



MADHYA PRADESH POWER GENERATING COMPANY LTD.

PETITION FOR DETERMINATION MULTI YEAR GENERATION TARIFF OF POWER STATIONS OF MPPGCL FOR CONTROL PERIOD FY 2024-25 TO FY 2028-29.

(U/s 62 and 86 (1)(a) of the Electricity Act, 2003)

Petition No.: of 2024



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**BEFORE THE HON'BLE MADHYA PRADESH ELECTRICITY
REGULATORY COMMISSION, BHOPAL**

Filing No. _____
Petition No. _____ of 2024

IN THE MATTER OF

Petition for Determination of Multi Year Generation Tariff of Power Stations of MPPGCL for the Control Period FY 2024-25 to FY 2028-29 under Section 62 & 86(i)(a) of Electricity Act 2003, based on MPERC (Terms and Conditions for determination of Generation Tariff), Regulations, 2024.

AND

IN THE MATTER OF


Madhya Pradesh Power Generating Company Limited,
Shakti Bhawan,
Rampur, Jabalpur.

AFFIDAVIT

I, Sallu Choudhary, S/o Late Shri B.L. Choudhary, aged about 57 years, Superintending Engineer, O/o Chief Engineer (Corporate Services), Madhya Pradesh Power Generating Company Limited at Jabalpur (M.P.) do solemnly affirm and say as follows :-

I. That I am working as Superintending Engineer, O/o Chief Engineer (Corporate Services), MPPGCL, Block No. 9, Shakti Bhawan, Rampur, Jabalpur and I am duly authorized by the MPPGCL to make this affidavit on its behalf.

II. The statement made in paragraphs (1) to (23) of the petition herein shown to me are true to the best of my knowledge and the statement made are based on the information/documents available and I believe them to be true.





GOVT. OF M.P.

III. Solemnly affirm at Jabalpur on this 4th October 2024 that the contents of the above Affidavit are based on the documents available and true to the best of my knowledge, no part of it is false and no material has been concealed there from.

- 4 OCT 2024

Saill Choudhary
DEPONENT

VERIFICATION

I, Saill Choudhary, the above named deponent do hereby verify that the contents of para I to III of this affidavit are true to the best of my personal knowledge. Signed and verified by me at Jabalpur on 4th October 2024.

Saill Choudhary
DEPONENT

- 4 OCT 2024

Solemnly affirmed before me
Declared before me as under
Shri/Smt. *Saill Choudhary*
S/o, W/o, D/o Shri. *late B.L. Choudhary*
aged about *57* yrs. Occupation *Subdt. Engineer*
Resident of *op. Chief Engineer (Corporate Services)*
Who is personally known to me/has been duly identified by *M.P. Generating Co. Ltd. Jabalpur*

Signature of identifier *M. Gupta*
NOTARY *10/10/24*

Notarial Register *II*
Sr No. *2032* Dt. *4/10/24* **Uttam Chand Gupta**
Notary
Jabalpur District
M.P. INDIA

NOI
Uttam Chand
1908, Madan Mahal
Civil Distt. Jabalpur
M.P. 24/13/JBP.
4321 & (24/13/2022)
GOVT. OF M.P. II

NOTARY
Uttam Chand Gupta
1908, Madan Mahal
Civil Distt. Jabalpur
M.P. 24/13/JBP.
4321 & (24/13/2022)
GOVT. OF M.P. INDIA

- 4 OCT 2024



MP POWER GENERATING COMPANY LTD

O/o EXECUTIVE DIRECTOR (HR&A)

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No. E.D.(HR&A)/MPPGCL/LS/ M-11/5009

Jabalpur Date: 04 OCT 2024

ORDER

The Madhya Pradesh Power Generating Company Limited (MPPGCL), Jabalpur is pleased to authorize Shri Salil Choudhary, Superintending Engineer (Corporate Services), MPPGCL, Jabalpur to act as Officer-In-Charge on behalf of Madhya Pradesh Power Generating Company Limited, Jabalpur to execute and authenticate by his signature, all paper and documents to be filed and represent the petition for determination of Multi Year Generation Tariff of Power Stations of MPPGCL for the Control period FY 2024-25 to FY 2028-29, before Madhya Pradesh Electricity Regulatory Commission, Bhopal.

(D.K. Kashyap)

CHIEF ENGINEER (HR&A)
MPPGCL : JABALPUR



**BEFORE THE M.P. ELECTRICITY REGULATORY COMMISSION
BHOPAL**

Petition No. of 2024

IN THE MATTER OF

Petition for Determination of Multi Year Generation Tariff of Power Stations of MPPGCL for the Control Period FY 2024-25 to FY 2028-29 under Section 62 & 86(i)(a) of the Electricity Act 2003 based on MPERC (Terms and Conditions for Determination of Generation Tariff) Regulations, 2024.

Madhya Pradesh Power Generating Company Ltd, Jabalpur.

: Petitioner

Vs

1. M.P. Power Management Company Ltd., Jabalpur.
2. M.P. Power Transmission Co. Ltd., Jabalpur.
3. Rajasthan Rajya Vidyut Prasaran Nigam Ltd., Jaipur.
4. Uttar Pradesh Power Corporation Ltd., Lucknow.
5. MSEB (Holding Co) & Maharashtra State Transmission Co. Ltd, Mumbai

: Respondents

The above named petitioner Madhya Pradesh Power Generating Company Ltd. respectfully submits as under:-

1. The petitioner is a wholly owned company of Government of M.P. engaged in generation of electricity in the State of Madhya Pradesh. It is a successor entity of erstwhile Madhya Pradesh State Electricity Board (MPSEB).
2. The Company has been incorporated as part of implementation of the power sector reform in M.P. initiated by the Government of MP. The Company has taken over the generation activities of MPSEB. The company while operating and maintaining its existing Units is also constructing new power plants for increase in generating capacity in the State of Madhya Pradesh. The Company is registered under Companies Act 1956 and was incorporated on 22.11.2001. Its registered office is at Shakti Bhawan, Rampur, Jabalpur.
3. Earlier, the activities of Generation, Transmission and Distribution in the State of M.P. were looked after by the integrated utility i.e.



MPEB/ MPSEB constituted under Section 5 of Electricity (Supply) Act 1948. The Government of MP enacted M.P. Vidyut Sudhar Adhiniyam 2000 and in the spirit of said Act the unbundling process of MPEB/MPSEB was initiated by registering the following five Companies:-

- (i) Madhya Pradesh Power Generating Co. Ltd., Jabalpur (MPPGCL) (GENCO).
 - (ii). Madhya Pradesh Power Transmission Co. Ltd., Jabalpur (MPPTCL) (TRANSCO).
 - (iii). Madhya Pradesh Poorva Kshetra Vidyut Vitaran Company Ltd. Jabalpur (MPPKVVCL) (EAST DISCOM).
 - (iv). Madhya Pradesh Madhya Kshetra Vidyut Vitaran Company Ltd. Bhopal. (MPMKVVCL) (CENTRAL DISCOM).
 - (v). Madhya Pradesh Paschim Kshetra Vidyut Vitaran Company Ltd. Indore (MPPKVVCL) (WEST DISCOM).
4. The above mentioned five companies which were registered in November 2001 entered into Operation & Management Agreement with erstwhile MPSEB. These companies worked as agent of MPSEB from July 2002 to May 2005. The companies started independent functioning w.e.f. 01.06.2005 under Cash Flow Mechanism as per State Government order dated 31.5.2005.
5. A Sixth Company, namely MP Power Trading Company Ltd. (TRADECO) was incorporated as per the State Government Notification dated 03.06.2006 specifying functions of TRADECO for purchase of electricity in bulk from Generating Companies / Traders, from within & outside the State and supply electricity in bulk to the Electricity Distribution Companies in the State of Madhya Pradesh.
6. GoMP vide letter No. 6074/13/12/02 dated 29.03.2012 has changed the name of MP Power Trading Company Ltd to MP Power Management Company Ltd (MPPMCL) and it has been made the holding company for all the DISCOMS of MP. Further, GoMP vide



its notification dated 26.04.2012 has merged M.P. State Electricity Board with MP Power Management Company Ltd.

7. MPPMCL and three DISCOMS of MP have entered into a management and corporate functions agreement on 05.06.2012, whereby three DISCOMS have engaged MPPMCL to represent them in all the proceedings relating to power procurement and tariff petitions filed or to be defended before CERC, MPERC and other regulatory authorities, Appellate Tribunals, High Courts, Supreme Court and CEA etc. Therefore, three DISCOMS have not been made as respondents, separately.
8. Rajasthan Rajya Vidyut Prasaran Nigam Ltd. (RRVPL), Jaipur, (hereinafter referred as Respondent No. 3) has 50% share in Gandhi Sagar Hydro Power Station operated by MPPGCL. At the same time, MPPGCL has 50% share in the Ranapratap Sagar Hydro Power Station and Jawahar Sagar Hydro Power Station operated by the Respondent No. 3. Similarly Uttar Pradesh Power Corporation Ltd (UPPCL), Lucknow (hereinafter referred as Respondent No. 4) has 40.32% share in Rajghat Hydro Power Station and MSEB (Holding Co) & Maharashtra State Transmission Co. Ltd, Mumbai (hereinafter referred as Respondent No. 5) has 33.3% share in Pench Hydro Power Station operated by MPPGCL.
9. GoMP vide its notification dated 03.06.2006 has provided that MP Tradeco, now MP Power Management Company Ltd (MPPMCL), shall purchase entire power from MPPGCL at the tariff to be determined by MPERC.
10. MPPGCL entered into Power Purchase Agreements (PPAs) with MP Tradeco (now MPPMCL) on 29.11.2006 for existing power stations and on 04.01.2011 for new Thermal Power Stations. Further, the first amendment to the Power Purchase Agreement (PPA) dated 29.11.2006 towards Purchase of Power from then existing and ongoing Thermal and Hydel Units of M. P. Power Generating Company Limited, has been signed on 18.07.2017 at Jabalpur. This First Amendment in Agreement provides term period till



retirement/ decommissioning of all Thermal and Hydel Power Stations of MPPGCL listed in the agreement. The PPAs for new power stations have also been amended from time to time. These PPAs provide that the tariff payable by MPPMCL to MPPGCL and terms & conditions related thereto shall be as determined by the State Commission. MPPGCL has accordingly been raising the bills of energy sold to Tradeco since 1.6.2005 as per the tariff determined by Hon'ble Commission from time to time.

11. Hon'ble Commission has notified MPERC (Terms & Conditions for Determination of Generation Tariff) Regulations, 2024 {RG-26 (V) of 2024} on 05.07.2024. This regulation is based on multiyear tariff principles and has incorporated norms of operation for control period FY 2024-25 to FY 2028-29. Accordingly, this petition for determination of Multi Year generation tariff of power stations being operated by MPPGCL for FY 2024-25 to FY 2028-29 has been prepared, as per the aforesaid MPERC (Terms & Conditions for Determination of Generation Tariff) Regulations, 2024 {RG-26 (V) of 2024}.
12. The performance parameters and other Tariff elements have been duly elaborated in the instant petition. Based on these, the power station wise tariff has been determined under three heads:
 - a) Energy Charges
 - b) Capacity Charges
 - c) Other charges
13. The PH-2 & 3 , STPS Sarni (830MW) has already completed its useful life & operational life. Presently, the Units of this power station have been kept under Forced Outage condition since FY 2021-22. MPPGCL has approached Energy Department, Government of Madhya Pradesh for its retirement / De-commissioning. The approval of Government of Madhya Pradesh is still awaited. Therefore, in the instant petition the tariff of STPS PH-2&3, Sarni has been considered on Normative Parameters. If de-commissioning is approved by Government of Madhya Pradesh, MPPGCL shall



suitably intimate Hon'ble Commission for its exclusion from Multi Year Tariff.

14. In the instant petition, MPPGCL has considered the Opening Gross Block, Normative Loans and Equity amount as per MPERC Trueup Tariff Order for FY 2022-23, dated 07.03.2024.
15. The Hon'ble Commission in MPERC (Terms and Conditions for Determination of Generation Tariff) Regulations, 2024, Regulation 6.3, has allowed the Thermal and Hydel Power Stations to submit the estimated Additional Capital Expenditure for the respective years of Tariff period FY 2024-25 to FY 2028-29.

MPPGCL has identified few capital works to be taken up for better performance of the Power Stations for providing reliable and continuous generation as per norms. Accordingly, the names of identified schemes/ systems/ items to be taken up for execution in different years of the tariff period FY 2024-25 to FY 2028-29 and proposed for Additional Capital expenditure at respective power stations are being submitted for consideration please.

However, as per the directive of Hon'ble Commission mentioned in MYT order dated 19.05.2021 passed in Petition No. 53 of 2020, MPPGCL shall claim Additional Capital expenditure on the basis of actual audited expenses captured and capitalized in Books of Account at the time of True up for the respective Years for the respective Power Stations. Hence, no claim on account of proposed Additional Capitalization has been considered in this petition.

16. For Renovation and Modernization of Hydel Power Stations, MPPGCL shall approach Hon'ble Commission for its approval through separate petitions.
17. At present, expenditure towards Pension & Terminal benefits of all the Companies, i.e., nbv unbundled entities of MPSEB are being allowed in the MYT/ True up of Transmission Licensee, i.e., MPPTCL on 'pay as you go' principle, subject to true-up in each year on availability of actual figures. Accordingly, MPPGCL has not claimed these expenses in this Multi Year Tariff petition. However,



in future, in case of change in Law or in case of any order of Government of MP in this regard, the same shall be claimed by MPPGCL, accordingly.

18. In the instant petition the projected Other Charges namely MPERC Fees, Water Charges, Rent Rate & Taxes, Security Expenses and Expenses towards Fly Ash Utilization and Transportation, for FY 2024-25 to FY 2028-29 have been considered. MPPGCL humbly requests Hon'ble Commission to kindly permit the same.

The expenses towards the duties, levies payable to the Government, EL encashment, Arrears paid to Employees if any, Publication Expenses, Other Statutory Charges, etc., levied by various authorities on the petitioner in accordance with the Acts, Rules, Regulations, Law, etc shall be claimed separately by MPPGCL on actuals at the time of True up of respective years.

19. The Regulation 14 of MPERC (Terms and Conditions for Determination of Generation Tariff) Regulations, 2024 {RG-26 (V) of 2024}, provides that the tariff for supply of electricity from a thermal generating station shall comprise two parts, namely, Capacity Charges (for recovery of Annual Fixed Cost consisting of the components as specified in Regulation 15 of these Regulations) and Energy Charges (for recovery of primary and secondary fuel cost as specified in Regulation 16 of these Regulations).
20. Similarly, the tariff for supply of electricity from a hydro generating station shall comprise Capacity Charge and Energy charge to be derived in the manner specified in Regulation 45 of MPERC (Terms and Conditions for Determination of Generation Tariff) (Revision-V) Regulations, 2024, for recovery of annual fixed cost consisting of the components referred to in Regulation 15 of these Regulations.
21. Accordingly, the cost elements of Tariff for FY 25 to FY 29 have been computed in pursuance with MPERC (Terms and Conditions for Determination of Generation Tariff) (Revision-V) Regulations, 2024 {RG-26 (V) of 2024}. The power station wise details of Fixed Charges, Other Charges and Energy Charge Rate are tabulated hereunder:-



Station wise Breakup of Tariff Components for FY 2024-25

Table 21.1

Power Station	Capacity Charges (Rs. Cr.)	Other Charges (Rs. Cr.)	Energy Charges (Rs. Cr.)	Scheduled Energy Normative (MU)	Energy Charge (Rs./Unit)
ATPS PH 3	167.71	15.52	297.58	1419	2.097
STPS PH-2&3	465.60	40.93	1652.18	4581	3.607
STPS PH-4	614.90	24.84	1048.92	3407	3.079
SGTPS PH 1&2	544.83	50.58	1434.75	4967	2.889
SGTPS PH 3	309.59	28.90	916.96	3509	2.613
SSTPP PH-1	1237.15	178.65	2808.25	8466	3.317
SSTPP PH-2	1352.89	186.95	2857.14	9313	3.068
Total Thermal	4692.67	526.37	11015.78	35661	
Gandhi Sagar	17.14	27.79			
Pench	30.98	0.75			
Rajghat	12.60	0.20			
Bargi	18.66	24.37			
Bansagar PH-1,2&3	132.97	28.69			
Bansagar PH-4	10.04	1.93			
Madhikhedha	19.95	5.63			
Birsinghpur	5.95	1.15			
Total Hydro	248.30	90.50			
Total	4940.97	616.87			

Station wise Breakup of Tariff Components for FY 2025-26

Table 21.2

Power Station	Capacity Charges (Rs. Cr.)	Other Charges (Rs. Cr.)	Energy Charges (Rs. Cr.)	Scheduled Energy Normative (MU)	Energy Charge (Rs./Unit)
ATPS PH 3	166.75	15.92	297.58	1419	2.097
STPS PH-2&3	481.26	41.19	1652.18	4581	3.607
STPS PH-4	608.76	25.03	1048.92	3407	3.079
SGTPS PH 1&2	569.90	41.95	1434.75	4967	2.889
SGTPS PH 3	309.37	24.13	916.96	3509	2.613
SSTPP PH-1	1216.28	174.26	2808.25	8466	3.317
SSTPP PH-2	1335.90	182.61	2857.14	9313	3.068
Total Thermal	4688.22	505.08	11015.78	35661	
Gandhi Sagar	18.03	28.73			
Pench	32.00	0.87			
Rajghat	12.87	0.27			
Bargi	19.29	25.22			
Bansagar PH-1,2&3	134.95	30.26			
Bansagar PH-4	10.14	2.03			
Madhikhedha	20.04	5.88			
Birsinghpur	6.07	1.21			
Total Hydro	253.40	94.48			
Total	4941.62	599.56			



Station wise Breakup of Tariff Components for FY 2026-27

Table 21.3

Power Station	Capacity Charges (Rs. Cr.)	Other Charges (Rs. Cr.)	Energy Charges (Rs. Cr.)	Scheduled Energy Normative (MU)	Energy Charge (Rs./Unit)
ATPS PH 3	166.44	16.11	297.58	1419	2.097
STPS PH-2&3	497.75	42.28	1652.18	4581	3.607
STPS PH-4	603.25	25.70	1048.92	3407	3.079
SGTPS PH 1&2	583.23	43.10	1434.75	4967	2.889
SGTPS PH 3	311.75	24.82	916.96	3509	2.613
SSTPP PH-1	1196.27	169.13	2808.25	8466	3.317
SSTPP PH-2	1319.84	177.43	2857.14	9313	3.068
Total Thermal	4678.53	498.59	11015.78	35661	
Gandhi Sagar	18.98	29.58			
Pench	33.09	0.87			
Rajghat	13.15	0.27			
Bargi	19.96	26.04			
Bansagar PH-1,2&3	137.23	31.46			
Bansagar PH-4	10.26	2.11			
Madhikhedha	20.17	6.04			
Birsinghpur	6.21	1.26			
Total Hydro	259.05	97.64			
Total	4937.58	596.22			

Station wise Breakup of Tariff Components for FY 2027-28

Table 21.4

Power Station	Capacity Charges (Rs. Cr.)	Other Charges (Rs. Cr.)	Energy Charges (Rs. Cr.)	Scheduled Energy Normative (MU)	Energy Charge (Rs./Unit)
ATPS PH 3	166.56	16.28	298.39	1423	2.097
STPS PH-2&3	515.09	44.46	1656.71	4593	3.607
STPS PH-4	598.34	27.03	1051.79	3416	3.079
SGTPS PH 1&2	598.76	48.53	1438.68	4981	2.889
SGTPS PH 3	316.95	27.89	919.48	3519	2.613
SSTPP PH-1	1177.16	126.58	2815.95	8489	3.317
SSTPP PH-2	1304.69	133.59	2864.97	9338	3.068
Total Thermal	4677.54	424.36	11045.96	35759	
Gandhi Sagar	19.98	30.42			
Pench	34.29	0.87			
Rajghat	13.47	0.27			
Bargi	20.69	26.85			
Bansagar PH-1,2&3	139.68	32.63			
Bansagar PH-4	10.38	2.20			
Madhikhedha	20.33	6.19			
Birsinghpur	6.35	1.32			
Total Hydro	265.17	100.75			
Total	4942.71	525.10			



Station wise Breakup of Tariff Components for FY 2028-29

Table 22.5

Power Station	Capacity Charges (Rs. Cr.)	Other Charges (Rs. Cr.)	Energy Charges (Rs. Cr.)	Scheduled Energy Normative (MU)	Energy Charge (Rs./Unit)
ATPS PH 3	167.35	17.02	297.58	1419	2.097
STPS PH-2&3	533.37	45.73	1652.18	4581	3.607
STPS PH-4	594.24	27.81	1048.92	3407	3.079
SGTPS PH 1&2	615.92	49.84	1434.75	4967	2.889
SGTPS PH 3	323.42	28.67	916.96	3509	2.613
SSTPP PH-1	1159.15	128.64	2808.25	8466	3.317
SSTPP PH-2	1290.54	135.85	2857.14	9313	3.068
Total Thermal	4684.00	433.56	11015.78	35661	
Gandhi Sagar	21.03	31.26			
Pench	35.57	0.87			
Rajghat	13.81	0.27			
Bargi	21.46	27.66			
Bansagar PH-1,2&3	142.57	33.80			
Bansagar PH-4	10.52	2.28			
Madhikhedha	20.57	6.34			
Birsinghpur	6.51	1.37			
Total Hydro	272.04	103.85			
Total	4956.04	537.42			

22. The Element wise break up of Energy Charges, Capacity Charges and Other Charges as determined in accordance to MPERC (Terms and Conditions for Determination of Generation Tariff) (Revision-V) Regulations, 2024 is tabulated below:-



Element wise Variable Cost, Capacity Charges and Other Charges for FY 25 to FY 29.

Table 22.1

in Rs. Crores

Particulars	Elements	FY 25	FY 26	FY 27	FY 28	FY 29
Energy Charges	Coal & Sec. Oil Cost	11015.78	11015.78	11015.78	11045.96	11015.78
Capacity Charges	Return on Equity	829.12	829.12	829.12	829.12	829.12
	Depreciation	999.02	987.22	978.18	970.64	964.38
	Interest on Loan capital	714.62	616.67	520.73	427.19	334.49
	O&M Expenses	1758.63	1851.23	1948.71	2051.33	2159.35
	Interest on Working Capital	474.64	477.84	481.30	484.90	489.17
	Special Allowance	164.93	179.53	179.53	179.53	179.53
Sub Total		4940.97	4941.62	4937.58	4942.71	4956.04
Other Charges		616.87	599.56	596.22	525.10	537.42
Total (Capacity Charges + Other Charges)		5557.84	5541.18	5533.80	5467.81	5493.45

23. It is humbly requested before Hon'ble Commission to kindly permit the same.



PRAYER

In the light of the above submissions, the Petitioner respectfully prays that Hon'ble Commission may be pleased to:-

- a. Determine the generation tariff of power stations of MPPGCL for FY 2024-25 to FY 2028-29.
- b. Permit additional recovery on actual payment basis, on account of MPERC Fees, Water Charges, Rent Rate & Taxes, Security Expenses and Expenses towards Fly Ash Utilization and Transportation etc., as per MPERC (Terms and Conditions for Determination of Generation Tariff) (Revision-V) Regulations, 2024.
- c. Permit recovery of Special Allowance for STPS PH-2&3, Sarni and SGTPS PH-1&2, Birsinghpur for FY 2024-25 to FY 2028-29.
- d. Permit other charges understated / not considered in this petition at a later stage, if required.
- e. Take note of estimated/projected asset additions during FY 2024-25 to FY 2028-29 as submitted herein, in accordance with MPERC (Terms and Conditions for Determination of Generation Tariff) (Revision-V) Regulations, 2024.
- f. Condone any delay/ inadvertent omissions / errors / short comings and permit the applicant to add / change / modify / alter this filing and make further submissions as may be required at later stages.
- g. Pass such orders as Hon'ble MPERC finds appropriate in light of the facts and circumstances of the case, to grant relief to the Petitioner.

Date : 04 /10/20204
Place: Jabalpur

(Salil Choudhary)
Officer-In-Charge & SE (CS)
For and on behalf of,
MP Power Generating Co. Ltd.
Jabalpur.



5. Installed Capacity

5.1 Installed Generation Capacity of MPPGCL (Existing):-

The installed capacity (of MPPGCL), as on 01.04.2024, is 6328.58 MW (including its share in bilateral interstate projects), consisting of 5400 MW Thermal, 921.58 MW Hydro power and 7 MW Ground Mounted Solar PV Power plant. The plant wise details are as under:-

Table 5.1.1 Details of Power Plants as on 01.04.2024

Power Station				Installed Capacity (MW)			
				Total		MPPGCL Share	
Thermal Power Stations	1	Amarkantak Thermal Power Station (Chachai)	PH 3	1 x 210 =	210	100%	210
			Complex		210	100%	210
	2	Satpura Thermal Power Station (Sarni)	PH 2	200 + 210 =	410	100%	410
			PH 3	2 x 210 =	420	100%	420
			PH 4	2x250=	500	100%	500
			Complex		1330	100%	1330
	3	Sanjay Gandhi Thermal Power Station (Birsinghpur)	PH 1	2 x 210 =	420	100%	420
			PH 2	2 x 210 =	420	100%	420
			PH 3	1 x 500 =	500	100%	500
			Complex		1340	100%	1340
	4	Sri Singaji Thermal Power Station (Khandwa)	PH 1	2 x 600=	1200	100%	1200
			PH 2	2 x 660=	1320	100%	1320
			Complex		2520	100%	2520
	5	Total Thermal Generation			5400	100%	5400
	Hydro Power Stations	1	Chambal HPS	Gandhi Sagar	5 x 23 =	115	50%
R.P. Sagar				4 x 43 =	172	50%	86.0
Jawahar Sagar				3 x 33 =	99	50%	49.5
Complex					386	50%	193
2		Pench Totladoh HPS		2 x 80 =	160	66.70%	106.72
3		Bansagar HPS	Tons	3 x 105 =	315	100%	315
			Silpara	2 x 15 =	30	100%	30
			Devlond	3 x 20 =	60	100%	60
			Jhinna (SHP)	2 x 10=	20	100%	20
			Complex		425	100%	425
4		Birsinghpur HPS		1 x 20 =	20	100%	20
5		Bargi HPS		2 x 45 =	90	100%	90
6		Rajghat HPS		3 x 15 =	45	59.68%	26.86
7	Madhikheda HPS		3 x 20=	60	100%	60	
8	Total Hydro Generation			1186		921.58	
1	Ground Mounted Solar PV Plant	Rataguradiya	1x7=	7	100%	7	
Total Generation				6593		6328.58	



5.2 Generation Capacity Operated by MPPGCL:-

As on 01.04.2024, MPPGCL is operating 6322 MW, consisting of 5400 MW thermal, 915.0 MW Hydro power and 7 MW Solar Power Project. Apart from this 128.9 MW capacity, belong to other States. The plant wise details are as under:-

Table 5.2.1 Generation Capacity Operated by MPPGCL as on 01.04.2024

Station	Installed Capacity	MP Share	Other State's Share		
			MW	%	State's Name
ATPS Chachai	210	210	0		
STPS Sarni PH 2,3&4	1330	1330	0		
SGTPS Birsinghpur	1340	1340	0		
SSTPP Khandwa	2520	2520	0		
Total Thermal	5400	5400	0		
Gandhi Sagar	115	57.5	57.5	50.00%	Rajasthan
Pench	160	106.7	53.3	33.31%	Maharashtra
Bansagar Complex	425	425	0		
Birsinghpur	20	20	0		
Madhikheda	60	60	0		
Bargi	90	90	0		
Rajghat	45	26.9	18.1	40.32%	Uttar Pradesh
Total Hydro	915	786.1	128.9		
MPPGCL Solar Power Project	7	7			
Total Capacity	6322	6193.1	128.9		

5.3 Annual Statement of Accounts:-

The Annual Statement of Accounts for FY 2022-23 has been prepared on the basis of Indian Accounting Standards (IndAS) prescribed under Section 133 of the Companies Act read with the rule 3 of Companies (Indian Accounting Standard) Rules, 2015 and Companies (Indian Accounting Standard) amendment Rules, 2016. The copy of Audited Annual Statement of accounts for FY 2022-23 has already been submitted before Hon'ble Commission with Trueup Tariff Petition for FY 2022-23. These accounts are on share basis, the same has been factored to represent 100% capacity by MPPGCL.

The Annual Statement of Accounts of MPPGCL for the FY 2023-24 are under finalization and same shall be submitted before Hon'ble Commission along with True up petition for FY 2023-24.



5.4 Capacity Addition, ERP and Future R&M Plans:-

5.4.1 On-going New Projects:-

(a) 1x660 MW ATPS, Chachai, Distt. Anuppur (M.P.)

MPPGCL intends to install 1x660 MW coal based Ultra-Supercritical thermal unit in place of already decommissioned units of PH-I (1x20 MW + 1x30 MW) & PH-II (2x120 MW) at Amarkantak Thermal Power Project, Chachai, Distt. Anuppur (M.P.). In this regard, Govt. of M.P. has conveyed their Administrative approval for installation of unit through formation of Joint Venture Company between MPPGCL & SECL, on 11th April'23, at an approved Project cost of Rs. 4665.87 Cr (of Jan'2019 levels). The major highlights developments of the projects are as follows:-

- **Coal Linkage**: Coal allocation of 2.824 MTPA obtained from SECL, in Aug'23.
- **Water Linkage**: Water allocations of 17.34 MCM obtained from WRD, GoMP, in March'23; along with permission to construct 10 MCM Reservoir on River Sone.
- **Environmental Clearance**: MoEF&CC, GoI, accorded Environmental Clearance for the project, in May'23.
- **Selection of EPC Contractor**: M/s NTPC, appointed as Project Consultant, in April'23, who has prepared the tender specification for selection of EPC vendor, which was issued on 1st Feb'24. Pre-bid conference against the tender was conducted on 6th July'24 & Bid opening is scheduled in the month of Oct.'24.
- **Revision in Project cost**: Project consultant M/s NTPC updated the project cost to Rs. 8258.64 cr. (May'24 level),



which was approved by BoD of MPPGCL, in July'24; which is yet to be approved from GoMP.

- **Loan:** M/s PFC & M/s REC have both issued Loan sanctioning letters, in Sept'23. However, agreement is yet to be executed.
- **PPA:** For procurement of Power from the upcoming unit, Energy Deptt., GoMP has accorded Administrative approval to MPPMCL, in May' 2024, for the execution of PPA.
- **JVA:** Draft Joint Venture agreement (JVA) approved by GoMP on 13th July'23, which is yet to be signed.
- Targeted commissioning is in FY 2028-29.

(b) 1x660 MW STPS, Sarni, Distt. Betul, (MP)

MPPGCL intends to install 1x660 MW coal based Ultra-Supercritical thermal unit in place of already decommissioned units of PH-I (5x62.5 MW) at Satpura Thermal Power Station, Sarni; Dist: Betul, M.P. The major highlights of developments of the project are as follows:-

- **Administrative approval-** Energy Deptt., GoMP vide letter dtd.30.12.2022 informed that GoMP's administrative approval earlier accorded in July-2012 prevails, with Debt: Equity of GoMP: MPPGCL ratio 80:15:05.
- **Project Cost:** Earlier approved project cost- Rs. 4563.55 Cr (Base Jan'15). Project consultant M/s NTPC updated the project cost to Rs. 8299.76 Cr. (May'24 level), which was approved by BoD of MPPGCL in July'24 and yet to be approved from GoMP.
- **Coal Linkage:** Coal allocation of 1.412 MTPA obtained from SECL & 1.224 MTPA from NCL.



- **Water Linkage:** 17.32 MCM Water allocated by WRD for which agreement executed on 05.01.2024.
- **Environmental Clearance:** MoEF&CC, GoI, accorded Environmental Clearance for the project, in Nov'23.
- **Structural Height Clearance** Granted by Airport Authority of India in Jan'24.
- **Selection of EPC Contractor:** M/s NTPC were appointed as Project Consultant, in March'23, who have prepared the tender specification for selection of EPC vendor, which was issued on 7th Feb'24. Pre-bid conference against the tender was conducted on 5th July'24 & resolutions against pre-bid queries have been uploaded on 29.08.2024. Bid opening is scheduled in the month of Oct'24.
- **Loan:** M/s PFC & M/s REC have both issued Loan sanctioning letters considering 80% of project cost, in Sept'23.
- **PPA:** Energy Deptt., GoMP has accorded Administrative approval to MPPMCL for execution of PPA for Procurement of Power; in May' 24.
- Targeted commissioning is in FY 2028-29.

5.4.2 ERP Project

MPPGCL has initiated Project e-Genco for establishing the necessary Information and Communication Technology (ICT) infrastructure, implementing an ERP solution for automation of its business processes and establishing a Generation Control Centre.

1. **Data Centre:** Memorandum of Understanding (MoU) has been signed between MPPGCL and MPSEDC for establishing MPPGCL's Data Centre in Co-Location Mode at MPSEDC, Bhopal. MPPGCL owned hardware & software are installed and commissioned at MPSEDC.
2. **Email Solution:** Implemented and Functional.



3. Video Conferencing Solution: Implemented and Functional.

4. WAN Connectivity:

- i. Awarded to BSNL.
- ii. Installation Work has been completed at all sites except Jhinna HPS.

5. ERP Solution:

- i. Contract Agreement signed with M/s Accenture on 11.03.2022 and work of Implementation of ERP Solution commenced in April 2022.
- ii. Work is towards completion. Go-live phase has been started and handholding of multiple modules is under process. After handholding, system shall be made fully functional.

6. LAN Solution:

- i. Letter of Award (LoA) issued to M/s Takyon on 28th March'2022.
- ii. The cabling work (passive work) at HQ, Jabalpur and all the power houses has been completed.
- iii. Installation and commissioning work of active material is completed. The work of network connectivity is almost in completion stage and other balance works are likely to be completed by Oct'2024.

7. Consultancy: M/s Deloitte is Program Management Consultant of MPPGCL for the Project e-Genco.

8. GCC Solution: Yet to be implemented

In the instant petition, the expenditure towards project e-GENCO of MPPGCL has not been considered. However, after completion of the project, MPPGCL shall approach Hon'ble Commission through



separate Petition for permitting the Capital Expenses and O&M expenses in Tariff.\

5.4.3 Renovation and Modernization of Hydel Power Stations.

MPPGCL has proposed Renovation and Modernization of following Hydel Power Stations which have already completed their Useful life or are at fag end of their respective Useful life, , as per CEA guidelines for Renovation and Modernization of following Hydro Power Stations to ensure the reliable and continuous generation from these units in future:-:-

- a) Gandhi Sagar HPS (5x23MW).
- b) Pench HPS (2x80MW)
- c) Bargi HPS (2x45MW)

As per Regulation 27 of MPERC (Terms and Conditions for Determination of Generation Tariff) Regulations,2024, MPPGCL shall approach the Hon'ble Commission through separate petitions for obtaining approval of Hon'ble MPERC for carrying out Renovation and Modernization works in these stations.



6. Performance Parameters

6.1 Age of Power Stations:-

As per MPERC (Terms and Conditions for Determination of Generation Tariff) Regulations, 2024 the Useful life of Coal based Thermal Power Station is 25 years and the operational life maybe 35 years from the date of commercial operation. During this life span, the performance of the plants gradually goes down unless required maintenance is carried out regularly. After completion of normal life, the plants are either to be retired or major Renovation and Modernization is to be done to bring their performance back to a reasonable level. The table below elaborates the average age of thermal generating units of MPPGCL as on 01.04.2024, from which it may be seen that the average age of thermal generating units of MPPGCL is around 17 years.

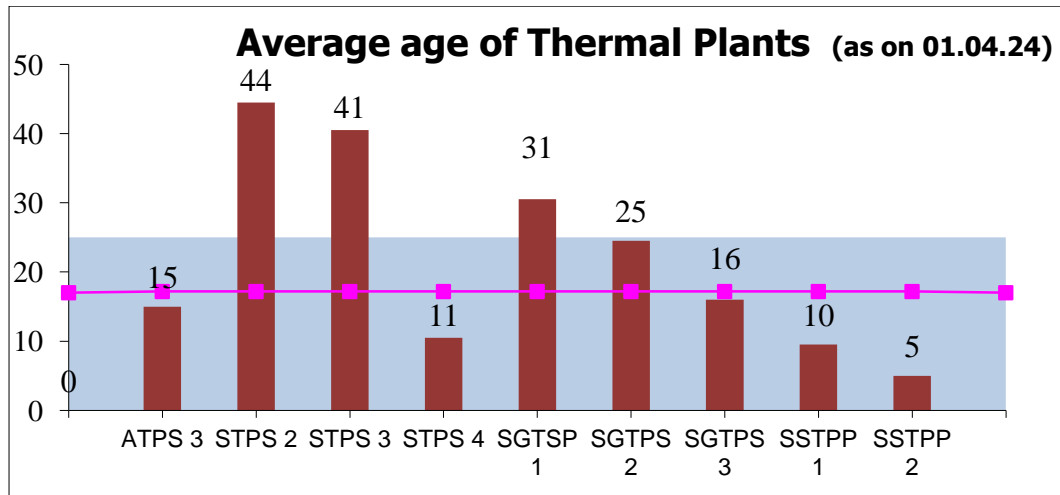
Age of Thermal Plants of MPPGCL

Table No 6.1.1 (as on 01.04.2024)

Name of Power Station	Capacity in MW	Age in Years
ATPS PH 3	210	15
STPS PH-2	410	44
STPS PH-3	420	41
STPS PH-4	500	11
SGTPS PH 1	420	31
SGTPS PH 2	420	25
SGTPS PH 3	500	16
SSTPP PH-1	1200	10
SSTPP PH-2	1320	5
Thermal	5400	17



Following graph depicts average age of units.



As per MPERC (Terms and Conditions for Determination of Generation Tariff) Regulations, 2024, the Useful life of Hydro Generating Stations is 40 years and the Operational life maybe 50 Years. The Station wise details are as under:-

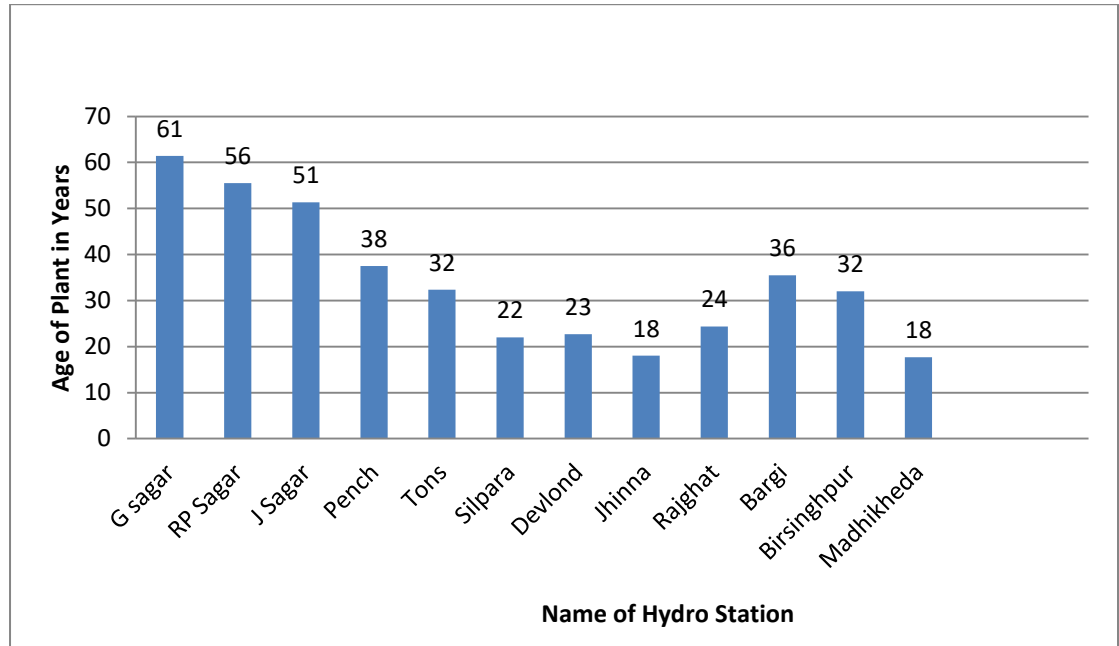
Age of Hydro Plants of MPPGCL and that of the Plants in which MPPGCL Has Share

Table No 6.1.2

Name of Power Station	Capacity in MW	Age in Years
Gandhi Sagar	115	61
RP Sagar	172	56
J Sagar	99	51
Pench	160	38
Tons	315	32
Silpara	30	22
Devlond	60	23
Jhinna	20	18
Rajghat	45	24
Bargi	90	36
Birsinghpur	20	32
Madhikheda	60	18
Hydro	1186	39



Following graph depicts average age of Hydro units of MPPGCL as on 01.04.2024.



6.2 Thermal Generation

The year wise performance of the thermal units w.r.t. various parameters is given as under:-

(a) Gross Generation, PAF & PLF:

The tables below elaborate the historical performance of the thermal power plants of MPPGCL w.r.t. Gross Generation, PAF and PLF:-

Actual Gross Generation in MU & PLF (%) for FY 21-FY 24

Table No 6.2.1.

Power Stations	FY 21		FY 22		FY 23		FY 24	
	PLF	MU	PLF	MU	PLF	MU	PLF	MU
1 ATPS PH-3	88.34%	1625	81.97%	1508	77.95%	1434	97.81%	1804
2 STPS PH-2&3	10.70%	781	0%	0	0%	0	0%	0
3 STPS PH-4	85.04%	3725	78.76%	3450	90.59%	3968	88.81%	3901
4 SGTPS PH-1&2	64.73%	4763	54.25%	3992	65.65%	4831	69.07%	5097
5 SGTPS PH-3	87.97%	3853	60.27%	2640	89.67%	3928	65.91%	2895
6 SSTPP PH-1	48.28%	5075	44.86%	4716	64.27%	6756	67.11%	7074
7 SSTPP PH-2	7.38%	853	40.67%	4703	55.45%	6411	67.76%	7857



Plant Availability Factor for FY 21-FY 24

Table No 6.2.2

Power Stations		FY 21	FY 22	FY 23	FY 24
		%	%	%	%
1	ATPS PH-3	89.88%	86.99%	78.39%	99.39%
2	STPS PH-2&3	34.06%	0%	0%	0%
3	STPS PH-4	93.48%	92.26%	94.34%	92.59%
4	SGTPS PH-1&2	74.78%	60.20%	68.24%	72.74%
5	SGTPS PH-3	94.28%	63.14%	91.66%	68.42%
6	SSTPP PH-1	89.08%	65.63%	69.63%	74.57%
7	SSTPP PH-2	38.78%	48.59%	58.36%	72.67%

Actual performance of the thermal power stations depends on number of factors. Some of these factors are beyond control of the utility and others are controllable. Few units of MPPGCL are considerably old and are on threshold limits of their operation. At the same time non availability of adequate funds and coal is also limiting the performance and increasing partial and forced outages of the units. Actual performance of these units has been summarized in the above tables for the period FY 21 to FY 24.

(b) Auxiliary Consumption

The table below details the historical auxiliary consumption of the thermal power generating stations of MPPGCL during the last 4 years.



Auxiliary Consumption: For FY21-FY24

Table No 6.2.3

Power Stations		FY 21	FY 22	FY 23	FY 24
		%	%	%	%
1	ATPS PH-3	9.11%	9.61%	9.40%	9.21%
2	STPS PH-2&3	12.57%	0.00%	0.00%	0.00%
3	STPS PH-4	8.63%	8.58%	8.08%	8.22%
4	SGTPS PH-1&2	9.83%	10.41%	9.54%	9.89%
5	SGTPS PH-3	5.65%	6.50%	6.06%	6.62%
6	SSTPP PH-1	5.91%	6.51%	6.13%	5.84%
7	SSTPP PH-2	12.53%	6.36%	6.09%	5.62%

(c) Heat Rate

Heat rate indicates the quantum of heat energy required to generate one unit of electricity. It has a direct relation with the size of the units, their design, their age factor and its maintenance. Due to shortage of fund and less revenue realization, adequate maintenance could not be done. The Company has put its best possible efforts to optimize the performance. The forced outages resulted in frequent stoppage and startup of the units requiring oil support. The quantity of oil and coal so burnt during start up and shut down, do not add to the generation but it adds to the heat rate. At the same time, the partial loading also requires oil support for operations below 55% of the rated capacity. This oil support is mainly required for flame stabilization inside the boiler. Efforts made by MPPGCL have resulted in improving the performance of Power plants. The power station-wise Heat rates for last 4 years depicting gradual improvement are elaborated in the table below:



Station Heat Rates for FY21-FY24

Table No.6.2.4

(In kCal/kWh)

Power Stations		FY 21	FY 22	FY 23	FY 24
1	ATPS PH-3	2411	2406	2419	2325
2	STPS PH-2&3	3193	0	0	0
3	STPS PH-4	2420	2400	2394	2344
4	SGTPS PH-1&2	2766	2782	2757	2718
5	SGTPS PH-3	2409	2444	2419	2330
6	SSTPP PH-1	2494	2553	2553	2562
7	SSTPP PH-2	2313	2362	2329	2327

(d) Specific Oil Consumption

Secondary oil is required to support thermal generating units during start ups and shut downs for safe operations of the units and for stabilization of unit during partial loading. This means more the partial loadings and shut downs of the units higher will be secondary oil consumption. It is pertinent to mention that the secondary oil consumption also depends on the design of the unit and increases with the vintage. For smaller size units higher specific oil consumption is inevitable. The table below elaborates the specific oil consumption during FY 21 to FY 24.

Specific Oil Consumption for FY21-FY24

Table No.6.2.5

(in ml/kWh)

Power Stations		FY 21	FY 22	FY 23	FY 24
1	ATPS PH-3	0.29	0.39	0.40	0.10
2	STPS PH-2&3	4.12	0.00	0.00	0.00
3	STPS PH-4	0.21	0.21	0.14	0.29
4	SGTPS PH-1&2	0.68	0.99	0.80	0.73
5	SGTPS PH-3	0.28	1.34	0.24	0.70
6	SSTPP PH-1	0.70	0.80	0.67	0.59
7	SSTPP PH-2	5.29	1.89	1.14	0.75



6.3 Hydro Generation

The actual achieved Plant Availability Factor during last 4 years for the Hydro Power Stations of MPPGCL are tabulated below:-

Plant Availability Factor for FY 21 to FY 24

Table No.6.3.1.

Power Stations		FY 21	FY 22	FY 23	FY 24
1	Gandhi Sagar	14.81%	47.22%	46.58%	42.18%
2	Pench	82.09%	59.80%	72.77%	88.23%
3	Rajghat	56.69%	46.30%	65.79%	70.80%
4	RABS Bargi	86.67%	82.51%	88.71%	97.54%
5	i. Bansagar-I (Tons)	64.21%	58.90%	37.08%	80.25%
	ii. Bansagar-II (Silpara)	92.48%	89.46%	95.21%	95.08%
	iii. Bansagar-III (Devlond)	98.43%	94.40%	102.81%	104.60%
6	Madhikheda	98.70%	93.34%	99.25%	99.71%
7	Bansagar-IV (Jhinna)	104.90%	94.38%	103.67%	106.69%
8	Birsinghpur	68.64%	45.21%	48.66%	81.86%



7. *Energy Charges (Variable Charges)*

7.1 The Energy charges (Variable charges) shall be derived on the basis of the Landed Fuel Cost (LFC) of a generating station (excluding hydro) and shall consist of the following cost:-

- a) Landed Fuel Cost of primary Fuel (Coal); and
- b) Cost of Secondary Fuel Oil Consumption
- c) Cost of Lime-stone or any other regent as applicable:

and shall be payable for the total energy scheduled to be supplied to the beneficiary during the calendar month on ex-power plant basis, at the energy charge rate of the month approved by the Commission (with fuel price adjustment).

Provided that any refund of taxes and duties along with any amount received on account of penalties from fuel supplier shall be adjusted in fuel cost

Provided further that the supplementary energy charges, if any, on account of meeting the revised emission standards in case of a thermal generating station shall be determined separately by the Commission.

7.2 The Power Station wise landed fuel cost of primary fuel and secondary fuel for tariff determination shall be based on actual weighted average cost of primary fuel and secondary fuel of the twelve preceding months. The details are elaborated in power station wise Form TPS-15 attached with the petition.

7.3 The landed price of coal "as received" during Aug'23 to Jul'24 (12 months) for ATPS PH-3, STPS PH-4, SGTPS PH-1&2, SGTPS PH-3, SSTPP PH-1 and SSTPP PH-2 are detailed in the tables given below. The landed price of coal "as received" during Jul'23 to Jun'24 (12 months) for STPS PH-2&3 are also detailed in the table given below. The landed cost of coal is inclusive of normative transit and handling loss as specified by Hon'ble Commission in Regulation 42 of MPERC Regulations, 2024. The Transit and Handling loss for ATPS PH-3, Chachai has been considered as 0.8% as coal is being received from Indian Railway (Non-pit head mines) also apart from the local mines through own railway system. The Transit and Handling loss for STPS



PH-2&3 and STPS PH-4, Sarni has been considered as 0.8% as coal is being received from Indian Railway (Non-pit head mines). The Transit and Handling loss for SGTPS PH-1&2 (Birsinghpur), SGTPS PH-3 (Birsinghpur), SSTPP PH-1 (Khandwa) and SSTPP PH-2 (Khandwa) have been considered as 1.0% as coal is being received from Non-pit head multimode transportation (RCR) system (using two or more modes of transport involving multimode shipments). Accordingly, the power station wise weighted average landed cost of coal in Rs./MT as derived for calculating energy charges, are tabulated below:-

Table No. 7.3.1. in Rs./MT
ATPS PH-3, Chachai

Particulars	Unit	Aug-23	Sep-23	Oct-23	Nov-23	Dec-23	Jan-24	Feb-24
Net Coal Supplied	MT	91506	92304	100359	85789	91420	97536	124209
Landed Cost of Coal	Rs./MT	2905	2846	2750	2613	2765	3439	3445

Particulars	Unit	Mar-24	Apr-24	May-24	Jun-24	Jul-24	Wt. Avg. Landed Cost of Coal
Net Coal Supplied	MT	81282	69276	92941	94430	54197	1075249
Landed Cost of Coal	Rs./MT	3575	2871	2749	2757	2755	2976

STPS PH-2&3, Sarni

Particulars	Unit	Jul-23	Aug-23	Sep-23	Oct-23	Nov-23	Dec-23	Jan-24
Net Coal Supplied	MT	72488	38814	71380	17179	13003	70259	57559
Landed Cost of Coal	Rs./MT	3519	4289	4134	5224	5163	3772	4194

Particulars	Unit	Feb-24	Mar-24	Apr-24	May-24	Jun-24	Wt. Avg. Landed Cost of Coal
Net Coal Supplied	MT	41337	43265	41090	54164	66190	586728
Landed Cost of Coal	Rs./MT	5058	4198	5279	3798	4193	4211

STPS PH-4, Sarni

Particulars	Unit	Aug-23	Sep-23	Oct-23	Nov-23	Dec-23	Jan-24	Feb-24
Net Coal Supplied	MT	59623	118368	217170	215929	179146	150383	237756
Landed Cost of Coal	Rs./MT	4248	4434	4113	4239	4241	4206	4268

Particulars	Unit	Mar-24	Apr-24	May-24	Jun-24	Jul-24	Wt. Avg. Landed Cost of Coal
Net Coal Supplied	MT	169644	165330	222024	142036	209742	2087150
Landed Cost of Coal	Rs./MT	4449	4098	4162	3921	4297	4220



SGTPS PH-1&2, Birsinghpur

Particulars	Unit	Aug-23	Sep-23	Oct-23	Nov-23	Dec-23	Jan-24	Feb-24
Net Coal Supplied	MT	356617	282537	254841	309229	337567	417814	349001
Landed Cost of Coal	Rs./MT	3583	3381	3503	3227	3679	3825	3708

Particulars	Unit	Mar-24	Apr-24	May-24	Jun-24	Jul-24	Wt. Avg. Landed Cost of Coal
Net Coal Supplied	MT	322112	337560	300886	214734	218386	3701285
Landed Cost of Coal	Rs./MT	3422	3594	3508	3355	3400	3537

SGTPS PH-3, Birsinghpur

Particulars	Unit	Aug-23	Sep-23	Oct-23	Nov-23	Dec-23	Jan-24	Feb-24
Net Coal Supplied	MT	123987	38946	160261	204113	218450	170641	28517
Landed Cost of Coal	Rs./MT	3776	3888	3892	3947	4054	4319	4320

Particulars	Unit	Mar-24	Apr-24	May-24	Jun-24	Jul-24	Wt. Avg. Landed Cost of Coal
Net Coal Supplied	MT	122179	159134	178379	198953	223274	1826835
Landed Cost of Coal	Rs./MT	3865	4169	3910	3638	3718	3931

SSTPP PH-1, Khandwa

Particulars	Unit	Aug-23	Sep-23	Oct-23	Nov-23	Dec-23	Jan-24	Feb-24
Net Coal Supplied	MT	402428	372033	418940	501613	521405	509828	455485
Landed Cost of Coal	Rs./MT	4620	4846	4626	4650	4503	4499	4606

Particulars	Unit	Mar-24	Apr-24	May-24	Jun-24	Jul-24	Wt. Avg. Landed Cost of Coal
Net Coal Supplied	MT	467652	452940	376186	356353	445334	5280198
Landed Cost of Coal	Rs./MT	4637	4587	4612	4687	4616	4617

SSTPP PH-2, Khandwa

Particulars	Unit	Aug-23	Sep-23	Oct-23	Nov-23	Dec-23	Jan-24	Feb-24
Net Coal Supplied	MT	400539	411266	425660	520142	534770	530112	493211
Landed Cost of Coal	Rs./MT	4666	4665	4634	4602	4482	4457	4497

Particulars	Unit	Mar-24	Apr-24	May-24	Jun-24	Jul-24	Wt. Avg. Landed Cost of Coal
Net Coal Supplied	MT	487107	545401	491783	495286	529711	5864988
Landed Cost of Coal	Rs./MT	4610	4637	4643	4683	4654	4599



7.4 The power station wise weighted average GCV of Coal “as Received” (as per third party sampling) during the 12 months period as detailed in para 7.3 above, are as given in table below:-

Table No. 7.4.1.

in kCal/Kg

ATPS PH-3, Chachai

Particulars	Unit	Aug-23	Sep-23	Oct-23	Nov-23	Dec-23	Jan-24	Feb-24
Net Coal Supplied	MT	91506	92304	100359	85789	91420	97536	124209
Wt. Avg. GCV of Coal as Received	KCal/kg	3636	3867	3951	3965	4134	4059	4081

Particulars	Unit	Mar-24	Apr-24	May-24	Jun-24	Jul-24	Wt. Avg. GCV of Coal
Net Coal Supplied	MT	81282	69276	92941	94430	54197	1075249
Wt. Avg. GCV of Coal as Received	KCal/kg	4014	3952	3916	4049	3861	3964

STPS PH-2&3, Sarni

Particulars	Unit	Jul-23	Aug-23	Sep-23	Oct-23	Nov-23	Dec-23	Jan-24
Net Coal Supplied	MT	72488	38814	71380	17179	13003	70259	57559
Wt. Avg. GCV of Coal as Received	KCal/kg	3805	3969	4079	4011	3968	4076	4059

Particulars	Unit	Feb-24	Mar-24	Apr-24	May-24	Jun-24	Wt. Avg. GCV of Coal
Net Coal Supplied	MT	41337	43265	41090	54164	66190	586728
Wt. Avg. GCV of Coal as Received	KCal/kg	3830	3846	3764	3755	3921	3927

STPS PH-4, Sarni

Particulars	Unit	Aug-23	Sep-23	Oct-23	Nov-23	Dec-23	Jan-24	Feb-24
Net Coal Supplied	MT	59623	118368	217170	215929	179146	150383	237756
Wt. Avg. GCV of Coal as Received	KCal/kg	3693	3665	3507	3839	3835	3827	3742

Particulars	Unit	Mar-24	Apr-24	May-24	Jun-24	Jul-24	Wt. Avg. GCV of Coal
Net Coal Supplied	MT	169644	165330	222024	142036	209742	2087150
Wt. Avg. GCV of Coal as Received	KCal/kg	3777	3767	3690	3648	3701	3725



SGTPS PH-1&2, Birsinghpur

Particulars	Unit	Aug-23	Sep-23	Oct-23	Nov-23	Dec-23	Jan-24	Feb-24
Net Coal Supplied	MT	356617	282537	254841	309229	337567	417814	349001
Wt. Avg. GCV of Coal as Received	KCal/kg	3568	3737	3757	3841	3963	3996	4051

Particulars	Unit	Mar-24	Apr-24	May-24	Jun-24	Jul-24	Wt. Avg. GCV of Coal
Net Coal Supplied	MT	322112	337560	300886	214734	218386	3701285
Wt. Avg. GCV of Coal as Received	KCal/kg	3928	3839	3861	3875	3899	3864

SGTPS PH-3, Birsinghpur

Particulars	Unit	Aug-23	Sep-23	Oct-23	Nov-23	Dec-23	Jan-24	Feb-24
Net Coal Supplied	MT	123987	38946	160261	204113	218450	170641	28517
Wt. Avg. GCV of Coal as Received	KCal/kg	3708	3756	3787	3933	4052	3981	4026

Particulars	Unit	Mar-24	Apr-24	May-24	Jun-24	Jul-24	Wt. Avg. GCV of Coal
Net Coal Supplied	MT	122179	159134	178379	198953	223274	1826835
Wt. Avg. GCV of Coal as Received	KCal/kg	3990	3994	4025	3987	3960	3949

SSTPP PH-1, Khandwa

Particulars	Unit	Aug-23	Sep-23	Oct-23	Nov-23	Dec-23	Jan-24	Feb-24
Net Coal Supplied	MT	402428	372033	418940	501613	521405	509828	455485
Wt. Avg. GCV of Coal as Received	KCal/kg	3356	3541	3490	3551	3653	3712	3830

Particulars	Unit	Mar-24	Apr-24	May-24	Jun-24	Jul-24	Wt. Avg. GCV of Coal
Net Coal Supplied	MT	467652	452940	376186	356353	445334	5280198
Wt. Avg. GCV of Coal as Received	KCal/kg	3714	3643	3651	3698	3520	3617

SSTPP PH-2, Khandwa

Particulars	Unit	Aug-23	Sep-23	Oct-23	Nov-23	Dec-23	Jan-24	Feb-24
Net Coal Supplied	MT	400539	411266	425660	520142	534770	530112	493211
Wt. Avg. GCV of Coal as Received	KCal/kg	3351	3433	3480	3501	3636	3720	3730

Particulars	Unit	Mar-24	Apr-24	May-24	Jun-24	Jul-24	Wt. Avg. GCV of Coal
Net Coal Supplied	MT	487107	545401	491783	495286	529711	5864988
Wt. Avg. GCV of Coal as Received	KCal/kg	3621	3592	3656	3676	3416	3574



7.5 The landed cost of Secondary Fuel i.e Secondary Fuel Oil for tariff determination are based on weighted average cost of the preceding twelve months and in absence of these the last available procurement prices before the start of tariff period have been considered. The secondary Fuel oil comprises of Furnace Oil (FO) and Light Diesel Oil (LDO). Accordingly, the power station wise Weighted Average Landed Price/Rate of Secondary Fuel Oil purchased has been worked out.

7.6 At ATPS, Chachai the Furnace Oil was last purchased in Aug'23. Similarly, the LDO was last purchased in the months of Jun'24 & Jul'24. Accordingly, the Weighted Average Landed Price/Rate of Secondary Fuel Oil for ATPS PH-3, Chachai has been worked out and as detailed below:-

Table 7.6.1

ATPS PH-3	FO			LDO			Sec. Oil		
	Month	Quantity in KL	Rate in Rs./KL	Cost in Rs. Lakhs	Quantity in KL	Rate in Rs./KL	Cost in Rs. Lakhs	Quantity in KL	Rate in Rs./KL
Aug-23	1286.8	52211	671.85				1286.80	52211	671.85
Jun-24				160.00	75993	121.59	160.00	75993	121.59
Jul-24				32.00	78983	25.27	32.00	78983	25.27
Total	1286.80	52211	671.85	192.00	76491	146.86	1478.80	55364	818.72

7.7 At STPS, Sarni the Furnace Oil was last purchased in Sep'23. Similarly, the LDO was purchased in the months of Mar'24 and Apr'24. Accordingly, the Weighted Average Landed Price/Rate of Secondary Fuel Oil has been worked out for STPS PH-2&3 and STPS PH-4, Sarni and are as detailed below:-

Table 7.7.1

STPS Sarni	FO			LDO			Sec. Oil		
	Month	Quantity in KL	Rate in Rs./KL	Cost in Rs. Lakhs	Quantity in KL	Rate in Rs./KL	Cost in Rs. Lakhs	Quantity in KL	Rate in Rs./KL
Sep-23	36.00	66708	24.01	200.0	87669	175.34	236.00	84472	199.35
Mar-24				180.0	77614	139.71	180.00	77614	139.71
Apr-24				120.0	77832	93.40	120.00	77832	93.40
Total	36.00	66708	24.01	500.00	81689	408.44	536.00	80682	432.46



7.8 At SGTPS, Birsinghpur the Furnace Oil was purchased in Aug'23, Sep'23, Dec'23 and Mar'24. Similarly, the LDO was also purchased in the months of Aug'23, Sep'23, Dec'23 and Mar'24. Accordingly, the Weighted Average Landed Price/Rate of Secondary Fuel Oil has been worked out for SGTPS PH-1&2, SGTPS PH-3, Birsinghpur and are as detailed below:-

Table 7.8.1

SGTPS Birsinghpur	FO			LDO			Sec. Oil		
	Month	Quantity in KL	Rate in Rs./KL	Cost in Rs. Lakhs	Quantity in KL	Rate in Rs./KL	Cost in Rs. Lakhs	Quantity in KL	Rate in Rs./KL
Aug-23	1359.45	66197	899.92	1500	85705	1285.57	2859.45	76430	2185.49
Sep-23	1352.59	65751	889.34	1514.24	88743	1343.79	2866.83	77895	2233.13
Dec-23	1359.45	57411	780.47	1500	78075	1171.12	2859.45	68251	1951.60
Mar-24	1351.12	56912	768.95	1455.89	76127	1108.33	2807.01	66878	1877.27
Total	5422.61	61570	3338.68	5970.13	82223	4908.81	11392.74	72392	8247.49

7.9 At SSTPP, Khandwa the Furnace Oil at SSTPP, Khandwa was purchased in the months of Aug'23, Mar'24, Jun'24 and Jul'24. Similarly, the LDO was also purchased in the months of Aug'23, Mar'24, Jun'24 and Jul'24. Accordingly, the Weighted Average Landed Price/Rate of Secondary Fuel Oil has been worked out for SSTPP PH-1, SSTPP PH-2, Khandwa and are as detailed below:-

Table 7.9.1

SSTPP PH-1&2	FO			LDO			Sec. Oil		
	Month	Quantity in KL	Rate in Rs./KL	Cost in Rs. Lakhs	Quantity in KL	Rate in Rs./KL	Cost in Rs. Lakhs	Quantity in KL	Rate in Rs./KL
Aug-23	1996.67	58025	1158.56	948.18	76491	725.27	2944.85	63970	1883.83
Mar-24	1939.64	57404	1113.43	1010.49	76821	776.27	2950.13	64055	1889.70
Jun-24	2000.00	64066	1281.31	1000	73237	732.37	3000.00	67123	2013.69
Jul-24	1821.46	63517	1156.94	946.62	74815	708.21	2768.08	67381	1865.16
Total	7757.77	60717	4710.25	3905.29	75337	2942.12	11663.06	65612	7652.38

7.10 Based on the above data, the Power Station wise Energy Charge Rate (ECR) in Rupees per kWh on ex-power plant basis has been determined to the three decimal places in accordance with the



formulae provided in proviso 47.3 of Regulations, 2024. The weighted average Gross Calorific Value of coal has been considered with a reduction of 85Kcal/Kg on account of variation in GCV during storage at generation station, as provided in Regulation 47.3 of MPERC Regulations, 2024. Accordingly, the Power Station wise Energy Charge Rate and Energy Charges (Variable Cost) are tabulated below:-

ECR and Variable Cost of Fuel

Table No. 7.10.1.

ATPS PH-3, Chachai	Unit	FY 25	FY 26	FY 27	FY 28	FY 29
Description						
Installed Capacity	MW	210	210	210	210	210
Gross Station Heat Rate - Normative	Kcal/Kwh	2450	2450	2450	2450	2450
Sp. Fuel Oil Consumption - Normative	ml/KWh	0.50	0.50	0.50	0.50	0.50
Auxiliary Energy Consumption - Normative	%	9.25%	9.25%	9.25%	9.25%	9.25%
Wt. Average GCV of Sec. Oil	Kcal/litre	10000	10000	10000	10000	10000
Wt. Average GCV of Coal	Kcal/Kg	3879	3879	3879	3879	3879
Wt. Average Price of Sec. Oil	Rs./kL	55364	55364	55364	55364	55364
Wt. Average Price of Coal	Rs./MT	2976	2976	2976	2976	2976
Heat Contributed from Oil	Kcal/Kwh	5	5	5	5	5
Heat Contributed from Coal	Kcal/Kwh	2445	2445	2445	2445	2445
Sp. Coal Consumption	Kg/KWh	0.630	0.630	0.630	0.630	0.630
Rate of Energy Charge	Rs./KWh	1.903	1.903	1.903	1.903	1.903
Rate of Energy Charge Ex-Bus (ECR)	Rs./KWh	2.097	2.097	2.097	2.097	2.097
Scheduled Energy Ex-Bus - Normative	MU	1419	1419	1419	1423	1419
Variable Cost	Rs. Crores	297.58	297.58	297.58	298.39	297.58



Table No. 7.10.2.

STPS PH-2&3, Sarni	Unit	FY 25	FY 26	FY 27	FY 28	FY 29
Description						
Installed Capacity	MW	830	830	830	830	830
Gross Station Heat Rate - Normative	Kcal/Kwh	2850	2850	2850	2850	2850
Sp. Fuel Oil Consumption - Normative	ml/KWh	1.75	1.75	1.75	1.75	1.75
Auxiliary Energy Consumption - Normative	%	10.0%	10.0%	10.0%	10.0%	10.0%
Wt. Average GCV of Sec. Oil	Kcal/litre	10000	10000	10000	10000	10000
Wt. Average GCV of Coal	Kcal/Kg	3842	3842	3842	3842	3842
Wt. Average Price of Sec. Oil	Rs./kL	80682	80682	80682	80682	80682
Wt. Average Price of Coal	Rs./MT	4211	4211	4211	4211	4211
Heat Contributed from Oil	Kcal/Kwh	17.5	17.5	17.5	17.5	17.5
Heat Contributed from Coal	Kcal/Kwh	2832.5	2832.5	2832.5	2832.5	2832.5
Sp. Coal Consumption	Kg/KWh	0.737	0.737	0.737	0.737	0.737
Rate of Energy Charge	Rs./KWh	3.246	3.246	3.246	3.246	3.246
Rate of Energy Charge Ex-Bus (ECR)	Rs./KWh	3.607	3.607	3.607	3.607	3.607
Scheduled Energy Ex-Bus - Normative	MU	4581	4581	4581	4593	4581
Variable Cost	Rs. Crores	1652.18	1652.18	1652.18	1656.71	1652.18

Table No. 7.10.3.

STPS PH-4, Sarni	Unit	FY 25	FY 26	FY 27	FY 28	FY 29
Description						
Installed Capacity	MW	500	500	500	500	500
Gross Station Heat Rate - Normative	Kcal/Kwh	2400	2400	2400	2400	2400
Sp. Fuel Oil Consumption - Normative	ml/KWh	0.50	0.50	0.50	0.50	0.50
Auxiliary Energy Consumption - Normative	%	8.5%	8.5%	8.5%	8.5%	8.5%
Wt. Average GCV of Sec. Oil	Kcal/litre	10000	10000	10000	10000	10000
Wt. Average GCV of Coal	Kcal/Kg	3640	3640	3640	3640	3640
Wt. Average Price of Sec. Oil	Rs./kL	80682	80682	80682	80682	80682
Wt. Average Price of Coal	Rs./MT	4220	4220	4220	4220	4220
Heat Contributed from Oil	Kcal/Kwh	5	5	5	5	5
Heat Contributed from Coal	Kcal/Kwh	2395	2395	2395	2395	2395
Sp. Coal Consumption	Kg/KWh	0.658	0.658	0.658	0.658	0.658
Rate of Energy Charge	Rs./KWh	2.817	2.817	2.817	2.817	2.817
Rate of Energy Charge Ex-Bus (ECR)	Rs./KWh	3.079	3.079	3.079	3.079	3.079
Scheduled Energy Ex-Bus - Normative	MU	3407	3407	3407	3416	3407
Variable Cost	Rs. Crores	1048.92	1048.92	1048.92	1051.79	1048.92



Table No. 7.10.4.

SGTPS PH-1&2, Birsinghpur						
Description	Unit	FY 25	FY 26	FY 27	FY 28	FY 29
Installed Capacity	MW	840	840	840	840	840
Gross Station Heat Rate - Normative	Kcal/Kwh	2700	2700	2700	2700	2700
Sp. Fuel Oil Consumption - Normative	ml/KWh	1.15	1.15	1.15	1.15	1.15
Auxiliary Energy Consumption - Normative	%	10.0%	10.0%	10.0%	10.0%	10.0%
Wt. Average GCV of Sec. Oil	Kcal/litre	10000	10000	10000	10000	10000
Wt. Average GCV of Coal	Kcal/Kg	3779	3779	3779	3779	3779
Wt. Average Price of Sec. Oil	Rs./kL	72392	72392	72392	72392	72392
Wt. Average Price of Coal	Rs./MT	3537	3537	3537	3537	3537
Heat Contributed from Oil	Kcal/Kwh	11.5	11.5	11.5	11.5	11.5
Heat Contributed from Coal	Kcal/Kwh	2688.5	2688.5	2688.5	2688.5	2688.5
Sp. Coal Consumption	Kg/KWh	0.711	0.711	0.711	0.711	0.711
Rate of Energy Charge	Rs./KWh	2.600	2.600	2.600	2.600	2.600
Rate of Energy Charge Ex-Bus (ECR)	Rs./KWh	2.889	2.889	2.889	2.889	2.889
Scheduled Energy Ex-Bus - Normative	MU	4967	4967	4967	4981	4967
Variable Cost	Rs. Crores	1434.75	1434.75	1434.75	1438.68	1434.75

Table No. 7.10.5.

SGTPS PH-3, Birsinghpur						
Description	Unit	FY 25	FY 26	FY 27	FY 28	FY 29
Installed Capacity	MW	500	500	500	500	500
Gross Station Heat Rate - Normative	Kcal/Kwh	2390	2390	2390	2390	2390
Sp. Fuel Oil Consumption - Normative	ml/KWh	0.50	0.50	0.50	0.50	0.50
Auxiliary Energy Consumption - Normative	%	5.75%	5.75%	5.75%	5.75%	5.75%
Wt. Average GCV of Sec. Oil	Kcal/litre	10000	10000	10000	10000	10000
Wt. Average GCV of Coal	Kcal/Kg	3864	3864	3864	3864	3864
Wt. Average Price of Sec. Oil	Rs./kL	72392	72392	72392	72392	72392
Wt. Average Price of Coal	Rs./MT	3931	3931	3931	3931	3931
Heat Contributed from Oil	Kcal/Kwh	5	5	5	5	5
Heat Contributed from Coal	Kcal/Kwh	2385	2385	2385	2385	2385
Sp. Coal Consumption	Kg/KWh	0.617	0.617	0.617	0.617	0.617
Rate of Energy Charge	Rs./KWh	2.463	2.463	2.463	2.463	2.463
Rate of Energy Charge Ex-Bus (ECR)	Rs./KWh	2.613	2.613	2.613	2.613	2.613
Scheduled Energy Ex-Bus - Normative	MU	3508.93	3508.93	3508.93	3518.54	3508.93
Variable Cost	Rs. Crores	916.96	916.96	916.96	919.48	916.96



Table No. 7.10.6.

SSTPP PH-1, Khandwa	Unit	FY 25	FY 26	FY 27	FY 28	FY 29
Description						
Installed Capacity	MW	1200	1200	1200	1200	1200
Gross Station Heat Rate - Normative	Kcal/Kwh	2384.25	2384.25	2384.25	2384.25	2384.25
Sp. Fuel Oil Consumption - Normative	ml/KWh	0.50	0.50	0.50	0.50	0.50
Auxiliary Energy Consumption - Normative	%	5.25%	5.25%	5.25%	5.25%	5.25%
Wt. Average GCV of Sec. Oil	Kcal/litre	10000	10000	10000	10000	10000
Wt. Average GCV of Coal	Kcal/Kg	3532	3532	3532	3532	3532
Wt. Average Price of Sec. Oil	Rs./kL	65612	65612	65612	65612	65612
Wt. Average Price of Coal	Rs./MT	4617	4617	4617	4617	4617
Heat Contributed from Oil	Kcal/Kwh	5	5	5	5	5
Heat Contributed from Coal	Kcal/Kwh	2379.25	2379.25	2379.25	2379.25	2379.25
Sp. Coal Consumption	Kg/KWh	0.674	0.674	0.674	0.674	0.674
Rate of Energy Charge	Rs./KWh	3.143	3.143	3.143	3.143	3.143
Rate of Energy Charge Ex-Bus (ECR)	Rs./KWh	3.317	3.317	3.317	3.317	3.317
Scheduled Energy Ex-Bus - Normative	MU	8466.10	8466.10	8466.10	8489.30	8466.10
Variable Cost	Rs. Crores	2808.25	2808.25	2808.25	2815.95	2808.25

Table No. 7.10.7.

SSTPP PH-2, Khandwa	Unit	FY 25	FY 26	FY 27	FY 28	FY 29
Description						
Installed Capacity	MW	1320	1320	1320	1320	1320
Gross Station Heat Rate - Normative	Kcal/Kwh	2185.69	2185.69	2185.69	2185.69	2185.69
Sp. Fuel Oil Consumption - Normative	ml/KWh	0.50	0.50	0.50	0.50	0.50
Auxiliary Energy Consumption - Normative	%	5.25%	5.25%	5.25%	5.25%	5.25%
Wt. Average GCV of Sec. Oil	Kcal/litre	10000	10000	10000	10000	10000
Wt. Average GCV of Coal	Kcal/Kg	3489	3489	3489	3489	3489
Wt. Average Price of Sec. Oil	Rs./kL	65612	65612	65612	65612	65612
Wt. Average Price of Coal	Rs./MT	4599	4599	4599	4599	4599
Heat Contributed from Oil	Kcal/Kwh	5	5	5	5	5
Heat Contributed from Coal	Kcal/Kwh	2180.6897	2180.6897	2180.6897	2180.6897	2180.6897
Sp. Coal Consumption	Kg/KWh	0.625	0.625	0.625	0.625	0.625
Rate of Energy Charge	Rs./KWh	2.907	2.907	2.907	2.907	2.907
Rate of Energy Charge Ex-Bus (ECR)	Rs./KWh	3.068	3.068	3.068	3.068	3.068
Scheduled Energy Ex-Bus - Normative	MU	9312.71	9312.71	9312.71	9338.23	9312.71
Variable Cost	Rs. Crores	2857.14	2857.14	2857.14	2864.97	2857.14



7.11 The Power Station wise Energy Charge Rate (ECR) Ex-bus, upto 3 places of decimal, are summarized in the table below:-

Table No. 7.11.1. in Rs./kWh.

Power Station	FY 25	FY 26	FY 27	FY 28	FY 29
ATPS PH-3	2.097	2.097	2.097	2.097	2.097
STPS PH-2&3	3.607	3.607	3.607	3.607	3.607
STPS PH-4	3.079	3.079	3.079	3.079	3.079
SGTPS PH-1&2	2.889	2.889	2.889	2.889	2.889
SGTPS PH-3	2.613	2.613	2.613	2.613	2.613
SSTPP PH-1	3.317	3.317	3.317	3.317	3.317
SSTPP PH-2	3.068	3.068	3.068	3.068	3.068

7.12 MPPGCL is in the process of implementing emission control system for meeting revised emission standards. The re-tendering process for its procurement and commissioning is in progress. Once these equipment are commissioned, MPPGCL shall approach Hon'ble Commission separately in accordance to the relevant Regulations of MPERC Regulations, 2024 for determination of Supplementary tariff for such emission control systems.

7.13 It is humbly requested before the Hon'ble Commission to kindly permit the power station wise Energy Charge Rates and Power Station wise, Year wise Variable Charges as detailed in para 7.10 and 7.11 above.



8. Return on Equity

8.1 The Hon'ble Commission vide Regulation 32.2 of "MPERC (Terms and Conditions for determination of Generation Tariff) Regulations, 2024 {RG-26 (V) of 2024}" has specified the principles for calculating Return on Equity, which is reproduced hereunder:-

"32.2 Return on equity shall be computed at the base rate of 15.50% for thermal generating stations and run-of-river hydro generating stations and at the base rate of 16.50% for storage type hydro generating stations, pumped storage hydro generating stations and run-of river generating stations with pondage: ..."

8.2 MPPGCL had filed the petition for True up of generation tariff of Power Stations of MPPGCL for FY 2022-23 on 30.11.2023. Hon'ble Commission has issued True up order for FY 2022-23 on 07.03.2024. The Annual Statement of Accounts of MPPGCL for FY 2023-24 is under finalization. Therefore, MPPGCL in this Multi Year Tariff Petition has not considered any asset addition or deletion in FY 2023-24 and the Normative Equity Closing Balance of FY 2022-23, as approved in the True up Order dated 07.03.2024 for FY 2022-23, is considered as the Normative Equity Opening Balance for FY 2023-24 and also as the Normative Equity Opening Balance for FY 2024-25, for the respective power station.

8.3 The Hon'ble Commission vide Regulation 31.1 and 31.3 of "MPERC (Terms and Conditions for Determination of Generation Tariff) Regulations, 2024 {RG-26 (V) of 2024}" has specified the Debt to Equity ratio to be considered for calculating Return on Equity, which are reproduced hereunder:-

"31.1 For new projects, the debt-equity ratio of 70:30 as on date of commercial operation shall be considered. If the equity actually deployed is more than 30% of the capital cost,



*equity in excess of 30% shall be treated as normative loan:
....."*

"31.3 In case of the generating station declared under commercial operation prior to 1.4.2024, debt-equity ratio allowed by the Commission for determination of tariff for the period ending 31.3.2024 shall be considered:"

8.4 MPPGCL humbly submits that as per Regulation 6.3 of MPERC (Terms and Conditions for Determination of Generation Tariff) Regulations, 2024, MPPGCL has considered the Power Station wise capital cost based on the admitted capital cost, including capital expenditure already admitted in last True up order (FY 2022-23), as the respective base capital cost for framing the MYT Petition.

8.5 Here it is to submit that the Hon'ble Commission at para 46 on Page 29 of its Order dated 19.05.2021 in the matter of Petition No. 53/2020 filed by the Petitioner (MPPGCL) for determination of Multi Year Tariff for the Control Period FY20 to FY24 had mentioned as given below:

"46. As mentioned in preceding part of this order, the Commission has not considered the proposed/projected additional capitalization during FY 2019-20 to FY 2023-24 filed by the petitioner at this stage in this order and the same shall be dealt with at the time of true-up exercise of the respective years based on the Annual Audited Accounts. Therefore, no addition of loan and equity is considered during the MYT control period."

8.6 Therefore, the above directives of Hon'ble Commission has been followed and so the projections of Power Station wise proposed additional capitalization, shown in the subsequent Chapter, shall be claimed on the basis of actual audited expenses capitalized at the time of True up for the respective Years, after the actual additional capital expenditures are captured in Books of Account for the respective Power Stations.

8.7 In view of the above practice of the Hon'ble Commission, MPPGCL has presently not claimed any asset addition for the Control Period



FY 2024-25 to FY 2028-29 and has also not considered any addition of Loan and Equity during the aforesaid Control Period FY 2024-25 to FY 2028-29.

8.8 Accordingly, the Year Wise Power Station Wise Return on Equity for the control period FY 2024-25 to FY 2028-29 has been worked out and is tabulated hereunder:

Normative Return on Equity for FY 2024-25.

Table 8.8.1

in Rs. Crores

Power Station	Normative Equity as on 1-4-2024 (Opening Balance)	Normative Equity addition w.r.t. Projected Asset Capitalization during FY 25	Normative Equity as on 31-3-2025 (Closing Balance)	Average Equity	Return on Equity @ 15.5% (for Thermal stations) /16.5% (for Hydro stations)
1	ATPS PH-3	258.86	0.00	258.86	40.12
2	STPS PH-2&3	166.66	0.00	166.66	25.83
3	STPS PH-4	662.83	0.00	662.83	102.74
4	SGTPS PH-1&2	655.88	0.00	655.88	101.66
5	SGTPS PH-3	578.01	0.00	578.01	89.59
6	SSTPP PH-1	1414.65	0.00	1414.65	219.27
7	SSTPP PH-2	1033.93	0.00	1033.93	160.26
8	Total Thermal	4770.82	0.00	4770.82	739.48
9	Gandhi Sagar	3.37	0.00	3.37	0.56
10	Pench	35.77	0.00	35.77	5.90
11	Rajghat	27.03	0.00	27.03	4.46
12	Bargi	27.77	0.00	27.77	4.58
13	Bansagar PH-1,2 &3	352.38	0.00	352.38	58.14
14	Bansagar PH-4	35.05	0.00	35.05	5.78
15	Madhikheda	46.30	0.00	46.30	7.64
16	Birsinghpur	15.65	0.00	15.65	2.58
17	Total Hydro	543.32	0.00	543.32	89.65
Total		5314.14	0.00	5314.14	829.12



Normative Return on Equity for FY 2025-26.

Table 8.8.2

in Rs. Crores

Power Station		Normative Equity as on 1-4-2024 (Opening Balance)	Normative Equity addition w.r.t. Projected Asset Capitalization during FY 26	Normative Equity as on 31-3-2026 (Closing Balance)	Average Equity	Return on Equity @ 15.5% (for Thermal stations) /16.5% (for Hydro stations)
1	ATPS PH-3	258.86	0.00	258.86	258.86	40.12
2	STPS PH-2&3	166.66	0.00	166.66	166.66	25.83
3	STPS PH-4	662.83	0.00	662.83	662.83	102.74
4	SGTPS PH-1&2	655.88	0.00	655.88	655.88	101.66
5	SGTPS PH-3	578.01	0.00	578.01	578.01	89.59
6	SSTPP PH-1	1414.65	0.00	1414.65	1414.65	219.27
7	SSTPP PH-2	1033.93	0.00	1033.93	1033.93	160.26
8	Total Thermal	4770.82	0.00	4770.82	4770.82	739.48
9	Gandhi Sagar	3.37	0.00	3.37	3.37	0.56
10	Pench	35.77	0.00	35.77	35.77	5.90
11	Rajghat	27.03	0.00	27.03	27.03	4.46
12	Bargi	27.77	0.00	27.77	27.77	4.58
13	Bansagar PH-1,2 &3	352.38	0.00	352.38	352.38	58.14
14	Bansagar PH-4	35.05	0.00	35.05	35.05	5.78
15	Madhikheda	46.30	0.00	46.30	46.30	7.64
16	Birsinghpur	15.65	0.00	15.65	15.65	2.58
17	Total Hydro	543.32	0.00	543.32	543.32	89.65
Total		5314.14	0.00	5314.14	5314.14	829.12

Normative Return on Equity for FY 2026-27

Table 8.8.3

in Rs. Crores

Power Station		Normative Equity as on 1-4-2026 (Opening Balance)	Normative Equity addition w.r.t. Projected Asset Capitalization during FY 27	Normative Equity as on 31-3-2027 (Closing Balance)	Average Equity	Return on Equity @ 15.5% (for Thermal stations) /16.5% (for Hydro stations)
1	ATPS PH-3	258.86	0.00	258.86	258.86	40.12
2	STPS PH-2&3	166.66	0.00	166.66	166.66	25.83
3	STPS PH-4	662.83	0.00	662.83	662.83	102.74



Power Station		Normative Equity as on 1-4-2026 (Opening Balance)	Normative Equity addition w.r.t. Projected Asset Capitalization during FY 27	Normative Equity as on 31-3-2027 (Closing Balance)	Average Equity	Return on Equity @ 15.5% (for Thermal stations) /16.5% (for Hydro stations)
4	SGTPS PH-1&2	655.88	0.00	655.88	655.88	101.66
5	SGTPS PH-3	578.01	0.00	578.01	578.01	89.59
6	SSTPP PH-1	1414.65	0.00	1414.65	1414.65	219.27
7	SSTPP PH-2	1033.93	0.00	1033.93	1033.93	160.26
8	Total Thermal	4770.82	0.00	4770.82	4770.82	739.48
9	Gandhi Sagar	3.37	0.00	3.37	3.37	0.56
10	Pench	35.77	0.00	35.77	35.77	5.90
11	Rajghat	27.03	0.00	27.03	27.03	4.46
12	Bargi	27.77	0.00	27.77	27.77	4.58
13	Bansagar PH-1,2 &3	352.38	0.00	352.38	352.38	58.14
14	Bansagar PH-4	35.05	0.00	35.05	35.05	5.78
15	Madhikheda	46.30	0.00	46.30	46.30	7.64
16	Birsinghpur	15.65	0.00	15.65	15.65	2.58
17	Total Hydro	543.32	0.00	543.32	543.32	89.65
Total		5314.14	0.00	5314.14	5314.14	829.12

Normative Return on Equity for FY 2027-28.

Table 8.8.4

in Rs. Crores

Power Station		Normative Equity as on 1-4-2027 (Opening Balance)	Normative Equity addition w.r.t. Projected Asset Capitalization during FY 28	Normative Equity as on 31-3-2028 (Closing Balance)	Average Equity	Return on Equity @ 15.5% (for Thermal stations) /16.5% (for Hydro stations)
1	ATPS PH-3	258.86	0.00	258.86	258.86	40.12
2	STPS PH-2&3	166.66	0.00	166.66	166.66	25.83
3	STPS PH-4	662.83	0.00	662.83	662.83	102.74
4	SGTPS PH-1&2	655.88	0.00	655.88	655.88	101.66
5	SGTPS PH-3	578.01	0.00	578.01	578.01	89.59
6	SSTPP PH-1	1414.65	0.00	1414.65	1414.65	219.27
7	SSTPP PH-2	1033.93	0.00	1033.93	1033.93	160.26
8	Total Thermal	4770.82	0.00	4770.82	4770.82	739.48
9	Gandhi Sagar	3.37	0.00	3.37	3.37	0.56
10	Pench	35.77	0.00	35.77	35.77	5.90



Power Station		Normative Equity as on 1-4-2027 (Opening Balance)	Normative Equity addition w.r.t. Projected Asset Capitalization during FY 28	Normative Equity as on 31-3-2028 (Closing Balance)	Average Equity	Return on Equity @ 15.5% (for Thermal stations) /16.5% (for Hydro stations)
11	Rajghat	27.03	0.00	27.03	27.03	4.46
12	Bargi	27.77	0.00	27.77	27.77	4.58
13	Bansagar PH-1,2 &3	352.38	0.00	352.38	352.38	58.14
14	Bansagar PH-4	35.05	0.00	35.05	35.05	5.78
15	Madhikheda	46.30	0.00	46.30	46.30	7.64
16	Birsinghpur	15.65	0.00	15.65	15.65	2.58
17	Total Hydro	543.32	0.00	543.32	543.32	89.65
Total		5314.14	0.00	5314.14	5314.14	829.12

Normative Return on Equity for FY 2028-29.

Table 8.8.5

in Rs. Crores

Power Station		Normative Equity as on 1-4-2028 (Opening Balance)	Normative Equity addition w.r.t. Projected Asset Capitalization during FY 29	Normative Equity as on 31-3-2029 (Closing Balance)	Average Equity	Return on Equity @ 15.5% (for Thermal stations) /16.5% (for Hydro stations)
1	ATPS PH-3	258.86	0.00	258.86	258.86	40.12
2	STPS PH-2&3	166.66	0.00	166.66	166.66	25.83
3	STPS PH-4	662.83	0.00	662.83	662.83	102.74
4	SGTPS PH-1&2	655.88	0.00	655.88	655.88	101.66
5	SGTPS PH-3	578.01	0.00	578.01	578.01	89.59
6	SSTPP PH-1	1414.65	0.00	1414.65	1414.65	219.27
7	SSTPP PH-2	1033.93	0.00	1033.93	1033.93	160.26
8	Total Thermal	4770.82	0.00	4770.82	4770.82	739.48
9	Gandhi Sagar	3.37	0.00	3.37	3.37	0.56
10	Pench	35.77	0.00	35.77	35.77	5.90
11	Rajghat	27.03	0.00	27.03	27.03	4.46
12	Bargi	27.77	0.00	27.77	27.77	4.58
13	Bansagar PH-1,2 &3	352.38	0.00	352.38	352.38	58.14
14	Bansagar PH-4	35.05	0.00	35.05	35.05	5.78
15	Madhikheda	46.30	0.00	46.30	46.30	7.64
16	Birsinghpur	15.65	0.00	15.65	15.65	2.58
17	Total Hydro	543.32	0.00	543.32	543.32	89.65
Total		5314.14	0.00	5314.14	5314.14	829.12



8.9 Accordingly, the Power Station wise Return on Equity claimed in the instant petition for FY 2024-25 to FY 2028-29 works out as under:

Return on Equity FY 2024-25 to FY 2028-29

Table No. 8.9.1

in Rs. Crores

Power Station		FY 2024-25	FY 2025-26	FY 2026-27	FY 2027-28	FY 2028-29
1	ATPS PH-3	40.12	40.12	40.12	40.12	40.12
2	STPS PH-2&3	25.83	25.83	25.83	25.83	25.83
3	STPS PH-4	102.74	102.74	102.74	102.74	102.74
4	SGTPS PH-1&2	101.66	101.66	101.66	101.66	101.66
5	SGTPS PH-3	89.59	89.59	89.59	89.59	89.59
6	SSTPP PH-1	219.27	219.27	219.27	219.27	219.27
7	SSTPP PH-2	160.26	160.26	160.26	160.26	160.26
8	Total Thermal	739.48	739.48	739.48	739.48	739.48
9	Gandhi Sagar	0.56	0.56	0.56	0.56	0.56
10	Pench	5.90	5.90	5.90	5.90	5.90
11	Rajghat	4.46	4.46	4.46	4.46	4.46
12	Bargi	4.58	4.58	4.58	4.58	4.58
13	Bansagar PH-1,2 &3	58.14	58.14	58.14	58.14	58.14
14	Bansagar PH-4	5.78	5.78	5.78	5.78	5.78
15	Madhikheda	7.64	7.64	7.64	7.64	7.64
16	Birsinghpur	2.58	2.58	2.58	2.58	2.58
17	Total Hydro	89.65	89.65	89.65	89.65	89.65
Total		829.12	829.12	829.12	829.12	829.12

8.10 It is humbly requested before the Hon'ble Commission to kindly permit the Power Station Wise and Year Wise Return on Equity as detailed in Para 8.7 and 8.8 above.



9. Interest & Finance Charges

- 9.1 The Hon'ble Commission vide Regulation 35 read with Regulation 31 of MPERC (Terms and Conditions for determination of Generation Tariff) Regulations, 2024 {RG-26 (V) of 2024} has specified the principles of calculating Interest on loan capital.
- 9.2 MPPGCL had filed the petition for True up of generation tariff of Power Stations of MPPGCL for FY 2022-23 on 30.11.2023. Hon'ble Commission has issued True up order for FY 2022-23 on 07.03.2024. The Annual Statement of Accounts of MPPGCL for FY 2023-24 is under finalization. Therefore, MPPGCL in this Multi Year Tariff Petition has not considered any Asset addition or deletion in FY 2023-24 and the Normative Loan Closing Balance of FY 2022-23, as approved in the True up Order dated 07.03.2024 for FY 2022-23, is considered as the Normative Loan Opening Balance for FY 2023-24, for the respective power station. For arriving at the Closing Balance of Normative Loan for FY 2023-2024 the Principal Repayment via Depreciation has been considered and accordingly the Closing Balance of Normative Loan for FY 2023-2024 has been determined, which has become the Normative Loan Opening Balance for FY 2024-25.
- 9.3 MPPGCL humbly submits that as per Regulation 6.3 of MPERC (Terms and Conditions for Determination of Generation Tariff) Regulations, 2024, MPPGCL has considered the Power Station wise capital cost based on the admitted capital cost, including capital expenditure already admitted in last True up order (FY 2022-23), as the respective base capital cost for framing the MYT Petition.
- 9.4 Here it is to submit that the Hon'ble Commission at para 46 on Page 29 of its Order dated 19.05.2021 in the matter of Petition No. 53/2020 filed by the Petitioner (MPPGCL) for determination of Multi Year Tariff for the Control Period FY20 to FY24 had mentioned as given below:

"46. As mentioned in preceding part of this order, the Commission has not considered the proposed/projected additional capitalization during FY 2019-20 to FY 2023-24 filed by the petitioner at this stage in this order and the same shall be



dealt with at the time of true-up exercise of the respective years based on the Annual Audited Accounts. Therefore, no addition of loan and equity is considered during the MYT control period."

- 9.5 Therefore, the above directives of Hon'ble Commission has been followed and so the projections of Power Station wise proposed additional capitalization, shown in the subsequent Chapter, shall be claimed on the basis of actual audited expenses capitalized at the time of True up for the respective Years, after the actual additional capital expenditures are captured in Books of Account for the respective Power Stations.
- 9.6 In view of the above practice of the Hon'ble Commission, MPPGCL has presently not claimed any Asset addition for the Control Period FY 2024-25 to FY 2028-29 and has also not considered any addition of loan and equity during the aforesaid Control Period FY 2024-25 to FY 2028-29.
- 9.7 Accordingly, the Year Wise Power Station Wise Interest on Loan, including excess equity, for the control period FY 2024-25 to FY 2028-29 has been worked out, on the basis of the Weighted Average Rate of Interest of the respective loans as given below, and are tabulated hereunder:

Table 9.7.1

Particulars		Wt. Average Rate of Interest (%)
1	ATPS PH-3	12.32%
2	STPS PH-2&3	12.32%
3	STPS PH-4	10.11%
4	SGTPS PH 1&2	12.14%
5	SGTPS PH 3	12.32%
6	SSTP PH-1	10.10%
7	SSTP PH-2	10.03%
8	Total Thermal	10.14%
9	Gandhi Sagar	12.32%
10	Pench	12.32%
11	Rajghat	12.32%
12	Bargi	12.32%
13	Bansagar PH-1,2&3	12.32%
14	Bansagar PH-4	12.32%
17	Madhikheda	12.32%
18	Birsinghpur	12.32%
19	Total Hydro	12.32%
Total		10.16%



Station wise Interest on Normative Loan Capital FY 2024-25

Table No.9.7.2

in Rs. Crores

Power Station	Adjusted Opening Balance 1-4-2024	Additions		Principal repayment (Depreciation)	Closing Balance 31-03-2025	Average Balance	Wt. Average Rate of Interest	Interest Amount	
		Loan	Excess Equity						
1	ATPS PH-3	146.49	0.00	0.00	24.92	121.58	134.04	12.32%	16.51
2	STPS PH-2&3	0.00	0.00	0.00	0.00	0.00	0.00	12.32%	0.00
3	STPS PH-4	967.80	0.00	0.00	169.62	798.19	883.00	10.11%	89.27
4	SGTPS PH-1&2	0.00	0.00	0.00	0.00	0.00	0.00	12.14%	0.00
5	SGTPS PH-3	83.29	0.00	0.00	38.33	44.95	64.12	12.32%	7.90
6	SSTPP PH-1	2372.59	0.00	0.00	370.79	2001.79	2187.19	10.10%	220.91
7	SSTPP PH-2	3947.17	0.00	0.00	352.93	3594.24	3770.71	10.03%	378.20
8	Total Thermal	7517.34	0.00	0.00	956.59	6560.75	7039.05		712.79
9	Gandhi Sagar	0.14	0.00	0.00	0.07	0.08	0.11	12.32%	0.01
10	Pench	6.07	0.00	0.00	1.36	4.71	5.39	12.32%	0.66
11	Rajghat	0.00	0.00	0.00	0.00	0.00	0.00	12.32%	0.00
12	Bargi	0.00	0.00	0.00	0.00	0.00	0.00	12.32%	0.00
13	Bansagar PH-1,2 &3	0.00	0.00	0.00	0.00	0.00	0.00	12.32%	0.00
14	Bansagar PH-4	0.00	0.00	0.00	0.00	0.00	0.00	12.32%	0.00
15	Birsinghpur	0.00	0.00	0.00	0.00	0.00	0.00	12.32%	0.00
16	Madhikheda	10.52	0.00	0.00	2.38	8.15	9.33	12.32%	1.15
17	Total Hydel	16.74	0.00	0.00	3.81	12.93	14.84		1.83
18	HQ & S&I	0.00	0.00	0.00	0.00	0.00	0.00	12.32%	0.00
Total		7534.08	0.00	0.00	960.39	6573.69	7053.88		714.62



Station wise Interest on Normative Loan Capital FY 2025-26

Table No.9.7.3

in Rs. Crores

Power Station	Adjusted Opening Balance 1-4-2025	Additions		Principal repayment (Depreciation)	Closing Balance 31-03-2026	Average Balance	Wt. Average Rate of Interest	Interest Amount	
		Loan	Excess Equity						
1	ATPS PH-3	121.58	0.00	0.00	22.99	98.59	110.08	12.32%	13.56
2	STPS PH-2&3	0.00	0.00	0.00	0.00	0.00	0.00	12.32%	0.00
3	STPS PH-4	798.19	0.00	0.00	169.59	628.60	713.39	10.11%	72.12
4	SGTPS PH-1&2	0.00	0.00	0.00	0.00	0.00	0.00	12.14%	0.00
5	SGTPS PH-3	44.95	0.00	0.00	35.26	9.69	27.32	12.32%	3.37
6	SSTPP PH-1	2001.79	0.00	0.00	370.80	1630.99	1816.39	10.10%	183.46
7	SSTPP PH-2	3594.24	0.00	0.00	353.03	3241.21	3417.73	10.03%	342.80
8	Total Thermal	6560.75	0.00	0.00	951.67	5609.08	6084.92		615.31
9	Gandhi Sagar	0.08	0.00	0.00	0.07	0.01	0.04	12.32%	0.01
10	Pench	4.71	0.00	0.00	1.29	3.42	4.07	12.32%	0.50
11	Rajghat	0.00	0.00	0.00	0.00	0.00	0.00	12.32%	0.00
12	Bargi	0.00	0.00	0.00	0.00	0.00	0.00	12.32%	0.00
13	Bansagar PH-1,2 &3	0.00	0.00	0.00	0.00	0.00	0.00	12.32%	0.00
14	Bansagar PH-4	0.00	0.00	0.00	0.00	0.00	0.00	12.32%	0.00
15	Birsinghpur	0.00	0.00	0.00	0.00	0.00	0.00	12.32%	0.00
16	Madhikheda	8.15	0.00	0.00	2.29	5.85	7.00	12.32%	0.86
17	Total Hydel	12.93	0.00	0.00	3.65	9.29	11.11		1.37
18	HQ & S&I	0.00	0.00	0.00	0.00	0.00	0.00	12.32%	0.00
Total		6573.69	0.00	0.00	955.32	5618.37	6096.03		616.67



Station wise Interest on Normative Loan Capital FY 2026-27

Table No.9.7.4

in Rs. Crores

Power Station	Adjusted Opening Balance 1-4-2026	Additions		Principal repayment (Depreciation)	Closing Balance 31-03-2027	Average Balance	Wt. Average Rate of Interest	Interest Amount	
		Loan	Excess Equity						
1	ATPS PH-3	98.59	0.00	0.00	21.29	77.30	87.94	12.32%	10.83
2	STPS PH-2&3	0.00	0.00	0.00	0.00	0.00	0.00	12.32%	0.00
3	STPS PH-4	628.60	0.00	0.00	169.60	459.00	543.80	10.11%	54.98
4	SGTPS PH-1&2	0.00	0.00	0.00	0.00	0.00	0.00	12.14%	0.00
5	SGTPS PH-3	9.69	0.00	0.00	9.69	0.00	4.85	12.32%	0.60
6	SSTPP PH-1	1630.99	0.00	0.00	370.80	1260.18	1445.59	10.10%	146.00
7	SSTPP PH-2	3241.21	0.00	0.00	353.11	2888.10	3064.66	10.03%	307.39
8	Total Thermal	5609.08	0.00	0.00	924.50	4684.58	5146.83		519.80
9	Gandhi Sagar	0.01	0.00	0.00	0.01	0.00	0.00	12.32%	0.00
10	Pench	3.42	0.00	0.00	1.22	2.20	2.81	12.32%	0.35
11	Rajghat	0.00	0.00	0.00	0.00	0.00	0.00	12.32%	0.00
12	Bargi	0.00	0.00	0.00	0.00	0.00	0.00	12.32%	0.00
13	Bansagar PH-1,2 &3	0.00	0.00	0.00	0.00	0.00	0.00	12.32%	0.00
14	Bansagar PH-4	0.00	0.00	0.00	0.00	0.00	0.00	12.32%	0.00
15	Birsinghpur	0.00	0.00	0.00	0.00	0.00	0.00	12.32%	0.00
16	Madhikheda	5.85	0.00	0.00	2.20	3.65	4.75	12.32%	0.59
17	Total Hydel	9.29	0.00	0.00	3.43	5.85	7.57		0.93
18	HQ & S&I	0.00	0.00	0.00	0.00	0.00	0.00	12.32%	0.00
Total		5618.37	0.00	0.00	927.93	4690.43	5154.40		520.73



Station wise Interest on Normative Loan Capital FY 2027-28

Table No.9.7.5

in Rs. Crores

Power Station	Adjusted Opening Balance 1-4-2027	Additions		Principal repayment (Depreciation)	Closing Balance 31-03-2028	Average Balance	Wt. Average Rate of Interest	Interest Amount	
		Loan	Excess Equity						
1	ATPS PH-3	77.30	0.00	0.00	19.59	57.70	67.50	12.32%	8.32
2	STPS PH-2&3	0.00	0.00	0.00	0.00	0.00	0.00	12.32%	0.00
3	STPS PH-4	459.00	0.00	0.00	169.60	289.40	374.20	10.11%	37.83
4	SGTPS PH-1&2	0.00	0.00	0.00	0.00	0.00	0.00	12.14%	0.00
5	SGTPS PH-3	0.00	0.00	0.00	0.00	0.00	0.00	12.32%	0.00
6	SSTPP PH-1	1260.18	0.00	0.00	370.81	889.38	1074.78	10.10%	108.55
7	SSTPP PH-2	2888.10	0.00	0.00	353.12	2534.98	2711.54	10.03%	271.97
8	Total Thermal	4684.58	0.00	0.00	913.12	3771.46	4228.02		426.67
9	Gandhi Sagar	0.00	0.00	0.00	0.00	0.00	0.00	12.32%	0.00
10	Pench	2.20	0.00	0.00	1.17	1.03	1.62	12.32%	0.20
11	Rajghat	0.00	0.00	0.00	0.00	0.00	0.00	12.32%	0.00
12	Bargi	0.00	0.00	0.00	0.00	0.00	0.00	12.32%	0.00
13	Bansagar PH-1,2 &3	0.00	0.00	0.00	0.00	0.00	0.00	12.32%	0.00
14	Bansagar PH-4	0.00	0.00	0.00	0.00	0.00	0.00	12.32%	0.00
15	Birsinghpur	0.00	0.00	0.00	0.00	0.00	0.00	12.32%	0.00
16	Madhikheda	3.65	0.00	0.00	2.12	1.53	2.59	12.32%	0.32
17	Total Hydel	5.85	0.00	0.00	3.29	2.57	4.21		0.52
18	HQ & S&I	0.00	0.00	0.00	0.00	0.00	0.00	12.32%	0.00
Total		4690.43	0.00	0.00	916.41	3774.03	4232.23		427.19



Station wise Interest on Normative Loan Capital FY 2028-29

Table No.9.7.6

in Rs. Crores

Power Station	Adjusted Opening Balance 1-4-2028	Additions		Principal repayment (Depreciation)	Closing Bal Balance 31-03-2029	Average Balance	Wt. Average Rate of Interest	Interest Amount	
		Loan	Excess Equity						
1	ATPS PH-3	57.70	0.00	0.00	18.12	39.58	48.64	12.32%	5.99
2	STPS PH-2&3	0.00	0.00	0.00	0.00	0.00	0.00	12.32%	0.00
3	STPS PH-4	289.40	0.00	0.00	169.73	119.67	204.53	10.11%	20.68
4	SGTPS PH-1&2	0.00	0.00	0.00	0.00	0.00	0.00	12.14%	0.00
5	SGTPS PH-3	0.00	0.00	0.00	0.00	0.00	0.00	12.32%	0.00
6	SSTPP PH-1	889.38	0.00	0.00	370.82	518.56	703.97	10.10%	71.10
7	SSTPP PH-2	2534.98	0.00	0.00	352.93	2182.05	2358.52	10.03%	236.56
8	Total Thermal	3771.46	0.00	0.00	911.60	2859.86	3315.66		334.33
9	Gandhi Sagar	0.00	0.00	0.00	0.00	0.00	0.00	12.32%	0.00
10	Pench	1.03	0.00	0.00	1.03	0.00	0.52	12.32%	0.06
11	Rajghat	0.00	0.00	0.00	0.00	0.00	0.00	12.32%	0.00
12	Bargi	0.00	0.00	0.00	0.00	0.00	0.00	12.32%	0.00
13	Bansagar PH-1,2 &3	0.00	0.00	0.00	0.00	0.00	0.00	12.32%	0.00
14	Bansagar PH-4	0.00	0.00	0.00	0.00	0.00	0.00	12.32%	0.00
15	Birsinghpur	0.00	0.00	0.00	0.00	0.00	0.00	12.32%	0.00
16	Madhikheda	1.53	0.00	0.00	1.53	0.00	0.77	12.32%	0.09
17	Total Hydel	2.57	0.00	0.00	2.56	0.00	1.29		0.16
18	HQ & S&I	0.00	0.00	0.00	0.00	0.00	0.00	12.32%	0.00
Total		3774.03	0.00	0.00	914.16	2859.87	3316.95		334.49



9.8 Accordingly, the Power Station wise Interest on loan including interest on excess Equity claimed in the instant petition for FY 2024-25 to FY 2028-29 works out as under:

Interest on Loan Capital including Excess Equity FY 25 to FY 29

Table No. 9.8.1

in Rs. Crores

Power Station		FY 2024-25	FY 2025-26	FY 2026-27	FY 2027-28	FY 2028-29
1	ATPS PH-3	16.51	13.56	10.83	8.32	5.99
2	STPS PH-2&3	0.00	0.00	0.00	0.00	0.00
3	STPS PH-4	89.27	72.12	54.98	37.83	20.68
4	SGTPS PH-1&2	0.00	0.00	0.00	0.00	0.00
5	SGTPS PH-3	7.90	3.37	0.60	0.00	0.00
6	SSTPP PH-1	220.91	183.46	146.00	108.55	71.10
7	SSTPP PH-2	378.20	342.80	307.39	271.97	236.56
8	Total Thermal	712.79	615.31	519.80	426.67	334.33
9	Gandhi Sagar	0.01	0.01	0.00	0.00	0.00
10	Pench	0.66	0.50	0.35	0.20	0.06
11	Rajghat	0.00	0.00	0.00	0.00	0.00
12	Bargi	0.00	0.00	0.00	0.00	0.00
13	Bansagar PH-1,2 &3	0.00	0.00	0.00	0.00	0.00
14	Bansagar PH-4	0.00	0.00	0.00	0.00	0.00
15	Madhikheda	1.15	0.86	0.586	0.319	0.09
16	Birsinghpur	0.00	0.00	0.00	0.00	0.00
17	Total Hydel	1.83	1.37	0.93	0.52	0.16
Total		714.62	616.67	520.73	427.19	334.49

9.9 It is humbly requested before the Hon'ble Commission to kindly permit the Power Station Wise and Year Wise Interest on Loan as detailed in Para 9.7 and 9.8 above.



10. Depreciation

- 10.1** The Hon'ble Commission vide Regulation 34 of "MPERC (Terms and Conditions for Determination of Generation Tariff) Regulations, 2024 {RG-26 (V) of 2024}" has specified the principles of charging depreciation.
- 10.2** MPPGCL had filed the petition for True up of generation tariff of Power Stations of MPPGCL for FY 2022-23 on 30.11.2023. Hon'ble Commission has issued True up order for FY 2022-23 on 07.03.2024. The Annual Statement of Accounts of MPPGCL for FY 2023-24 is under finalization. Therefore, MPPGCL in this Multi Year Tariff Petition has not considered any Asset addition or deletion in FY 2023-24 and the Closing Gross Block of FY 2022-23, as approved in the True up Order dated 07.03.2024 for FY 2022-23, is considered as the Opening Gross Block for FY 2023-24, for the respective power station.
- 10.3** MPPGCL humbly submits that as per Regulation 6.3 of MPERC (Terms and Conditions for Determination of Generation Tariff) Regulations, 2024, MPPGCL has considered the Power Station wise capital cost based on the admitted capital cost, including capital expenditure already admitted in last True up order (FY 2022-23), as the respective base capital cost for framing the MYT Petition.
- 10.4** Here it is to submit that the Hon'ble Commission at para 46 on Page 29 of its Order dated 19.05.2021 in the matter of Petition No. 53/2020 filed by the Petitioner (MPPGCL) for determination of Multi Year Tariff for the Control Period FY20 to FY24 had mentioned as given below:

"46. As mentioned in preceding part of this order, the Commission has not considered the proposed/projected additional capitalization during FY 2019-20 to FY 2023-24 filed by the petitioner at this stage in this order and the same shall be dealt with at the time of true-up exercise of the respective years based on the Annual Audited Accounts. Therefore, no addition of loan and equity is considered during the MYT control period."



- 10.5** Therefore, the above directives of Hon'ble Commission has been followed and so the projections of Power Station wise proposed additional capitalization, shown in the subsequent Chapter, shall be claimed on the basis of actual audited expenses capitalized at the time of True up for the respective Years, after the actual additional capital expenditures are captured in Books of Account for the respective Power Stations.
- 10.6** In view of the above practice of the Hon'ble Commission, MPPGCL has presently not claimed any asset addition for the Control Period FY 2024-25 to FY 2028-29.
- 10.7** The Power Station wise Closing Gross Block of Assets for FY 2022-2023, as approved by the Hon'ble Commission in True up Order for FY 2022-23, are detailed as hereunder :

Table No. 10.7.1

in Rs. Crores

Station		Adjusted Opening Gross Block 01-04-2022	Asset Additions FY 23	Asset Deductions	Closing Gross Block 31-03-2023
1	ATPS PH-3	1133.19	1.09	-1.76	1132.52
2	ATPS Chachai	1133.19	1.09	-1.76	1132.52
3	STPS PH-2&3	564.55	0.00	-2.12	562.43
4	STPS PH-4	3242.10	34.70	-0.22	3276.58
5	STPS Total	3806.65	34.70	-2.34	3839.01
6	SGTPS PH-1&2	2212.21	0.46	-4.60	2208.07
7	SGTPS PH-3	2047.74	4.52	-2.31	2049.95
8	SGTPS Total	4259.95	4.98	-6.91	4258.02
9	SSTPP PH-1	7323.01	5.85	-0.37	7328.49
10	SSTPP PH-2	6755.72	5.35	0.00	6761.07
11	Total Thermal	23278.52	51.97	-11.38	23319.11
12	Gandhi Sagar	11.14	0.00	0.00	11.14
13	Pench	119.43	0.24	-0.23	119.44
14	Rajghat	107.43	0.01	-0.01	107.43
15	Bargi	92.47	0.01	0.00	92.48
16	Bansagar PH-1,2&3	1177.56	0.88	-2.99	1175.45
17	Bansagar PH-4	116.85	0.00	0.00	116.85
18	Birsinghpur	52.41	0.74	0.00	53.15
19	Madhikheda	218.16	0.00	0.000	218.16
20	Total Hydro	1895.45	1.88	-3.23	1894.10
Total		25173.97	53.85	-14.61	25213.21



10.8 The Power station wise details of Accumulated Depreciation as on 01.04.2023, as approved by the Hon'ble Commission in the Order dated 07.03.2024 passed for True up of generation tariff of Power Stations of MPPGCL for FY 2022-23, are as given in the table below ::

Accumulated Depreciation as on 01.04.2022 and as on 31.03.2023

Table No. 10.8.1

in Rs. Crores

Power Station	Adjusted Opening Balance of Accumulated Depreciation 01-04-2022	Depreciation Amount for FY 23	Accumulated Depreciation reduction towards write off/ adjustment	Closing Balance of Accumulated Depreciation 31-03-2023	As % of Gross Block
1 ATPS PH-3	663.83	27.42	-1.03	690.22	61%
2 ATPS Chachai	663.83	27.42	-1.03	690.22	61%
3 STPS PH-2&3	513.56	0.00	-1.93	511.63	90%
4 STPS PH-4	1340.37	167.53	-0.09	1507.81	46%
5 STPS Total	1853.93	167.53	-2.02	2019.44	53%
6 SGTPS PH-1&2	1875.49	49.73	-3.90	1921.32	87%
7 SGTPS PH-3	1297.46	44.05	-1.46	1340.05	65%
8 SGTPS Total	3172.95	93.78	-5.36	3261.37	77%
9 SSTPP PH-1	2796.16	370.68	-0.14	3166.70	43%
10 SSTPP PH-2	1075.46	351.44	0.00	1426.90	21%
11 Total Thermal	9562.33	1010.84	-8.55	10564.62	
12 Gandhi Sagar	9.61	0.06	0.00	9.67	87%
13 Pench	86.93	1.37	-0.17	88.13	74%
14 Rajghat	66.78	1.79	-0.01	68.56	64%
15 Bargi	73.04	1.28	0.00	74.32	80%
16 Bansagar PH-1,2&3	882.00	17.53	-2.24	897.29	76%
17 Bansagar PH-4	85.25	1.37	0.00	86.62	74%
18 Birsinghpur	42.36	0.53	0.00	42.89	81%
19 Madhikheda	130.84	2.57	0.00	133.41	61%
20 Total Hydro	1376.81	26.51	-2.42	1400.90	
Total	10939.14	1037.36	-10.97	11965.52	



Accumulated Depreciation as on 01.04.2023 and as on 31.03.2024

Table No. 10.8.2

in Rs. Crores

Power Station		Adjusted Opening Balance of Accumulated Depreciation 01-04-2023	Depreciation Amount for FY 24	Accumulated Depreciation reduction towards write off/ adjustment	Closing Balance of Accumulated Depreciation 31-03-2024	As % of GB
1	ATPS PH-3	690.22	27.07		717.28	63%
2	ATPS Chachai	690.22	27.07	0.00	717.28	63%
3	STPS PH-2&3	511.63	0.00		511.63	90%
4	STPS PH-4	1507.81	169.73		1677.54	51%
5	STPS Total	2019.44	169.73	0.00	2189.17	57%
6	SGTPS PH-1&2	1921.32	29.37		1950.69	88%
7	SGTPS PH-3	1340.05	41.20		1381.25	67%
8	SGTPS Total	3261.37	70.57	0.00	3331.94	78%
9	SSTPP PH-1	3166.70	370.82		3537.52	48%
10	SSTPP PH-2	1426.90	352.93		1779.82	26%
11	Total Thermal	10564.62	991.11	0.00	11555.74	
12	Gandhi Sagar	9.67	0.07		9.74	87%
13	Pench	88.13	1.46		89.59	75%
14	Rajghat	68.56	1.70		70.26	65%
15	Bargi	74.32	1.19		75.51	82%
16	Bansagar PH-1,2&3	897.29	16.93		914.22	78%
17	Bansagar PH-4	86.62	1.33		87.95	75%
18	Birsinghpur	42.89	0.50		43.40	82%
19	Madhikheda	133.41	2.49	0.00	135.90	62%
20	Total Hydro	1400.90	25.66	0.00	1426.56	
Total		11965.52	1016.78	0.00	12982.30	

10.9 In the instant petition, the depreciation on the Gross Block has been computed based on the following principles as per MPERC (Terms and Conditions for Determination of Generation Tariff) Regulations, 2024: -

- The rates for depreciation are considered as specified by the Hon'ble Commission in Appendix-I of MPERC (Terms and



Conditions for Determination of Generation Tariff) Regulations, 2024.

- The salvage value of assets is considered as 10%, i.e., none of the assets are depreciated more than 90% of the gross value.
- Wherein the asset additions are made during the year, the depreciation is charged on prorata basis.
- Proviso 34.5 of MPERC (Terms and Conditions for Determination of Generation Tariff) Regulations, 2024 specifies that the remaining depreciable value as on 31st March of the year closing after a period of 12 years from the effective date of commercial operation of the station shall be spread over the balance useful life of the assets.

10.10 Accordingly, MPPGCL has worked out the reduced Weighted Average Rate of Depreciation for Stations which have completed the useful life of 12 years during the period 01.04.2025 to 31.03.2029.

10.11 Based on above mentioned philosophy the Weighted Average Rate of Depreciation works out as under:-

Table No. 10.11.1

Power Station		FY 2024-25	FY 2025-26	FY 2026-27	FY 2027-28	FY 2028-29
1	ATPS PH-3	2.20%	2.03%	1.88%	1.73%	1.60%
2	STPS PH-2&3	0.00%	0.00%	0.00%	0.00%	0.00%
3	STPS PH-4	5.18%	5.18%	5.18%	5.18%	5.18%
4	SGTPS PH-1&2	0.84%	0.60%	0.45%	0.36%	0.30%
5	SGTPS PH-3	1.87%	1.72%	1.59%	1.47%	1.36%
6	SSTPP PH-1	5.06%	5.06%	5.06%	5.06%	5.06%
7	SSTPP PH-2	5.22%	5.22%	5.22%	5.22%	5.22%
8	Gandhi Sagar HPS	0.60%	0.60%	0.60%	0.59%	0.58%
9	Pench HPS	1.14%	1.08%	1.02%	0.98%	0.94%
10	Rajghat HPS	1.49%	1.41%	1.33%	1.26%	1.19%
11	Bargi HPS	1.19%	1.11%	1.03%	0.97%	0.91%
12	Bansagar PH-1,2&3	1.33%	1.23%	1.14%	1.05%	0.98%
13	Bansagar PH-4 HPS	1.10%	1.05%	1.01%	0.97%	0.93%
14	Birsinghpur HPS	0.87%	0.80%	0.74%	0.68%	0.63%
15	Madhikheda HPS	1.09%	1.05%	1.01%	0.97%	0.93%



10.12 Considering the above, the Year Wise Average Gross Block and the corresponding Depreciation thereon have been worked out for respective power stations of MPPGCL, for the control period FY 2024-25 to FY 2028-29, and are tabulated as given below:-

Average Gross Block computation for FY 2024-25

Table No. 10.12.1 in Rs. Crores

Power Station	Adjusted Opening Gross Block 01-04-2024	Asset Additions FY 25	Asset Deductions	Closing Gross Block 31-03-2025	Average Gross Block
1 ATPS PH-3	1132.52		0.00	1132.52	1132.52
2 ATPS Chachai	1132.52	0.00	0.00	1132.52	1132.52
3 STPS PH-2&3	562.43	0.00	0.00	562.43	562.43
4 STPS PH-4	3276.58		0.00	3276.58	3276.58
5 STPS Total	3839.01	0.00	0.00	3839.01	3839.01
6 SGTPS PH-1&2	2208.07		0.00	2208.07	2208.07
7 SGTPS PH-3	2049.95		0.00	2049.95	2049.95
8 SGTPS Total	4258.02	0.00	0.00	4258.02	4258.02
9 SSTPP PH-1	7328.49		0.00	7328.49	7328.49
10 SSTPP PH-2	6761.07		0.00	6761.07	6761.07
11 Total Thermal	23319.11	0.00	0.00	23319.11	23319.11
12 Gandhi Sagar	11.14		0.00	11.14	11.14
13 Pench	119.44		0.00	119.44	119.44
14 Rajghat	107.43		0.00	107.43	107.43
15 Bargi	92.48		0.00	92.48	92.48
16 Bansagar PH-1,2&3	1175.45		0.00	1175.45	1175.45
17 Bansagar PH-4	116.85		0.00	116.85	116.85
18 Birsinghpur	53.15		0.00	53.15	53.15
19 Madhikheda	218.16		0.000	218.16	218.16
20 Total Hydro	1894.10	0.00	0.00	1894.10	1894.10
Total	25213.21	0.00	0.00	25213.21	25213.21



Depreciation for FY 2024-25

Table No. 10.12.2

in Rs. Crores

Power Station		Average Gross Block	Wt. Average Rate of Depreciation	Depreciation Amount for FY 25
1	ATPS PH-3	1132.52	2.20%	24.92
2	ATPS Chachai	1132.52		24.92
3	STPS PH-2&3	562.43	0.00%	0.00
4	STPS PH-4	3276.58	5.18%	169.62
5	STPS Total	3839.01		169.62
6	SGTPS PH-1&2	2208.07	0.84%	18.55
7	SGTPS PH-3	2049.95	1.87%	38.33
8	SGTPS Total	4258.02		56.88
9	SSTPP PH-1	7328.49	5.06%	370.79
10	SSTPP PH-2	6761.07	5.22%	352.93
11	Total Thermal	23319.11		975.14
12	Gandhi Sagar	11.14	0.60%	0.07
13	Pench	119.44	1.14%	1.36
14	Rajghat	107.43	1.49%	1.60
15	Bargi	92.48	1.19%	1.10
16	Bansagar PH-1,2&3	1175.45	1.33%	15.63
17	Bansagar PH-4	116.85	1.10%	1.29
18	Birsinghpur	53.15	0.87%	0.46
19	Madhikheda	218.16	1.09%	2.38
20	Total Hydro	1894.10		23.89
Total		25213.21		999.02



Average Gross Block computation for FY 2025-26

Table No. 10.12.3

in Rs. Crores

Power Station		Adjusted Opening Gross Block 01-04-2025	Asset Additions FY 26	Asset Deductions	Closing Gross Block 31-03-2026	Average Gross Block
1	ATPS PH-3	1132.52			1132.52	1132.52
2	ATPS Chachai	1132.52	0.00	0.00	1132.52	1132.52
3	STPS PH-2&3	562.43	0.00		562.43	562.43
4	STPS PH-4	3276.58			3276.58	3276.58
5	STPS Total	3839.01	0.00	0.00	3839.01	3839.01
6	SGTPS PH-1&2	2208.07			2208.07	2208.07
7	SGTPS PH-3	2049.95			2049.95	2049.95
8	SGTPS Total	4258.02	0.00	0.00	4258.02	4258.02
9	SSTPP PH-1	7328.49			7328.49	7328.49
10	SSTPP PH-2	6761.07			6761.07	6761.07
11	Total Thermal	23319.11	0.00	0.00	23319.11	23319.11
12	Gandhi Sagar	11.14			11.14	11.14
13	Pench	119.44			119.44	119.44
14	Rajghat	107.43			107.43	107.43
15	Bargi	92.48			92.48	92.48
16	Bansagar PH-1,2&3	1175.45			1175.45	1175.45
17	Bansagar PH-4	116.85			116.85	116.85
18	Birsinghpur	53.15			53.15	53.15
19	Madhikheda	218.16			218.16	218.16
20	Total Hydro	1894.10	0.00	0.00	1894.10	1894.10
Total		25213.21	0.00	0.00	25213.21	25213.21



Depreciation for FY 2025-26

Table No. 10.12.4

in Rs. Crores

	Power Station	Average Gross Block	Wt. Average Rate of Depreciation	Depreciation Amount for FY 26
1	ATPS PH-3	1132.52	2.03%	22.99
2	ATPS Chachai	1132.52		22.99
3	STPS PH-2&3	562.43	0.00%	0.00
4	STPS PH-4	3276.58	5.18%	169.59
5	STPS Total	3839.01		169.59
6	SGTPS PH-1&2	2208.07	0.60%	13.25
7	SGTPS PH-3	2049.95	1.72%	35.26
8	SGTPS Total	4258.02		48.51
9	SSTPP PH-1	7328.49	5.06%	370.80
10	SSTPP PH-2	6761.07	5.22%	353.03
11	Total Thermal	23319.11		964.92
12	Gandhi Sagar	11.14	0.60%	0.07
13	Pench	119.44	1.08%	1.29
14	Rajghat	107.43	1.41%	1.51
15	Bargi	92.48	1.11%	1.03
16	Bansagar PH-1,2&3	1175.45	1.23%	14.46
17	Bansagar PH-4	116.85	1.05%	1.23
18	Birsinghpur	53.15	0.80%	0.43
19	Madhikheda	218.16	1.05%	2.29
20	Total Hydro	1894.10		22.30
	Total	25213.21		987.22



Average Gross Block computation for FY 2026-27

Table No. 10.12.5

in Rs. Crores

Power Station		Adjusted Opening Gross Block 01-04-2026	Asset Additions FY 27	Asset Deductions	Closing Gross Block 31-03-2027	Average Gross Block
1	ATPS PH-3	1132.52			1132.52	1132.52
2	ATPS Chachai	1132.52	0.00	0.00	1132.52	1132.52
3	STPS PH-2&3	562.43	0.00		562.43	562.43
4	STPS PH-4	3276.58			3276.58	3276.58
5	STPS Total	3839.01	0.00	0.00	3839.01	3839.01
6	SGTPS PH-1&2	2208.07			2208.07	2208.07
7	SGTPS PH-3	2049.95			2049.95	2049.95
8	SGTPS Total	4258.02	0.00	0.00	4258.02	4258.02
9	SSTPP PH-1	7328.49			7328.49	7328.49
10	SSTPP PH-2	6761.07			6761.07	6761.07
11	Total Thermal	23319.11	0.00	0.00	23319.11	23319.11
12	Gandhi Sagar	11.14			11.14	11.14
13	Pench	119.44			119.44	119.44
14	Rajghat	107.43			107.43	107.43
15	Bargi	92.48			92.48	92.48
16	Bansagar PH-1,2&3	1175.45			1175.45	1175.45
17	Bansagar PH-4	116.85			116.85	116.85
18	Birsinghpur	53.15			53.15	53.15
19	Madhikheda	218.16			218.16	218.16
20	Total Hydro	1894.10	0.00	0.00	1894.10	1894.10
Total		25213.21	0.00	0.00	25213.21	25213.21



Depreciation for FY 2026-27

Table No. 10.12.6

in Rs. Crores

	Power Station	Average Gross Block	Wt. Average Rate of Depreciation	Depreciation Amount for FY 27
1	ATPS PH-3	1132.52	1.88%	21.29
2	ATPS Chachai	1132.52		21.29
3	STPS PH-2&3	562.43	0.00%	0.00
4	STPS PH-4	3276.58	5.18%	169.60
5	STPS Total	3839.01		169.60
6	SGTPS PH-1&2	2208.07	0.45%	9.94
7	SGTPS PH-3	2049.95	1.59%	32.59
8	SGTPS Total	4258.02		42.53
9	SSTPP PH-1	7328.49	5.06%	370.80
10	SSTPP PH-2	6761.07	5.22%	353.11
11	Total Thermal	23319.11		957.34
12	Gandhi Sagar	11.14	0.60%	0.07
13	Pench	119.44	1.02%	1.22
14	Rajghat	107.43	1.33%	1.43
15	Bargi	92.48	1.03%	0.95
16	Bansagar PH-1,2&3	1175.45	1.14%	13.40
17	Bansagar PH-4	116.85	1.01%	1.18
18	Birsinghpur	53.15	0.74%	0.39
19	Madhikheda	218.16	1.01%	2.20
20	Total Hydro	1894.10		20.84
	Total	25213.21		978.18



Average Gross Block computation for FY 2027-28

Table No. 10.12.7

in Rs. Crores

Power Station		Adjusted Opening Gross Block 01-04-2027	Asset Additions FY 28	Asset Deductions	Closing Gross Block 31-03-2028	Average Gross Block
1	ATPS PH-3	1132.52			1132.52	1132.52
2	ATPS Chachai	1132.52	0.00	0.00	1132.52	1132.52
3	STPS PH-2&3	562.43	0.00		562.43	562.43
4	STPS PH-4	3276.58			3276.58	3276.58
5	STPS Total	3839.01	0.00	0.00	3839.01	3839.01
6	SGTPS PH-1&2	2208.07			2208.07	2208.07
7	SGTPS PH-3	2049.95	0.00		2049.95	2049.95
8	SGTPS Total	4258.02	0.00	0.00	4258.02	4258.02
9	SSTPP PH-1	7328.49			7328.49	7328.49
10	SSTPP PH-2	6761.07			6761.07	6761.07
11	Total Thermal	23319.11	0.00	0.00	23319.11	23319.11
12	Gandhi Sagar	11.14			11.14	11.14
13	Pench	119.44			119.44	119.44
14	Rajghat	107.43			107.43	107.43
15	Bargi	92.48			92.48	92.48
16	Bansagar PH-1,2&3	1175.45			1175.45	1175.45
17	Bansagar PH-4	116.85			116.85	116.85
18	Birsinghpur	53.15			53.15	53.15
19	Madhikheda	218.16			218.16	218.16
20	Total Hydro	1894.10	0.00	0.00	1894.10	1894.10
Total		25213.21	0.00	0.00	25213.21	25213.21



Depreciation for FY 2027-28

Table No. 10.12.8

in Rs. Crores

	Power Station	Average Gross Block	Wt. Average Rate of Depreciation	Depreciation Amount for FY 28
1	ATPS PH-3	1132.52	1.73%	19.59
2	ATPS Chachai	1132.52		19.59
3	STPS PH-2&3	562.43	0.00%	0.00
4	STPS PH-4	3276.58	5.18%	169.60
5	STPS Total	3839.01		169.60
6	SGTPS PH-1&2	2208.07	0.36%	7.95
7	SGTPS PH-3	2049.95	1.47%	30.13
8	SGTPS Total	4258.02		38.08
9	SSTPP PH-1	7328.49	5.06%	370.81
10	SSTPP PH-2	6761.07	5.22%	353.12
11	Total Thermal	23319.11		951.20
12	Gandhi Sagar	11.14	0.59%	0.07
13	Pench	119.44	0.98%	1.17
14	Rajghat	107.43	1.26%	1.35
15	Bargi	92.48	0.97%	0.90
16	Bansagar PH-1,2&3	1175.45	1.05%	12.34
17	Bansagar PH-4	116.85	0.97%	1.13
18	Birsinghpur	53.15	0.68%	0.36
19	Madhikheda	218.16	0.97%	2.12
20	Total Hydro	1894.10		19.44
	Total	25213.21		970.64



Average Gross Block computation for FY 2028-29

Table No. 10.12.9

in Rs. Crores

Power Station		Adjusted Opening Gross Block 01-04-2028	Asset Additions FY 29	Asset Deductions	Closing Gross Block 31-03-2029	Average Gross Block
1	ATPS PH-3	1132.52			1132.52	1132.52
2	ATPS Chachai	1132.52	0.00	0.00	1132.52	1132.52
3	STPS PH-2&3	562.43			562.43	562.43
4	STPS PH-4	3276.58			3276.58	3276.58
5	STPS Total	3839.01	0.00	0.00	3839.01	3839.01
6	SGTPS PH-1&2	2208.07			2208.07	2208.07
7	SGTPS PH-3	2049.95			2049.95	2049.95
8	SGTPS Total	4258.02	0.00	0.00	4258.02	4258.02
9	SSTPP PH-1	7328.49			7328.49	7328.49
10	SSTPP PH-2	6761.07			6761.07	6761.07
11	Total Thermal	23319.11	0.00	0.00	23319.11	23319.11
12	Gandhi Sagar	11.14			11.14	11.14
13	Pench	119.44			119.44	119.44
14	Rajghat	107.43			107.43	107.43
15	Bargi	92.48			92.48	92.48
16	Bansagar PH-1,2&3	1175.45			1175.45	1175.45
17	Bansagar PH-4	116.85			116.85	116.85
18	Birsinghpur	53.15			53.15	53.15
19	Madhikheda	218.16			218.16	218.16
20	Total Hydro	1894.10	0.00	0.00	1894.10	1894.10
Total		25213.21	0.00	0.00	25213.21	25213.21



Depreciation for FY 2028-29

Table No. 10.12.10

in Rs. Crores

	Power Station	Average Gross Block	Wt. Average Rate of Depreciation	Depreciation Amount for FY 29
1	ATPS PH-3	1132.52	1.60%	18.12
2	ATPS Chachai	1132.52		18.12
3	STPS PH-2&3	562.43	0.00%	0.00
4	STPS PH-4	3276.58	5.18%	169.73
5	STPS Total	3839.01		169.73
6	SGTPS PH-1&2	2208.07	0.30%	6.62
7	SGTPS PH-3	2049.95	1.36%	27.88
8	SGTPS Total	4258.02		34.50
9	SSTPP PH-1	7328.49	5.06%	370.82
10	SSTPP PH-2	6761.07	5.22%	352.93
11	Total Thermal	23319.11		946.10
12	Gandhi Sagar	11.14	0.58%	0.06
13	Pench	119.44	0.94%	1.12
14	Rajghat	107.43	1.19%	1.28
15	Bargi	92.48	0.91%	0.84
16	Bansagar PH-1,2&3	1175.45	0.98%	11.52
17	Bansagar PH-4	116.85	0.93%	1.09
18	Birsinghpur	53.15	0.63%	0.33
19	Madhikheda	218.16	0.93%	2.03
20	Total Hydro	1894.10		18.28
	Total	25213.21		964.38



10.13 The Power Station wise depreciation claimed in the instant petition for FY 2024-25 to FY 2028-29 is summarized as here under:

Depreciation FY 2024-25 to FY 2028-29

Table No. 10.13.1

in Rs. Crores

Power Station		FY 2024-25	FY 2025-26	FY 2026-27	FY 2027-28	FY 2028-29
1	ATPS PH-3	24.92	22.99	21.29	19.59	18.12
2	STPS PH-2&3	0.00	0.00	0.00	0.00	0.00
3	STPS PH-4	169.62	169.59	169.60	169.60	169.73
4	SGTPS PH-1&2	18.55	13.25	9.94	7.95	6.62
5	SGTPS PH-3	38.33	35.26	32.59	30.13	27.88
6	SSTPP PH-1	370.79	370.80	370.80	370.81	370.82
7	SSTPP PH-2	352.93	353.03	353.11	353.12	352.93
9	Total Thermal	975.14	964.92	957.34	951.20	946.10
10	Gandhi Sagar	0.07	0.07	0.07	0.07	0.06
11	Pench	1.36	1.29	1.22	1.17	1.12
12	Rajghat	1.60	1.51	1.43	1.35	1.28
13	Bargi	1.10	1.03	0.95	0.90	0.84
14	Bansagar PH-1,2&3	15.63	14.46	13.40	12.34	11.52
15	Bansagar PH-4	1.29	1.23	1.18	1.13	1.09
16	Madhikheda	2.38	2.29	2.20	2.12	2.03
17	Birsinghpur	0.46	0.425	0.39	0.36	0.33
18	Total Hydro	23.89	22.30	20.84	19.44	18.28
Total		999.02	987.22	978.18	970.64	964.38



10.14 The Power station wise Accumulated Depreciation works out as under:-

Table No. 10.14.1

in Rs. Crores

Power Station	Accumulated depreciation 01-04-2024	Depreciation for FY 2024-25	Depreciation for FY 2025-26	Depreciation for FY 2026-27	Depreciation for FY 2027-28	Depreciation for FY 2028-29	Accumulated depreciation 31-03-2029	% of Gross Block as on 31-03-2029
1 ATPS PH-3	717.28	24.92	22.99	21.29	19.59	18.12	824.19	73%
2 STPS PH-2&3	511.63	0.00	0.00	0.00	0.00	0.00	511.63	90%
3 STPS PH-4	1677.54	169.62	169.59	169.60	169.60	169.73	2525.67	77%
4 SGTPS PH-1&2	1950.69	18.55	13.25	9.94	7.95	6.62	2006.99	90%
5 SGTPS PH-3	1381.25	38.33	35.26	32.59	30.13	27.88	1545.46	75%
6 SSTPP PH-1	3537.52	370.79	370.80	370.80	370.81	370.82	5391.56	74%
7 SSTPP PH-2	1779.82	352.93	353.03	353.11	353.12	352.93	3544.94	52%
9 Total Thermal	11555.74	975.14	964.92	957.34	951.20	946.10	16350.44	
10 Gandhi Sagar	9.74	0.07	0.07	0.07	0.07	0.06	10.07	90%
11 Pench	89.59	1.36	1.29	1.22	1.17	1.12	95.75	80%
12 Rajghat	70.26	1.60	1.51	1.43	1.35	1.28	77.44	72%
13 Bargi	75.51	1.10	1.03	0.95	0.90	0.84	80.33	87%
14 Bansagar PH-1,2&3	914.22	15.63	14.46	13.40	12.34	11.52	981.57	84%
15 Bansagar PH-4	87.95	1.29	1.23	1.18	1.13	1.09	93.86	80%
16 Madhikheda	135.90	2.38	2.29	2.20	2.12	2.03	146.92	67%
17 Birsinghpur	43.40	0.46	0.43	0.39	0.36	0.33	45.38	85%
18 Total Hydro	1426.56	23.89	22.30	20.84	19.44	18.28	1531.31	
Total	12982.30	999.02	987.22	978.18	970.64	964.38	17881.75	

10.15 The Hon'ble Commission is humbly requested to kindly permit the Year Wise and Power Station Wise Depreciation amounts as detailed above.



11 O&M Expenses

11.1 The Hon'ble Commission, in "MPERC (Terms and Conditions of Generation Tariff) Regulations, 2024 {RG-26 (V) of 2024}" Regulation 37, has specified the rates for O&M expenses for Thermal stations for FY 2024-25 to FY 2028-29, as given below.

"37.1 The Operation and Maintenance expenses admissible to the thermal power stations declared under commercial operation prior to 01.04.2012 comprise of employee cost, Repair & Maintenance (R&M) cost and Administrative and General (A&G) cost.

These norms for O&M exclude Pension and Terminal Benefits, EL encashment, and arrears to be paid to employees towards pay revision, taxes payable to the Government, and fees payable to MPERC. The generating company shall claim the rate, rent & taxes payable to the Government, fees to be paid to MPERC, EL encashment and any arrears paid to employees separately as actual.

If the O&M expenses as per norms provided in these Regulations are more than the actual total O&M expenses including arrears if any towards pay revision, as per audited accounts of generating company, the O&M expenses to the extent of normative O&M expenses shall be allowed. The claim of pension and other Terminal Benefits shall be dealt as per Regulation 36.4 of these Regulations".

O&M Norms for Thermal Generating Units achieved CoD prior to 01.04.2012.

Table 11.1.1.

Rs. In Lakhs/MW

Units (MW)	FY 2024-25	FY 2025-26	FY 2026-27	FY 2027-28	FY 2028-29
200/210/250 MW Series	34.20	35.99	37.88	39.87	41.96
500 MW Series	27.17	28.60	30.10	31.68	33.34



“37.2 O&M Norms for the Thermal Generating Units achieved CoD on or after 01.04.2012”:

***O&M Norms for Thermal Generating Units achieved CoD on or after
01.04.2012.***

Table 11.1.2.

Rs. In Lakhs/MW

Units (MW)	FY 2024-25	FY 2025-26	FY 2026-27	FY 2027-28	FY 2028-29
200/210/250 MW Series	40.92	43.07	45.33	47.71	50.21
600/660 MW Series	25.78	27.13	28.56	30.06	31.64

11.2 Hon'ble Commission, in "MPERC (Terms and Conditions of Generation Tariff) Regulations, 2024 {RG-26 (V) of 2024}" clause no. 38.1 & 38.2, has specified the rates for O&M expenses for Hydro stations for FY 2024-25 to FY 2028-29, as given below.

“38.1 The Operation and Maintenance expenses admissible to existing hydro power stations comprise of employee cost, Repair & Maintenance (R&M) cost and Administrative and General (A&G) cost. These norms for O&M exclude Pension and Terminal Benefits, EL encashment, and arrears to be paid to employees, taxes payable to the government, and fees payable to MPERC.

The generating company shall claim the rate, rent & taxes payable to the Government, fees to be paid to MPERC, EL encashment and any arrears paid to employees separately as actual.

If the O&M expenses as per norms provided in these regulations are more than the actual total O&M expenses including arrears, if any towards pay revision, as per audited accounts of generating company, the O&M expenses to the extent of normative. O&M expenses shall be allowed. The claim of pension and Terminal benefits shall be dealt as per the Regulation 36.4 of these Regulations”.



“38.2 The following operations and maintenance expenses norms shall be applicable for the existing hydro generating stations which have achieved COD prior to 01.04.2024”:

O&M Norms for Hydro Power Stations

Table 11.2.1.

Rs. In Lakhs/MW

Hydro Units	FY 2024-25	FY 2025-26	FY 2026-27	FY 2027-28	FY 2028-29
All capacity	13.73	14.48	15.28	16.11	16.99

11.3 Accordingly, power station wise O&M expenses for the control period FY 25 to FY 29 have been computed and tabulated below:-

O&M Expenses for the Power Stations of MPPGCL

Table 11.3.1.

in Rs. Crores

Power Station	Capacity in MW	FY 2024-25	FY 2025-26	FY 2026-27	FY 2027-28	FY 2028-29
ATPS PH 3	210	71.81	75.58	79.55	83.72	88.12
STPS PH-2&3	830	283.82	298.72	314.41	330.91	348.29
STPS PH-4	500	204.60	215.34	226.65	238.55	251.07
SGTPS PH 1&2	840	287.24	302.32	318.19	334.90	352.48
SGTPS PH 3	500	135.85	142.98	150.49	158.39	166.70
SSTPP PH-1	1200	309.36	325.60	342.70	360.69	379.62
SSTPP PH-2	1320	340.30	358.16	376.97	396.76	417.59
Thermal	5400	1632.98	1718.71	1808.95	1903.91	2003.87
Gandhi Sagar (100%)	115	15.79	16.66	17.57	18.53	19.54
Pench (100%)	160	21.97	23.17	24.44	25.78	27.19
Rajghat (100%)	45	6.18	6.52	6.87	7.25	7.65
Bargi	90	12.36	13.03	13.75	14.50	15.29
Bansagar PH-1,2&3	405	55.61	58.66	61.87	65.25	68.82
Bansagar PH-4	20	2.75	2.90	3.06	3.22	3.40
Madhikedha	60	8.24	8.69	9.17	9.67	10.20
Birsinghpur	20	2.75	2.90	3.06	3.22	3.40
Hydro (100%)	915	125.65	132.52	139.77	147.42	155.48
Total (100%)	6315	1758.63	1851.23	1948.71	2051.33	2159.35



- 11.4** At present, Hon'ble Commission has permitted MPPTCL (STU) to make payment of Pension & Terminal Benefits to retired employees of erstwhile MPSEB/MPEB including those of the companies on "Pay as you go basis". The expenses towards Pension & Terminal Benefits have not been covered in the instant petition. In case MPPGCL is vested with such responsibilities in future, it shall approach Hon'ble Commission for allowing the same in tariff.
- 11.5** It is humbly requested before Hon'ble Commission to kindly permit the O&M expenses as elaborated in Para 11.3 above.



12 Interest on Working Capital

12.1 Interest on working capital has been worked out on the Working Capital elements determined in pursuance with the norms approved by Hon'ble Commission in "MPERC (Terms and Conditions of Generation Tariff) Regulations, 2024 {RG-26 (V) of 2024}" clause no. 39.1(A) & 39.1(C).

12.2 Regulations 39.1(A) & (C) provide as below:-

"39.1 The working capital shall cover:

"(A) Coal-based thermal generating stations

- i. Cost of coal towards stock for 10 days for pit-head generating stations and 20 days for non-pit-head generating stations for generation corresponding to the normative annual plant availability factor or the maximum coal stock storage capacity whichever is lower;*
- ii. Advance payment for 30 days towards cost of coal for generation corresponding to the normative annual plant availability factor;*
- iii. Cost of secondary fuel oil for two months for generation corresponding to the normative annual plant availability factor, and in case of use of more than one secondary fuel oil, cost of fuel oil stock for the main secondary fuel oil;*
- iv. Operation and maintenance expenses, including water charges and security expenses for one month;*
- v. Maintenance spares @ 20% of operation and maintenance expenses, including water charges and security expenses; and*
- vi. Receivables equivalent to 45 days of capacity charges and energy charges for sale of electricity calculated on the normative annual plant availability factor."*

"(C) Hydro generating station (including pumped storage hydro generating station):

- (i) Operation and maintenance expenses, including security expenses for one month;*



- (ii) *Maintenance spares @ 15% of operation and maintenance expenses including security expenses; and*
- (iii) *Receivables equivalent to 45 days of Annual fixed cost."*

12.3 Regulation 39.2 of MPERC (Terms and Conditions of Generation Tariff) Regulations, 2024 {RG-26 (V) of 2024} provides as below:-

"39.2 The cost of fuel in cases covered under Regulations 39.1(A) and 39.1(B) of this Regulation shall be based on the landed fuel cost incurred (taking into account normative transit and handling losses) by the generating station and gross calorific value of the fuel as per actual weightage average for the preceding financial year and no fuel price escalation shall be provided during the Control period:

Provided that in case of new generating station, the cost of fuel for the first financial year shall be considered based on landed fuel cost (taking into account normative transit and handling losses) and gross calorific value of the fuel as per actual weighted average for three months, as used for infirm power, preceding date of commercial operation for which tariff is to be determined."

12.4 Regulation 39.3 of MPERC (Terms and Conditions of Generation Tariff) Regulations, 2024 {RG-26 (V) of 2024} provides as below:-

"39.3 Rate of interest on working capital shall be on normative basis and shall be considered at the Reference Rate of Interest as on 1.4.2024 or as on 1st April of the year during the tariff period 2024-25 to 2028-29 in which the generating station or a unit thereof, is declared under commercial operation, whichever is later:

Provided that in case of truing-up, the rate of interest on working capital shall be considered at Reference Rate of Interest as on 1st April of each of the financial year during the tariff period 2024-29."

12.5 The Reference Rate has been defined in the MPERC (Terms and Conditions of Generation Tariff) Regulations, 2024 {RG-26 (V) of 2024} provides as below:-

"Reference Rate of Interest' means the one-year marginal cost of funds based lending rate (MCLR) of the State Bank of India (SBI) issued from time to time plus 325 basis points;"



The MCLR of SBI as on 01.04.2024 is 8.65%. Therefore, the Reference Rate of Interest considered for working out the Interest on Working Capital is 8.65% + 3.25% = 11.90%.

12.6 Based on above norms, the Power station wise Working capital and Interest on Working Capital for FY 2024-25 works out as under:

Interest on Working Capital for FY 2024-25

Table No. 12.6.1

(Amount in Cr. Rs.)

Name of Power Station	Coal cost for 20 days Stock + 30 days Advance payment	Oil Cost 2 months	Maintenance Spare 20% (Thermal)/ 15% (Hydel) of O&M expenses +	Receivable 45 days	O&M expense 1 month+	Total Working Capital	Rate of Interest (8.65+ 3.25)%	Interest on WC
ATPS PH 3	40.17	0.68	15.81	57.36	6.59	120.61	11.90%	14.35
STPS PH-2&3	216.48	9.90	59.41	250.10	24.75	560.64	11.90%	66.72
STPS PH-4	141.63	2.07	42.51	205.13	17.71	409.05	11.90%	48.68
SGTPS PH 1&2	190.25	6.51	61.27	234.72	25.53	518.28	11.90%	61.68
SGTPS PH 3	123.77	1.91	29.44	151.22	12.27	318.61	11.90%	37.91
SSTPP PH-1	380.68	4.52	68.99	498.75	28.74	981.68	11.90%	116.82
SSTPP PH-2	386.97	4.97	75.88	519.04	31.62	1018.49	11.90%	121.20
Thermal	1479.94	30.57	353.31	1916.32	147.21	3927.35	11.90%	467.36
Gandhi Sagar			2.47	2.11	1.37	5.95	11.90%	0.71
Pench			3.40	3.82	1.89	9.11	11.90%	1.08
Rajghat			0.95	1.55	0.53	3.04	11.90%	0.36
Bargi			1.87	2.30	1.04	5.22	11.90%	0.62
Bansagar PH-1,2&3			8.77	16.39	4.87	30.04	11.90%	3.57
Bansagar PH-4			0.43	1.24	0.24	1.91	11.90%	0.23
Madhikedha			1.36	2.46	0.76	4.58	11.90%	0.54
Birsinghpur HPS			0.41	0.73	0.23	1.37	11.90%	0.16
Hydro Total	0.00	0.00	19.68	30.61	10.93	61.22	11.90%	7.29
Total	1479.94	30.57	372.98	1946.94	158.14	3988.57	11.90%	474.64



12.7 The Power station wise Working capital and Interest on Working Capital for FY 2025-26 works out as under:

Interest on Working Capital for FY 2025-26

Table No. 12.7.1

(Amount in Cr. Rs.)

Name of Power Station	Coal cost for 20 days Stock + 30 days Advance payment	Oil Cost 2 months	Maintenance Spare 20% (Thermal)/ 15% (Hydel) of O&M expenses +	Receivable 45 days	O&M expense 1 month+	Total Working Capital	Rate of Interest (8.65+ 3.25)%	Interest on WC
ATPS PH 3	40.17	0.68	16.73	57.25	6.97	121.79	11.90%	14.49
STPS PH-2&3	216.48	9.90	62.57	252.03	26.07	567.06	11.90%	67.48
STPS PH-4	141.63	2.07	44.77	204.37	18.66	411.50	11.90%	48.97
SGTPS PH 1&2	190.25	6.51	64.45	236.02	26.86	524.09	11.90%	62.37
SGTPS PH 3	123.77	1.91	30.97	151.19	12.90	320.74	11.90%	38.17
SSTPP PH-1	380.68	4.52	72.75	496.18	30.31	984.44	11.90%	117.15
SSTPP PH-2	386.97	4.97	80.02	516.95	33.34	1022.26	11.90%	121.65
Thermal	1479.94	30.57	372.27	1913.98	155.11	3951.88	11.90%	470.27
Gandhi Sagar			2.61	2.22	1.45	6.28	11.90%	0.75
Pench			3.59	3.95	2.00	9.53	11.90%	1.13
Rajghat			1.01	1.59	0.56	3.16	11.90%	0.38
Bargi			1.98	2.38	1.10	5.46	11.90%	0.65
Bansagar PH-1,2&3			9.27	16.64	5.15	31.06	11.90%	3.70
Bansagar PH-4			0.46	1.25	0.25	1.96	11.90%	0.23
Madhikedha			1.44	2.47	0.80	4.71	11.90%	0.56
Birsinghpur HPS			0.43	0.75	0.24	1.42	11.90%	0.17
Hydro Total		0.00	20.80	31.24	11.55	63.59	11.90%	7.57
Total	1479.94	30.57	393.07	1945.22	166.67	4015.47	11.90%	477.84



12.8 The Power station wise Working capital and Interest on Working Capital for FY 2026-27 works out as under:

Interest on Working Capital for FY 2026-27

Table No. 12.8.1

(Amount in Cr. Rs.)

Name of Power Station	Coal cost for 20 days Stock + 30 days Advance payment	Oil Cost 2 months	Maintenance Spare 20% (Thermal)/ 15% (Hydel) of O&M expenses +	Receivable 45 days	O&M expense 1 month+	Total Working Capital	Rate of Interest (8.65+ 3.25)%	Interest on WC
ATPS PH 3	40.17	0.68	17.64	57.21	7.35	123.05	11.90%	14.64
STPS PH-2&3	216.48	9.90	65.91	254.06	27.46	573.82	11.90%	68.28
STPS PH-4	141.63	2.07	47.16	203.69	19.65	414.20	11.90%	49.29
SGTPS PH 1&2	190.25	6.51	67.86	237.66	28.27	530.55	11.90%	63.14
SGTPS PH 3	123.77	1.91	32.61	151.49	13.59	323.36	11.90%	38.48
SSTPP PH-1	380.68	4.52	76.55	493.71	31.89	987.35	11.90%	117.49
SSTPP PH-2	386.97	4.97	84.20	514.97	35.08	1026.20	11.90%	122.12
Thermal	1479.94	30.57	391.93	1912.78	163.30	3978.53	11.90%	473.45
Gandhi Sagar			2.75	2.34	1.53	6.61	11.90%	0.79
Pench			3.78	4.08	2.10	9.97	11.90%	1.19
Rajghat			1.07	1.62	0.59	3.28	11.90%	0.39
Bargi			2.08	2.46	1.16	5.70	11.90%	0.68
Bansagar PH-1,2&3			9.76	16.92	5.42	32.09	11.90%	3.82
Bansagar PH-4			0.48	1.26	0.27	2.01	11.90%	0.24
Madhikedha			1.52	2.49	0.84	4.84	11.90%	0.58
Birsinghpur HPS			0.46	0.77	0.25	1.48	11.90%	0.18
Hydro Total		0.00	21.89	31.94	12.16	65.99	11.90%	7.85
Total	1479.94	30.57	413.82	1944.72	175.47	4044.52	11.90%	481.30



12.9 The Power station wise Working capital and Interest on Working Capital for FY 2027-28 works out as under:

Interest on Working Capital for FY 2027-28

Table No. 12.9.1

(Amount in Cr. Rs.)

Name of Power Station	Coal cost for 20 days Stock + 30 days Advance payment	Oil Cost 2 months	Maintenance Spare 20% (Thermal)/ 15% (Hydel) of O&M expenses +	Receivable 45 days	O&M expense 1 month+	Total Working Capital	Rate of Interest (8.65+ 3.25)%	Interest on WC
ATPS PH 3	40.17	0.68	18.61	57.17	7.76	124.39	11.90%	14.80
STPS PH-2&3	216.48	9.93	69.44	256.05	28.93	580.83	11.90%	69.12
STPS PH-4	141.63	2.08	49.67	202.88	20.70	416.95	11.90%	49.62
SGTPS PH 1&2	190.25	6.53	71.45	239.40	29.77	537.39	11.90%	63.95
SGTPS PH 3	123.77	1.92	34.34	152.02	14.31	326.34	11.90%	38.83
SSTPP PH-1	380.68	4.53	80.54	490.96	33.56	990.27	11.90%	117.84
SSTPP PH-2	386.97	4.99	88.60	512.66	36.92	1030.14	11.90%	122.59
Thermal	1479.94	30.65	412.64	1911.14	171.93	4006.32	11.90%	476.75
Gandhi Sagar			2.89	2.46	1.61	6.95	11.90%	0.83
Pench			3.99	4.22	2.21	10.42	11.90%	1.24
Rajghat			1.12	1.66	0.62	3.40	11.90%	0.41
Bargi			2.20	2.54	1.22	5.96	11.90%	0.71
Bansagar PH-1,2&3			10.26	17.17	5.70	33.14	11.90%	3.94
Bansagar PH-4			0.51	1.28	0.28	2.07	11.90%	0.25
Madhikedha			1.59	2.50	0.88	4.97	11.90%	0.59
Birsinghpur HPS			0.48	0.78	0.27	1.53	11.90%	0.18
Hydro Total		0.00	23.04	32.60	12.80	68.44	11.90%	8.14
Total	1479.94	30.65	435.68	1943.75	184.73	4074.76	11.90%	484.90



12.10 The Power station wise Working capital and Interest on Working Capital for FY 2028-29 works out as under:

Interest on Working Capital for FY 2028-29

Table No. 12.10.1

(Amount in Cr. Rs.)

Power Station	Coal cost for 20 days Stock + 30 days Advance payment	Oil Cost 2 months	Maintenance Spare 20% (Thermal)/ 15% (Hydel) of O&M expenses +	Receivable 45 days	O&M expense 1 month+	Total Working Capital	Rate of Interest (8.65+ 3.25)%	Interest on WC
ATPS PH 3	40.17	0.68	19.64	57.32	8.18	125.99	11.90%	14.99
STPS PH-2&3	216.48	9.90	73.15	258.45	30.48	588.46	11.90%	70.03
STPS PH-4	141.63	2.07	52.32	202.58	21.80	420.40	11.90%	50.03
SGTPS PH 1&2	190.25	6.51	75.22	241.69	31.34	545.02	11.90%	64.86
SGTPS PH 3	123.77	1.91	36.15	152.92	15.06	329.82	11.90%	39.25
SSTPP PH-1	380.68	4.52	84.74	489.13	35.31	994.38	11.90%	118.33
SSTPP PH-2	386.97	4.97	93.22	511.36	38.84	1035.36	11.90%	123.21
Thermal	1479.94	30.57	434.44	1913.46	181.02	4039.43	11.90%	480.69
Gandhi Sagar			3.04	2.59	1.69	7.32	11.90%	0.87
Pench			4.20	4.39	2.33	10.91	11.90%	1.30
Rajghat			1.18	1.70	0.66	3.54	11.90%	0.42
Bargi			2.32	2.65	1.29	6.25	11.90%	0.74
Bansagar PH-1,2&3			10.80	17.58	6.00	34.38	11.90%	4.09
Bansagar PH-4			0.53	1.30	0.30	2.13	11.90%	0.25
Madhikedha			1.67	2.54	0.93	5.13	11.90%	0.61
Birsinghpur HPS			0.51	0.80	0.28	1.59	11.90%	0.19
Hydro Total		0.00	24.25	33.54	13.47	71.26	11.90%	8.48
Total	1479.94	30.57	458.69	1946.99	194.49	4110.69	11.90%	489.17



12.11 Accordingly, the Power Station wise summary of Interest on Working Capital claimed in the instant petition for control period from FY 2024-25 to FY 2028-29 is tabulated hereunder:

Interest on Working Capital for FY 2024-25 to FY 2028-29

Table No. 12.11.1

(Amount in Cr. Rs.)

Power Station	FY 2024-25	FY 2025-26	FY 2026-27	FY 2027-28	FY 2028-29
ATPS PH 3	14.35	14.49	14.64	14.80	14.99
STPS PH-2&3	66.72	67.48	68.28	69.12	70.03
STPS PH-4	48.68	48.97	49.29	49.62	50.03
SGTPS PH 1&2	61.68	62.37	63.14	63.95	64.86
SGTPS PH 3	37.91	38.17	38.48	38.83	39.25
SSTPP PH-1	116.82	117.15	117.49	117.84	118.33
SSTPP PH-2	121.20	121.65	122.12	122.59	123.21
Thermal	467.36	470.27	473.45	476.75	480.69
Gandhi Sagar	0.71	0.75	0.79	0.83	0.87
Pench	1.08	1.13	1.19	1.24	1.30
Rajghat	0.36	0.38	0.39	0.41	0.42
Bargi	0.62	0.65	0.68	0.71	0.74
Bansagar PH-1,2&3	3.57	3.70	3.82	3.94	4.09
Bansagar PH-4	0.23	0.23	0.24	0.25	0.25
Madhikedha	0.54	0.56	0.58	0.59	0.61
Birsinghpur HPS	0.16	0.17	0.18	0.18	0.19
Hydro Total	7.29	7.57	7.85	8.14	8.48
Total	474.64	477.84	481.30	484.90	489.17

12.12 It is humbly requested before Hon'ble Commission to kindly permit the same.



13 *Special Allowance*

13.1 The proviso 28 of "MPERC (Terms and Conditions of Generation Tariff) Regulations, 2024 {RG-26 (V) of 2024}" provides as below:

"28.1 In case of coal-based thermal generating station, the Generating Company, instead of availing R&M may opt to avail a 'Special Allowance' in accordance with the norms specified in this Regulation, as compensation for meeting the requirement of expenses towards any additional capital expenditure covered in Regulations 23, 24, 25 and 26, except for capital expenditure arising out of change in law, award of arbitration or for compliance of the directions or order of any statutory authority, or order or decree of any court of law, and force majeure after completion of 25 years from the date of Commercial operation of the generating station or a unit thereof, and in such an event, upward revision of the capital cost shall not be allowed and the applicable operational norms shall not be relaxed but the special allowance shall be included in the annual fixed cost:

Provided that such option shall not be available for a generating station or unit thereof for which renovation and modernization has been undertaken and the expenditure has been admitted by the Commission before commencement of these Regulations, or for a generating station or unit which is in a depleted condition or operating under relaxed operational and performance norms:

Provided further that special allowance shall also be available for a generating station which has availed the special allowance during the tariff period 2013-14 to 2015-16 or 2016- 17 to 2018-19 or 2019-20 to 2023-24 as applicable from the date of completion of the useful life".

13.2 The Hon'ble Commission vide order dated 14.07.2016 in petition No. 08 of 2016 has permitted Special Allowance for the Units of PH-2 & 3 STPS, Sarni.

Similarly, Hon'ble Commission vide order dated 27.07.2023 in petition No. 11 of 2023 has permitted Special Allowance for (2x210MW) Units



PH-1 SGTPS, Birsinghpur and vide order dated 17.01.2024 in petition No. 52 of 2023 has permitted Special Allowance for Units No. 3 (210MW) of PH-2 SGTPS, Birsinghpur from FY 2022-23 onwards.

MPPGCL has also filed petition No. 47 of 2024 before Hon'ble Commission for opting Special Allowance for Units No. 4 (210MW) of PH-2 SGTPS, Birsinghpur w.e.f 23.11.2024 onwards, which is in hearing stage.

13.3 Regulation 28.2 of the MPERC (Terms and Conditions for Determination of Generation Tariff) Regulations, 2024 provides that the special allowance admissible to the generating station shall be @ Rs. 10.75 Lakh /MW/ Year for the tariff period FY 2025 to FY 2029.

Accordingly, the Special Allowance for STPS PH-2&3, Sarni and SGTPS PH-I & II, Birsinghpur have been calculated and detailed in tables below:

Special Allowance for STPS PH-2&3, Sarni

Table 13.3.1

(in Rs. Crores)

Power Station	Capacity in MW	FY 2024-25	FY 2025-26	FY 2026-27	FY 2027-28	FY 2028-29
STPS PH 2&3	830	89.23	89.23	89.23	89.23	89.23

Special Allowance for SGTPS PH-1& 2, Birsinghpur

Table 13.3.2

(in Rs. Crores)

Power Station	Capacity in MW	FY 2024-25	FY 2025-26	FY 2026-27	FY 2027-28	FY 2028-29
SGTPS #1	210	22.58	22.58	22.58	22.58	22.58
SGTPS #2	210	22.58	22.58	22.58	22.58	22.58
SGTPS #3	210	22.58	22.58	22.58	22.58	22.58
SGTPS #4	210	7.98	22.58	22.58	22.58	22.58
Total	840	75.71	90.30	90.30	90.30	90.30



- 13.4** It is humbly requested before the Hon'ble Commission to kindly permit the Special Allowance for the Power Stations as mentioned above for this MYT control period also.



14 Pension & Terminal Benefits.

- 14.1** Regulation 36.4 of MPERC (Terms and Conditions for Determination of Generation Tariff) Regulations, 2024 specifies as below:

“36.4 In respect of Madhya Pradesh Power Generating Company Ltd., the employee expenses considered in the above Operation and Maintenance expenses are excluding the pension and other terminal benefits. The funding of pension and other terminal benefit in respect of personnel including existing pensioners of the Board and Pensioner’s of Madhya Pradesh Power Generating Company Ltd. shall be allowed in accordance with MPERC (Terms and Conditions for allowing pension and terminal benefits liabilities of personnel of the board and successor entities) Regulations and its amendment, if any.”

- 14.2** Accordingly, as per the prevailing practice, expenditure towards Pension & Terminal benefits are being claimed by Transmission Licensee, i.e., MPPTCL on ‘pay as you go’ principal, subject to true-up in each year on availability of actual figures. Therefore, MPPGCL has not claimed these expenses in this Multi Year Tariff petition for the control period FY 2024-25 to FY 2028-29. However, in future, in case of change in Law or in case of any order of Government of MP in this regard, the same shall be claimed by MPPGCL, accordingly.



15 Other Charges

- 15.1** Regulation 37 of MPERC (Terms and Conditions for Determination of Generation Tariff) Regulations, 2024 provides the norms for Operation and Maintenance (O&M) expenses admissible to Thermal Generating Stations. Regulation 37.1 of MPERC (Terms and Conditions for Determination of Generation Tariff) Regulations, 2024 mentions that the norms for O&M exclude Pension and Terminal Benefits, EL encashment, and arrears to be paid to employees towards pay revision, taxes payable to the Government, and fees payable to MPERC, and that the generating company shall claim the rate, rent & taxes payable to the Government, fees to be paid to MPERC, EL encashment and any arrears paid to employees separately as actual. Regulation 37.2 provides that the Water Charges, Security Expenses, Ash Transportation Expenses and Capital Spares for thermal generating stations shall be allowed separately after prudence check.
- 15.2** Regulation 38 of MPERC (Terms and Conditions for Determination of Generation Tariff) Regulations, 2024 provides the norms for Operation and Maintenance (O&M) expenses admissible to Hydro Generating Stations. Regulation 38.1 of MPERC (Terms and Conditions for Determination of Generation Tariff) Regulations, 2024 provides that the norms for O&M exclude Pension and Terminal Benefits, EL encashment, and arrears to be paid to employees, taxes payable to the government, and fees payable to MPERC and that the generating company shall claim the rate, rent & taxes payable to the Government, fees to be paid to MPERC, EL encashment and any arrears paid to employees separately as actual. Regulation 38.5 provides that the Security Expenses, Capital Spares and Insurance expenses arrived through competitive bidding for hydro generating stations shall be allowed separately after prudence check.
- 15.3** Accordingly, the following Other Charges are being claimed in this petition.



15.3.1 MPERC FEE

MPPGCL has worked out the Fees payable to the Hon'ble Commission for the period FY 2024-25 in accordance with the MPERC Fees, Fines & Charges (Revision-I) Regulation 2010 {RG-21(I) of 2010} read with First Amendment to Regulations, 2010 {ARG-21(I)(i) of 2016}. MPPGCL has, accordingly, made the payment of MPERC Fee amounting to Rs. 1.263 Crores for FY 2024-25, through e-Transfer, and has communicated the same to the Hon'ble Commission vide letter No. 127 dated 08.02.2024. Subsequently Hon'ble Commission has notified the Madhya Pradesh Electricity Regulatory Commission (Fees, Fines and Charges) (Revision-II) Regulations, 2024 on 27.06.2024 which shall be applicable from FY2025-26 onwards.

Accordingly, the Year Wise applicable MPERC Fee is elaborated in the tables below:-

MPERC Fee Applicable for FY 2024-25

Table 15.3.1.1

in Rs. Crores

Power Station		Installed Capacity (MW)	Rate of MPERC Fee (Rs./MW)	Fee Applicable for FY25 (Rs. Crores)
1	ATPS PH-3	210	2000	0.042
2	STPS PH-2&3	830	2000	0.166
3	STPS PH-4	500	2000	0.100
4	SGTPS PH-1&2	840	2000	0.168
5	SGTPS PH-3	500	2000	0.100
6	SSTPP PH-1	1200	2000	0.240
7	SSTPP PH-2	1320	2000	0.264
8	Total Thermal	5400	2000	1.080
9	Gandhi Sagar HPS	115	2000	0.023
10	Pench HPS	160	2000	0.032
11	Rajghat HPS	45	2000	0.009
12	Bargi HPS	90	2000	0.018
13	Bansagar PH-1,2&3 HPS	405	2000	0.081
14	Bansagar PH-4 HPS	20	2000	0.004
15	Madhikheda HPS	60	2000	0.012
16	Birsinghpur HPS	20	2000	0.004
17	Total Hydro	915	2000	0.183
Total		6315	2000	1.263



MPERC Fee Applicable for FY 2025-26 to FY 2028-29

Table 15.3.1.2

in Rs. Crores

Power Station		Installed Capacity (MW)	MPERC Fees	FY 26	FY 27	FY 28	FY 29
1	ATPS PH-3	210	5000	0.105	0.105	0.105	0.105
2	STPS PH-2&3	830	5000	0.415	0.415	0.415	0.415
3	STPS PH-4	500	5000	0.250	0.250	0.250	0.250
4	SGTPS PH-1&2	840	5000	0.420	0.420	0.420	0.420
5	SGTPS PH-3	500	5000	0.250	0.250	0.250	0.250
6	SSTPP PH-1	1200	5000	0.600	0.600	0.600	0.600
7	SSTPP PH-2	1320	5000	0.660	0.660	0.660	0.660
8	Total Thermal	5400	5000	2.700	2.700	2.700	2.700
9	Gandhi Sagar HPS	115	5000	0.058	0.058	0.058	0.058
10	Pench HPS	160	5000	0.080	0.080	0.080	0.080
11	Rajghat HPS	45	5000	0.023	0.023	0.023	0.023
12	Bargi HPS	90	5000	0.045	0.045	0.045	0.045
13	Bansagar PH-1,2&3 HPS	405	5000	0.203	0.203	0.203	0.203
14	Bansagar PH-4 HPS	20	5000	0.010	0.010	0.010	0.010
15	Madhikheda HPS	60	5000	0.030	0.030	0.030	0.030
16	Birsinghpur HPS	20	5000	0.010	0.010	0.010	0.010
17	Total Hydro	915	5000	0.458	0.458	0.458	0.458
Total		6315	5000	3.158	3.158	3.158	3.158

15.3.2 WATER CHARGES

The Water Charges payable to GoMP have been worked out for Thermal and Hydro Power stations separately on the basis of rates specified by WRD in accordance with the agreements signed with MPPGCL. The projected Water Charges for Thermal Power Station for FY 2024-25 to FY 2028-29 are detailed hereunder:-

Water Charges payable to GoMP for Thermal Power Stations

Table 14.3.2.1

in Rs. Crores

Power Station	Installed Capacity (MW)	FY 2024-25	FY 2025-26	FY 2026-27	FY 2027-28	FY 2028-29
ATPS PH 3	210	3.48	3.66	3.84	4.03	4.23
STPS PH-2&3	830	7.08	7.43	7.80	8.19	8.60
STPS PH-4	500	4.26	4.48	4.70	4.93	5.18



Power Station	Installed Capacity (MW)	FY 2024-25	FY 2025-26	FY 2026-27	FY 2027-28	FY 2028-29
SGTPS PH 1&2	840	16.05	16.85	17.69	18.58	19.51
SGTPS PH 3	500	9.55	10.03	10.53	11.06	11.61
SSTPP PH-1	1200	30.38	31.89	33.49	35.16	36.92
SSTPP PH-2	1320	33.41	35.08	36.84	38.68	40.61
Thermal	5400	104.21	109.42	114.90	120.64	126.67

Similarly, the projected Water Charges for Hydro Power Station for FY 2024-25 to FY 2028-29 are detailed as hereunder:

Water Charges payable to GoMP for Hydro Power Stations

Table 15.3.2.2

in Rs. Crores

Power Station	Installed Capacity (MW)	FY 2024-25	FY 2025-26	FY 2026-27	FY 2027-28	FY 2028-29
Gandhi Sagar	115	27.09	27.93	28.77	29.61	30.45
Pench	160	0.00	0.00	0.00	0.00	0.00
Rajghat	45	0.00	0.00	0.00	0.00	0.00
Bargi	90	24.21	25.03	25.84	26.65	27.47
Bansagar PH-1,2&3	405	25.54	26.69	27.85	29.00	30.16
Bansagar PH-4	20	1.78	1.86	1.94	2.02	2.10
Madhikedha	60	4.76	4.91	5.06	5.21	5.36
Birsinghpur	20	1.15	1.20	1.25	1.31	1.36
Hydro Total	915.00	84.53	87.62	90.71	93.80	96.89

15.3.3 RENT, RATE & TAXES

The Power station wise details of Rent, Rate and Taxes have been projected for FY 2024-25 to FY 2028-29 based on actual data from FY 2018-19 to FY 2022-23 and escalation thereafter. The values so derived are detailed hereunder:-

Power Station Wise Details of Rent, Rate and Taxes

Table 15.3.3.1

in Rs. Crores

Power Station	FY-25	FY-26	FY-27	FY-28	FY-29
ATPS	0.03	0.03	0.03	0.03	0.03
STPS PH-2&3	1.36	1.43	1.51	1.59	1.67
STPS PH-4	1.15	1.21	1.28	1.34	1.42
SGTPS PH-1&2	0.06	0.07	0.07	0.07	0.08
SGTPS PH-3	0.04	0.04	0.04	0.04	0.05
SSTPP PH-1	0.06	0.06	0.07	0.07	0.07



Power Station	FY-25	FY-26	FY-27	FY-28	FY-29
SSTPP PH-2	0.02	0.02	0.02	0.02	0.02
Total Thermal	2.72	2.86	3.01	3.17	3.34
Gandhisagar	0.01	0.01	0.01	0.02	0.02
Pench	0.00	0.00	0.00	0.00	0.00
Rajghat	0.01	0.01	0.01	0.01	0.01
Bargi	0.00	0.00	0.00	0.00	0.00
Bansagar- PH-1,2 & 3	0.21	0.22	0.24	0.25	0.26
Bansagar- PH-4	0.01	0.01	0.01	0.01	0.01
Madhikheda	0.01	0.01	0.01	0.01	0.01
Bisinghpur	0.00	0.00	0.00	0.00	0.00
Total Hydel	0.26	0.27	0.29	0.30	0.32
TOTAL	2.98	3.14	3.30	3.47	3.66

15.3.4 SECURITY EXPENSES

The Power station wise details of Security Expenses projected for FY 2024-25 to FY 2028-29 are detailed as hereunder:

Power station wise details of Security Expenses

Table 15.3.4.1

in Rs. Crores

Power Station	FY 2024-25	FY 2025-26	FY 2026-27	FY 2027-28	FY 2028-29
ATPS PH 3	3.73	4.39	4.83	5.31	5.84
STPS PH-2&3	6.13	6.72	7.36	8.07	8.85
STPS PH-4	3.69	4.05	4.43	4.86	5.33
SGTPS PH 1&2	3.06	3.10	3.41	3.75	4.13
SGTPS PH 3	1.82	1.84	2.03	2.23	2.46
SSTPP PH-1	5.19	6.25	6.55	6.87	7.17
SSTPP PH-2	5.71	6.88	7.20	7.56	7.89
Thermal	29.33	33.22	35.81	38.65	41.66
Gandhi Sagar	0.66	0.73	0.73	0.73	0.73
Pench	0.71	0.78	0.79	0.79	0.79
Rajghat	0.18	0.24	0.24	0.24	0.24
Bargi	0.14	0.15	0.15	0.15	0.15
Bansagar PH-1,2&3	2.86	3.15	3.17	3.18	3.18
Bansagar PH-4	0.14	0.16	0.16	0.16	0.16
Madhikedha	0.84	0.93	0.93	0.94	0.94
Birsinghpur	0.00	0.00	0.00	0.00	0.00
Hydro Total	5.53	6.13	6.18	6.19	6.19
Total	34.86	39.35	42.00	44.84	47.85



15.3.5 EXPENSES TOWARDS FLY ASH UTILIZATION & TRANSPORTATION.

The Regulation 37.2 of MPERC (Terms and Conditions for Determination of Generation Tariff) Regulations, 2024 read with Regulation 66.4 of MPERC (Terms and Conditions for Determination of Generation Tariff) Regulations, 2024 provides for recovery of Expenses towards Fly Ash utilization & transportation, which shall be payable in accordance to the directives issued by Government of India, Ministry of Environment, Forest and Climate Change vide Notification No. S.O. 5481 (E) dated 31.12.2021 and subsequent amendment issued from time to time.

MPPGCL has projected the Thermal Power Station wise expenses towards Fly Ash utilization and Transportation for the period FY 2024-25 to FY 2028-29 which are summarized as below:-

Power Station Wise Expenses Towards Fly Ash utilization & Transportation

Table 15.3.5.1 in Rs. Crores

SI No	Power Station	FY 25	FY 26	FY 27	FY 28	FY 29
1	ATPS PH 3	8.24	7.74	7.31	6.80	6.80
2	STPS PH-2&3	26.19	25.20	25.20	26.19	26.19
3	STPS PH-4	15.63	15.04	15.04	15.63	15.63
4	SGTPS PH(1&2)	31.24	21.51	21.51	25.71	25.71
5	SGTPS PH 3	17.38	11.97	11.97	14.31	14.31
6	SSTPP PH-1	142.79	135.45	128.43	83.87	83.87
7	SSTPP PH-2	147.55	139.97	132.71	86.67	86.67
	Thermal-Total	389.02	356.87	342.16	259.19	259.19

15.4 The expenses towards the duties, levies payable to the Government, EL encashment, any Arrears paid to Employees, Publication Expenses, Other Statutory Charges, etc., shall be claimed separately. MPPGCL



shall claim these expenses on actuals at the time of True up of respective years.

15.5 MPPGCL humbly submits before Hon'ble Commission that in the instant tariff petition, the Non-Tariff Income has not been projected, the treatment of same shall be considered at the time of True up of respective years on actuals.

15.6 The Other Charges claimed for the Power Stations of MPPGCL, as detailed in the above paras, are summarized Year Wise in the tables below for the control period FY 2024-25 to FY 2028-29:-

Other Charges for FY 2024-25

Table 15.6.1

in Rs. Crores

Power Station	MPERC Fee	Water Charges	Rent. Rates & Taxes	Fly Ash Transportation & utilization expenditure	Security Expenses	Total
ATPS PH 3	0.04	3.48	0.03	8.24	3.73	15.52
STPS PH2&3	0.17	7.08	1.36	26.19	6.13	40.93
STPS PH-4	0.10	4.26	1.15	15.63	3.69	24.84
SGTPS PH 1&2	0.17	16.05	0.06	31.24	3.06	50.58
SGTPS PH 3	0.10	9.55	0.04	17.38	1.82	28.90
SSTPP PH-1	0.24	30.38	0.06	142.79	5.19	178.65
SSTPP PH-2	0.26	33.41	0.02	147.55	5.71	186.95
Thermal	1.08	104.21	2.72	389.02	29.33	526.37
Gandhi Sagar	0.02	27.09	0.01	0.00	0.66	27.79
Pench	0.03	0.00	0.00	0.00	0.71	0.75
Rajghat	0.01	0.00	0.01	0.00	0.18	0.20
Bargi	0.02	24.21	0.00	0.00	0.14	24.37
Bansagar PH-1,2&3	0.08	25.54	0.21	0.00	2.86	28.69
Bansagar PH-4	0.00	1.78	0.01	0.00	0.14	1.93
Madhikedha	0.01	4.76	0.01	0.00	0.84	5.63
Birsinghpur	0.00	1.15	0.00	0.00	0.00	1.15
Hydro Total	0.18	84.53	0.26	0.00	5.53	90.50
Total	1.26	188.74	2.98	389.02	34.86	616.87



Other Charges for FY 2025-26

Table 15.6.2

in Rs. Crores

Power Station	MPERC Fee	Water Charges	Rent. Rates & Taxes	Fly Ash Transportation & utilization expenditure	Security Expenses	Total
ATPS PH 3	0.11	3.66	0.03	7.74	4.39	15.92
STPS PH2&3	0.42	7.43	1.43	25.20	6.72	41.19
STPS PH-4	0.25	4.48	1.21	15.04	4.05	25.03
SGTPS PH 1&2	0.42	16.85	0.07	21.51	3.10	41.95
SGTPS PH 3	0.25	10.03	0.04	11.97	1.84	24.13
SSTPP PH-1	0.60	31.89	0.06	135.45	6.25	174.26
SSTPP PH-2	0.66	35.08	0.02	139.97	6.88	182.61
Thermal	2.70	109.42	2.86	356.87	33.22	505.08
Gandhi Sagar	0.06	27.93	0.01	0.00	0.73	28.73
Pench	0.08	0.00	0.00	0.00	0.78	0.87
Rajghat	0.02	0.00	0.01	0.00	0.24	0.27
Bargi	0.05	25.03	0.00	0.00	0.15	25.22
Bansagar PH-1,2&3	0.20	26.69	0.22	0.00	3.15	30.26
Bansagar PH-4	0.01	1.86	0.01	0.00	0.16	2.03
Madhikedha	0.03	4.91	0.01	0.00	0.93	5.88
Birsinghpur	0.01	1.20	0.00	0.00	0.00	1.21
Hydro Total	0.46	87.62	0.27	0.00	6.13	94.48
Total	3.16	197.04	3.14	356.87	39.35	599.56

Other Charges for FY 2026-27

Table 15.6.3

in Rs. Crores

Power Station	MPERC Fee	Water Charges	Rent. Rates & Taxes	Fly Ash Transportation & utilization expenditure	Security Expenses	Total
ATPS PH 3	0.11	3.84	0.03	7.31	4.83	16.11
STPS PH2&3	0.42	7.80	1.51	25.20	7.36	42.28
STPS PH-4	0.25	4.70	1.28	15.04	4.43	25.70
SGTPS PH 1&2	0.42	17.69	0.07	21.51	3.41	43.10
SGTPS PH 3	0.25	10.53	0.04	11.97	2.03	24.82
SSTPP PH-1	0.60	33.49	0.07	128.43	6.55	169.13
SSTPP PH-2	0.66	36.84	0.02	132.71	7.20	177.43
Thermal	2.70	114.90	3.01	342.16	35.81	498.59
Gandhi Sagar	0.06	28.77	0.01	0.00	0.73	29.58
Pench	0.08	0.00	0.00	0.00	0.79	0.87
Rajghat	0.02	0.00	0.01	0.00	0.24	0.27
Bargi	0.05	25.84	0.00	0.00	0.15	26.04
Bansagar PH-1,2&3	0.20	27.85	0.24	0.00	3.17	31.46
Bansagar PH-4	0.01	1.94	0.01	0.00	0.16	2.11
Madhikedha	0.03	5.06	0.01	0.00	0.93	6.04
Birsinghpur	0.01	1.25	0.00	0.00	0.00	1.26
Hydro Total	0.46	90.71	0.29	0.00	6.18	97.64
Total	3.16	205.60	3.30	342.16	42.00	596.22



Other Charges for FY 2027-28

Table 15.6.4

in Rs. Crores.

Power Station	MPERC Fee	Water Charges	Rent. Rates & Taxes	Fly Ash Transportation & utilization expenditure	Security Expenses	Total
ATPS PH 3	0.11	4.03	0.03	6.80	5.31	16.28
STPS PH2&3	0.42	8.19	1.59	26.19	8.07	44.46
STPS PH-4	0.25	4.93	1.34	15.63	4.86	27.03
SGTPS PH 1&2	0.42	18.58	0.07	25.71	3.75	48.53
SGTPS PH 3	0.25	11.06	0.04	14.31	2.23	27.89
SSTPP PH-1	0.60	35.16	0.07	83.87	6.87	126.58
SSTPP PH-2	0.66	38.68	0.02	86.67	7.56	133.59
Thermal	2.70	120.64	3.17	259.19	38.65	424.36
Gandhi Sagar	0.06	29.61	0.02	0.00	0.73	30.42
Pench	0.08	0.00	0.00	0.00	0.79	0.87
Rajghat	0.02	0.00	0.01	0.00	0.24	0.27
Bargi	0.05	26.65	0.00	0.00	0.15	26.85
Bansagar PH-1,2&3	0.20	29.00	0.25	0.00	3.18	32.63
Bansagar PH-4	0.01	2.02	0.01	0.00	0.16	2.20
Madhikedha	0.03	5.21	0.01	0.00	0.94	6.19
Birsinghpur	0.01	1.31	0.00	0.00	0.00	1.32
Hydro Total	0.46	93.80	0.30	0.00	6.19	100.75
Total	3.16	214.44	3.47	259.19	44.84	525.10

Other Charges for FY 2028-29

Table 15.6.5

in Rs. Crores.

Power Station	MPERC Fee	Water Charges	Rent. Rates & Taxes	Fly Ash Transportation & utilization expenditure	Security Expenses	Total
ATPS PH 3	0.11	4.23	0.03	6.80	5.84	17.02
STPS PH2&3	0.42	8.60	1.67	26.19	8.85	45.73
STPS PH-4	0.25	5.18	1.42	15.63	5.33	27.81
SGTPS PH 1&2	0.42	19.51	0.08	25.71	4.13	49.84
SGTPS PH 3	0.25	11.61	0.05	14.31	2.46	28.67
SSTPP PH-1	0.60	36.92	0.07	83.87	7.17	128.64
SSTPP PH-2	0.66	40.61	0.02	86.67	7.89	135.85
Thermal	2.70	126.67	3.34	259.19	41.66	433.56
Gandhi Sagar	0.06	30.45	0.02	0.00	0.73	31.26
Pench	0.08	0.00	0.00	0.00	0.79	0.87
Rajghat	0.02	0.00	0.01	0.00	0.24	0.27
Bargi	0.05	27.47	0.00	0.00	0.15	27.66
Bansagar PH-1,2&3	0.20	30.16	0.26	0.00	3.18	33.80
Bansagar PH-4	0.01	2.10	0.01	0.00	0.16	2.28
Madhikedha	0.03	5.36	0.01	0.00	0.94	6.34
Birsinghpur	0.01	1.36	0.00	0.00	0.00	1.37
Hydro Total	0.46	96.89	0.32	0.00	6.19	103.85
Total	3.158	223.562	3.66	259.19	47.85	537.42



Year wise Summary of Total Other Charges

Table 15.6.6

in Rs. Crores.

Power Station	FY 25	FY 26	FY 27	FY 28	FY 29
ATPS PH 3	15.52	15.92	16.11	16.28	17.02
STPS PH2&3	40.93	41.19	42.28	44.46	45.73
STPS PH-4	24.84	25.03	25.70	27.03	27.81
SGTPS PH 1&2	50.58	41.95	43.10	48.53	49.84
SGTPS PH 3	28.90	24.13	24.82	27.89	28.67
SSTPP PH-1	178.65	174.26	169.13	126.58	128.64
SSTPP PH-2	186.95	182.61	177.43	133.59	135.85
Thermal	526.37	505.08	498.59	424.36	433.56
Gandhi Sagar	27.79	28.73	29.58	30.42	31.26
Pench	0.75	0.87	0.87	0.87	0.87
Rajghat	0.20	0.27	0.27	0.27	0.27
Bargi	24.37	25.22	26.04	26.85	27.66
Bansagar PH-1,2&3	28.69	30.26	31.46	32.63	33.80
Bansagar PH-4	1.93	2.03	2.11	2.20	2.28
Madhikedha	5.63	5.88	6.04	6.19	6.34
Birsinghpur	1.15	1.21	1.26	1.32	1.37
Hydro Total	90.50	94.48	97.64	100.75	103.85
Total	616.87	599.56	596.22	525.10	537.42

15.7 It is humbly requested before the Hon'ble Commission to kindly permit the Other Charges as detailed above.



16 Projected/Proposed Additional Capital Expenditure.

16.1 The Hon'ble Commission in MPERC (Terms and Conditions for Determination of Generation Tariff) Regulations, 2024, Regulation 6.3, has allowed the Thermal and Hydel Power Stations to submit the estimated Additional Capital Expenditure for the respective years of Tariff period FY 2024-25 to FY 2028-29, the Regulation 6.3 is reproduced as below:-

"6.3 In case of an existing generating station or unit thereof, the application for determination of Multi-year Tariff shall be made by the generating company in dully filled formats as per Annexure-I with these Regulations within a period of 90 days from the date of notification of these Regulations or as directed by the Commission whichever is earlier, based on admitted capital cost including additional capital expenditure already admitted in last true-up order of the Commission and estimated additional Expenditure for the respective years of the tariff period 2024-29 in accordance with these Regulations:

Provided that the application shall contain details of underlying assumptions for projected capital cost and additional capital expenditure, where applicable."

16.2 With respect to the above, MPPGCL has determined / estimated few capital works to be taken up for better performance of the Power Stations for providing reliable and continuous generation as per norms.

16.3 Accordingly, the name of estimated schemes/ systems/ items for respective year of the tariff period FY 2024-25 to FY 2028-29 proposed for Additional Capital expenditure at respective power stations is being submitted for consideration please.

16.4 Here it is to humbly submit that the Hon'ble Commission at para 46 on Page 29 of its Order dated 19.05.2021 in the matter of Petition No.



53/2020 filed by the Petitioner (MPPGCL) for determination of Multi Year Tariff for the Control Period FY20 to FY24 had mentioned regarding the estimated additional capital expenditure as given below:

“46. As mentioned in preceding part of this order, the Commission has not considered the proposed/projected additional capitalization during FY 2019-20 to FY 2023-24 filed by the petitioner at this stage in this order and the same shall be dealt with at the time of true-up exercise of the respective years based on the Annual Audited Accounts. Therefore, no addition of loan and equity is considered during the MYT control period.”

- 16.5** MPPGCL shall claim Additional Capital expenditure, as per the directive of Hon'ble Commission mentioned in MYT order dated 19.05.2021, on the basis of actual audited expenses captured and capitalized in Books of Account at the time of True up for the respective Years for the respective Power Stations. Hence, no claim on account of proposed Additional Capitalization has been considered here.
- 16.6** The additional capital expenditures shall be claimed in accordance with the Regulations 23, 24, 25 and 26, MPPGCL shall submit supporting documents towards year wise Power Station wise actual additional capitalization for carrying out prudence check by Hon'ble Commission in True up for the respective Years.
- 16.7** The Power Station wise list of proposed (estimated) schemes/ systems/ items for additional capitalization expenditure for FY 2024-25 to FY 208-29 are detailed hereunder:-



THERMAL POWER STATIONS

(A) ATPS PH-III, Chachai:-

SN	Name of Scheme/ System/ Item	Estimated Cost (in Cr. Rs.)	Additional Capitalization for FY25-FY29					Total Cost (in Cr. Rs.)
			FY25	FY26	FY27	FY28	FY29	
1	Bull Dozer (1 No.)	3.65	3.65					3.65
2	01 No. Locomotive for shunting/ Transportation of coal and ash wagons (Diesel Hydraulic type)	13.63	13.63					13.63
3	Coal Rakes (60 wagons) (MGR system from Sangma Mines)	42.86	42.86					42.86
4	Brake Van BVCM/Guard Trolley (04 No.)	2.29	2.29					2.29
5	Traction Motor for DE Locomotive (02 No.)	0.90	0.90					0.90
6	Supply and installation of complete air compressor along with necessary fittings etc. at Track Hopper of CHP, 210 MW, ATPS, MPPGCL, Chachai.	0.40	0.40					0.40
7	Procurement of complete gear box H2-280 for conveyor system of CHP-210 MW, ATPS Chachai.	0.40		0.40				0.40
8	Procurement of hydraulic motor of Bucket Wheel for CHP-210 MW, ATPS Chachai.	0.25			0.25			0.25
9	Procurement, installation and commissioning of water mist/ fog cannon dust suppression system at Track Hopper of CHP-210 MW, ATPS Chachai	0.25	0.25					0.25
10	Upgradation of PLC and SCADA system of Existing Emerson (formerly known as GE-IP) make PLC system installed at control room of CHP-210MW ATPS Chachai.	0.83	0.83					0.83
11	Upgradation of Schneider make PLC system installed at Stacker/ Reclaimer of CHP-210 MW, ATPS Chachai.	0.51			0.51			0.51
12	Procurement of 01 No. 15 Ton capacity Mobile Crane for ATPS Chachai.	0.30	0.30					0.30
13	Upgradation of maxDNA DPU-4F Module to latest DPU Module (DPU MR) of max DNA DCS system for 210 MW ATPS Chachai.(Including supply of latest DPU Module (DPU MR) with 10% spare DPU and commissioning of the latest DPU (DPU MR))	10.00					10.00	10.00
14	Replacement/upgradation of 24 V DC Chargers for DCS installed at 210 MW, ATPS, MPPGCL, Chachai.	0.60			0.60			0.60
15	Upgradation of existing Forbes Marshall (Shinkawa, Japan) make vibration analysis and diagnostic system (including supply, installation and commissioning) with latest system RV200 at 210 MW, ATPS, MPPGCL Chachai.	3.50			3.50			3.50



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SN	Name of Scheme/ System/ Item	Estimated Cost (in Cr. Rs.)	Additional Capitalization for FY25-FY29					Total Cost (in Cr. Rs.)
			FY25	FY26	FY27	FY28	FY29	
16	Upgradation of M/s Ge Fanuc make PLC system of DM plant of 210MW of ATPS.	0.60		0.60				0.60
17	Upgradation of M/s Schneider make PLC system of AHP plant of 210MW of ATPS.	0.90		0.90				0.90
18	Upgradation of PLC based Local Control Panel of M/s GEA BGR make Condenser On Load Tube Cleaning System (COLTCS) of 210MW of ATPS.	0.50			0.50			0.50
19	Implementation of Automatic Generation Control (AGC) at 210 MW unit of ATPS.	2.54		2.54				2.54
20	Upgradation of DAVR at 210MW of ATPS.	1.00			1.00			1.00
21	LT Motor - 110 KW 415 V, Energy efficient motor.	2.40			2.40			2.40
22	LT Motor - 200 KW 415 V, Energy efficient motor.	0.50		0.50				0.50
23	LT Motor - 55 KW 415 V, Energy efficient motor.	0.36		0.36				0.36
24	LT Motor - 45 KW 415 V, Energy efficient motor.	0.26		0.26				0.26
25	415V MCC Switchgear panel for Domestic water pump house.	0.35		0.35				0.35
26	415V MCC Switchgear pane for Dam Filling Pump house.	0.60		0.60				0.60
27	Transformers 250KVA, 33KV/0.4KV oil filled transformer.	0.20		0.20				0.20
28	Transformers 500KVA, 33KV/0.4KV oil filled transformer.	0.75		0.75				0.75
29	Transformers 1000KVA, 33KV/0.4KV oil filled transformer/	0.60		0.60				0.60
30	Supply & retrofitting of 415V Air Circuit breakers in existing MCC's	0.75		0.75				0.75
31	1820AH, 220V Battery bank (Station Battery)	3.10			3.10			3.10
32	150 AH, 220 V battery bank (Ash handling plant)	0.26		0.26				0.26
33	100 AH, 50V battery bank with charger (PLCC-ECR)	0.40		0.40				0.40
34	1000AH, 220V battery set with charger (Switchyard-ECR)	1.50		1.50				1.50
35	220KV CTs.	1.50	1.50					1.50
36	LP Turbine free standing blades	15.00	15.00					15.00
37	Boiler Feed Pump Cartridge	1.00		1.00				1.00
38	Replacement of various Split AC & Package AC	0.75	0.75					0.75
39	Rotor with main Housing for FD Fan	3.50	3.50					3.50
40	Planetary Gear Box (PGB)	2.32		2.32				2.32
41	Supply of steam cooled wall header (back pass front wall inlet header and lower side outlet header)	2.87		2.87				2.87
42	Telescopic Spout	0.46		0.46				0.46
43	Air Dryer for Ash Handling System	0.32		0.32				0.32
44	Gear box for Air Pre Heater	0.22	0.22					0.22



SN	Name of Scheme/ System/ Item	Estimated Cost (in Cr. Rs.)	Additional Capitalization for FY25-FY29					Total Cost (in Cr. Rs.)
			FY25	FY26	FY27	FY28	FY29	
45	Installation of Sulphuric Acid Dosing System at 1x210 MW, ATPS Chachai.	4.18		4.18				4.18
46	Vertical dam filling with Motor	0.44		0.44				0.44
	Total Estimated Cost (In Cr. Rs.)	130.50	86.08	22.56	11.86	0.00	10.00	130.50

(B) STPS PH-IV, Sarni.

SN	Name of Scheme/ System/ Item	Estimated Cost (in Cr. Rs.)	Additional Capitalization for FY25-FY29					Total Cost (in Cr. Rs.)
			FY25	FY26	FY27	FY28	FY29	
1	Supply & Installation of Battery set including Dismantling & Buy Back of Existing Battery Sets of CHP-IV, STPS, Sarni.	0.26	0.26					0.26
2	Supply, Installation & Commissioning of Hydraulic Rail Clamp Breakers for Stacker Reclaimer of CHP-V, STPS, Sarni.	0.29	0.29					0.29
3	Procurement of M/s BEML Make 01 No. complete Bulldozer Assembly (BD-355)	3.75	3.75					3.75
4	Procurement of actuators of HP Stop valve & IP Stop valve. (1 for HP & 1 for IP stop valve)	2.62	2.62					2.62
5	Implementation of Automatic Generation Control (AGC) as per IEGC 2023 and Cyber Security System for Unit 10&11 STPS Sarni	3.50	3.50					3.50
6	Honeywell make PLC Upgradation of BOP area 2x250MW STPS Sarni	1.75	1.75					1.75
7	CAAQMS	1.70	1.70					1.70
8	BHEL make MaxDNA DCS upgradation for U#10&11	9.34	9.34					9.34
9	Procurement of HMI for Hydrogen plant of 2x250MW STPS Sarni	0.35	0.35					0.35
10	Upgradation of existing Siemens make S7-200 PLC for VAM(Vapor Absorption Machine) of capacity 300 Tone of Air Conditioning System of Unit No. 10 & 11, 2X250MW, STPS, MPPGCL, Sarni	0.18	0.18					0.18
11	Supply & Up-gradation /Commissioning of M/s Emerson makes (Formally known as GE) Mill Reject System PLC up-gradation 2x250MW STPS Sarni	0.25	0.25					0.25
12	Implementation of flexible operation solution for 2x250MW unit of STPS Sarni	0.21	0.21					0.21
13	Supply and installation of Online CO & CO2 Gas Analyzer system for Unit 10&11 STPS Sarni	1.76	1.76					1.76
14	Design, Engineering, Supply, Erection & Commissioning of CCTV Cameras at Various Locations of STPS Sarni	1.00	1.00					1.00
15	Engineering/Design from BHEL-EDN for modifying/converting the RGMO (TMR based) logics to FGMO logics as per latest CERC (IEGC-2023) guidelines STPS Sarni	0.86	0.86					0.86
16	2.5 MVA Cast Resin Type Dry Type Transformer & TR set for ESP	5.00	5.00					5.00
17	Nitrogen Injection Fire Proction System for Power Transformer & Reactors. (01 No)	1.00	1.00					1.00
18	Purchas eof LT Breaker(800 Amp to 4000 Amp)	1.00	1.00					1.00



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SN	Name of Scheme/ System/ Item	Estimated Cost (in Cr. Rs.)	Additional Capitalization for FY25-FY29					Total Cost (in Cr. Rs.)
			FY25	FY26	FY27	FY28	FY29	
19	400 KV SF6 Gas Circuit Breakers (a) 1 set with PIR (b) 1 set with out PIR	1.00	1.00					1.00
20	400KV CT & CVT	1.00	1.00					1.00
21	DCRM TEST KIT & DGA TEST KIT	1.00	1.00					1.00
22	Electrical Testing Equipments	1.00	1.00					1.00
23	Shifting/ Rearranging of 400 KV Control room ECR PH-III	4.00	4.00					4.00
24	Supply, Installation and Commissioning of upgraded Industrial Panel PCs with accessories for Digital Automatic Voltage Regulators (DAVRs) installed in both units.	0.91	0.91					0.91
25	Upgradation of scada system of PH-IV and integration of Bays of SWYD of PH-II/III in scada system of PH-IV	3.00	3.00					3.00
26	LP Rotor and LPT Inner-Inner Casing for STPS, Sarni PH-IV	55.00	55.00					55.00
27	Procurement of 7th& 8th stage moving Blades of LP Turbine of Unit No. 10 & 11 of 2x250MW Units of STPS, Sarni	11.50	11.50					11.50
28	Complete renovation & Maintenance work of Hydrogen Plant installed at PH-III, STPS, Sarni.	4.50	4.50					4.50
29	Supply, Erection, Testing and Commissioning of 220V DC Float cum Boost Battery Charger with 220V, 600 AH tubular type lead acid Battery Bank of 110 cells of 2 V in SAN container Make-Exide with 20% spares for 220KV ECR/ switchyard. (IEGC-2023) guidelines STPS Sarni.	1.77	1.77					1.77
30	Supply, Erection, Testing and Commissioning of 220V DC Float cum Boost Battery Charger with 220V, 600 AH tubular type lead acid Battery Bank of 110 cells of 2 V in SAN container Make-Exide with 20% spares for 400KV ECR/ switchyard.	0.89	0.89					0.89
31	Supply, Erection, Testing and Commissioning 245KV CTs for station Transformer, single phase, outdoor type, dead tank, 50Hz, hermetically sealed, complete with first filling of oil along with 2 nos. terminal connectors with each current transformer suitable for single moose ACSR conductor.	0.21	0.21					0.21
32	Supply Erection, Testing and Commissioning 245KV CTs for ICT, single phase, outdoor type, dead tank, 50Hz, hermetically sealed, complete with first filling of oil along with 2 nos. terminal connectors with each current transformer suitable for single moose ACSR conductor.	0.21	0.21					0.21
33	Supply Erection, Testing, Commissioning & Integration of critical RTU system including dismantling of existing RTU in PH-II & PH-III at STPS, Sarni.	0.39	0.39					0.39
34	Economiser coils for Boiler of unit No. 10&11 STPS,Sarni	1.53	1.53					1.53
35	Planetary gear box for coal Mill XRP-903 of 2x250MW Boiler Unit No.10&11 STPS,SARNI	1.56	1.56					1.56
36	Procurement of M/s Goodwin Pumps make Submersible High Concentrated Slurry Pumps	0.52	0.52					0.52



SN	Name of Scheme/ System/ Item	Estimated Cost (in Cr. Rs.)	Additional Capitalization for FY25-FY29					Total Cost (in Cr. Rs.)
			FY25	FY26	FY27	FY28	FY29	
	along with accessories for PH-IV Unit no 10 & 11, STPS, Sarni.							
37	Procurement of M/s Premium Transmission make Agitator Gear Box model no. V-B-3-280 P-1 installed in HCSD system for disposal of dry fly ash in high concentration slurry form of Unit No. #10 & 11 of STPS-IV, Sarni.	0.68	0.68					0.68
38	HCSD Gear Box (REDUCTION GEAR BOX)	1.20		1.20				1.20
39	Installation of Acoustic Steam Leakage Detection for Boiler	2.50		2.50				2.50
40	Installation of Centralized surveillance room	1.00		1.00				1.00
41	Procurement of Electrolysis Module for Hydrogen plant of 2x250MW STPS Sarni	1.25		1.25				1.25
42	Purchase of HT Motor (ID Fan Motor -2250 KW, PA Fan Motor-1750 KW)	1.00		1.00				1.00
43	Purchase of LT Motors (75 to 200 KW)	1.00		1.00				1.00
44	Boom Lift for 400 KV Switchyard	1.20		1.20				1.20
45	Procurement of 6 Axle,Board Gauge,1400 HP Twin Power pack Diesel Electric Locomotive for shunting purpose at Satpura Thermal Power Station,Sarni	13.62			13.62			13.62
	Total Estimated Cost (in Cr. Rs.)		125.48	9.15	13.62	0.00	0.00	148.25

(C) SGTPS PH-3, Birsinghpur:

SN	Name of Scheme/ System/ Item	Estimated Cost, Sharing basis, (in Cr. Rs.)	Additional Capitalization for FY25-FY29					Total Cost (in Cr. Rs.)
			FY25	FY26	FY27	FY28	FY29	
1	Procurement of rotor assembly excluding blades for PA Fan AP2 20/12 Installed at 1X500MW, SGTPS	4.07	4.07					4.07
2	Supply, design, engineering, manufacturing, assembly, inspection, testing, packing & Forwarding and transportation of single phase 200 MVA, 21/400 KV BHEL make Generator Transformer	21.12			21.12			21.12
3	Supply, installation and commissioning of one set of 220V, 2250 Ah Station battery bank (110 Nos. battery cells)Including Buy-Back of old battery bank.	3.50		3.50				3.50
4	Order for Design, Engineering, supply, erection, testing and commissioning of 400 KV, 125 MVAR Bus reactor Along with associated accessories at SGTPS Birsinghpur under PSDF Scheme No. 167	17.52	17.52					17.52
5	Supply, erection, testing and commissioning of 02 nos. complete breaker sets of 400 kV SF6 gas circuit breaker for 400 kV Generator transformer bay and ICT bay at 400 kV Switchyard, 1x500 MW unit SGTPS, MPPGCL, Birsinghpur.	1.20			1.20			1.20
6	Up-gradation of 220Volt, 400 Amp. Caldye make Batter Chargers installed at Station	0.90		0.90				0.90



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SN	Name of Scheme/ System/ Item	Estimated Cost, Sharing basis, (in Cr. Rs.)	Additional Capitalization for FY25-FY29					Total Cost (in Cr. Rs.)
			FY25	FY26	FY27	FY28	FY29	
	battery set of 500 MW unit							
7	Supply, Installation and Commissioning of up-gradation of M/s GE Fanuc make series 90-30 PLC system of DM plant and HVAC plant of Unit No.5, 500MW, SGTPS, MPPGCL, Birsinghpur	1.20	1.20					1.20
8	Supply, Installation and Commissioning of up-gradation of M/s GE Fanuc make series 90-30 PLC system of Mill Reject System of Unit No.5, 500MW, SGTPS, MPPGCL, Birsinghpur	1.20		1.20				1.20
9	Supply, Installation and Commissioning for replacement of existing battery set of SG, TG, BOP and UPS of Unit No.5, 500MW, SGTPS, MPPGCL, Birsinghpur	1.50	1.50					1.50
10	Locomotive for shunting of coal and ash wagons (Diesel Electric Type)	2.22	2.22					2.22
11	Procurement of Diesel Engine for locomotive	0.41	0.41					0.41
12	Procurement of complete set of various types of New Allenberry Gear Boxes installed at alternate coal path of Wagon Tippler system.	1.12		1.12				1.12
13	Capacity enhancement of hydraulic Power pack & up-gradation of tippler and SAC of Wagon Tippler System.	1.87			1.87			1.87
14	Procurement of DC motor (02 Nos.) along with compatible DC Drive (04 Nos.) for tippler & Apron Feeder of wagon tippler	0.93		0.93				0.93
15	Up-gradation & Retrofitting of Tippler MCC.	1.12			1.12			1.12
16	Up-gradation of hydraulic power pack of plough feeders installed 500 MW CHP-II	2.00		2.00				2.00
17	Procurement of Gear Box for Rotary Breaker.	0.50			0.50			0.50
18	Retrofitting of LT/HT breakers	1.00		1.00				1.00
19	Emergency Rescue Tender & Multi Purpose Fire Tender.	1.91		1.91				1.91
20	01 No. BEML make Bulldozer BD-355	3.60	3.60					3.60
21	Design, Engineering, Manufacturing, Supply, Erection, Testing & Commissioning of one new complete "Stacker cum Reclaimer of 1500 TPH capacity" on turnkey basis at conveyor number 8B of Coal Handling Plant of SGTPS, MPPGCL, Birsinghpur	11.18	11.18					11.18
22	Construction of 2 No. 25 m wide partition bund in Ash Dyke-II	1.50	1.50					1.50
23	Construction of Ramp in Ash Dyke-II	0.80	0.80					0.80
24	Construction of peripheral drain in Ash Dyke-1	1.00	1.00					1.00
25	Plantation works I township area	0.25	0.25	0.25				0.50
26	Construction of RCC road and retaining wall from NTH to main PH approach road.	2.00	2.00					2.00
27	Construction of Lagoon near confluence point-II	3.00	3.00					3.00



SN	Name of Scheme/ System/ Item	Estimated Cost, Sharing basis, (in Cr. Rs.)	Additional Capitalization for FY25-FY29					Total Cost (in Cr. Rs.)
			FY25	FY26	FY27	FY28	FY29	
28	Construction of Sump below ESP 500 MW.	0.40	0.40					0.40
29	Modification of spur line track & developing facility for ash transportation by Rail-mode	0.82	0.82					0.82
30	Construction of STPS in plant area premises.	2.50	2.50	2.50				5.00
31	Construction of Loco shed at wagon Tippler yard	1.20	1.20					1.20
32	Construction of drain and C.D. work in the railway yard of wagon Tippler	1.20	1.20					1.20
33	Chain link mesh area fencing for companies land	0.25	0.25	0.25	0.15			0.65
34	Constn of retaining wall in Railway siding	0.25	0.25					0.25
35	Constn of RCC drain along the boundary wall for E&F colony waste Water at SGTPS Birsinghpur	0.56	0.56					0.56
36	Service road for security inspection	0.30	0.30					0.30
37	Developing of siding for along OTH Track hopper for loading & transportation of ash in rail mode	20.00		20.00				20.00
38	Digital Governing system with FGMO features for Birsinghpur HPS	4.50	4.50					4.50
39	Control and Numeric Relay Panel for Birsinghpur HPS	4.50	4.50					4.50
	Total Estimated Cost (in Cr. Rs.)		66.73	35.56	25.96	0.00	0.00	128.25

(D) SSTPP, PH-1, Khandwa:

SN	Name of Scheme/ System/ Item	Estimated Cost (in Cr. Rs.)	Additional Capitalization for FY25-FY29					Total Cost (in Cr. Rs.)
			FY25	FY26	FY27	FY28	FY29	
1	01 no. Diesel hydraulic/electric locomotive of capacity 1200HP	5.40	5.40					5.40
2	Up-gradation of PLC system	0.70	0.70					0.70
3	Procurement of Bushing for Station Transformer 1&2, ICT's & Bus Rectifier	1.80	1.80					1.80
4	Procurement of 200 KV Switchyard Breakers and 400 KV Switchyard Breakers installed in PH-I at 2X600MW, SSTPP, Dongalia	3.00	3.00					3.00
5	Procurement of electrolyser of hydrogen plant of Stream B of 2x600MW SSTPP, MPPGCL Dongalia. Dongalia	2.00	2.00					2.00
6	Supply, erection & installation high mast with complete accessories for the power house & township at SSTPP, MPPGCL, Dongalia, Khandwa	1.20	1.20					1.20
7	Erection & installation of 6.6KV overhead circuit and 2 Nos. transformer of rating 6.6KV/415V for ash dyke of phase 1 to provide 3 phase 4 wire supply for recovery of seepage water pump house of SSTPP, MPPGCL, Dongalia	0.50	0.50					0.50



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SN	Name of Scheme/ System/ Item	Estimated Cost (in Cr. Rs.)	Additional Capitalization for FY25-FY29					Total Cost (in Cr. Rs.)
			FY25	FY26	FY27	FY28	FY29	
8	Up gradation of MAX DNA DCS HMI System of unit 1 SSTPP PH1.	4.70	4.70					4.70
9	Up gradation of MAX DNA DCS HMI System of unit 2 SSTPP PH1.	4.74	4.74					4.74
10	Up gradation of SADC System in unit 2 of SSTPP PH1.	2.50	2.50					2.50
11	Up gradation of Gravimetric coal feeder 196 NT module with DT 9 in phased manner. of SSTPP PH1.	0.90	0.90					0.90
12	Up gradation of GE make AHP,MRHS PLC System of SSTPP PH1.	1.00	1.00					1.00
13	Supply and installation of Mercury analyzer at Stack emission of SSTPP PH1.	0.75	0.75					0.75
14	Upgradation of M/s. Siemens make PLC & SCADA of Hydrogen Generation Plant of PH-I, SSTPP, MPPGCL, Dongalia.	0.35	0.35					0.35
15	Up gradation of CPU PLC & Its SCADA System of SSTPP PH1.	0.50	0.50					0.50
16	upgradation of M/s. Siemens make PLC of Fire Hydrant Pumps of PH-I, SSTPP, MPPGCL, Dongalia.	0.35	0.35					0.35
17	upgradation of M/s. Rockwell makes PLC & SCADA in Compressed Air System of PH-I, SSTPP, MPPGCL, Dongalia.	0.50	0.50					0.50
18	upgradation of M/s. Rockwell makes PLC & SCADA in CW System of PH-I, SSTPP, MPPGCL, Dongalia.	0.50	0.50					0.50
19	Procurement of BFP cartridge for 2X660 MW units SSTPP, Khandwa	12.00	12.00					12.00
20	Procurement of Stub Shaft & Bearing Housings (Top & Bottom) for L&T HOWDEN make (Type: 33 VAT 1840) Rotary Air Pre-Heater of 2x660MW, Unit no. 4, PH-II, SSTPP, Dongalia.	2.50	2.50					2.50
21	Procurement of complete set of blades for ID Fan Model No. 3894/2360 B installed at 2X660MW Units SSTPP dongalia (02 Set)	4.00	4.00					4.00
22	Tandem Pump of Wagon Tipper	0.93		0.93				0.93
23	upgradation of M/s.Emerson (Former M/s.GEIP) make PLC & SCADA of HVAC system of PH-I, SSTPP, MPPGCL, Dongalia.	0.35		0.35				0.35
24	upgradation of M/s. Siemens make PLC of Raw Water Intake System (RWIS) of PH-I, SSTPP, MPPGCL, Dongalia.	0.25		0.25				0.25
25	upgradation of M/s. Edward make Fire Alarm panel PLC & SCADA of Fire detection & protection system (FDPS) of PH-I, SSTPP, MPPGCL, Dongalia	0.90		0.90				0.90
26	Upgradation of PADO system	1.00		1.00				1.00
27	Upgradation of DPU of DCS system Unit 1	10.00					10.00	10.00
28	Upgradation of DPU of DCS system Unit 2	10.00					10.00	10.00
	Total Estimated Cost (in Cr. Rs.)	73.32	49.89	3.43	0.00	0.00	20.00	73.32



HYDEL POWER STATIONS

SN	Name of Scheme/ System/ Item	Estimated Cost (in Cr. Rs.)	Additional Capitalization for FY25-FY29					TOTAL (in Cr. Rs.)
			FY25	FY26	FY27	FY28	FY29	
Tons, BS-I, HPS Sirmour								
1	Procurement of Multifunction transformer testing Kit	0.40	0.00	0.40	0.00	0.00	0.00	0.40
2	Procurement of lathe machine	0.21	0.21	0.00	0.00	0.00	0.00	0.21
3	Procurement of Generator Air coolers	1.50	1.50	0.00	0.00	0.00	0.00	1.50
4	Procurement of LP coolers	0.55	0.55	0.00	0.00	0.00	0.00	0.55
5	Procurement of Power Pack System of valve house	0.90	0.90	0.00	0.00	0.00	0.00	0.90
6	Procurement of CW Motor- Pump Set-2 nos	0.30	0.30	0.00	0.00	0.00	0.00	0.30
7	Replacement of new stator frame along with associated materials for 11KV BHEL make Generator of unit#3	4.96	4.96	0.00	0.00	0.00	0.00	4.96
8	Procurement of tools and tackles for replacement of new stator frame for 11 kV, BHEL make Generator of Unit#3	1.39	1.39	0.00	0.00	0.00	0.00	1.39
9	Fire Tender Truck	0.40	0.40	0.00	0.00	0.00	0.00	0.40
10	Hydra Crane 14 Ton	0.25	0.25	0.00	0.00	0.00	0.00	0.25
11	Procurement of governing oil pump	0.21	0.00	0.21	0.00	0.00	0.00	0.21
12	GT oil motor pump set 06 Nos.	0.25	0.00	0.25	0.00	0.00	0.00	0.25
13	Renovation of 415V Switch Gear system	0.70	0.00	0.70	0.00	0.00	0.00	0.70
14	Supply of Rectifier for Stator winding heating	0.40	0.00	0.40	0.00	0.00	0.00	0.40
15	High Voltage Testing kit	0.30	0.00	0.30	0.00	0.00	0.00	0.30
16	Renovation of Central AC System	0.50	0.00	0.50	0.00	0.00	0.00	0.50
17	Lay Fire Fighting Line in Store Area	0.21	0.00	0.21	0.00	0.00	0.00	0.21
18	Supply, erection, testing & commissioning of GT HV bushing	0.60	0.00	0.60	0.00	0.00	0.00	0.60
19	Replacement of CW Duplex filter system 04 nos.	0.30	0.00	0.30	0.00	0.00	0.00	0.30
20	Procurement of oil leakage units	0.30	0.00	0.00	0.30	0.00	0.00	0.30
21	Procurement of GT oil coolers	0.40	0.00	0.00	0.40	0.00	0.00	0.40
22	Design Supply, Erection, Testing & Commissioning of heat/Smoke detector & UCB in cable gallery ECR, Cable Trenches	0.50	0.00	0.00	0.50	0.00	0.00	0.50
23	Supply, erection, testing & commissioning of unit control board	1.50	0.00	0.00	1.50	0.00	0.00	1.50
24	Air washer pumps and blowers	0.50	0.00	0.00	0.00	0.00	0.50	0.50
25	Procurement of Butterfly valve	0.30	0.00	0.00	0.00	0.00	0.30	0.30
26	Replacement of Turbine outside barrel with Accessories of BS-I Unit#2	14.48	0.00	14.48	0.00	0.00	0.00	14.48
27	Replacement of Generator along with Accessories of BS-I Unit#2	29.87	0.00	29.87	0.00	0.00	0.00	29.87
Total		62.18	10.46	48.22	2.70	0.00	0.80	62.18



SN	Name of Scheme/ System/ Item	Estimated Cost (in Cr. Rs.)	Additional Capitalization for FY25-FY29					TOTAL (in Cr. Rs.)
			FY25	FY26	FY27	FY28	FY29	
	BS-II, HPS , Silpara							
1	Supply & Retrofitting of Numerical relays	0.96	0.00	0.96	0.00	0.00	0.00	0.96
2	Supply , erection, testing & commissioning of New governor, Unit Control Panel for 2x15 MW, BHPS-II Silpara	16.00	0.00	16.00	0.00	0.00	0.00	16.00
	Total	16.96	0	16.96	0	0	0	16.96

	BS-III, Deolond HPS							
1	Supply, erection testing & commissioning of 01 No. 250 KVA DG Set	0.310	0.31	0.00	0.00	0.00	0.00	0.31
2	Supply, installation and commissioning of Chartless recorder	0.640	0.640	0.00	0.00	0.00	0.00	0.64
3	Design, Supply, erection, testing and commissioning of CCTV surveillance system	0.290	0.00	0.290	0.00	0.00	0.00	0.29
4	Supply, retrofitting, erection, testing & commissioning of 16 Nos. Isolators	0.880	0.00	0.88	0.00	0.00	0.00	0.88
5	Procurement of Dewatering Pump set	0.240	0.00	0.24	0.00	0.00	0.00	0.24
6	Supply, erection testing & commissioning of Nitrogen fire protection system for 03 No.s GTs	0.900	0.00	0.00	0.00	0.900	0.00	0.90
	Total	3.260	0.950	1.410	0.000	0.900	0.000	3.260
	BS-IV, Jhinna HPS							
1	supply, erection, testing & commissioning of new Governor, unit control panels, feeder control panels for 11KV, 10 MW, BHEL Make generator at 2x10 MW , BHPS-IV , MPPGCL, Jhinna.	18.70	18.70	0.00	0.00	0.00	0.00	18.70
2	Supply, installation, testing & commissioning (including retrofitting) of new numerical relays and associated items	1.18	1.18	0.00	0.00	0.00	0.00	1.18
	Total	19.88	19.88	0.00	0.00	0.00	0.00	19.88
	Madhikheda HPS							
1	02 nos. Oil Centrifuge Machine Proc.	0.36	0.00	0.36	0.00	0.00	0.00	0.36
2	220 Volt, 300 Ah batteries set Pro. for station set no 2	0.35	0.35	0.00	0.00	0.00	0.00	0.35
3	Max DNA renovation and Up- Gradation	2.50	0.00	2.50	0.00	0.00	0.00	2.50
4	145 KV, 2500 Amp SF6 Ckt Bkr	0.21	0.00	0.00	0.00	0.21	0.00	0.21
5	15 nos. 0.2s ,132 KV CT, Procurement	0.45	0.00	0.45	0.00	0.00	0.00	0.45
6	Procurement of Numerical Relays	0.65	0.00	0.65	0.00	0.00	0.00	0.65
	Total	4.52	0.35	3.96	0	0.21	0	4.52



SN	Name of Scheme/ System/ Item	Estimated Cost (in Cr. Rs.)	Additional Capitalization for FY25-FY29					TOTAL (in Cr. Rs.)
			FY25	FY26	FY27	FY28	FY29	
Pench HPS								
1	Supply of 24 No.s KVA/800 Amps Isolators	0.56	0.00	0.56	0.00	0.00	0.00	0.56
2	Supply of 27 Nos. 132 KV / 0.2s AC Current Transformers	0.63	0.63	0.00	0.00	0.00	0.00	0.63
3	Supply of 2 Nos. 132 KV 2000 A SF-6 Circuit Breakers	0.25	0.00	0.25	0.00	0.00	0.00	0.25
4	Procurement of 14 Ton Hydra Crane	0.25	0.25	0.00	0.00	0.00	0.00	0.25
5	Supply of Fire Tender	0.65	0.00	0.65	0.00	0.00	0.00	0.65
Total		2.34	0.88	1.46	0	0	0	2.34
Rajghat HPS								
1	Spare Runner	8.00	0.00	8.00	0.00	0.00	0.00	8.00
2	Vibration Monitoring System	0.70	0.00	0.70	0.00	0.00	0.00	0.70
3	132 Kv Bushing Procurement	0.30	0.00	0.30	0.00	0.00	0.00	0.30
4	Penstock control panels	0.25	0.00	0.25	0.00	0.00	0.00	0.25
Total		9.25	0.00	9.25	0.00	0.00	0.00	9.25
Grand Total		118.39	32.52	81.26	2.70	1.11	0.80	118.39

16.8 Based on above proposal the year wise Power Station wise proposed capital expenditure are detailed below:-

Table No.16.8.1

S.No.	Power Station	FY 25	FY 26	FY 27	FY 28	FY 29	Total Estimated Cost(in Cr.)
1	ATPS PH-3	86.08	22.56	11.86	0.00	10.00	130.50
2	STPS PH-2&3	Special Allowance opted					
3	STPS PH-4	125.48	9.15	13.62	0.00	0.00	148.25
4	SGTTPS PH-1&2	Special Allowance opted					
5	SGTTPS PH-3	57.73	35.56	25.96	0.00	0.00	119.25
6	SSTPP PH-1	31.39	3.43	0.00	0.00	20.00	54.82
7	SSTPP PH-2	18.50	0.00	0.00	0.00	0.00	18.50
8	Total Thermal	319.17	70.70	51.44	0.00	30.00	471.31
9	Gandhi Sagar HPS	0.00	0.00	0.00	0.00	0.00	0.00
10	Pench HPS	0.88	1.46	0.00	0.00	0.00	2.34
11	Rajghat HPS	0.00	9.25	0.00	0.00	0.00	9.25
12	Bargi HPS	0.00	0.00	0.00	0.00	0.00	0.00



S.No.	Power Station	FY 25	FY 26	FY 27	FY 28	FY 29	Total Estimated Cost(in Cr.)
13	Bansagar HPS PH-1,2 &3	11.41	66.59	2.70	0.90	0.80	82.40
14	Bansagar HPS PH-4	19.88	0.00	0.00	0.00	0.00	19.88
15	Madhikheda HPS	0.35	3.96	0.00	0.21	0.00	4.52
16	Birsinghpur HPS	9.00	0.00	0.00	0.00	0.00	9.00
17	Total Hydel	41.52	81.26	2.70	1.11	0.80	127.39
18	Grand Total	360.69	151.96	54.14	1.11	30.80	598.70

16.9 MPPGCL humbly request Hon'ble Commission to kindly take note of the above proposal.



17 Tariff

- 17.1** The Regulation 14.1 of MPERC (Terms and Conditions for Determination of Generation Tariff) Regulations, 2024 {RG-26 (V) of 2024} provides that the tariff for supply of electricity from a thermal generating station shall comprise two parts, namely, Capacity Charge (for recovery of Annual Fixed Cost consisting of the components as specified in Regulation 15 of these Regulations) and Energy charge (for recovery of primary and secondary fuel cost and cost of limestone and any other reagent, where applicable, as specified in Regulation 16 of these Regulations).
- 17.2** The Regulation 14.3 of MPERC (Terms and Conditions for Determination of Generation Tariff) Regulations, 2024 {RG-26 (V) of 2024} provides that the tariff for supply of electricity from a hydro generating station shall comprise Capacity Charge and Energy Charge to be derived in the manner specified in Regulation 48 of these Regulations, for recovery of annual fixed cost consisting of the components referred to in Regulation 15 of these Regulations.
- 17.3** Accordingly, the cost elements of Tariff for FY 25 to FY 29 have been computed in pursuance with MPERC (Terms and Conditions of Generation Tariff) (Revision-V) Regulations, 2024 {RG-26 (V) of 2024}. The power station wise details of Fixed Charges, Other Charges and Energy Charge Rate are tabulated hereunder:-

Power Station Wise Breakup for FY 2024-25

Table 17.3.1

Power Station	Capacity Charges (Rs. Cr.)	Other Charges (Rs. Cr.)	Energy Charges (Rs. Cr.)	Scheduled Energy Normative (MU)	Energy Charge (Rs./Unit)
ATPS PH 3	167.71	15.52	297.58	1419	2.097
STPS PH-2&3	465.60	40.93	1652.18	4581	3.607
STPS PH-4	614.90	24.84	1048.92	3407	3.079
SGTPS PH 1&2	544.83	50.58	1434.75	4967	2.889
SGTPS PH 3	309.59	28.90	916.96	3509	2.613



Power Station	Capacity Charges (Rs. Cr.)	Other Charges (Rs. Cr.)	Energy Charges (Rs. Cr.)	Scheduled Energy Normative (MU)	Energy Charge (Rs./Unit)
SSTPP PH-1	1237.15	178.65	2808.25	8466	3.317
SSTPP PH-2	1352.89	186.95	2857.14	9313	3.068
Total Thermal	4692.67	526.37	11015.78	35661	
Gandhi Sagar	17.14	27.79			
Pench	30.98	0.75			
Rajghat	12.60	0.20			
Bargi	18.66	24.37			
Bansagar PH-1,2&3	132.97	28.69			
Bansagar PH-4	10.04	1.93			
Madhikhedha	19.95	5.63			
Birsinghpur	5.95	1.15			
Total Hydro	248.30	90.50			
Total	4940.97	616.87			

Power Station Wise Breakup for FY 2025-26

Table 17.3.2

Power Station	Capacity Charges (Rs. Cr.)	Other Charges (Rs. Cr.)	Energy Charges (Rs. Cr.)	Scheduled Energy Normative (MU)	Energy Charge (Rs./Unit)
ATPS PH 3	166.75	15.92	297.58	1419	2.097
STPS PH-2&3	481.26	41.19	1652.18	4581	3.607
STPS PH-4	608.76	25.03	1048.92	3407	3.079
SGTPS PH 1&2	569.90	41.95	1434.75	4967	2.889
SGTPS PH 3	309.37	24.13	916.96	3509	2.613
SSTPP PH-1	1216.28	174.26	2808.25	8466	3.317
SSTPP PH-2	1335.90	182.61	2857.14	9313	3.068
Total Thermal	4688.22	505.08	11015.78	35661	
Gandhi Sagar	18.03	28.73			
Pench	32.00	0.87			
Rajghat	12.87	0.27			
Bargi	19.29	25.22			
Bansagar PH-1,2&3	134.95	30.26			
Bansagar PH-4	10.14	2.03			
Madhikhedha	20.04	5.88			
Birsinghpur	6.07	1.21			
Total Hydro	253.40	94.48			
Total	4941.62	599.56			



Power Station Wise Breakup for FY 2026-27

Table 17.3.3

Power Station	Capacity Charges (Rs. Cr.)	Other Charges (Rs. Cr.)	Energy Charges (Rs. Cr.)	Scheduled Energy Normative (MU)	Energy Charge (Rs./Unit)
ATPS PH 3	166.44	16.11	297.58	1419	2.097
STPS PH-2&3	497.75	42.28	1652.18	4581	3.607
STPS PH-4	603.25	25.70	1048.92	3407	3.079
SGTPS PH 1&2	583.23	43.10	1434.75	4967	2.889
SGTPS PH 3	311.75	24.82	916.96	3509	2.613
SSTPP PH-1	1196.27	169.13	2808.25	8466	3.317
SSTPP PH-2	1319.84	177.43	2857.14	9313	3.068
Total Thermal	4678.53	498.59	11015.78	35661	
Gandhi Sagar	18.98	29.58			
Pench	33.09	0.87			
Rajghat	13.15	0.27			
Bargi	19.96	26.04			
Bansagar PH-1,2&3	137.23	31.46			
Bansagar PH-4	10.26	2.11			
Madhikhedha	20.17	6.04			
Birsinghpur	6.21	1.26			
Total Hydro	259.05	97.64			
Total	4937.58	596.22			

Power Station Wise Breakup for FY 2027-28

Table 17.3.4

Power Station	Capacity Charges (Rs. Cr.)	Other Charges (Rs. Cr.)	Energy Charges (Rs. Cr.)	Scheduled Energy Normative (MU)	Energy Charge (Rs./Unit)
ATPS PH 3	166.56	16.28	298.39	1423	2.097
STPS PH-2&3	515.09	44.46	1656.71	4593	3.607
STPS PH-4	598.34	27.03	1051.79	3416	3.079
SGTPS PH 1&2	598.76	48.53	1438.68	4981	2.889
SGTPS PH 3	316.95	27.89	919.48	3519	2.613
SSTPP PH-1	1177.16	126.58	2815.95	8489	3.317
SSTPP PH-2	1304.69	133.59	2864.97	9338	3.068
Total Thermal	4677.54	424.36	11045.96	35759	
Gandhi Sagar	19.98	30.42			
Pench	34.29	0.87			
Rajghat	13.47	0.27			



Power Station	Capacity Charges (Rs. Cr.)	Other Charges (Rs. Cr.)	Energy Charges (Rs. Cr.)	Scheduled Energy Normative (MU)	Energy Charge (Rs./Unit)
Bargi	20.69	26.85			
Bansagar PH-1,2&3	139.68	32.63			
Bansagar PH-4	10.38	2.20			
Madhikhedha	20.33	6.19			
Birsinghpur	6.35	1.32			
Total Hydro	265.17	100.75			
Total	4942.71	525.10			

Power Station Wise Breakup for FY 2028-29

Table 17.3.5

Power Station	Capacity Charges (Rs. Cr.)	Other Charges (Rs. Cr.)	Energy Charges (Rs. Cr.)	Scheduled Energy Normative (MU)	Energy Charge (Rs./Unit)
ATPS PH 3	167.35	17.02	297.58	1419	2.097
STPS PH-2&3	533.37	45.73	1652.18	4581	3.607
STPS PH-4	594.24	27.81	1048.92	3407	3.079
SGTPS PH 1&2	615.92	49.84	1434.75	4967	2.889
SGTPS PH 3	323.42	28.67	916.96	3509	2.613
SSTPP PH-1	1159.15	128.64	2808.25	8466	3.317
SSTPP PH-2	1290.54	135.85	2857.14	9313	3.068
Total Thermal	4684.00	433.56	11015.78	35661	
Gandhi Sagar	21.03	31.26			
Pench	35.57	0.87			
Rajghat	13.81	0.27			
Bargi	21.46	27.66			
Bansagar PH-1,2&3	142.57	33.80			
Bansagar PH-4	10.52	2.28			
Madhikhedha	20.57	6.34			
Birsinghpur	6.51	1.37			
Total Hydro	272.04	103.85			
Total	4956.04	537.42			



17.4 The Element wise break up of Energy Charges, Capacity Charges and Other Charges as determined in accordance to Generation Tariff Regulations 2024 is tabulated below:-

Element wise Variable Cost, Capacity Charges and Other Charges

Table 17.4.1

in Rs. Crores

Particulars	Elements	FY 25	FY 26	FY 27	FY 28	FY 29
Energy Charges	Coal & Sec. Oil Cost	11015.78	11015.78	11015.78	11045.96	11015.78
Capacity Charges	Return on Equity	829.12	829.12	829.12	829.12	829.12
	Depreciation	999.02	987.22	978.18	970.64	964.38
	Interest on Loan capital	714.62	616.67	520.73	427.19	334.49
	O&M Expenses	1758.63	1851.23	1948.71	2051.33	2159.35
	Interest on Working Capital	474.64	477.84	481.30	484.90	489.17
	Special Allowance	164.93	179.53	179.53	179.53	179.53
Sub Total		4940.97	4941.62	4937.58	4942.71	4956.04
Other Charges		616.87	599.56	596.22	525.10	537.42
	Total (Capacity Charges + Other Charges)	5557.84	5541.18	5533.80	5467.81	5493.45

17.5 It is humbly requested before Hon'ble Commission to kindly permit the same.
