
ii	FY 2025-26		4.67	H1 FY 2025-26	2.78	0.00	2.78
iii	FY 2026-27		19.57	H2 FY 2025-26	6.50	9.29	0.09
iv	IDC		0.35				0.09
							0.09
v	TOTAL	0.00	28.40	TOTAL	12.65	12.56	0.09
	<p>Physical Progress of the Project for H2 FY-26:</p> <p>At the MCA area near BKC DSS, augmentation work of the existing BKC DSS has commenced. One power transformer has been commissioned, along with the installation of one 33 kV ICOG panel, partial 11 kV switchgear, one station transformer, associated auxiliary panels, and HT cable laying works. Overall, approximately 45% of the work has been completed.</p> <p>5 Civil work for the remaining installations at BKC Tower 18 has been completed. The balance scope includes minor civil works and electrical installation of major equipment such as the second power transformer, 33 kV ICOG panel, and 7-panel 11 kV switchgear board, along with source and outgoing HT cable works.</p> <p>Network development activities, including final jointing, termination, and restoration, are pending and will be undertaken upon receipt of necessary excavation permissions from MCGM and other concerned road-owning authorities.</p>						
6	Proposed Year of Scheme Completion	FY 2027-28					
7	Scheme is executed as per schedule:	Yes					
8	Reasons for delay:	NA					
9	Benefits Achieved in Rs. Crores:	We shall submit the cost benefit analysis (in Rs.Cr) along with completion report.					

Sr No.	Particulars	Remarks				
1	Name of the Scheme	Upgradation of Geographical Information System (GIS) and Distribution Management System (DMS) (FY2024-25 and FY2025-26)				
2	MERC Approved Cost (Rs in Cr.)	Rs 32.68 Crores				
3	In Principle Clearance Reference No. & Date (MERC Letter No.)	MERC/CAPEX/TPC-D/2023-24/0709 dt 19.11.2024				
4	Progress of the Scheme (Approved phasing as per the DPR)	Capex (Rs in Cr.)	Actual Progress of the Scheme	Capex (Rs in Cr.)	Capitali zation (Rs in Cr.)	WIP+stock (Rs in Cr.)
i	FY 2024-25	9.18	FY 2024-25	5.32	5.21	0.12
ii	FY 2025-26	22.74	FY 2024-25(IDC)	0.00	0.00	0.12
iii	IDC	0.76	H1 FY 2025-26	0.37	0.00	0.48
iv			H2 FY 2025-26	23.88	24.27	0.09
	TOTAL	32.68		29.57	29.48	0.09
5	<p>Physical Progress of the Project for H2 FY-26:</p> <p>GIS sytem:</p> <p>We have completed the below activities –</p> <ol style="list-style-type: none"> 1.Installation and commissioning of GIS System, 2. Migration of existing data, customizations, major business applications, 3.Development of Web and Mobile systems 4.Other procurements like supporting software, workstations, and tablets. 5. and integrations with other IT-OT systems (Inprogress) <p>DMS system:</p> <p>ADMS System installed and commissioned at MCC and BCC. Software deployment completed at both MCC and BCC location and database developed for all DSS. (Distribution Substation)</p>					
6	Proposed Year of Scheme Completion	FY 2026-27				
7	Scheme is executed as per schedule:	No				
8	Reasons for delay:	NA				
9	Benefits Achieved in Rs. Crores:	We shall submit the cost benefit analysis (in Rs.Cr) along with completion report.				

Sr.No.	Particulars	Remarks					
1	Name of the Scheme	GRID CONNECTED BATTERY ENERGY STORAGE SYSTEM 100MW/100MWH (BESS)					
2	MERC Approved Cost (Rs in Cr.)	Rs.299.97					
3	In Principle Clearance Reference No. & Date (MERC Letter No.)	MERC/CAPEX/TPC-D/2024-25/0833 dt 27.12.2024					
4	Progress of the Scheme (Approved phasing as per the DPR)	Capex (Rs in Cr.)	Capitalization (Rs in Cr.)	Actual Progress of the Scheme	Capex (Rs in Cr.)	Capitalization (Rs in Cr.)	WIP+stock (Rs in Cr.)
i	FY 2024-25	30.00		H1 FY 2025-26	0.00	0.00	0.00
ii	FY 2025-26	75.00	105.00	H2 FY 2025-26	65.15	64.96	0.19
iii	FY 2026-27	100.00	100.00				
iv	FY 2027-28	93.31	93.31				
v	IDC	1.66	1.66				
v	TOTAL	299.97	299.97	TOTAL	65.15	64.96	0.19
5	Physical Progress of the Project for H2 FY-26: BESS material received for site of MAHALXMI (10MW) and Reservoir plot DSS (10MW) . Civil work completed. Partial Installation work along with HT cable laying work is completed. Balanced activity is in progress.						
6	Proposed Year of Scheme Completion	FY 2027-28					
7	Scheme is executed as per schedule:	Yes					
8	Reasons for delay:	NA					
9	Benefits Achieved in Rs. Crores:	We shall submit the cost benefit analysis (in Rs.Cr) along with completion report.					

Sr.No.	Particulars	Remarks					
1	Name of the Scheme	INSTALLATION OF DSS AT PAREL (RAMTEKADI)					
2	MERC Approved Cost (Rs in Cr.)	Rs.38.48					
3	In Principle Clearance Reference No. & Date (MERC Letter No.)	MERC/CAPEX/TPC-D/2024-25/032 Dtaed on 15.01.2025					
4	Progress of the Scheme (Approved phasing as per the DPR)	Capex (Rs in Cr.)	Capitalization (Rs in Cr.)	Actual Progress of the Scheme	Capex (Rs in Cr.)	Capitalization (Rs in Cr.)	WIP+stock (Rs in Cr.)
i	FY 2024-25	17.61	14.09	H1 FY 2025-26	7.34	0.00	7.34
ii	FY 2025-26	17.61	17.61	H2 FY 2025-26	23.33	29.73	0.93
iii	FY 2026-27	2.87	6.39				0.93
iv	IDC	0.39	0.39				0.93
v	TOTAL	38.48	38.48	TOTAL	30.67	29.73	0.93
5	<u>Physical Progress of the Project for H1 FY-26:</u> At Ramtekadi Parel area we started civil work for DSS installation. Procurement of major items like- Power transformer, 11KV switchgears, 33kV ICOG panel etc is in progress.						
6	Proposed Year of Scheme Completion	FY 2027-28					
7	Scheme is executed as per schedule:	Yes					
8	Reasons for delay:	NA					
9	Benefits Achieved in Rs. Crores:	We shall submit the cost benefit analysis (in Rs.Cr) along with completion report.					

Sr.No.	Particulars	Remarks					
1	Name of the Scheme	DISTRIBUTION ACTIVITIES OF TPC-D IN MUMBAI CITY LICENSE AREA AMOUNTING TO RS. 237.38CRORE					
2	MERC Approved Cost (Rs in Cr.)	RS. 237.38					
3	In Principle Clearance Reference No. & Date (MERC Letter No.)	MERC/CAPEX/TPC-D/2024-25/ DATED 20.03.25					
4	Progress of the Scheme (Approved phasing as per the DPR)	Capex (Rs in Cr.)	Capitalization (Rs in Cr.)	Actual Progress of the Scheme	Capex (Rs in Cr.)	Capitalization (Rs in Cr.)	WIP (Rs in Cr.)
i	FY 2024-25	15	12.00	H2 FY 2024-25	9.06	7.07	1.99
ii	FY 2025-26	90	75.00	H1 FY 2025-26	13.54	5.92	9.60
iii	FY 2026-27	90	90.00	H2 FY 2025-26	44.83	49.01	5.42
iv	FY 2027-28	40.22	58.22				5.42
vi	IDC	2.16	2.16				5.42
							5.42
vii	TOTAL	237.38	237.38	TOTAL	67.43	62.00	5.42
5	<p>Physical Progress of the Project for H2 FY-26: With this DPR, new schemes and activities related to CSS, LT schemes involving equipment installation, Civil, Trenching, Cable Laying and associated services were initiated, executed and work in progress.</p>						
6	Proposed Year of Scheme Completion	FY2028-29					
7	Scheme is executed as per schedule:	Yes					
8	Reasons for delay:	NA					
9	Benefits Achieved in Rs. Crores:	We shall submit the cost benefit analysis (in Rs.Cr) along with completion report.					

Sr.No.	Particulars	Remarks					
1	Name of the Scheme	Distribution Activities of Tata Power-D in Mumbai Suburban License Area from (FY 2025-26 to FY 2029-30)					
2	MERC Approved Cost (Rs in Cr.)	Rs.306.96					
3	In Principle Clearance Reference No. & Date (MERC Letter No.)	Under approval					
4	Progress of the Scheme (Approved phasing as per the DPR)	Capex (Rs in Cr.)	Capitalization (Rs in Cr.)	Actual Progress of the Scheme	Capex (Rs in Cr.)	Capitalization (Rs in Cr.)	WIP +stock (Rs in Cr.)
i	FY-2025-26	40.00	36.00	FY2025-26	54.22	51.16	3.07
ii	FY2026-27	80.00	75.60				3.07
iii	FY 2027-28	80.00	79.56				3.07
iv	FY2028-29	80.00	79.96				3.07
v	FY2029-30	24.86	33.74				0.00
vi	IDC	1.90	1.90				0.00
4.4	TOTAL	306.76	306.76	TOTAL	54.22	51.16	3.07
5	<p>Physical Progress of the Project for H2 FY-26: Physical Progress of the Project for H2 FY-26: The Hon'ble Commission has approved the DPR for distribution activities in Mumbai Suburban area vide letter No MERC/CAPEX/2021-22/573 dt. 30.12.2021. This approved DPR amount has been substantially utilized, and the balance amount is allocated to ongoing consumer schemes already under execution. In order to continue meeting the Universal Service Obligation (USO) and avoid any delay in providing supply to new consumers, expenditure for new consumer schemes has been initiated under the DPR submitted to the Hon'ble Commission vide letter No. CFI-LRA-LRA-RGWR-001354 dated 23.07.2025, with the expectation of receiving in-principle approval.</p> <p>It is further submitted that upon receipt of approval from the Hon'ble Commission, the expenditure so incurred will be appropriately accounted for under the newly approved DPR.</p>						
6	Proposed Year of Scheme Completion	FY2029-30					
7	Scheme is executed as per schedule:	Yes					
8	Reasons for delay:	NA					
9	Benefits Achieved in Rs. Crores:	Power supply to new consumers in suburban area was released. We shall submit the cost benefit analysis (in Rs.Cr) along with completion report.					

Sr No.	Particulars	Remarks					
1	Name of the Scheme	DPR for implementation of Smart Meters					
2	MERC Approved Cost (Rs in Cr.)	Rs.59.75					
3	In Principle Clearance Reference No. & Date (MERC Letter No.)	MERC/CAPEX/2019-20/106 Dated 05.04.2019					
4	Progress of the Scheme (Approved phasing as per the DPR)	Capex (Rs in Cr.)	Capitalization (Rs in Cr.)	Actual Progress of the Scheme	Capex (Rs in Cr.)	Capitalization (Rs in Cr.)	WIP (Rs in Cr.)
i	FY2019-20	59.75	59.75	FY2019-20			
ii	FY 2020-21			FY 2020-21	13.33	12.02	1.31
iii	FY 2021-22			FY 2021-22	30.86	26.11	6.07
iv	FY 2022-23			FY 2022-23	12.48	18.30	0.25
vi	FY 2023-24			FY 2023-24	2.49	2.61	0.13
	FY 2024-25			FY 2024-25	0.00	0.01	0.12
				FY 2025-26-H1	0.00	0.00	0.12
				FY 2025-26-H2	0.00	0.08	0.04
	TOTAL	59.75	59.75	TOTAL	59.15	59.12	0.04
5	Physical Progress of the Project : 70000 Smart Meters have been installed till now under this DPR. Backend infrastructure has be created for 100000 Smart Meters.						
6	Proposed Year of Scheme Completion	FY 2025-26					
7	Scheme is executed as per schedule:	No					
8	Reasons for delay:	Start of project was delayed due to Covid Lockdown and late delivery of Smart meters from OEM due to global Shortage of Semiconductor Chips.					
9	Benefits Achieved:	We could carry out timely billing of consumers provided with Smart meters based on actual meter readings, even during the Pandemic when Meter Readers were not able to reach the Sites due to various restrictions. Also the consumers are provided with Consumption analytics from Smart Meters on Mobile App and Customer Portal.					

Sr No.	Particulars	Remarks					
1	Name of the Scheme	DPR for Meter procurement across Mumbai Area for FY 2020-21 to FY 2024-25					
2	MERC Approved Cost (Rs in Cr.)	Rs 14.79 Cr					
3	In Principle Clearance Reference No. & Date (MERC Letter No.)	MERC/CAPEX/FY2020-21/ dated 18.09.2020					
4	Progress of the Scheme (Approved phasing as per the DPR)	Capex (Rs in Cr.)	Capitalization (Rs in Cr.)	Actual Progress of the Scheme	Capex (Rs in Cr.)	Capitalization (Rs in Cr.)	WIP (Rs in Cr.)
i	Till FY2020-21	3.95	3.95	Till FY2020-21	5.45	4.00	1.45
ii	FY 2021-22	4.07	4.07	FY 2021-22	2.32	2.93	0.84
iii	FY 2022-23	2.26	2.26	FY 2022-23	2.47	2.49	0.82
iv	FY 2023-24	2.26	2.26	FY 2023-24	1.01	1.17	0.66
v	FY 2024-25	2.26	2.26	FY 2024-25	1.97	0.23	2.40
vi	FY 2025-26			FY 2025-26-H1	0.00	0.00	2.40
				FY 2025-26-H2	0.06	1.93	0.53
	TOTAL	14.80	14.80	TOTAL	13.22	12.75	0.47
5	Physical Progress of the Project : Progress is as per schedule						
6	Proposed Year of Scheme Completion	FY 2026-27					
7	Scheme is executed as per schedule:	No					
8	Reasons for delay:	Due to installation of smart meters, procurement of conventional meters has reduced over last 2 years.					
9	Benefits Achieved in Rs. Crores:	We shall submit the cost benefit analysis along with completion report.					

Sr No.	Particulars	Remarks					
1	Name of the Scheme	DPR for Installation of Smart Meter for FY 2022-23					
2	MERC Approved Cost (Rs in Cr.)	Rs 21.70 Cr					
3	In Principle Clearance Reference No. & Date (MERC Letter No.)	MERC/CAPEX/FY2022-23/0467 dated 06.10.2022					
4	Progress of the Scheme (Approved phasing as per the DPR)	Capex (Rs in Cr.)	Capitalization (Rs in Cr.)	Actual Progress of the Scheme	Capex (Rs in Cr.)	Capitalization (Rs in Cr.)	WIP (Rs in Cr.)
i	FY 2022-23	21.70	21.70	FY 2022-23	7.85	0.00	7.85
ii	FY 2023-24			FY 2023-24	13.64	20.00	1.49
iii	FY 2024-25			FY 2024-25	0.00	1.46	0.03
iv	FY 2025-26			FY 2025-26 H1	0.00	0.00	0.03
v	FY 2025-26			FY 2025-26 H2	0.00	0.00	0.03
	TOTAL	21.70	21.70	TOTAL	21.49	21.46	0.03
5	Physical Progress of the Project :	45000 smart meter have been installed till now.					
6	Proposed Year of Scheme Completion	FY 2026-27					
7	Scheme is executed as per schedule:	No					
8	Reasons for delay:	Meter Delivery was delayed from OEM.					
9	Benefits Achieved in Rs. Crores:	We shall submit the cost benefit analysis along with completion report.					

Sr No.	Particulars	Remarks					
1	Name of the Scheme	DPR for Installation of Smart Meter for FY 2023-24 & FY 2024-25					
2	MERC Approved Cost (Rs in Cr.)	Rs 371.15 Cr					
3	In Principle Clearance Reference No. & Date (MERC Letter No.)	MERC/CAPEX/FY2023-24/0289 dated 20-06-2023					
4	Progress of the Scheme (Approved phasing as per the DPR)	Capex (Rs in Cr.)	Capitalization (Rs in Cr.)	Actual Progress of the Scheme	Capex (Rs in Cr.)	Capitalization (Rs in Cr.)	WIP (Rs in Cr.)
i	FY 2023-24	198.88	198.88	FY 2022-23	3.23	0.17	3.06
ii	FY 2024-25	172.37	172.37	FY 2024-25	45.69	38.25	7.44
iii	FY 2025-26			FY 2025-26 H1	29.89	27.61	12.78
iv	FY 2025-26			FY 2025-26 H2	60.63	56.74	16.66
	TOTAL	371.25	371.25	TOTAL	139.44	122.78	16.66
5	Physical Progress of the Project : 2.9 Lakhs smart meter have been installed till March. 26						
6	Proposed Year of Scheme Completion	FY 2027-28					
7	Scheme is executed as per schedule:	No					
8	Reasons for delay:	Delay in Smart meter installation activity due to consumer objection.					
9	Benefits Achieved in Rs. Crores:	We shall submit the cost benefit analysis along with completion report.					

Annexure 1

Sr No	DPR Name	MERC Approval No and Date of Approval	MERC Approved Cost (Rs. Cr)
1	Distribution Activities of Tata Power-D in Mumbai Suburban License Area for FY 2028,2029,2020.	MERC/CAPEX/2018-19/015 Date: - 15 th January 2019	350.70
2	DPR for Reliability Improvement Scheme for Network in Mumbai License Area (Suburban)	MERC/CAPEX/2019-20/079 Date: - 28 th January 2020	37.38
3	DPR of TPC-D for installation of DSS at Carnac Receiving station and its associated network development.	MERC/CAPEX/2019-20/1217 Date: - 23 rd December 2019	37.95
4	DPR of TPC-D for Replacement of fault prone underground cable sections in Mumbai area	MERC/CAPEX/2017-18/4834 Date: - 06 December 2017	72.75
5	Loading of Assets of TPC-D in Mumbai Suburban License area for FY20-21	MERC/CAPEX/2020-21/ Date: - 42.53	42.53
6	DPR for implementation of smart meters and data analytic for FY19, FY20 & FY21	MERC/CAPEX/ 2019-20/106 Date: - 05.04.2019	59.75

DPR Closure Report

DPR Name – Distribution Activities of Tata Power-D in Mumbai Suburban License Area for FY2018,2019,2020.

Sr. No.	Particulars	Remarks												
1.	Name of the Scheme:	Distribution Activities of Tata Power-D in Mumbai Suburban License Area for FY2018,2019,2020												
2.	MERC Scheme Code No.:													
3.	MERC Approved Cost (Rs. Crores):	Rs. 350.70Crores												
4.	In Principle Clearance Reference No. & Date (MERC Letter No.):	MERC/CAPEX/2018-19/015 Dated on 15 th Jan 2019												
5.	Actual Progress of the Scheme: (Scope of Work as per DPR)	<table border="1"><thead><tr><th></th><th>Approved (Rs. Crore)</th><th>Expenditure (Rs. Crore)</th></tr></thead><tbody><tr><td>5.1 Up to FY 2025-26</td><td>350.70</td><td>311.48</td></tr><tr><td>5.2 Total</td><td>350.70</td><td>311.48</td></tr><tr><td>5.3 Variance, if any</td><td></td><td>39.22</td></tr></tbody></table>		Approved (Rs. Crore)	Expenditure (Rs. Crore)	5.1 Up to FY 2025-26	350.70	311.48	5.2 Total	350.70	311.48	5.3 Variance, if any		39.22
	Approved (Rs. Crore)	Expenditure (Rs. Crore)												
5.1 Up to FY 2025-26	350.70	311.48												
5.2 Total	350.70	311.48												
5.3 Variance, if any		39.22												
6.	Schedule Date of Completion	<table border="1"><thead><tr><th>As per DPR</th><th>Actual</th></tr></thead><tbody><tr><td>6.1 Financial Year</td><td>March 21</td><td>March 26</td></tr></tbody></table>	As per DPR	Actual	6.1 Financial Year	March 21	March 26							
As per DPR	Actual													
6.1 Financial Year	March 21	March 26												
6.2	Variance, if any	The DPR was used for releasing new consumer connections in Mumbai as per requests. The Hon'ble Commission has directed in the Tata Power-D MYT order in Case No. 210 of 2024 as follows –												

8.1.5 The Commission directs TPC-D to complete all such delayed schemes approved between FY 2016-17 to FY 2019-20 by the end of FY 2025-26 and submit its project completion report at the time of filing MTR Petition.

1. The delay in the execution of works was primarily due to the time required to obtain excavation permissions from MCGM, other concerned road-owning authorities, and necessary approvals from the customer.
2. Additionally, the project timeline was extended to optimize costs, particularly with respect to RI charges, by leveraging the Defect Liability Period (DLP) factor.

7.	Objective/scope achieved for the consumer schemes	<p>Distribution network developed in Mumbai Suburban area, which ensures reliable power supply to consumers, minimizes energy losses. It also supports to,</p> <ul style="list-style-type: none"> • Meet in the growing energy demands, • Network integrates with renewable energy sources, • Enhance operational efficiency, • Promote environmental sustainability, and • Customer satisfaction in Suburban areas.
7.1	Schemes under DPR	788
7.2	Schemes Completed	788

Encl: - Approval Letter



महाराष्ट्र विद्युत नियामक आयोग
Maharashtra Electricity Regulatory Commission

MERC/CAPEX/2018-19/ ०१८

Date: 15 January, 2019

To,
Managing Director,
Tata Power Company Ltd.,
Bombay House,
34 Homi Mody Street,
Mumbai - 400001.

Subject: In-principle approval for "DPR for Distribution Activities of TPC-D in Mumbai Suburban Licence Area for FY 2018, FY 2019 & FY 2020" for Rs. 350.55 Crore.

Sir,

1. This has reference to your above mentioned DPR submitted, for in principle approval to the Commission. The said scheme has been evaluated with reference to the guidelines circulated by the Commission on 9 February, 2005.
2. I am directed to convey the 'in-principle' approval for the scheme. The particulars of the scheme as approved are outlined in the Annexure "A" and Appendix "A, B,C" attached.
3. Please note that this in-principle approval should not be construed as final approval for ARR purpose and the scheme will be open for scrutiny during the tariff determination process/ARR review, particularly in the context of actual cost incurred, scope and objective achieved etc., after implementation of the Scheme. TPC-D will be required to submit the status of implementation of the scheme with cost incurred till date, likely completion date, etc. along with its ARR Petition or during the tariff determination process at the appropriate time.
4. TPC-D should submit half yearly progress reports by 20th day of the first month of next half year giving the status of implementation of the Scheme in terms of expenditure incurred and item wise physical progress achieved during the implementation of the Scheme.
5. Assets created after execution of the Scheme should be maintained separately in the Asset Register.
6. Immediately after completion/commissioning of the scheme, TPC-D should communicate to the Commission the date of completion of the scheme, actual cost incurred, escalation in cost, if any, with reasons, the scope and objectives of the scheme and to what extent they

have been achieved, etc., so as to facilitate a comparison between the benefits envisaged at the in-principle approval stage and the actual benefits.

7. TPC-D shall endeavor to complete the project within the stipulated time frame. Further, if TPC-D fails to initiate the work, including tendering process if any, within period of one year from the date of in-principle approval, the scheme shall be deemed to be cancelled. Thereafter, TPC-D will have to take a fresh look at the scheme and will be required to obtain revised in-principle approval of the Commission with justification for delay.
8. Major scope of work shall be executed through competitive bidding process only.
9. The taxes approved in the Scheme are as applicable as per Goods and Service Tax (GST) Act.



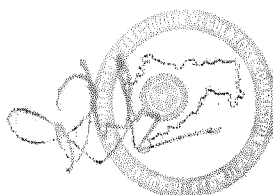
Yours faithfully,

(Dr. Rajendra Ambekar)
Executive Director, MERC

Encl: Annexure "A" and Appendix "A", "B" & "C"

Annexure – A

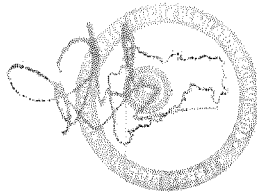
Name of the scheme	Distribution Activities of TPC-D in Mumbai Suburban Licence Area for FY 2018, FY 2019 & FY 2020
Estimated cost proposed by Tata Power-D	Rs. 364.48 Crore with IDC
In-principle approval accorded	Rs. 350.70 Crore with IDC
Cost benefit	TPC-D has submitted that the scheme is required to provide power supply to new consumers. No Cost Benefit analysis was submitted by TPC-D.
Scope of the works in brief	This DPR covers Distribution Activities of TPC-D in Mumbai Suburban Licence Area for FY 2018, FY 2019 & FY 2020
Objectives/Justification	<ul style="list-style-type: none"> ▪ To provide power supply to prospective consumers in Mumbai suburban license area who have shown interest in taking power supply from TPC-D To meet the load growth of these consumers.
Funding arrangement	TPC-D has mentioned that presently the funding will be through internal accruals. However, subsequently TPC-D may borrow capital for execution of these schemes. Hence Capital Structure assumed at this time is 70:30 Debt: Equity, as per MYT Regulations.
Time frame/phasing out of expenditure	FY 2018, FY 2019 & FY 2020 (Appendix-C)



Appendix - A

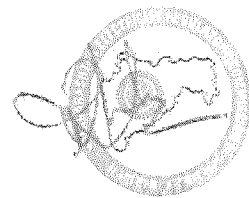
Observations / Comments on DPR

1.	Prudence of Investment / Technical Justification	TPC-D has submitted technical feasibility report and technical concept note for each scheme under this DPR. The DPR for Distribution Activities is required to release power supply to new consumers and to meet TPC-D Universal Service Obligation.
2.	Reasonability of Cost Estimate	TPC-D has submitted that it follows a very detailed, systematic procurement process that ensures transparency and competition resulting in procurement of material and services at competitive prices. For ensuring least cost option, TPC-D follows open tendering process and the bids/ proposals from vendors are evaluated by technical and financial experts. The vendors are finalised based on the best technical and commercial offer
3.	Comments on Cost Benefit Analysis	Tata Power-D has submitted that the scheme is required to provide power supply to new consumers. No Cost Benefit analysis was submitted by TPC-D However the impact on tariff on account of this DPR during FY 2017-18 will be Rs.0.01/kWh and the same will increase to approximately Rs.0.16 /kWh from FY 2021-22 onwards
4.	Discrepancy/Shortcomings Observed	Discrepancies & shortcomings observed during the evaluation process were resolved through various discussion and submission by TPC-D
5.	Remarks/Specific Comments, if any	Based on technical scrutiny and scope suggested by TPC-D, the scheme seems to be technically and commercially prudent.

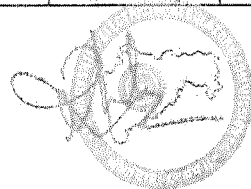


Appendix -B
Equipment and Cost description Approved

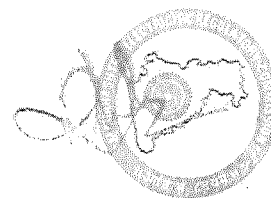
Sr. No.	Description	Unit	Total Qty	Unit Cost (Rs.)	Total Item Cost (Rs. in Lakhs)	Total Item Cost (Rs. in Cr.)
A	MATERIAL					
1	11/0.43kV 315kVA CRT Station Transformer	No	4	11,74,907	47.00	0.47
2	33kV AIS SWGR 1250A board	No.	3	59,82,409	179.47	1.79
3	33kV RMU,3-Way	Nos.	6	13,62,900	81.77	0.82
4	630 A SUB FDP 2 I/C, 6 W, 315 O/G	Nos	289	48,380	139.82	1.40
5	ACDB415V,2X1250A I/C,1250A B/C,4X630AO/G	No.	5	15,84,551	79.23	0.79
6	Automation work in existing panel	LS	1	5,00,000	5.00	0.05
7	Battery charger Flood cum Boost Charger 3Ph,4W,100AH	No.	8	2,87,217	22.98	0.23
8	Battery Low Maintenance 220V 100AH	No.	8	2,25,920	18.07	0.18
9	BAY W/BUS VT,BCPU&MFM F/33KV GIS31.5KA	EA	5	20,32,566	101.63	1.02
10	BOARD PWR DB,220V,200A,FLOOR,TWIN BUS	No.	5	1,32,930	6.65	0.07
11	CABLE 11KV 3C 300 SQMM XLPE AR AL	Metres	50382	1,504	757.75	7.58
12	CABLE 11KV AL AR 1C X 1000 SQMM XLPE	M	6000	1,258	75.51	0.76
13	CABLE 22KV 3C 240 SQMM XLPE AL	Metres	20220	1,576	318.69	3.19
14	CABLE 33KV 3C 400 SQMM XLPE AR AL	M	44300	2,433	1,077.81	10.78
15	CABLE TERM 3CX400/300SQmmF/33KvGIS31.5KA	EA	30	79,116	23.73	0.24
16	CABLE,1.1KV,4CX300Sq XLPE AL,PVC,AR,FRLS	Metres	91046	945	860.68	8.61
17	CBL ARM,22KV,1C,185MM2,AL,XLPE	Metres	450	650	2.92	0.03
18	CBL ARM,AL,11KV,1C,185MM2	Metres	870	555	4.83	0.05
19	CCTV/Fire Alarm System/Access Control	Nos.	3	30,00,000	90.00	0.90
20	CSS Automation	Nos.	21	5,00,000	105.00	1.05



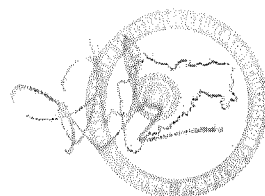
Sr. No.	Description	Unit	Total Qty	Unit Cost (Rs.)	Total Item Cost (Rs. in Lakhs)	Total Item Cost (Rs. in Cr.)
21	Distribution Trf (1000 KVA) Dry 11kV	Nos.	8	16,76,848	134.15	1.34
22	Distribution Trf (1000 KVA) Dry 22kV	Nos.	2	20,31,975	40.64	0.41
23	Distribution Trf (1250 KVA) Oil 11kV	Nos.	4	18,29,032	73.16	0.73
24	Distribution Trf (1250 KVA) Oil 22kV	Nos.	2	18,21,176	36.42	0.36
25	Distribution Trf (1500 KVA) Dry 11kV	Nos.	5	25,98,502	129.93	1.30
26	Distribution Trf (1500 KVA) Dry 22kV	Nos.	1	26,49,250	26.49	0.26
27	Distribution Trf (315 KVA) 11kV	Nos.	6	7,35,232	44.11	0.44
28	Distribution Trf (400 KVA) oil 11 kV	Nos.	2	9,64,686	19.29	0.19
29	Distribution Trf (400 KVA) oil 22 kV	Nos.	0	-	-	-
30	Distribution Trf (630 KVA) oil 11kV	Nos.	11	11,74,907	129.24	1.29
31	Distribution Trf (630 KVA) oil 22 kV	Nos.	7	16,24,896	113.74	1.14
32	Distribution Trf (750 KVA) Dry 11kV	Nos.	5	11,26,871	56.34	0.56
33	Distribution Trf (750 KVA) Dry 22kV	Nos.	5	11,53,428	57.67	0.58
34	DSS Automation	Nos.	3	25,00,000	75.00	0.75
35	ENCLOSURE WITH 11KV CTs AND PTs	Nos	23	86,569	19.91	0.20
36	FDR PLR 11/C,2000A BKR,6W,630A O/G FUSE	Nos	32	1,96,220	62.79	0.63
37	FEEDER PILLAR W/ BREAKER 440V 1250A 4PH	Nos.	20	1,92,000	38.40	0.38
38	HDPE Pipes-11kVHT	Nos	244	2,716	6.63	0.07
39	HDPE Pipes-22KVHT	Nos	51	4,207	2.15	0.02
40	HDPE Pipes-HT-11kV	Nos	1604	2,716	43.56	0.44
41	HDPE Pipes-HT-22kV	Nos	758	4,207	31.89	0.32
42	HDPE Pipes-HT-33kV	M	1960	4,207	82.45	0.82
43	HDPE Pipes-LT	Nos	2734	1,290	35.26	0.35
44	INCOMING BAY W/BCPU F/33KV GIS31.5KA	EA	5	28,50,729	142.54	1.43



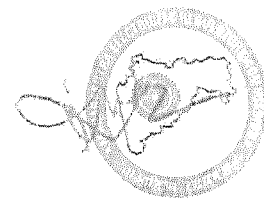
Sr. No.	Description	Unit	Total Qty	Unit Cost (Rs.)	Total Item Cost (Rs. in Lakhs)	Total Item Cost (Rs. in Cr.)
45	JOINT 11KV HS 3C 300 SQMM XLPE	Nos	273.36	16,639	45.49	0.45
46	JOINT 22KV HS 3C 240 SQMM XLPE	Nos	98.88	26,373	26.08	0.26
47	JOINT 33KV HS 3C 400 SQMM XLPE	Nos.	188	47,022	88.40	0.88
48	KIT FOR 11KV IC 185 SQMM XLPE	Nos	288	1,931	5.56	0.06
49	KIT FOR 22KV IC 185 SQMM XLPE	Nos	138	2,380	3.28	0.03
50	Mini Pillar 415V W/400A BUS BAR F/CABLE	Nos	558	9,648	53.83	0.54
51	NIFPS/HVWS Extension	Nos.	3	30,00,000	90.00	0.90
52	OUTGOING BAY W/BCPU&MFM F/33KV GIS31.5KA	EA	10	15,82,912	158.29	1.58
53	Package S/S 11/0.433 kV, 990 kVA-Dry	Nos.	5	26,54,540	132.73	1.33
54	Package S/S 11/0.433 kV, 990 kVA-Oil	Nos.	4	27,68,149	110.73	1.11
55	Package S/S 22/0.433 kV, 990 kVA	Nos.	7	35,45,900	248.21	2.48
56	PAD TRF Easter 11/0.433kv,630KVA	Nos	0	19,74,416	-	-
57	PANEL METERING WITH 22kV CLASS CTs & PTs	Nos	13	1,23,520	16.06	0.16
58	RCC tiles	Nos	420925	55	231.68	2.32
59	RMU,3WAY w/2-ISOLATOR&1-BRK 33KV630A25KA	No.	7	14,97,944	104.86	1.05
60	RMU,4WAY w/2-ISOLATOR&BRK 33KV 630A 25KA	No.	3	30,18,547	90.56	0.91
61	RMUs 11 KV 3 Way	Nos	40	3,52,317	140.93	1.41
62	RMUs 11 KV 4 Way	Nos	9	4,84,261	43.58	0.44
63	RMUs 22 KV 3 Way	Nos	18	9,36,159	168.51	1.69
64	RMUs 22 KV 4 Way	Nos	6	11,54,258	69.26	0.69
65	RTU panel	LS	2	5,00,000	10.00	0.10
66	SCADA Control Panel	No.	2	5,00,000	10.00	0.10
67	SFU	Nos	664	27,119	180.07	1.80
68	Supreme DSS RMU arrangement for Chnaging Source	No.	1	27,00,000	27.00	0.27
69	SWGR PANEL 2I/C 1B/C,140/G BRK WITH BCU	No.	5	1,18,43,924	592.20	5.92
70	SWGR PANEL 33KV 1X 1600A W/CBL I/O & BCU	No.	8	11,86,793	94.94	0.95



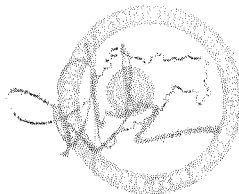
Sr. No.	Description	Unit	Total Qty	Unit Cost (Rs.)	Total Item Cost (Rs. in Lakhs)	Total Item Cost (Rs. in Cr.)
71	TERM 22KV HS ID 1C 185SQMM XLPE	Nos	102	2,380	2.43	0.02
72	TERM 22KV HS OD 3C 240 SQMM XLPE	Nos	48	8,476	4.07	0.04
73	TERM 33KV HS ID 1C 1000 SQMM XLPE	Nos.	84	4,017	3.37	0.03
74	TERM 33KV HS ID 3C 300 SQMM XLPE	Nos.	9	13,618	1.23	0.01
75	TERM 33KV HS ID 3C 400 SQMM XLPE	Nos.	4	13,618	0.54	0.01
76	TERM 33KV SC ID 3C 400SQMM XLPE FOR RMU	Nos.	60	72,151	43.29	0.43
77	TERMINATION 11KV HS OD 3C 300SQMM XLPE	Nos	146	8,288	12.10	0.12
78	TERMINATION 33KV HS OD 3C 400SQMM XLPE	Nos.	2	18,065	0.36	0.00
79	TRF POWER WITH OLTC,33KV/22kV/11KV,20MVA	No.	9	1,72,03,007	1,548.27	15.48
						97.58
B	SERVICES					-
1	Cable related :Cable laying charges HT Cable	Metres	122222	300	366.67	3.67
2	Cable related :Cable laying charges LT Cable	Metres	91046	200	182.09	1.82
3	Cable related :RI,Trench Excavation & Backfilling/Re-instatement charges HT Cable	Metres	48471	13,000	6,301.23	63.01
4	Cable related :RI,Trench Excavation & Backfilling/Re-instatement charges HT Cable	Metres	1100	16,600	182.60	1.83
5	Cable related :RI,Trench Excavation & Backfilling/Re-instatement charges HT Cable	Metres	3220	27,000	869.40	8.69
6	Cable related :RI,Trench Excavation & Backfilling/Re-instatement charges HT Cable	Metres	20	33,000	6.60	0.07
7	Cable related :RI,Trench Excavation & Backfilling/Re-instatement charges LT Cable-External	Metres	23223	12,000	2,786.76	27.87



Sr. No.	Description	Unit	Total Qty	Unit Cost (Rs.)	Total Item Cost (Rs. in Lakhs)	Total Item Cost (Rs. in Cr.)
8	Cable related :RI, Trench Excavation & Backfilling/Re-instatement charges LT Cable-Internal	Metres	5650	6,000	339.00	3.39
9	Cable related :Trench Excavation & Backfilling/Re-instatement charges LT Cable-Internal	Metres	13250	2,000	265.00	2.65
10	Civil works cost	LS	1	18,00,000	18.00	0.18
11	Civil works cost for DSS	Nos	3	3,50,00,000	1,050.00	10.50
12	Civil works cost for HT CSS building	Nos	27	5,00,000	135.00	1.35
13	Civil works cost for HT CSS building	Nos	1	25,00,000	25.00	0.25
14	Civil works cost for LT CSS building	Nos	53	6,00,000	318.00	3.18
15	Design & Drawing	Nos	5	20,000	1.00	0.01
16	Design & Drawing-Cable	Metres	163168	33	53.06	0.53
17	Design & Drawing-CSS	Nos	83	10,038	8.33	0.08
18	Earthing of Equipments	Nos	618	25,000	154.50	1.55
19	Equipment Installation- ETC of 33kV AIS	Nos	1	12,00,000	12.00	0.12
20	ETC of 11kV SWGR & 33kV ICOG & Auxilaries	LS	1	5,00,000	5.00	0.05
21	HT Jointing	Nos.	559.8	6,010	33.65	0.34
22	HT Termination	Nos.	882	3,005	26.51	0.27
23	HT Termination-GIS	Nos.	28	1,41,460	39.61	0.40
24	Installation/Commissioning 33kV Equipments	Nos	12	50,000	6.00	0.06
25	Installation/Commissioning 33kV Equipments	Nos	1	4,00,000	4.00	0.04
26	Installation/Commissioning of GIS	Nos	4	5,00,000	20.00	0.20
27	Installation/Commissioning of LT CSS-LTP	Nos	238	29,246	69.61	0.70
28	Installation/Commissioning of LT CSS-RMU	Nos	125	26,133	32.67	0.33
29	Installation/Commissioning of LT CSS-Transformer-Dry Type	Nos	26	67,260	17.49	0.17
30	Installation/Commissioning of LT CSS-Transformer-Oil Type	Nos	26	83,952	21.83	0.22



Sr. No.	Description	Unit	Total Qty	Unit Cost (Rs.)	Total Item Cost (Rs. in Lakhs)	Total Item Cost (Rs. in Cr.)
31	Installation/Commissioning of LT CSS-Transformer-PSSType	Nos	16	87,509	14.00	0.14
32	Installation/Commissioning Power Transformer	Nos	12	5,00,000	60.00	0.60
33	Installation/Commissioning Power Transformer	Nos	2	10,00,000	20.00	0.20
34	Installation/Commissioning-11kV Equipments	Nos	3	5,00,000	15.00	0.15
35	Installation/Earthing/Testing of Minipillar	Nos	664	13,930	92.49	0.92
36	Installation/Earthing/Testing of SFDP	Nos	607	18,910	114.78	1.15
37	Joints-1.1kV	Nos	588	7,456	43.84	0.44
38	Terminations-1.1kV	Nos	11910	1,689	201.18	2.01
39	Testing of DSS Equipments	Nos	3	2,25,400	6.76	0.07
40	Testing of GIS	Nos.	5	75,000	3.75	0.04
41	Testing of LTP	Nos	52	10,620	5.52	0.06
42	Testing of other equipments	Nos	6	10,620	0.64	0.01
43	Testing of Power Transformer	Nos	3	88,500	2.66	0.03
44	Testing of RMU	Nos	83	8,850	7.35	0.07
45	Testing of Transformer	Nos	72	20,060	14.44	0.14
46	Testing-CTPT	Nos	36	9,440	3.40	0.03
47	Transportation of Cable Drums & other Equipments	SFT	324	50,000	162.00	1.62
48	Transportation of Power Equipments(Power Transformer)	SFT	6	10,00,000	60.00	0.60
						141.78
C	Total Cost (Material & Service Cost)					239.37
D	Man Hours Cost (D=5%*C)	%	5			11.97
E	Total Cost for Prospective Cases					251.34
F	Total Cost for Work-In-Progress Schemes					95.73
G	IDC					3.63
H	Total Cost					350.70



Appendix - C

Revised phasing of expenditure for above approved Capex (excl IDC) will be as follows:

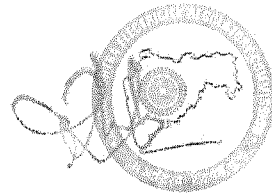
Particulars	FY 2017-18	FY 2018-19	FY 2019-20
Distribution Activities of Tata Power - D in Mumbai Suburban Licence Area for FY 2018, FY 2019 & FY 2020 (Rs. Crore)	38.56	112.45	196.06

Revised phasing for approved Capitalisation (excl IDC) will be as follows:

Phasing of Capitalisation (Rs. crore)				
2017-18	2018-19	2019-20	2020-21	2021-22
24.45	104.61	177.20	40.81	-

Revised phasing for approved Capitalisation (incl IDC) will be as follows:

Phasing of Capitalisation Including IDC (Rs. crore)				
2017-18	2018-19	2019-20	2020-21	2021-22
24.45	105.12	178.81	42.31	-



DPR Closure Report

DPR Name – DPR for Reliability Improvement Scheme for Network in Mumbai License Area (Suburban).

Sr. No.	Particulars	Remarks	
1.	Name of the Scheme:	DPR for Reliability Improvement Scheme for Network in Mumbai License Area (Suburban)	
2.	MERC Scheme Code No.:		
3.	MERC Approved Cost (Rs. Crores):	Rs. 37.38 Crores.	
4.	In Principle Clearance Reference No. & Date (MERC Letter No.):	MERC/CAPEX/2019-20/079 Dated on 28 th Jan 2020	
5.	Actual Progress of the Scheme: (Scope of Work as per DPR)	Approved (Rs. Crore)	Expenditure (Rs. Crore)
5.1	Up to FY 2025-26	37.38	20.63
5.2	Total	37.38	20.63
5.3	Variance, if any	16.75	
6.	Schedule Date of Completion	As per DPR	Actual
6.1	Financial Year	Mar-22*	Mar-26*
6.2	Variance, if any	DPR approval was secured in Q4 of FY20, and work commenced within the same fiscal year. The ring bifurcation, network migration, and LT interconnection schemes, have been planned with optimized expenditure, considering RI charges during the Defect Liability Period	
7.	Objective/scope achieved for the consumer schemes	Replacement of breakers under the Network Reliability Improvement Schemes in the Suburban area has been completed. The ICOG panel, 1250A VCB breaker replacement activities have been executed across various DSS locations. The RMU and breaker replacement schemes, is implemented over four years, carefully timed to align with optimized planned outages.	
7.1	Schemes under DPR	15	
7.2	Schemes Completed	15	

*During half yearly report we have communicated revised commissioning date based on execution schedule

Encl: - Approval Letter



महाराष्ट्र विद्युत नियामक आयोग
Maharashtra Electricity Regulatory Commission

Date: 28 January, 2020

MERC/CAPEX/2019-20/079

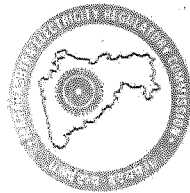
To,
Managing Director,
Tata Power Company Ltd.,
Bombay House,
34 Homi Mody Street,
Mumbai - 400001.

Subject: In principle approval for DPR of TPC-D's Reliability Improvement Scheme for Network in Mumbai License Area (Suburban) (Cost Rs 37.38 Cr).

Sir,

- 1 This has reference to your submitted DPR, for in principle approval to the Commission. The said scheme has been evaluated with reference to the guidelines circulated by the Commission on 9 February, 2005.
- 2 I am directed to convey the 'in-principle' clearance of the scheme for the cost of Rs. 37.38 Crs. The particulars of the scheme as approved are outlined in the Annexure "A" and Appendix "A" attached.
- 3 Please note that this in-principle approval should not be construed as final approval for ARR purpose and the scheme will be open for scrutiny during the tariff determination process/ARR review, particularly in the context of actual cost incurred, scope and objective achieved etc., ex-post after implementation of the Scheme. TPC-D will be required to submit the status of implementation of the scheme with cost incurred till date, likely completion date, etc. along with its ARR Petition or during the tariff determination process at the appropriate time.
- 4 TPC-D should submit half yearly progress reports by 20th day of the first month of next half year giving the status of implementation of the Scheme in terms of expenditure incurred and item wise physical progress achieved during the implementation of the Scheme.
- 5 Assets created after execution of the Scheme should be maintained separately in the Asset Register.

- 6 Immediately after completion/commissioning of the scheme, TPC-D should communicate to the Commission the date of completion of the scheme, actual cost incurred, escalation in cost, if any, with reasons, the scope and objectives of the scheme and to what extent they have been achieved, etc., so as to facilitate a comparison between the benefits envisaged at the in-principle clearance and the actual benefits.
- 7 TPC-D shall endeavor to complete the project within the stipulated time frame. Further, if TPC-D fails to initiate the work, including tendering process if any, within period of one year from the date of in-principle approval, the scheme shall be deemed to be cancelled. Thereafter, TPC-D will have to take a fresh look at the scheme and be required to obtain revised in-principle approval of the Commission with justification for delay.
- 8 Major scope of work shall be executed through competitive bidding process only.
- 9 TPC-D shall maintain the records of re-utilized material i.e. distribution transformer/ other material, etc. TPC-D shall take proper care while adding the re-utilized material in its asset record.
- 10 The revenue received from scraped material shall be maintained in the books of accounts, and shall also be reflected in ARR claim.



Yours faithfully,

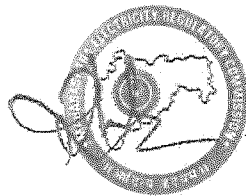
A handwritten signature in black ink, appearing to read "R. G. Ambekar", is written over a horizontal line.

(Dr. Rajendra G. Ambekar)
Executive Director

Encl: Annexure "A" and Appendix "A"

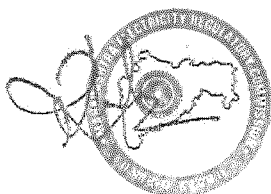
Annexure A

Name of the scheme	DPR for Reliability Improvement Scheme for Network in Mumbai License Area (Suburban)		
Estimated cost proposed by Tata Power-D	Rs. 37.42 Crore		
In-principle approval accorded	Rs. 37.38 Crore		
Cost benefit	Reliability of supply, Reduce interruptions		
Scope of the works in brief	<p>The scope of DPR covers increasing reliability of the distribution system and providing uninterrupted power supply to the existing consumers by taking corrective and preventive measures under following categories</p> <ol style="list-style-type: none"> 1. Ring Bifurcation 2. Migration of network 3. LT interconnection of network 4. Replacement of obsolete equipment. 		
Objectives/Justification	Objective of this DPR is to enhance the reliability and providing uninterrupted power supply to existing customers and also increase in safety of working personnel by suitably providing / replacing existing equipment and network cables.		
Funding arrangement	Funding arrangement for execution of these schemes is 70:30 Debts: Equity, as per MYT Regulations. Interest rate for normative 70% Debt is considered same as that considered in the TPC-D's MTR Petition for corresponding year of Control Period as per capitalization plan.		
Time frame/phasing out of expenditure	(In Rs. Crore)		
	FY 20-21	FY 21-22	Total
Capital Expenditure	14.76	22.42	37.38
Capitalization	14.76	22.42	37.38



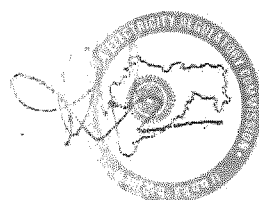
Observations / Comments on Feasibility Report

1.	Prudence of Investment / Technical Justification	Enhance reliability of the distribution system and providing uninterrupted power supply to the existing consumers by taking corrective and preventive measures under following categories <ol style="list-style-type: none"> 1 Ring Bifurcation 2. Migration of network 3. LT interconnection of network 4. Replacement of obsolete equipment.
2.	Reasonability of Cost Estimate	TPC-D has submitted that it follows a very detailed, systematic procurement process that ensures transparency and competition resulting in procurement of material and services at competitive prices. For ensuring least cost option, TPC-D follows open tendering process and the bids/ proposals from vendors are evaluated by technical and financial experts. The vendors are finalized based on the best technical and commercial offer
3.	Comments on Cost Benefit Analysis	Reliability of supply, Reduce interruptions
4.	Discrepancy/ Shortcomings Observed	Compiled by TPC-D.
5.	Remarks/Specific Comments, if any	Based on technical scrutiny and scope suggested by TPC-D, the scheme seems to be technically and commercially prudent.

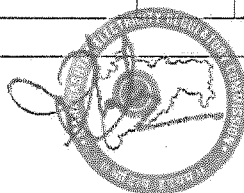


Appendix-A

Sr No	Scheme	Zone	Catergory	Cost Rs. Cr.
1	11KV ring bifurcation of F10 Vrindavan DSS and F 1 at VS Bhavan.	East	Ring Bifurcation	2.603
2	Second source to be provided to Reliance Enterprises CSS	East	Ring Bifurcation	1.800
3	Separating B/B Vasant Utsav DSS and Mahindra &Mahindra feeders	West	Ring Bifurcation	0.172
4	Conversion of 22kV Glen Ridge, Glen Height, Verona, Avlon, Glen Craft to 11kV From Supreme DSS	East	n/w Migration	2.139
5	Conversion of Acharya Udyog CSS from 22KV to 11KV and providing second source to Acharya Udyog CSS	East	n/w Migration	1.819
6	Shifting of 22KV Silver utopia CSS to MIAL DSS-1 11KV F12 ring	Metro	n/w Migration	0.395
7	Shifting of 22KV Samarpan CSS to MIAL DSS-1 11KV F7 ring	Metro	n/w Migration	0.262
8	Shifting of 22KV Acropolis CSS to Reservoir Plot DSS 11KV F26 ring	Metro	n/w Migration	0.195
9	Shifting of 22kV Disha CSS to MIAL DSS-3 11kV Ring	Urban	n/w Migration	0.310
10	Shifting of 22kV Aekruti Iris CSS to MIAL DSS-3 11kV Ring	Metro	n/w Migration	0.257
11	Shifting of 22kV Parle CSS to MIAL DSS-3 11kV Ring	Metro	n/w Migration	0.238
12	Removal of back to back connection and termination at spare feeders	North	n/w Migration	0.056
13	Conversion of Landmark-1 CSS from 22KV to 11KV	West	n/w Migration	0.394
14	Shifting of HDIL 1 CSS and HDIL 3 CSS from 22KV Fdr 39 to 11KV ring fed from Market City DSS.	East	n/w Migration	1.670
15	LT interconnection between Ackruti star to POCKET-10 CSS	Metro	Interconnection	0.199
16	LT interconnection between Credence CSS to Solitaire park CSS	Metro	Interconnection	0.199
17	LT interconnection between Baba house CSS to Pankaj chawl CSS	Metro	Interconnection	0.319
18	LT interconnection between Women welfare CSS /Chintamani CSS/ Seven HILL CSS	Metro	Interconnection	0.945
19	LT interconnection between Kamala Landmark CSS to Nadkishore CSS	Metro	Interconnection	0.868
20	LT interconnection between Cosmos plaza to HDIL-1	Metro	Interconnection	0.588
21	LT interconnection between Remi BIZCOURT to REMI ELECTROTECH	Metro	Interconnection	1.295
22	LT interconnection between MVM School to Milind Devloper	Metro	Interconnection	1.050
23	LT interconnection between Milind Devloper to AZAD Nagar	Metro	Interconnection	0.524



Sr No	Scheme	Zone	Category	Cost Rs. Cr.
24	LT interconnection between Orbit Venture to Samarth Aishwrya CSS	Metro	Interconnection	0.922
25	LT interconnection between Adani construction to HDIL-1	Metro	Interconnection	0.281
26	LT Tie between Station Trf of BMC & Mistry Park CSS (K100 FDP)	Urban	Interconnection	0.891
27	LT Tie between Sidlico to MLCP	Urban	Interconnection	0.689
28	LT Tie between Jewel Trends to CSIA	Urban	Interconnection	1.268
29	LT tie interconnection ROOPALI/Jet Speed/ Kapoor House CSS	Urban	Interconnection	0.215
30	LT interconnection between Oberoi exuiste and ESIC Hospital	West	Interconnection	0.072
31	Rajesh Builder & Kanakia	East	Interconnection	0.750
32	Gorkap & NIBR	East	Interconnection	0.629
33	LT tie cable between Gundecha CSS and Pramukh CSS. Budget required	Metro	Interconnection	0.290
34	SUNIL CONSTRUCTION & Nalanda	North	Interconnection	1.058
35	Switchgear installation at Malad DSS	West	Installation of Switchgear at Malad RSS	2.496
36	20 RMU replacement	All	Replacement Of RMU	1.570
37	Replacement of 11KV & 22KV SF6 Breaker with Vaccum circuit breaker at CSS & DSS	All	Replacement of SF6 breaker switchgear panel with Vaccum Switchgear	7.950
Total Cost				37.38



DPR Closure Report

DPR Name – DPR of TPC-D for installation of DSS at Carnac Receiving station and its associated network development (Rs.37.95Cr)

Sr. No.	Particulars	Remarks												
1.	Name of the Scheme:	DPR of TPC-D for installation of DSS at Carnac Receiving station and its associated network development												
2.	MERC Scheme Code No.:													
3.	MERC Approved Cost (Rs. Crores):	Rs. 37.95 Crores												
4.	In Principle Clearance Reference No. & Date (MERC Letter No.):	MERC/ CAPEX / 2019-20/1217 Dated on 23 rd Dec 2019												
5.	Actual Progress of the Scheme (Scope of Work as per DPR)	<table border="1"><thead><tr><th></th><th>Approved (Rs. Crore)</th><th>Expenditure (Rs. Crore)</th></tr></thead><tbody><tr><td>5.1 Up to FY 2025-26</td><td>37.95</td><td>36.02</td></tr><tr><td>5.2 Total</td><td>37.95</td><td>36.02</td></tr><tr><td>5.3 Variance, if any</td><td></td><td>1.93</td></tr></tbody></table>		Approved (Rs. Crore)	Expenditure (Rs. Crore)	5.1 Up to FY 2025-26	37.95	36.02	5.2 Total	37.95	36.02	5.3 Variance, if any		1.93
	Approved (Rs. Crore)	Expenditure (Rs. Crore)												
5.1 Up to FY 2025-26	37.95	36.02												
5.2 Total	37.95	36.02												
5.3 Variance, if any		1.93												
6.	Schedule Date of Completion	<table border="1"><thead><tr><th></th><th>As per DPR</th><th>Actual</th></tr></thead><tbody><tr><td>6.1 Financial Year</td><td>March-22 *</td><td>March 26*</td></tr><tr><td>6.2 Variance, if any</td><td colspan="2">The DPR was used for releasing new consumer connections in Mumbai as per requests. The Hon'ble Commission has directed in the Tata Power-D MYT order in Case No. 210 of 2024 as follows – <i>8.1.5 The Commission directs TPC-D to complete all such delayed schemes approved between FY 2016-17 to FY 2019-20 by the end of FY 2025-26 and submit its project completion report at the time of filing MTR Petition.</i> Project execution was delayed due to site constraints, MCGM permissions, and customer approvals in private areas.</td></tr></tbody></table>		As per DPR	Actual	6.1 Financial Year	March-22 *	March 26*	6.2 Variance, if any	The DPR was used for releasing new consumer connections in Mumbai as per requests. The Hon'ble Commission has directed in the Tata Power-D MYT order in Case No. 210 of 2024 as follows – <i>8.1.5 The Commission directs TPC-D to complete all such delayed schemes approved between FY 2016-17 to FY 2019-20 by the end of FY 2025-26 and submit its project completion report at the time of filing MTR Petition.</i> Project execution was delayed due to site constraints, MCGM permissions, and customer approvals in private areas.				
	As per DPR	Actual												
6.1 Financial Year	March-22 *	March 26*												
6.2 Variance, if any	The DPR was used for releasing new consumer connections in Mumbai as per requests. The Hon'ble Commission has directed in the Tata Power-D MYT order in Case No. 210 of 2024 as follows – <i>8.1.5 The Commission directs TPC-D to complete all such delayed schemes approved between FY 2016-17 to FY 2019-20 by the end of FY 2025-26 and submit its project completion report at the time of filing MTR Petition.</i> Project execution was delayed due to site constraints, MCGM permissions, and customer approvals in private areas.													
7.	Objective/scope achieved for the consumer schemes	To cater the power supply requirement of the prospective consumers in Mumbai City area and meeting universal service obligation as per Electricity Act, 2003, in line with the network rollout Order in case no. 182 of 2014, and to provide standby supply arrangement to the consumers being fed by Backbay DSS. At CARNAC DSS, commissioning of two power												

transformers and 11 kV switchgear has been completed. Outgoing HT cable work has also been completed. Procurement of HT cables, including transportation, stands completed. All execution activities have been carried out after obtaining excavation permissions from MCGM and other respective road-owning authorities. The DPR closure report is attached along with this progress report.

7.1 Schemes under DPR 1

7.2 Schemes Completed 1

*During half yearly report we have communicated revised commissioning date based on execution schedule

Encl: - Approval Letter



महाराष्ट्र विद्युत नियामक आयोग
Maharashtra Electricity Regulatory Commission

MERC/CAPEX/2019-20/1217

Date: 23 December, 2019

To,

Managing Director,
Tata Power Company Ltd.,
Bombay House,
34 Homi Mody Street,
Mumbai - 400001.

Subject: In principle approval for DPR of TPC-D for installation of DSS at Carnac Receiving Station and its associated network development in Ward A (Cost Rs 37.95 Cr)

Sir,

- 1 This has reference to your submitted DPR, for in principle approval to the Commission. The said scheme has been evaluated with reference to the guidelines circulated by the Commission on 9 February, 2005.
- 2 I am directed to convey the 'in-principle' clearance of the scheme for the cost of Rs. 37.95 Crs. The particulars of the scheme as approved are outlined in the Annexure "A" and Appendix "A" attached.
- 3 Please note that this in-principle approval should not be construed as final approval for ARR purpose and the scheme will be open for scrutiny during the tariff determination process/ARR review, particularly in the context of actual cost incurred, scope and objective achieved etc., ex-post after implementation of the Scheme. TPC-D will be required to submit the status of implementation of the scheme with cost incurred till date, likely completion date, etc. along with its ARR Petition or during the tariff determination process at the appropriate time.
- 4 TPC-D should submit half yearly progress reports by 20th day of the first month of next half year giving the status of implementation of the Scheme in terms of expenditure incurred and item wise physical progress achieved during the implementation of the Scheme.
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- 6 Immediately after completion/commissioning of the scheme, TPC-D should communicate to the Commission the date of completion of the scheme, actual cost incurred, escalation in cost, if any, with reasons, the scope and objectives of the scheme and to what extent they have been achieved, etc., so as to facilitate a comparison between the benefits envisaged at the in-principle clearance and the actual benefits.
- 7 TPC-D shall endeavor to complete the project within the stipulated time frame. Further, if TPC-D fails to initiate the work, including tendering process if any, within period of one year from the date of in-principle approval, the scheme shall be deemed to be cancelled. Thereafter, TPC-D will have to take a fresh look at the scheme and be required to obtain revised in-principle approval of the Commission with justification for delay.
- 8 Major scope of work shall be executed through competitive bidding process only.



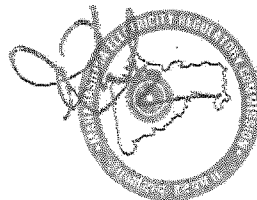
Yours faithfully,

(Dr. Rajendra G. Ambekar)
Executive Director

Encl: Annexure "A" and Appendix "A"

Annexure A

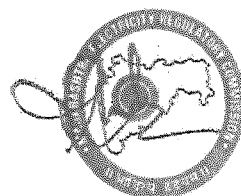
Name of the scheme	DPR of TPC-D for installation of DSS at Carnac Receiving Station and its associated network development in Ward A
Estimated cost proposed by Tata Power-D	Rs. 37.95 Crore with IDC
In-principle approval accorded	Rs. 37.95 Crore with IDC
Cost benefit	Meeting the power supply requirement of new consumers and prospective consumers in Mumbai City Area
Scope of the works in brief	<p>(a) The Distribution substation (DSS) comprises of 33 / 11 kV, 2 X 20 MVA transformers; 11kV Switch gear comprising of 2 Incomers, 1 bus-coupler, 2 Bus-PTs & 14 Nos of 11kV Outgoing outlets. The details of installation of DSS is as below:</p> <p>(b) Installation of 2 nos 33/11 kV, 20 MVA Power Transformer in switchyard area.</p> <p>(c) 2 nos of 33 KV Bays are available at Carnac RSS.</p> <p>(d) 2 nos 33kV 3C X 400 sq.mm HT source cables shall be laid & terminate from O/G of existing 33kV AIS/ GIS switchgear to 33/11 kV 20 MVA Power Transformer.</p> <p>(e) Necessary modification in both 33 kV outlets to take care of transformer protections.</p> <p>(f) Installation of 11 kV switchgear with associated accessories & SCADA panel in the vacated area.</p> <p>(g) Laying & termination of 11kV HT cables between 2 nos 33/11 kV 20 MVA Power transformer & 11 KV new switchgear.</p> <p>(h) Laying & termination of 11 KV outgoing feeders from new 11 kV switchgear.</p> <p>(i) All the switch gear panels shall be equipped with Bay Control & Protection Units (BCPUs) with standard protection arrangement. Remote operation (SCADA) of the DSS is through Optical Fibre link.</p>
Objectives/Justification	To cater the power supply requirement of the prospective consumers in Mumbai City Area and meeting universal service obligation as per Electricity Act, 2003, in line with the network rollout Order in Case No 182 of 2014 dated 12 June, 2017 ii) To provide standby supply arrangement to the consumers being fed by Backbay DSS
Funding arrangement	Funding arrangement for execution of these schemes is 70:30 Debts: Equity, as per MYT Regulations. Interest rate for normative 70% Debt is considered same as that considered in the TPC-D's MTR Petition for corresponding year of Control Period as per capitalization plan.



Time frame/phasing out of expenditure	(In Rs. Crore)				
	FY 19-20	FY 20-21	FY 21-22	IDC	Total
Capital Expenditure	9.10	14.40	13.32	-	36.82
Capitalization	4.63	9.26	22.94	1.13	37.95

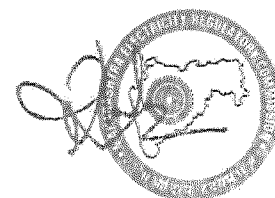
Observations / Comments on Feasibility Report

1.	Prudence of Investment / Technical Justification	<p>(a) To cater the power supply requirement of the prospective consumers in Mumbai City Area and meeting universal service obligation as per Electricity Act, 2003, in line with the network rollout Order in Case No 182 of 2014 dated 12 June, 2017.</p> <p>(b) To provide standby supply arrangement to the consumers being fed by Backbay DSS</p>
2.	Reasonability of Cost Estimate	<p>TPC-D has submitted that it follows a very detailed, systematic procurement process that ensures transparency and competition resulting in procurement of material and services at competitive prices.</p> <p>For ensuring least cost option, TPC-D follows open tendering process and the bids/ proposals from vendors are evaluated by technical and financial experts. The vendors are finalized based on the best technical and commercial offer</p>
3.	Comments on Cost Benefit Analysis	Implementation of the scheme under universal service obligation and standby supply to Backbay in case of emergency.
4.	Discrepancy/ Shortcomings Observed	Compiled by TPC-D.
5.	Remarks/Specific Comments, if any	Based on technical scrutiny and scope suggested by TPC-D, the scheme seems to be technically and commercially prudent.



Appendix -A

Sr. No.	Type	Description	Qty	Unit	Unit cost Rs.	Item Cost Rs. Lakhs
A		MATERIAL/EQUIPMENT				
1	CSS material	TRF POWER WITH OLTC,33KV/11.55KV,20MVA	2	EA	17102656.7	342.053
2	CSS material	SWGR PANEL 2I/C 1B/C,140/G BRK WITH BCU	1	EA	10932320	109.323
3	CSS material	Transformer Fire protection system (HVWS)	2	EA	800000	16
4	Cable material	CABLE 33KV AL ARM 3C,400MM2 XLPE	16500	M	2422.49	399.711
5	Cable material	CABLE 11KV AL 3C 300 SQMM XLPE	50600	M	1432.2	724.693
6	Cable material	CABLE, 1.1KV,4CX300Sq XLPE AL,PVC,AR,FRLS	150	M	985.75	1.479
7	Cable material	CABLE, 1.1KV,AR CU FRLS 14CX 2.5SQMM	250	M	247.13	0.618
8	Cable material	CABLE 96 CORE FIBRE OPTIC SINGLE MODE	200	M	99.26	0.199
9	Cable material	TILES R.C.C. 18 IN.X7 IN.X1 1/2 IN.	8400	M	50.98	4.282
10	Cable material	PAD LOCKS TYPE ES-DEL-KD	17	M	311.73	0.053
11	Cable material	JOINT 11KV HS 3C 300 SQMM XLPE	202	EA	16639.44	33.612
12	Cable material	TERMINATION 11KV HS I/D 3C 300SQMM XLPE	30	EA	5497.53	1.649
13	Cable material	JOINT 33KV HS 3C 400 SQMM XLPE	34	EA	49652.55	16.882
14	Cable material	TERM 33KV HS ID 3C 400 SQMM XLPE	6	EA	16148.3	0.969
15	Cable material	CLEAT HDPE 68MM BORE 1CX1000SQMM CB	32	EA	463.6	0.148
16	Cable material	CLEAT HDPE 88MM BORE 3CX300SQMM CBL	4	M	453.96	0.018
17	CSS material	Miscellaneous (Modification of protection circuit of 33 KV Outlet)	2	EA	500000	10
18	Cable material	PIPE HDPE 160MM DIA 7.7-8.6MM TH PN4	3000	EA	2342.55	70.277
ΣA		TOTAL MATERIAL				1731.97
B		SERVICES				
1	DSS Services	Civil Work of Substation (Power Tr foundation, modify SWGR Foundation @FF, Trf HVWS system)	2	EA	2400000	48
2	Cable Services	Cable trenching & backfilling - Internal	1400	M	2000	28



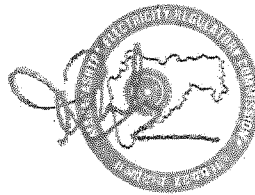
Sr. No.	Type	Description	Qty	Unit	Unit cost Rs.	Item Cost Rs. Lakhs
3	Cable Services	Cable trenching & backfilling - External	8000	M	3000	240
4	Cable Services	Cable Laying -HT	67500	M	250	168.75
5	Cable Services	Cable Laying -LT	400	M	200	0.8
6	Cable Services	Transportation charges (Power Tr-02No,SWGR Panel-01 No)	2	EA	700000	14
7	LT Services	Cable Drum (4 Drums/Truck(one shift to & fro) Per HT Drum =250 M)	115	EA	50000	57.5
8	LT Services	Installation- Transformer	2	M	200000	4
9	LT Services	Installation -Switchgear @FF	2	M	50000	1
10	LT Services	Testing - Transformer	2	EA	25000	0.5
11	LT Services	Testing- SWGR -OEM scope	0	EA	20000	0
12	LT Services	Jointing- HT	236	EA	6200	14.63
13	LT Services	Jointing - LT+ services	4	EA	6300	0.25
14	LT Services	Termination- HT	34	EA	4500	1.53
15	LT Services	Termination - LT	2	EA	2500	0.05
16	LT Services	Earthing- per Pit	9	EA	30000	2.7
17	LT Services	Installation of Trf Fire protection system	2	EA	170000	3.4
		SUB TOTAL Service				585.11
		18 % GST on Total Services cost	18%			105.32
ΣB		TOTAL Services				690.43
C		Automation				
1		RTU(Material +Service)- Per CSS with TYPE A & B[considered for max. 2 RMU]	1	EA	254500	2.55
		18 % GST on Automation cost	18%			0.46
ΣC	SCADA	TOTAL Automation				3
D		Reinstatement charges				
1		Reinstatement charges - Internal	200	M	2500	5
1		Reinstatement charges - External (Avg 2nd Yr DLP)	6000	M	16000	960



Sr. No.	Type	Description	Qty	Unit	Unit cost Rs.	Item Cost Rs. Lakhs
2		18% GST on RI charges	18%	%		173.7
Σ D	HT RI	TOTAL RI charges				1138.7
E	Admin & OH	MAN HOURS	5%	%		121.27
F	IDC	IDC component	9%	%		113
G		TOTAL(A+B+C+D+E+F):				3795

Abstract:-

Sr No	Description	In Rs. Crore
1	Procurement of Equipment and Automation	17.32
2	Services for installation	6.90
3	RI Charges	11.39
4	Staff Cost	1.21
5	IDC	1.13
	Total	37.95



DPR Closure Report

DPR Name – DPR of TPC-D for Replacement of fault prone underground cable sections in Mumbai area.

Sr. No.	Particulars	Remarks	
1.	Name of the Scheme:	DPR of TPC-D for Replacement of fault prone underground cable sections in Mumbai area	
2.	MERC Scheme Code No.:		
3.	MERC Approved Cost (Rs. Crores):	Rs. 72.75 Crores	
4.	In Principle Clearance Reference No. & Date (MERC Letter No.):	MERC/ CAPEX / 2017-18/4834 Dated on 6 th Dec 2017	
5.	Actual Progress of the Scheme: (Scope of Work as per DPR)	Approved (Rs. Crore)	Expenditure (Rs. Crore)
5.1	Up to FY 2024-25	72.75	29.17
5.2	Total	72.75	29.17
5.3	Variance, if any	43.58	
6.	Schedule Date of Completion	As per DPR	Actual
6.1	Financial Year	March -22*	March-26*
6.2	Variance, if any	For Optimization of the cost on account of RI charges, the identified cable sections are being replaced as per MCGM permission, Reliability priority and DLP factors	
7.	Objective/scope achieved for the consumer schemes	Distribution Activities of Tata Power-D in Mumbai Suburban License Area for Replacement of fault prone underground cable section in Mumbai area are carried out. Procurement of HT cables, including transportation costs, has been completed. Execution works done after obtaining excavation permissions from MCGM and other respective road-owning authorities.	
7.1	Schemes under DPR	4	
7.2	Schemes Completed	4	

*During half yearly report we have communicated revised commissioning date based on execution schedule and as per MYT plan

Encl: - Approval Letter.



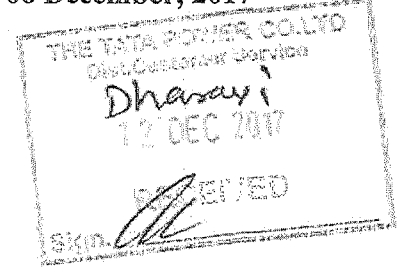
महाराष्ट्र विद्युत नियामक आयोग
Maharashtra Electricity Regulatory Commission

MERC/CAPEX/2017-18/

4834

Date: 06 December, 2017

To,
✓ The Managing Director (Distribution),
Tata Power Company Ltd.,
Dharavi Receiving Station,
Labour Camp Dharavi,
Matunga, Mumbai 400019.



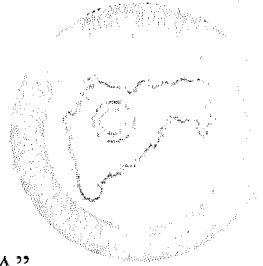
Subject: In-principle clearance for the DPR of TPC-D for "Replacement of fault prone underground cable sections in Mumbai Area"

Sir,

This has reference to your submitted DPR for "Replacement of fault prone underground cable sections in Mumbai Area", for in-principle approval to the Commission. The said scheme has been evaluated with reference to the guidelines circulated by the Commission on 9 February, 2005.

1. I am directed to convey the 'in-principle' clearance of the scheme for the Cost of Rs. 72.75 Crore as against the cost of Rs. 88.61 Crore. The particulars of the scheme as approved are outlined in the Annexure "A" and Appendix "A" attached.
2. No escalation in the unit cost has been considered.
3. Staff cost and Contingency Charges have not been considered.
4. The actual IDC shall be submitted after execution of scheme and the same may be considered, subject to prudence check.
5. Please note that this in-principle approval should not be construed as final approval for ARR purpose and the scheme will be open for scrutiny during tariff determination process/ARR review, particularly in the context of actual cost incurred, scope and objective achieved, etc., ex-post after implementation of the Scheme. TPC-D will be required to submit the status of implementation of the scheme with cost incurred till date, likely completion date, etc. along with its ARR Petition or during the tariff determination process at the appropriate time.
6. TPC-D should submit half yearly progress reports by 20th day of the first month of next half year giving the status of implementation of the Scheme in terms of expenditure incurred and item wise physical progress achieved during the implementation of the Scheme.

7. Assets created after execution of the Scheme should be maintained separately in the Asset Register.
8. Immediately after completion/commissioning of the scheme, TPC-D should communicate to the Commission the date of completion of the scheme, actual cost incurred, escalation in cost, if any, with reasons, the scope and objectives of the scheme and to what extent they have been achieved, etc., so as to facilitate a comparison between the benefits envisaged at the in-principle clearance and the actual benefits.
9. TPC-D shall endeavour to complete the project within the stipulated time frame. Further, if TPC-D fails to initiate the work, including tendering process if any, within period of one year from the date of in-principle approval, the scheme shall be deemed to be cancelled. Thereafter, TPC-D will have to take a fresh look at the scheme and be required to obtain revised in-principle approval of the Commission with justification for delay.
10. Major scope of work shall be executed through competitive bidding process only.
11. The taxes approved in the Scheme are as per previous regime and stand to be changed as applicable as per Goods and Service Tax (GST) Act.



Yours faithfully,

Pru 6/12/17
(Prafulla Varhade)
Director (EE), MERC

Encl: Annexure "A" and Appendix "A"

CC: to

Prayas Energy Group, Amrita Clinic, Athawale Corner, Lakdipool-Karve Road Junction, Deccan Gymkhana, Karve Road, Pune 411 004.	The President, Mumbai Grahak Panchayat, Grahak Bhavan, Sant Dnyaneshwar Marg, Behind Cooper Hospital, Vile Parle (West), Mumbai 400 056.
The General Secretary, Thane Belapur Industries Association, Plot No.P-14, MIDC, Rabale Village, PO Ghansoli, Navi Mumbai 400 701.	The President, Vidarbha Industries Association, 1st floor, Udyog Bhawan, Civil Lines, Nagpur 440 001.
Maharashtra Chamber of Commerce Industry & Agriculture, Oricon House, 6th Floor, 12 K. Dubash Marg, Fort, Mumbai - 400 001. (Nashik Branch)	Chamber of Marathwada Industries and Agriculture, Bajaj Bhavan, P-2, MIDC Area, Station Road, Aurangabad - 431 005. Mobile No. - 9158898076. Email - info@cmia-aurangabad.com

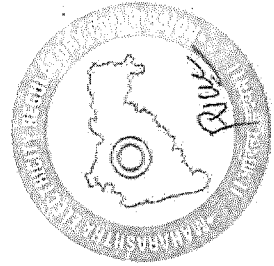
Feasibility Report for Capital Investment Scheme for TPC-D

Sl. No.	Particulars	Details
1	Title (Name of Scheme)	Replacement of Fault Prone Underground Cable sections in Mumbai License Area
2	Brief Scope of work	The replacement of 22 nos. of identified fault prone underground cable sections which includes the voltage level 11 kV, 22 kV and 33 kV
3	Objective / Justification	Replacement of identified fault prone underground cable sections which includes the voltage level 11 kV, 22 kV and 33kV to maintain and improve reliability and quality of power supply.
4	Estimated Cost	Rs. 72.75 Crore (Against the DPR cost of Rs 88.61 Crore)
5	Cost benefit analysis	Replacement of faulty cable section will increase the reliability of the system.
6	Impact on tariff	The impact on tariff is computed as under: FY 2017-18 – 0.215 paise per unit FY 2018-19- 0.604 paise per unit FY 2019-20 – 0.932 paise per unit FY 2020-21 – 1.264 paise per unit FY 2021-22 – 1.657 paise per unit
7	Proposed Funding Arrangement	Through a mix of Debt and Equity (70:30)



**Appendix -A
Cost Abstract**

Sr. No.	Description	Cost (Rs. Crore)
	Replacement of 33 kV Cable	
1	Material Charges	7.28
2	Service Charges	44.63
3	Sub-total (A)	51.91
	Replacement of 11 kV Cable	
3	Material Charges	1.20
4	Service Charges	13.57
5	Sub-total (B)	14.77
	Replacement of LT Cable	
6	Material Charges	0.52
7	Service Charges	5.55
8	Sub-total (C)	6.06
9	Staff Costs	-
10	Contingency	-
11	IDC	-
12	Total Project Cost	72.75



DPR Closure Report

DPR Name – Loading of Assets of TPC-D in Mumbai Suburban License area for FY20-21.

Sr. No.	Particulars	Remarks
1.	Name of the Scheme:	Loading of Assets of TPC-D in Mumbai Suburban License area for FY20-21
2.	MERC Scheme Code No.:	
3.	MERC Approved Cost (Rs. Crores):	Rs. 42.53Crores
4.	In Principle Clearance Reference No. & Date (MERC Letter No.):	MERC/CAPEX/2020-21/ dtd. 19.10.2020
5.	Actual Progress of the Scheme: (Scope of Work as per DPR)	Approved (Rs. Crore) Expenditure (Rs. Crore)
5.1	Up to FY 2025-26	42.53 39.34
5.2	Total	42.53 39.34
5.3	Variance, if any	3.19
6.	Schedule Date of Completion	As per DPR Actual
6.1	Financial Year	March-22 March 26
6.2	Variance, if any	Tata Power-D initiated the schemes for consumer switchover in the Mumbai Suburban area during FY 2020-21. However, progress has been delayed due to limited tariff benefits for consumers and delays in obtaining MCGM road excavation permissions.
7.	Objective/scope achieved for the consumer schemes	<ul style="list-style-type: none"> • Total 106 no. of the HT and LT Switchover (SWO) schemes in the Suburban area have been successfully executed under this DPR. The scope of work, including trenching, cable laying, jointing, termination, and commissioning of associated HT/LT network components, LMC work has been fully completed, enhancing network reliability and capacity. • Necessary excavation permissions were duly obtained from MCGM and other concerned road-owning authorities prior to execution.
7.1	Schemes under DPR	106
7.2	Schemes Completed	106

Encl: - Approval Letter



महाराष्ट्र बिद्युत नियामक आयोग
Maharashtra Electricity Regulatory Commission

MERC/CAPEX/2020-21/

Date: 19 October, 2020

To,

The Managing Director,
The Tata Power Company Ltd.,
Dharavi Receiving Station,
New Shalimar Industrial Estate,
Matunga, Mumbai -400 019

Subject: In Principal Approval to TPC-D's "Loading of Assets of TPC-D in Mumbai suburban License Area for FY 20-21" (Rs. 42.53 Cr)

Sir,

- 1 This has reference to your submitted DPR, for in principle approval to the Commission. The said scheme has been evaluated with reference to the guidelines circulated by the Commission on 9 February, 2005.
- 2 I am directed to convey the 'in-principle' clearance of the scheme. The particulars of the scheme as approved are outlined in the Annexure "A" attached.
- 3 This in-principle approval is subject to the Principles laid down and the directions issued in Case No. 182 of 2014.
- 4 Please note that this in-principle approval should not be construed as final approval for ARR purpose and the scheme will be open for scrutiny during the tariff determination process/ARR review, particularly in the context of actual cost incurred, scope and objective achieved etc., ex-post after implementation of the Scheme. TPC-D will be required to submit the status of implementation of the scheme with cost incurred till date, likely completion date, etc. along with its ARR Petition or during the tariff determination process at the appropriate time.
- 5 TPC-D should submit half yearly progress reports by 20th day of the first month of next half year giving the status of implementation of the Scheme in terms of expenditure incurred and item wise physical progress achieved during the implementation of the Scheme.

- 6 Assets created after execution of the Scheme should be maintained separately in the Asset Register.
- 7 Immediately after completion/commissioning of the scheme, TPC-D should communicate to the Commission the date of completion of the scheme, actual cost incurred, escalation in cost, if any, with reasons, the scope and objectives of the scheme and to what extent they have been achieved, etc., so as to facilitate a comparison between the benefits envisaged at the in-principle clearance and the actual benefits.
- 8 TPC-D shall endeavor to complete the project within the stipulated time frame. Further, if TPC-D fails to initiate the work, including tendering process if any, within period of one year from the date of in-principle approval, the scheme shall be deemed to be cancelled. Thereafter, TPC-D will have to take a fresh look at the scheme and be required to obtain revised in-principle approval of the Commission with justification for delay.
- 9 Major scope of work shall be executed through competitive bidding process only.
- 10 Actual infrastructure work shall be started only after receipt of application from consumer.

Yours faithfully,

Sd/-
(Dr. Rajendra G. Ambekar)
Executive Director, MERC

Encl: Annexure "A"

Annexure A

Feasibility Report for DPR of Loading of Assets of TPC-D in Mumbai suburban License Area for FY 20-21

Name of the scheme	DPR of Loading of Assets of TPC-D in Mumbai suburban License Area for FY 20-21					
Estimate cost proposed by TPC-D	Rs 87.75 Cr+ Rs 0.52 Cr (IDC)= Rs 88.27 Cr (for FY 20-21 and FY 21-22)					
In-principle approval accorded	Rs. 42.53 Crs for FY 20-21					
Cost benefit	To release supply to switchover consumers under USO in Mumbai suburb Area					
Scope of the works in brief	<p>The scope of the DPR covers following activities to switch over the consumers</p> <ol style="list-style-type: none"> 1. Installation of HT CSS at consumer premises 2. Extension of LT Service line & last Mile connectivity job. 					
Objectives/Justification	To release supply to switchover consumers under USO in Mumbai suburb Area					
Funding arrangement	Debt:Equity 70:30					
Time frame/phasing out of expenditure	S. N.	DPR Details	Financial Year	Capex in Cr	Capitalisation in Cr	IDC Not considered for approval purpose. Will be considered on actual basis at the time of Capex Scrutiny during MYT/MTR proceedings
	1	Loading of Assets of TPC-D in Mumbai suburban License Area for FY 20-21	FY 2020-21	42.53	34.02	
	2		FY 2021-22	-	8.51	
			Total	42.53	42.53	

Observations / Comments on Feasibility Report

1.	Prudence of Investment / Technical Justification	To release supply to switchover consumers under USO in Mumbai Suburb Area
2.	Reasonability of Cost Estimate	Unit rate of the material for the proposal / project planning in SAP project system is determined through a SAP based application program It is directed to follow the open tender competitive bidding process for selecting an agency for supply of these equipments, in order to ensure least cost procurement while executing the Capex proposals.
3.	Comments on Cost Benefit Analysis	To release supply to switchover consumers under USO in Mumbai Suburb Area
4.	Discrepancy/Shortcomings Observed	NIL
5.	Remarks/Specific Comments, if any	Complied by TPC-D Actual infrastructure work shall be started only after receipt of application from consumer

DPR Closure Report

Sr. No.	Particulars	Remarks	
1.	Name of the Scheme:	DPR for implementation of smart meters and data analytic for FY19, FY20 & FY21	
2.	MERC Approved Cost (Rs. Crores):	Rs. 59.75 Crs	
3.	In Principle Clearance Reference No. & Date (MERC Letter No.):	MERC/CAPEX/2019-20/106 dated 05.04.2019	
4.	Actual Progress of the Scheme: (Scope of Work as per DPR)	Approved (Rs. Crore)	Expenditure (Rs. Crore)
4.1	Upto FY 26	59.75	59.15
4.2	Total	59.75	59.15
4.3	Variance, if any	0.60 Cr.	
5.	Schedule Date of Completion	As per DPR	Actual
5.1	Financial Year	FY24	FY26
5.2	Variance, if any	YES. Start of project was delayed due to Covid Lockdown and late delivery of Smart meters from OEM due to global Shortage of Semiconductor Chips.	
6.	Objective/scope achieved for the consumer schemes	<ul style="list-style-type: none"> ➤ Eliminating manual intervention in bringing meter readings to SAP billing system. ➤ Faster detection of defective metering system. ➤ Providing Know your energy consumption facility to Consumer for tracking their consumption Trend. ➤ Remote Connect & disconnect facility. ➤ Pre-paid metering options for consumer. 	

Encl: - Approval Letter



महाराष्ट्र विद्युत नियामक आयोग
Maharashtra Electricity Regulatory Commission

MERC/CAPEX/2019-20/106

Date: 05 April, 2019

To,
Managing Director,
Tata Power Company Ltd.,
Bombay House,
34 Homi Mody Street,
Mumbai - 400001.

Subject: In-principle approval for "DPR for Implementation of Smart Meters and Data Analytic for FY 2019, FY 2020 & FY 2021" for Rs. 59.75 Crore.

Sir,

- 1 This has reference to your submitted DPR, for in principle approval to the Commission. The said scheme has been evaluated with reference to the guidelines circulated by the Commission on 9 February, 2005.
- 2 I am directed to convey the 'in-principle' clearance of the scheme for the cost of Rs. 59.75 Crs. The particulars of the scheme as approved are outlined in the Annexure "A" and Appendix "A" attached.
- 3 Please note that this in-principle approval should not be construed as final approval for ARR purpose and the scheme will be open for scrutiny during the tariff determination process/ARR review, particularly in the context of actual cost incurred, scope and objective achieved etc., ex-post after implementation of the Scheme. TPC-D will be required to submit the status of implementation of the scheme with cost incurred till date, likely completion date, etc. along with its ARR Petition or during the tariff determination process at the appropriate time.
- 4 TPC-D should submit half yearly progress reports by 20th day of the first month of next half year giving the status of implementation of the Scheme in terms of expenditure incurred and item wise physical progress achieved during the implementation of the Scheme.
- 5 Assets created after execution of the Scheme should be maintained separately in the Asset Register.

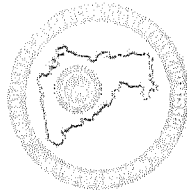
१३वा मजला, केंद्र क्र. १, जागतिक व्यापार केंद्र, कफ परेड, मुंबई - ४०० ००५.

13th Floor, Centre No. 1, World Trade Centre, Cuffe Parade, Mumbai - 400 005.

Tel.: 022-2216 3964 / 2216 3965 / 2216 3969 Fax : 022-2216 3976

E-mail : mercindia@merc.gov.in / mercindia@mercindia.org.in Website : www.merc.gov.in / www.mercindia.org.in

- 6 Immediately after completion/commissioning of the scheme, TPC-D should communicate to the Commission the date of completion of the scheme, actual cost incurred, escalation in cost, if any, with reasons, the scope and objectives of the scheme and to what extent they have been achieved, etc., so as to facilitate a comparison between the benefits envisaged at the in-principle clearance and the actual benefits.
- 7 TPC-D shall endeavor to complete the project within the stipulated time frame. Further, if TPC-D fails to initiate the work, including tendering process if any, within period of one year from the date of in-principle approval, the scheme shall be deemed to be cancelled. Thereafter, TPC-D will have to take a fresh look at the scheme and be required to obtain revised in-principle approval of the Commission with justification for delay.
- 8 Major scope of work shall be executed through competitive bidding process only.



Yours faithfully,

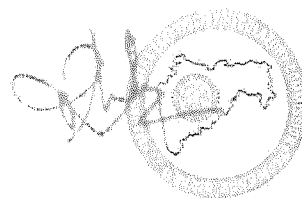
A handwritten signature in black ink, appearing to read 'R. Ambekar', is written over a horizontal line.

(Dr. Rajendra Ambekar)
Executive Director, MERC

Encl: Annexure "A" and Appendix "A"

Annexure A

Name of the scheme	Implementation of Smart Meters and Data Analytic for FY 2019, FY 2020 & FY 2021.					
Estimated cost proposed by Tata Power-D	Rs. 63.98 Crore with IDC					
In-principle approval accorded	Rs. 59.75 Crore with IDC					
Cost benefit	Implementation of the scheme will save Rs. 51.73 per meter and total Annual saving of Rs. 2.15 Crs, also with the use of smart meters, technical loss and commercial loss, collection efficiency, billing accuracy and system reliability of TPC-D will improve.					
Scope of the works in brief	<p>As National Tariff Policy mandates the installation of smart meters, Tata Power-D has proposed to install smart meters to its consumers in phased manner. This DPR covers all the activities required for implementation of smart metering for Tata Power consumers.</p> <p>Broadly it includes:</p> <ol style="list-style-type: none"> 1. Replacement of traditional meters by Smart meters having connect disconnect features including prepaid meters. 2. Meter data management software 3. Data Analytic system 4. Back-end IT infrastructure 					
Objectives/Justification	Objective of this DPR is to rollout smart metering infrastructure in Tata Power-D Mumbai licence area as directed in the National Tariff Policy dated 28th January 2016 and draft national Tariff policy dated 30th May 2018.					
Funding arrangement	Funding arrangement for execution of these schemes is 70:30 Debts: Equity, as per MYT Regulations. Interest rate for normative 70% Debt is considered same as that considered in the TPC-D's MTR Petition for corresponding year of Control Period as per capitalization plan.					
Time frame/phasing out of expenditure	(In Rs. Crore)					
	FY 19-20	FY 20-21	FY 21-22	FY 23-24	Total	
Capital Expenditure	30.51	13.19	14.89	-	58.59	
Capitalization	24.41	10.77	14.92	9.66	59.75	



Observations / Comments on Feasibility Report

1.	Prudence of Investment / Technical Justification	As per National Tariff Policy dated 28 January, 2016 and draft National Tariff Policy dated 30 May, 2018, and as per the guidelines issued by CEA for AMI , the proposal found in line.
2.	Reasonability of Cost Estimate	TPC-D has submitted that it follows a very detailed, systematic procurement process that ensures transparency and competition resulting in procurement of material and services at competitive prices. For ensuring least cost option, TPC-D follows open tendering process and the bids/ proposals from vendors are evaluated by technical and financial experts. The vendors are finalised based on the best technical and commercial offer
3.	Comments on Cost Benefit Analysis	Implementation of the scheme will save Rs. 51.73 per meter and total Annual saving of Rs. 2.15 Crs, also with the use of smart meters, technical loss and commercial loss, collection efficiency, billing accuracy and system reliability of TPC-D will improve.
4.	Discrepancy/ Shortcomings Observed	Compiled by TPC-D.
5.	Remarks/Specific Comments, if any	Based on technical scrutiny and scope suggested by TPC-D, the scheme seems to be technically and commercially prudent.



Appendix –A

For FY 19-20:-

Cost estimate for FY 19-20										
Sr No	Meter Type	Smart Meters to be Installed	Unit Price of Meter	Taxes	Gross Price	Rate of meter Replacement	Total Cost of Meter	Total Cost of meter replacement	Total Cost	
		No	Rs.	%	Rs.	Rs.	Rs. Crs	Rs. Crs	Rs. Crs	
A	For Replacement of Meters									
	Single	1246	3223	18%	3803.14	200	0.47	0.02	0.54	
	WC	372	6606	18%	7795.08	500	0.29	0.02	0.31	
	HTCT	116	8670	18%	10230.6	500	0.12	0.01	0.13	
	LTCT	21	8670	18%	10230.6	500	0.02	0.001	0.02	
	Total	1755					0.90	0.05	0.95	
B	For New Meters									
	Single	9585	3223	18%	3803.14		3.65			
	WC	9585	6606	18%	7795.08		7.47			
	HTCT	30	8670	18%	10230.6		0.03			
	LTCT	800	8670	18%	10230.6		0.82			
	Total	20000					11.97		11.97	
C	Total For Smart Meters (including cost of meter replacement)									12.92
D	Software and Hardware cost									5
E	Communication Cost									2
F	Wiring Modification and board wiring cost (Rs. 700 x 1755)									0.12
G	Cost of tools									1
H	Cost towards employee training									0.5
I	Data analytics cost									4.25
J	Consultancy charges									5
K	Sub Total									30.79



For FY 20-21 and FY 21-22:-

Cost estimate for FY 20-21 and FY 21-22										
Sr No	Meter Type	Smart Meters to be Installed	Unit Price of Meter	Taxes	Gross Price	Rate of meter Replacement	Total Cost of Meter	Total Cost of meter replacement	Total Cost	
		No	Rs.	%	Rs.	Rs.	Rs. Crs	Rs. Crs	Rs. Crs	
A	For Replacement of Meters									
	Single	2492	3223	18%	3803.14	200	0.95	0.05	1.00	
	WC	744	6606	18%	7795.08	500	0.58	0.04	0.62	
	HTCT	232	8670	18%	10230.6	500	0.24	0.01	0.25	
	LTCT	42	8670	18%	10230.6	500	0.04	0.00	0.05	
	Total	3510					1.81	0.10	1.91	
B	For New Meters									
	Single	19170	3223	18%	3803.14		7.29			
	WC	19170	6606	18%	7795.08		14.94			
	HTCT	60	8670	18%	10230.6		0.06			
	LTCT	1600	8670	18%	10230.6		1.64			
C	Total	40000					23.93		23.93	
D	Wiring Modification and board wiring cost (Rs. 700/- x 3510)									0.2457
E	Total cost fro FY 20-21 and FY 21-22									26.09

Abstract:-

Total DPR Cost	
Year	Cost in Rs. Crs
FY 19-20	30.79
FY 20-21 and FY 21-22	26.09
Sub Total	56.88
Contingency cost 3%	1.71
Total Cost	58.59
IDC	1.16
Total Cost	59.75

