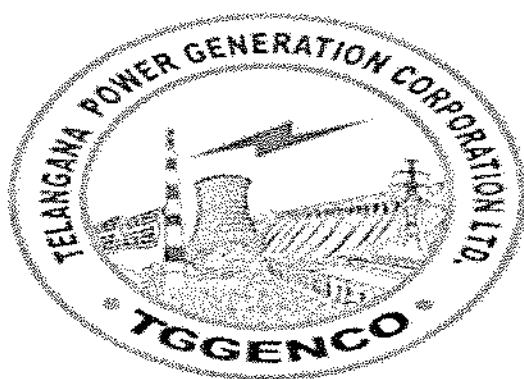


TELANGANA POWER GENERATION CORPORATION LIMITED

(A Govt. of Telangana Undertaking)



**True – up for FY 2022-23 and Multi Year Tariff Filing
under Multi Year Tariff Frame work for 5th control
Period (FY 2024-25 to FY 2028-29)**

Volume- 2 of 3

September, 2024

TELANGANA POWER GENERATION CORPORATION LIMITED

(A Govt. of Telangana Undertaking)

Multi Year Tariff Filings for 5th Control Period (FY: 2024-25 to FY: 2028-29)

Thermal Stations TGERC Formats and Supporting Documents

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Tariff Filing Formats - Generation
Checklist

S. No.	Form	Title	Tick
1	Form 1	Summary Sheet	✓
2	Form 2	Operation and Maintenance Expenses	✓
3	Form 2.1	Employee Expenses	✓
4	Form 2.2	Administration & General Expenses	✓
5	Form 2.3	Repair & Maintenance Expenses	✓
6	Form 3	Summary of Capital Expenditure and Capitalisation	✓
7	Form 3.1	Statement of Additional Capitalisation after COD	✓
8	Form 3.2	Financing of Additional Capitalisation	✓
9	Form 4	Fixed Assets & Depreciation	✓
10	Form 5	Interest and finance charges on loan	✓
11	Form 6	Interest on working capital	✓
12	Form 7	Return on Equity	✓
13	Form 8	Non-Tariff Income	✓
14	Form 9	Planned & Forced Outages	✓
15	Form 10	Operational parameters	✓
16	Form 11	Fuel Details for computation of Energy Charge Rate	✓
17	Form 12	Energy Charge Rate	✓
18	Form 13	Sales	✓
19	Form 14	Revenue from Sale of Electricity	✓
20	Form 15	Revenue Reconciliation	✓
21	Form 16	Summary of true-up	
		Capital Cost Approval*	
22	Form 17	Plant Characteristics (Thermal)	
23	Form 18	Plant Characteristics (Hydel)	
24	Form 19.1	Project Schedule	
25	Form 19.2	Abstract of Capital Cost	
26	Form 19.3	Breakup of Capital Cost	
27	Form 19.4	Breakup of Construction/Supply/Services/Packages	
28	Form 19.5	Financial Package	
29	Form 19.6	Details of Loans	
30	Form 19.7	Phasing of Expenditure, Debt and Equity upto COD	
31	Form 19.8	Interest During Construction and Finance Charges upto COD	

Note: * Applicable only for new Generating Station/Unit for which Provisional/Final tariff approval is being sought

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Form-1: Summary Sheet

S. No.	Particulars	Units	Reference	FY 2022-23		FY 2023-24		Control Period					Remarks			
				MYT/Tariff Order	True-Up requirement	MYT/Tariff Order	April - March	FY 2024-25	FY 2025-26	FY 2026-27	FY 2027-28	FY 2028-29				
				Approved	Claimed	Approved	Provisional	Projected	Projected	Projected	Projected	Projected				
A	Annual Fixed Charges															
1	Operation & Maintenance Expenses	Rs. Crore	Form 2	188.61	245.64	245.64	196.55	272.29	270.25	284.42	299.37	315.03	331.13			
2	Depreciation	Rs. Crore	Form 4	73.33	34.59	34.59	9.15	35.49	35.53	44.13	55.68	59.18	59.18			
3	Interest and finance charges on loan	Rs. Crore	Form 5	8.39	0.00	0.00	8.39	0.00	0.00	0.00	0.00	0.00	0.00			
4	Interest on Working Capital	Rs. Crore	Form 6	30.27	38.67	38.67	30.55	46.56	35.48	36.44	37.46	38.50	39.17			
5	Return on Equity	Rs. Crore	Form 7	127.89	141.24	141.24	127.89	141.43	85.13	85.70	84.27	78.02	63.70			
6	Less: Non-Tariff Income	Rs. Crore	Form 8	0.00	23.44	23.44	0.00	14.15	15.22	15.83	16.46	17.12	17.80			
7	Annual Fixed Charges	Rs. Crore		428.49	436.70	436.70	382.53	481.62	411.16	434.86	460.32	483.60	485.37			
B	Energy Charges															
1	Energy Charge Rate	Rs./kWh	Form 12	3.632	3.336	3.336	2.158	3.914	4.194	4.277	4.363	4.450	4.539			
2	Scheduled Energy (ex-bus)	MLU	Form 10	3173.63	3173.63	3173.63	3173.63	3101.48	3378.94	3376.76	3378.94	3386.01	3379.48			
3	Energy Charges	Rs. Crore		1152.71	1058.51	1058.51	1269.70	1213.83	1416.99	1444.40	1474.23	1506.87	1534.04			
C	AFC +Energy Charges	Rs. Crore		1581.20	1495.31	1495.31	1672.23	1695.45	1828.15	1879.25	1934.55	1990.47	2019.41			

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Form 2: Operation and Maintenance Expenses

A. For Existing Generating Stations

S. No.	Particulars	Reference	FY 2022-23		FY 2023-24		Control Period				(Rs. Crore)						
			MYT/Tariff Order	Apr-Mar	True-Up requirement	MYT/Tariff Order	Apr - Mar	FY 2024-25		FY 2025-26		FY 2026-27		FY 2027-28		FY 2028-29	
								Approved	Audited	Claimed	Approved	Provisional	Projected	Projected	Projected	Projected	Projected
1	Employee Expenses	Form 2.1	142.91	208.43	208.43	148.66	229.23	220.94	233.75	247.31	261.65	276.83					
2	A&G Expenses	Form 2.2	11.814	12.46	12.46	37.8	14.82	16.27	17.07	17.90	18.78	19.70					
3	R & M Expenses	Form 2.3	35.79	24.75	24.75	12.07	28.24	33.05	33.60	34.16	34.60	34.60					
4	Total O&M Expenses		188.61	245.64	245.64	198.53	272.29	270.25	284.42	299.37	315.03	331.13					

Note:

1 The projections for the Control Period to be supported by detailed computations

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From 2.1 Employee Expenses

S.No.	Particulars	FY 2019-20	FY 2020-21	FY 2021-	FY 2022-23	FY 2023-24	Control Period			
		Apr-Mar	Apr-Mar	Apr-Mar	Apr-Mar	Apr - Mar	FY 2024-25	FY 2025-26	FY 2026-27	FY 2027-28
		Audited	Audited	Audited	Audited	Provisional	Projected	Projected	Projected	Projected
1	Basic Salary				112.13	121.23				
2	Dearness Allowance (DA)				3.71	10.29				
3	House Rent Allowance				8.84	9.13				
4	Conveyance Allowance				1.25	1.23				
5	Leave Travel Allowance				0.00	0.00				
6	Earned Leave Encashment				19.88	19.88				
7	Other Allowances				28.88	21.13				
8	Medical Reimbursement				2.83	0.75				
9	Overtime Payment				0.00	-				
10	Bonus/Ex-Gratia Payments				0.00	-				
11	Interim Relief / Wage Revision				0.00	0.00				
12	Staff welfare expenses				2.65	2.30				
13	VRS Expenses/Retrenchment Compensation				0.00	-				
14	Commission to Directors				0.00	-				
15	Training Expenses				0.00	-				
16	Payment under Workmen's Compensation Act				0.14	-				
17	Net Employee Costs				180.33	185.94				
18	Terminal Benefits				0.00	-				
18.1	Provident Fund Contribution				11.51	12.55				
18.2	Provision for PF Fund				0.00	-				
18.3	Pension Payments				0.00	-				
18.4	Gratuity Payment				16.59	30.73				
19	Unfunded past liabilities of pension & gratuity				0.00	-				
20	Others				0.00	-	220.94	233.75	247.31	261.65
21	Gross Employee Expenses	0.00	0.00	0.00	208.43	229.23	220.94	233.75	247.31	261.65
22	Less: Expenses Capitalised				0.00	-				
23	Net Employee Expenses	144.01	181.16	169.95	208.43	229.23	220.94	233.75	247.31	261.65
										276.83
										276.83

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Form 2.2 Administration & General Expenses

S. No.	Particulars	Control Period									
		FY 2019-20		FY 2020-21		FY 2021-22		FY 2022-23		2023-24	
		Apr-Mar	Audited	Apr-Mar	Audited	Apr-Mar	Audited	Apr-Mar	Audited	Apr - Mar	Provisional
		Audited								FY 2024-25	FY 2025-26
										Projected	Projected
1	Rent Rates & Taxes	0.79	2.32	1.88	1.06	2.08					
2	Insurance	2.60	2.78	2.84	2.66	2.65					
3	Telephone & Postage, etc.	0.10	0.07	0.07	0.14	0.14					
4	Legal charges & Audit fee	0.14	0.14	0.08	0.13	0.09					
5	Professional, Consultancy, Technical fee	0.07	0.05	0.14	0.12	0.04					
6	Conveyance & Travel	0.12	0.03	0.03	0.08	0.07					
7	Electricity charges	0.24	0.73	1.49	0.83	0.79					
8	Water charges	0.01	0.01	0.00	0.00	0.00					
9	Security arrangements	4.61	4.37	6.89	5.77	6.39					
10	Fees & subscription	0.03	0.13	0.02	0.04	0.02					
11	Books & periodicals	0.00	0.00	0.00	0.00	0.00					
12	Computer Stationery	0.00	0.00	0.00	0.00	-					
13	Printing & Stationery	0.11	0.09	0.13	0.11	0.06					
14	Advertisements	0.69	0.07	0.10	0.06	0.08					
15	Purchase Related Advertisement Expenses	0.00	0.00	0.00	0.00	-					
16	Contribution/Donations	0.00	0.00	0.00	0.00	-					
17	License Fee and other related fee	0.00	0.00	0.00	0.00	-					
18	Vehicle Running Expenses Truck / Delivery Van	0.03	0.02	0.02	0.03	0.11					
19	Vehicle Hiring Expenses Truck / Delivery Van	1.53	1.38	1.37	1.33	1.39					
20	Cost of services procured	0.00	0.00	0.00	0.00	-					
21	Outsourcing of metering and billing system	0.00	0.00	0.00	0.00	-					
22	Freight On Capital Equipments	0.00	0.00	0.03	0.04	0.04					
23	V-set, Internet and related charges	0.00	0.00	0.00	0.00	-					
24	Training	0.05	0.01	0.05	0.04	0.05					
25	Bank Charges	0.00	0.00	0.00	0.00	-					
26	Miscellaneous Expenses	0.00	0.00	0.00	0.00	-					
27	Office Expenses	0.02	0.02	0.02	0.03	-					
28	Others	0.16	0.39	3.58	0.00	0.83					
29	Gross A & G Expenses	11.30	13.12	18.78	12.46	14.82					
30	Less: Expenses Capitalised	0.00	0.00	0.00	0.00	-					
31	Net A & G Expenses	11.30	13.12	18.78	12.46	14.82					
						16.27	17.07	17.90	18.78	19.70	
						16.27	17.07	17.90	18.78	19.70	
						16.27	17.07	17.90	18.78	19.70	

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Form 2.3: Repair & Maintenance Expenses

S. No.	Particulars	(Rs. Crore)									
		FY 2019-20		FY 2020-21		FY 2021-22		FY 2022-23		FY 2023-24	
		Apr-Mar	Audited	Apr-Mar	Audited	Apr-Mar	Audited	Apr-Mar	Audited	Apr - Mar	Provisional
1	Plant & Machinery	20.86	17.21	34.37	0.00	20.39	23.91				
2	Buildings	0.00	0.00	0.00	0.00	-	0.00				
3	Civil Works	4.00	1.95	3.58	0.00	3.18	3.23				
4	Hydraulic Works	0.00	0.00	0.00	0.00		0.00				
5	Lines & Cable Networks	0.85	0.90	1.23	0.94	0.94	0.83				
6	Vehicles	0.03	0.01	0.02	0.02	0.02	0.02				
7	Furniture & Fixtures	0.00	0.00	0.00	0.00		0.00				
8	Office Equipment	0.12	0.32	0.38	0.38	0.22	0.25				
9	Gross R&M Expenses	25.86	20.39	39.59	24.75	28.24	33.05	33.60	34.16	34.60	34.60
10	Gross Fixed Assets at beginning of year	2149.48	2152.84	2188.98		2269.88	2275.94	2314.35	2352.85	2382.85	2382.85
11	R&M Expenses as % of GFA at beginning of year	1.20%	0.95%	1.81%	1.09%	1.24%	1.45%	1.45%	1.45%	1.45%	1.45%

1. KTPS-V

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Form 3: Summary of Capital Expenditure and Capitalisation

S. No.	Particulars	FY 2022-23			FY 2023-24		Control Period					(Rs. Crore)
		MYT/Tariff Order	Apr-Mar	True-Up requirement	MYT/Tariff Order	Apr - Mar	FY 2024-25	FY 2025-26	FY 2026-27	FY 2027-28	FY 2028-29	
		Approved	Audited	Claimed	Approved	Provisional	Projected	Projected	Projected	Projected	Projected	
1	Opening Capital Works in Progress		1.85	1.85		0.00	0.00	0.00	0.00	0.00	0.00	
2	Capital Expenditure during the year		4.21	4.21		0.17	38.24	38.50	30.00	0.00	0.50	
3	Capitalisation during the year		6.06	6.06		0.17	38.24	38.50	30.00	0.00	0.50	
4	Closing Capital Works in Progress	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	

Form 3.1: Statement of Additional Capitalisation after COD

S. No.	FY	Name of the package (BTG, BoP, Civil Works etc.)	Name of the work	Total estimated cost* (Rs. Crore)	Capital expenditure during the year (Rs. Crore)	Capitalisation during the year (Rs. Crore)	Asset group under which the capitalisation has been accounted (Land, Buildings, etc.)	Scope of work	Relevant Clause of the TSERC MYT Regulation, 2023 under which the capitalisation has been claimed	Justification
...	Year (n-1)	Year (2022-23)								
1		OTHER CIVIL WORKS			1.43	1.43	OTHER CIVIL WORKS			
2		VEHICLES			0.25	0.25	VEHICLES			
3		FURNITURE & FIXTURES			0.07	0.07	FURNITURE & FIXTURES			
4		OFFICE EQUIPMENT			0.01	0.01	OFFICE EQUIPMENT			
5		LINES & CABLES			0.43	0.43	LINES & CABLES			
6		CWIP PLANT AND MACHINERY			2.65	2.65	PLANT & MACHINERY & LINES & CABLES			
7		CWIP CAPITAL WORK IN PROGRESS - OTHERS			1.29	1.29	PLANT & MACHINERY & LINES & CABLES			
8		CWIP PROVISIONS			-1.93	0.00				
...										
	Total			0.00	4.21	6.06				
	Current Year 'n'	2023-24								
1			COMPUTERS		0.07	0.07	COMPUTERS			
2			OFFICE EQUIPMENT		0.01	0.01	OFFICE EQUIPMENT			
3					0.09	0.09				
...				0.00	0.17	0.17				
	Total			0.00	0.17	0.17				
	Year (n+1)	2024-25								
1										
2										
3			IT Initiatives		2.34	2.34	IT			
...			The details are enclosed as annexure		35.90	35.90			The work - R&M of LP Bypass System was approved in Capital Investment order Dt.29.12.2023 at Table No. 5.16 for Rs.8.0 Crs.	
	Total			0.00	38.24	38.24				
	Year (n+2)	2025-26		0.00	38.24	38.24				
1										
2										
3										
...			The details are enclosed as annexure	38.50	38.50	38.50				
	Total			38.50	38.50	38.50				
	Year (n+3)	2026-27								
1										
2										
3										
...			The details are enclosed as annexure	30.00	30.00	30.00				
	Total			30.00	30.00	30.00				
	Year (n+4)	2027-28								

[illegible]

* Total estimated cost to be supported by documentary evidences like work orders, investment approvals etc.

TELANGANA STATE POWER GENERATION CORPORATION LIMITED
ITPS-V STAGE
Form 2.1: Statement of Additional Capitalisation at ITPS-V STAGE

S. No.	FY	Name of the package (ETG, BOP, Civil Works etc.)	Name of the work	Total estimated cost (Rs. Crore)	Capital expenditure during the year (Rs. Crore)	Capitalisation during the year (Rs. Crore)	Asset group under which the capitalisation has been provided (Land, Building, etc.)	Scope of work	Relevant Clause of the TSPGC BYT Regulation, 2003 under which the capitalisation has been claimed	Justification
1	2022-23 (H1)	R-001.01	Unit-9 (Supplies-Service)		3.31	0.31				
		R-001.02	Unit-9 (Supplies-Service)		1.14	1.14				
		R-001.03	Common works (Supplies-Service)	75.08	1.29	1.29	LINES AND CABLE NETWORK			
		R-001.04	Civil works		0.40	0.40				
		R-001.05.01	Air pre heater single sealing arrangement	12.20	0.73	0.73	PLANT AND EQUIPMENT			
		C-0007.01	Building of AB along bunds from Chidamaram to Chidambaram (1000 ft) and Chidambaram to Chidambaram (1150 ft) to EL-1100-50M @ Paloncha		1.40	1.40	OTHER CIVIL WORKS			
		Total		87.20	5.20	5.20				
1	2022-23 (H1)	R-001.05.01	Air pre heaters single sealing arrangement		0.03	0.03				
2		R-001.04	Civil works	0.60						
3		F-0004.03.04.03	Submerised Man tank	0.36						
	Total			0.96	0.03	0.03				
	2022-23 (H1)									
1		BTGHC/MFPS-V	Renovation and modernization of LPGP Governing system	9.50			Equipment	Renovation of existing Electric Hydraulic Converter, Hydraulic converter and Bypass Limit Controller with relevant modern alternate equipment.	Clause No.24	The work -R&M of LP Bypass System was approved in Capital Investment order, Dt.28.12.2022 at Table No. 5.16 for Rs.6.0 Crn. The existing LP Bypass system in Unit-03 3.0 of ITPS-V stage does not have the spare for Electric Hydraulic Converter (EHC), Bypass Limit Controller which were installed during Unit commissioning and have become obsolete as informed by the OEM. In view of the significance of LP Bypass system in running the units, the proposed to renovate the LP Bypass system as per the recommendation of the OEM (see sheet) here with enclosure.

S. No.	FY	Name of the package (BTL, BOP, Civil Works etc.)	Name of the work	Total estimated cost (Rs. Crore)	Capital expenditure during the year (Rs. Crore)	Disposal during the year (Rs. Crore)	Asset group under which the capitalisation has been accounted (Land, buildings, etc.)	Scope of work	Relevant Clause of the TNERC MYT Regulation, 2023 under which the capitalisation has been claimed	Justification
1		Civil Works	Raising of Additional ash pond bund of KTPS-V&V Stages from EL+115.50M to EL+127.00M	30.00			OTHER CIVIL WORKS	Providing ash box by using dry rough stone packing, laying horizontal & vertical fillers using well graded material, formation of embankment with pond ash for core & suitable earth for cover etc.	Clause 7.19	As per M&EF norms, ash generated from Thermal Power Plants has to be disposed in a safe manner. KTPS-V&V Stages is having Ash pond, additional ash pond & C Stages. The disposal of ash generated from KTPS-V Stages Plant & KTPS-VI Stages Plant has been decided in FY 2025-26. Hence, before saturation of AS pond with ash, the existing additional ash pond has to be raised from EL+115.50M to EL+127.00M to accommodate further ash generated from KTPS-V&V Stages. This has to be done on priority.
2		BTL&C&KTPS-V	Renovation and modernization of L&P&P Governing system	8.50			Equipment	Retooling of existing Electro Hydraulic Converter, Hydraulic Controller and Hydropast Unit Controller with relevant modern alternate equipment.	Clause No 24	The existing L&P By-pass systems in Units 1 & 2 of KTPS-V Stages does not have the required Electro Hydraulic Controller (EHC), Hydropast Unit Controller (HUC) which were installed during Unit commissioning and have become obsolete. Information by the OEM in view of the safety of the system, it is recommended to replace the existing L&P By-pass systems with the recommendation of the OEM (M&S PH&L) (H&S with endorsed).
	Total			38.50						
1		Civil Works	Raising of Additional ash pond bund of KTPS-V&V Stages from EL+115.50M to EL+127.00M	30.00			OTHER CIVIL WORKS	Providing ash box by using dry rough stone packing, laying horizontal & vertical fillers using well graded material, formation of embankment with pond ash for core & suitable earth for cover etc.	Clause 7.19	As per M&EF norms, ash generated from Thermal Power Plants has to be disposed in a safe manner. KTPS-V&V Stages is having Ash pond, additional ash pond & C Stages. The disposal of ash generated from KTPS-V Stages Plant & KTPS-VI Stages Plant has been decided in FY 2025-26. Hence, before saturation of AS pond with ash, the existing additional ash pond has to be raised from EL+115.50M to EL+127.00M to accommodate further ash generated from KTPS-V&V Stages. This has to be done on priority.
	Total			30.00						
	2023-24 (a+b)									
1										
	Total									
	2023-24 (a+b)									

CAPITAL INVESTMENT PLAN FOR THE 5TH CONTROL PERIOD (FY: 2024-29)
IN RESPECT OF KTPS- V & VI Stages

1)	Renovation of LP Bypass Systems of Unit#09 & Unit#10 of KTPS V Stage.	
	Justification	<p>High pressure (HP) and Low pressure (LP) bypass systems all together play a vital role in achieving Boiler & Turbine parameters in the least possible time envisaging quick start-up of the unit as well as during unit trip, where load rejection at the turbine does not automatically lead to a boiler trip.</p> <p>The LP bypass system diverts the steam generated by the boiler to the Condenser via HP bypass system and Reheater thus maintaining a minimum circulation of steam through the boiler which enables running the boiler without the turbine in service, ensuring flow through re-heater coils. The bypass system has the following advantages:</p> <ul style="list-style-type: none"> • Prolonged venting of safety valves to atmosphere is avoided, thereby reducing DM water loss. • Sustained flow through the boiler heating surfaces is assured, ensuring Re-heater protection during start-up of units. • Enabling House-Load operation <p>Of late, the Original Equipment manufacturer i.e., M/s.BHEL Ltd. expressed their inability to supply certain critical spares viz., LPBP plunger/moving coil for Electro Hydraulic (EH) converter pertaining to LP Bypass system due to which retrofitting of existing LP Bypass system is proposed for reliable and seamless operation.</p> <p>It is noteworthy to mention that, one of the main objectives of Renovation & Modernization (R&M) program is to overcome technological obsolescence and non-availability of spares. Perceiving the need to overcome such technological barriers as well as significant technological advancements in Instrumentation & control systems which gets obsolete very fast due to rapid growth in the field of instrumentation, renovation of LP bypass system of U#09 & U#10 is proposed during the 5th control period (2024-29).</p> <ul style="list-style-type: none"> • Ensure optimized productivity, reliability and safe operation of unit. • Necessity to upgrade to the better state of the art technology by revamping the old and obsolete DCS system due to lack of spares availability. • Spurious operation of bypass system causing unwarranted unit disturbances.
	Expenditure (approx.)	08 Crores
	Cost-benefit analysis	---
	Improvement in operating norms	A healthy bypass system shortens the unit start-up time essentially reducing oil consumption & % Auxiliary power consumption.

2)	Up-gradation of Variable Frequency Drive (VFD) systems for Induced Draft (ID) fans of Unit#09 & Unit#10 and Boiler Feed Pump (BFP) -10C in Unit#10.	
	Justification	<p>Rapid industrialization for the past few decades and increasing power demand across the nation in an exponential manner specifically quantifies an optimum utilization of electricity available. Realizing the fact that energy efficiency and energy conservation are the forerunners for sustainable development, steps towards minimizing power consumption gained much prominence. Usually all thermal power plants employ oversized pumps and motors depending on the capacity of power plant for generation of electricity. In fact, electric motors alone consume nearly $\frac{2}{3}$rd of auxiliary power consumption. Hence, any opportunity to reduce the motor load even by smaller proportion is highly significant.</p> <p>Installation of Variable frequency drives shall certainly envisage significant power savings and the financial burden is balanced against the earning resulting from the associated energy saving. A typical installation of a Variable frequency drive (VFD) for oversized motor can reduce the power consumption by 25% thereby saving the energy cost. Additionally, Variable frequency drive (VFD) avoids operational problems of the plant. However, Technological advancements in semi-conductor devices over the decades caused the existing VFD cards obsolete demanding up-gradation of all VFD systems with latest state-of-the-art technologies</p> <p>One of the main objectives of Renovation & Modernization (R&M) program is to overcome technological obsolescence and non-availability of spares wherein instrumentation & control offers a wider scope owing to technological advancements in semi-conductor devices over the decades driving the existing C&I system obsolete. Realizing the need to overcome such technological barriers, it is indispensable to replace the existing VFD cards and up-gradethe VFD systems with latest state-of-the-art technologies. The following advantages clearly indicate upgradation of existing variable frequency drives system is a viable investment.</p> <ul style="list-style-type: none"> • Frequent drive failures resulting in significant generation loss and abnormal secondary fuel (HFO) consumption. • Eliminating technological obsolescence by revamping the old and obsolete system to ensure optimized productivity, reliability and safe operation of unit.
	Expenditure (approx.)	25 Crores
	Cost-benefit analysis	---
	Improvement in operating norms	---

3)	Modification of 02 Nos Air Pre Heaters (size: 27.5 VIMT 2000) single sealing arrangement with double sealing arrangement by Design, Engineering, Manufacturing, Supply and Erection & Commissioning of Double Sealing Material duly dismantling the existing Single seal Air Pre heater in Unit X(1 X 250MW) of KTPS V Stage								
Justification	<p>U#10 (250 MW) of KTPS V Stagewas commissioned on 28.02.1998 and has been running successfully meeting the power requirements of Telangana state. Of late, the performance of air heaters is reportedly observed to be deteriorating which is effecting the overall performance of the unit. Also, the energy audits conducted at regular intervals has identified the under-performance of U#10 Air heaters. The audit reports reported an average air leakage across air heaters of 50-60% as against a design air leakage of 8% which shall certainly effect the heat recovery across the air heaters eventually deviating with the design boiler efficiency.</p> <p>Acknowledging a similar severe performance deterioration in Unit#09 of KTPS V Stage, modification of 02 Nos Air Pre Heaters (size: 27.5 VIMT 2000) with double sealing arrangement duly dismantling the existing Single Seal Air Pre heaters has been successfully accomplished during the 4th control period (2019-24) which later witnessed phenomenal results post completion of the same.</p> <p>The following conclusions were drawn in terms of energy efficiency improvements post accomplishment of APH R&M works in U#09.</p> <p>i) Air leakages across air preheaters tend to effect Air & flue gas system to a greater extent. The intensity of air preheater leakages shall result in increased auxiliary power consumption. An anticipated power reduction after successful accomplishment of Air preheaters with double sealing arrangement is <u>1044.52 KW.</u></p> <table border="1" data-bbox="683 1400 1321 1617"> <tr> <td>Anticipated Savings in Power (PA,FD&ID)</td><td>1044.52 KW</td></tr> <tr> <td>Power savings per day</td><td>0.025 MU</td></tr> <tr> <td>Power savings per annum (considering 85% PLF)</td><td>7.777 MU</td></tr> <tr> <td>Anticipated Improvement in % APC</td><td>0.42 %</td></tr> </table> <p>ii) The primary objective of the air preheater is to recover the heat from the boiler hot flue gas which increases the thermal efficiency of the boiler by reducing the useful heat loss in the flue gas. It is a well-known fact that for every 20 °C rise in flue gas temperature at air heater outlet, the boiler efficiency drops by 1%. <u>It is noteworthy to mention that the reduction in present exit flue gas temperatures is predominantly due to dilution of flue gas i.e., air leakages across Air preheaters.</u> The corrected flue gas temperature may indicate the actual scenario. An anticipated fuel savings after successful accomplishment of</p>	Anticipated Savings in Power (PA,FD&ID)	1044.52 KW	Power savings per day	0.025 MU	Power savings per annum (considering 85% PLF)	7.777 MU	Anticipated Improvement in % APC	0.42 %
Anticipated Savings in Power (PA,FD&ID)	1044.52 KW								
Power savings per day	0.025 MU								
Power savings per annum (considering 85% PLF)	7.777 MU								
Anticipated Improvement in % APC	0.42 %								

		<p>Air preheaters with double sealing arrangement is 121.73 Tons per day.</p> <table><tr><td>U#10 Corrected Flue gas Temperature (average) Before</td><td>190.91 °C</td></tr><tr><td>U#10 Corrected Flue gas Temperature (average) After</td><td>135.00 °C</td></tr><tr><td>Anticipated Reduction in Exit Flue gas Temperature after APH R&M</td><td>55.91 °C</td></tr><tr><td>Improvement in Boiler Efficiency</td><td>2.79 %</td></tr><tr><td>Fuel savings per day (considering 180 TPH at present condition)</td><td>121.73 MT</td></tr></table> <p>The double sealing arrangement would certainly minimize the air leakages with an additional reduction of 2% when compared to single seal arrangement by reducing the differential pressure (ΔP) across the sector. The following advantages can be achieved by modifying the existing single seal arrangement of air heaters with double sealing arrangement.</p> <ul style="list-style-type: none">• Improvement in the reliability of APH.• Reduction in Air Preheater Leakages from existing 40% to 6% air leakages.• Significant improvement in Boiler & APH efficiencies.• Improvement in Station Gross heat rate.• Reduction in % APC.• Reduction in particulate matter due to better ESP performance.• Reduction in Coal Consumption & Mill loading.• Reduced Maintenance Cost.	U#10 Corrected Flue gas Temperature (average) Before	190.91 °C	U#10 Corrected Flue gas Temperature (average) After	135.00 °C	Anticipated Reduction in Exit Flue gas Temperature after APH R&M	55.91 °C	Improvement in Boiler Efficiency	2.79 %	Fuel savings per day (considering 180 TPH at present condition)	121.73 MT
U#10 Corrected Flue gas Temperature (average) Before	190.91 °C											
U#10 Corrected Flue gas Temperature (average) After	135.00 °C											
Anticipated Reduction in Exit Flue gas Temperature after APH R&M	55.91 °C											
Improvement in Boiler Efficiency	2.79 %											
Fuel savings per day (considering 180 TPH at present condition)	121.73 MT											
	Expenditure (approx.)	: 11.8 Crores										
	Cost-benefit analysis	: (i) Fuel Savings Per annum Rs. 10.90 Crores (ii) Power savings per annum Rs.4.324 Crores Total Savings Rs.15.224 Crores										
	Improvement in operating norms	: (i) Guaranteed APH gas outlet temperature of 135°C. (ii) Guaranteed APH Leakage to less than or equal to 6%.										

4)	<p>Retrofitting of existing PLC system, Fire Detection and Alarm (FDA) Control System and analog DC drives with digital DC drives at Coal Handling Plant (CHP) of KTPS V&VI Stages</p> <p>a) Upgradation of Rockwell Automation make PLC system of Old CHP (PLC-V Processor) for Coal Handling Plant of KTPS-V&VI Stages.</p> <p>b) Upgradation of Fire Detection and Alarm System (FDA) for Old CHP of KTPS-V&VI Stages along with Control Panel for smoke Detectors and IR Detectors.</p> <p>c) Upgradation of Kirloskar make Wagon Tippler DC drives of rating 826 Amps (model: SRGP 440) with Latest Digital DC Drives.</p> <p>d) Replacement of Old Stacker relay logic with Latest PLC System for operation of Old Stacker in Coal Handling Plant of KTPS-V&VI Stages.</p>
	<p>Justification :</p> <p>The existing Fire Detection and Alarm (FDA) control system installed during the year 1997 by M/s. BHEL at CHP of KTPS V&VI Stages (from Conveyor-1A/B to 12A/B including switchgear & control rooms of MCC-I, MCC-II, MCC-III & MCC-IV) is SYSTEM 3 Universal Alarm Controller of Make: Pyrotronics International Ltd, USA. Currently, the FDA Control Unit model: CP-35 is healthy and in working condition.</p> <p>Hitherto, the system has been in continuous service for the past 25 years and is obsolete due to non-availability of requisite spares. Also, the OEM has announced the phasing-out of the Product SYSTEM 3 and stopped maintenance related services to SYSTEM 3 components, enclosures and accessories.</p> <p>It is noteworthy to mention that the same SYSTEM 3 FDA control system upgradation pertaining to KTPS V Stage (unit-side) has been successfully accomplished by M/s BHEL Ltd. [Sub-Vendor: M/s BOSCH] as a part of C&I renovation & Modernization (R&M) activity during the 4th control period (2019-24). Hence it is necessary to replace the existing SYSTEM 3 FDA control system at Coal Handling plant/KTPS V&VI stages for efficient monitoring of Fire Detection and Alarm System.</p> <p>CHP operation PLC system comprising PLC5 processor was installed and commissioned by M/s Rockwell Automation Pvt. Ltd. in 1997. The PLC5 processor and DH+ communication system is obsolete due to non-availability of spares. M/s Rockwell Automation Pvt. Ltd is no longer providing spares and services. The outdated DH+ communication method is to be replaced with latest communication methods. OEM has suggested upgrading the PLC5 processor and SLC I/O system to latest platform as the existing hardware is obsolete and the reliability of the present system is unpredictable.</p>

		<p>PLC-5 processor upgradation with DCS system has been successfully accomplished at Ash handling plant/KTPS V Stage as a part of C&I renovation & Modernization (R&M) activity during the 4th control period (2019-24). Hence it is necessary to upgrade the PLC-5 processor along with necessary modules for smooth operation of the Conveying system.</p> <p>The old stacker cum Reclaimer system at Coal handling plant/KTPS V&VI Stages has remote logics through conventional relay interlocking system and was commissioned by M/s TRF Ltd in 1997. The existing traditional mechanical relays wear out much faster than the electronics in PLC RIO module. Every time a mechanical relay opens and closes, the contacts will arc frequently. The arcing can eventually destroy the contacts. The auxiliary contactors are being damaged due to arcing by frequent stacker relay operations.</p> <p>The PLC interlocking system offers many advantages such as reliability, ease of troubleshooting, versatility with the programming and easy expandability. The Allen Bradley make PLC System for new stacker at Coal handling plant/KTPS V&VI Stages was supplied by M/s Rockwell Automation Pvt. Ltd. in 2016 is working efficiently. Hence it is necessary to upgrade the mechanical relay panel to latest PLC interlocking system in Old stacker cum Reclaimer/CHP.</p> <p>ELECON make Wagon Tippler (A&B) was commissioned in the year 1998 for tipping operations of BOX-N type wagons. Kirloskar make SRGP440 model thyristor controlled DC Drive (Rating: 826 amps) drives the DC motor for tipping operation. The continuous availability of wagon tippler is very much essential for smooth unloading of BOX-N type wagons. Of late, the reliability of the existing system is unpredictable as this model is obsolete due to non-availability of spares as well as the existing drivesystem is in continuous operation for the past 25 years and is experiencing frequent troubles. Also, OEM i.e., KEC Ltd stopped manufacturing DC drives and no technical support is being extended from OEM for repairing the internal PCB cards.</p> <p>Digital DC drives are more reliable, efficient, ease of troubleshooting and compact in size. Hence, existing analogue DC drive is to be replaced with latest Digital DC drive for smooth tipping operation at CHP.</p> <p>In order to ensure safe and reliable operation of Coal handling plant at KTPS V&VI stages, the above mentioned retrofits are proposed during the 5th control period (2024-29) understanding their significance to ensure reliable power generation</p>
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			Note: Up gradation /Replacement include Dismantling of the existing system, erection, testing and commissioning.
	Expenditure (approx.)	:	13 Crores
	Cost-benefit analysis	:	----
	Improvement in operating norms	:	----

5)	Installation of Flue Gas Desulfurization (FGD) and Up-gradation of Electrostatic Precipitators(ESP) at KTPS-V&VI Satgesis required as per CFO of KTPS-V&VI Satgesand MOEF&CC.		
	Justification	:	As per CFO guidelines, the Flue Gas Desulfurization (FGD) and Up-gradation of Electrostatic Precipitators(ESP) at KTPS-V&VI Satges to be installed to meet the norms of MOEF &CC.
	Expenditure (approx.)	:	1231.04 Crores
	Cost-benefit analysis	:	----
	Improvement in operating norms	:	----

Fire Detection and Alarm (Justification)

Justification:

Fire Detection and Alarm (FDA) control system of Old CHP of KTPS- V&VI Stages i.e from Conveyor-IA/B to 12A/B including switchgear & control rooms of MCC-I, MCC-II, MCC-III & MCC-IV was installed and commissioned by M/s BHEL in 1997. The commissioned FDA control system product is SYSTEM 3 Universal Alarm Controller of make Pyrotronics International Ltd, USA. At present the FDA Control Unit model: CP-35 is healthy and in working condition. The system has been in continuous service for the last 25 years and the system has become obsolete due to non availability of spares. The Phase-out Announcement of the Product SYSTEM 3 has been given by the company. The services to SYSTEM 3 components, enclosures and accessories have been stopped by the company.

The same Product system 3 was installed and commissioned in KTPS-V Stage by M/s BHEL. As part of R&M works, the SYSTEM 3 FDA system upgradation has been done by M/s BHEL through M/s BOSCH. Hence it is necessary to replace the FDA control system product SYSTEM 3 for efficient monitoring of Fire Detection and Alarm System of old CHP.

CHP operation PLC system has PLC5 processor. It was installed and commissioned by M/s Rockwell automation pvt Ltd. in 1997. The PLC5 processor and DH+ communication system was obsolete due to non availability of spares. M/s Rockwell automation pvt Ltd is no longer providing spares and services. Outdated DH+ communication method is to be replaced with latest communication methods. OEM Company has suggested upgrading the PLC5 processor and SLC I/O system to latest platform as the existing hardware is obsolete.

As part of R&M works of stage V, in Ash handling plant (stage-V) the PLC-5 processor was upgraded with DCS system. The reliability of the present system is unpredictable. Hence it is necessary to upgrade the PLC-5 processor along with necessary modules for smooth operation of the Conveying system.

Elecon make Wagon Tippler (A&B) was commissioned in the year 1998 for the tipping operations of BOX-N type wagons. The Tippler has Kirloskar make SRGP440 model thyristor controlled DC Drive (Rating: 826 amps) to drive the DC motor for tipping operation. The continuous

availability of wagon tippler is very much essential for smooth unloading of BOX-N type wagons. Whereas the existing drives have been in continuous service for the past 25 years, the reliability of the system is unpredictable as this model is obsolete due to non availability of spares. Frequent troubles on drives are also being experienced. The OEM Company i.e KEC Ltd is stopped the manufacturing of DC drives and no technical support is being available for repairing the internal PCB cards from the OEM Company.

Digital DC drives are more reliable, efficient, ease of troubleshooting and compact in size. Hence, existing analogue DC drive is to be replaced with latest Digital DC drive for smooth Tippling operation in CHP.


AE/Protection


ADE/Protection


DE/EM/CHP

transmitter has also been envisaged. Design of Hydraulic Converter has also got modified.

It is possible to retrofit the old design with the new design. Following changes are envisaged in new design:

a) Mechanical side:

- i. Existing Electro-hydraulic Converter along with Hydraulic Converter shall be replaced with alternate design of EHC & Hydraulic Converter (supplied in assembled and tested condition from BHEL Haridwar)
- ii. Modifications shall be carried out in existing LP bypass Control rack assembly at site (Cutting of existing drain pipe/welding of new pipes etc).

b) C&I side: Modifications in existing control system depending upon type of existing DCS.

2. Alternate design of Bypass Limit Controller: In new design, existing Bypass Limit Controller has been replaced by a directional Solenoid valve. Command to this Solenoid valve is electrical. This results in fast and accurate operation of the newly developed design. This design also requires installation of additional sensors as per requirement. Design of Hydraulic Converter has also got modified.

It is possible to retrofit the old design with the new design. Following changes are envisaged in new design:

a) Mechanical side:

- i. Existing Bypass Limit Controller along with Hydraulic Converter shall be replaced with alternate design (supplied in assembled and tested condition from BHEL Haridwar).
- ii. Modifications shall be carried out in existing LP bypass Control rack assembly at site (Cutting of existing drain pipe/welding of new pipes etc).

b) C&I side:

- i. Installation of additional sensors at site.
- ii. Modifications in control system depending upon type of existing control system.

As modifications in Hydraulic Converter assembly shall be required in both the above alternate designs, we propose the Customer to order a comprehensive solution which includes modified design of Electro-hydraulic Converter, Bypass limit controller and Hydraulic Converter so that procurement of additional Hydraulic Converter is not required at Customer's end and complete modifications are done in one go.

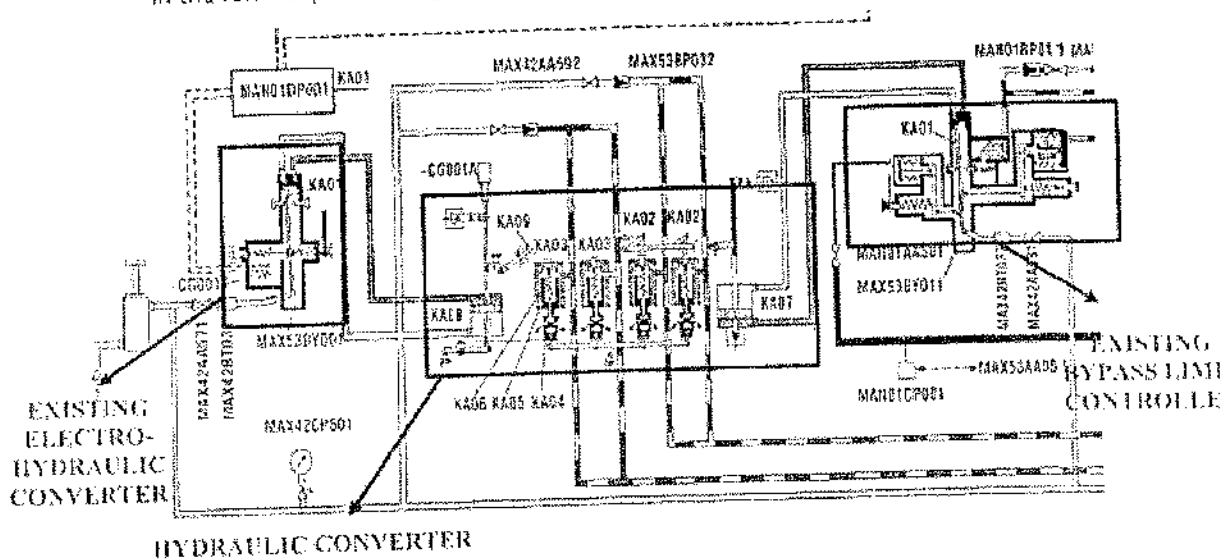
Write-up on retrofitting of existing Electro-Hydraulic Converter and Bypass limit controller of LP bypass system equipped with low pressure governing

BHEL supplied LP bypass system (with low pressure governing) is equipped with following devices for controlling/protection of LP bypass valves and Water injection valves:

1. Electro-hydraulic Converter
2. Bypass Limit controller

Functions of these devices are as follows:

1. **Electro-hydraulic Converter:** Electro-hydraulic Converter is required for opening/closing of LP bypass stop/control valves and water injection valves. It forms a link between Electrical & hydraulic system control. Existing Electro-hydraulic converter comprises of a Moving coil and jet pipe regulator.
2. **Bypass Limit controller:** Function of Bypass Limit Controller is to protect the Condenser by closing LP bypass Stop & Control valves in case limit values 'Condenser pressure too high'; 'Bypass flow too much' and 'Injection water pressure too low' are exceeded. Existing Bypass Limit controller is a hydro-mechanical device getting signals in the form of pressure signals.



GOVERNING SCHEME WITH EXISTING EHC, BYPASS LIMIT CONTROLLER & HYDRAULIC CONVERTER

The existing Electro-Hydraulic Converter (EHC) & Bypass Limit Controllers have become obsolete and are no longer available as spares. To meet the Customer's requirement for spares, BHEL has developed alternate designs against both the items.

1. **Alternate design of Electro-hydraulic Converter:** In new design, Proportional valve has been used which is an state of the art equipment. Additionally, new Position

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Form 3.2: Financing of Additional Capitalisation

S. No.	Particulars	FY 2022-23		FY 2023-24		Control Period				
		Actual		Provisional		FY 2024-25	FY 2025-26	FY 2026-27	FY 2027-28	FY 2028-29
1	Additional capitalisation	6.06		0.17		38.24	38.50	30.00	0.00	0.50
2	Financing Details									
	Loan 1	4.24		0.12		26.77	26.95	21.00	0.00	0.35
	Loan 2									
	...									
	Total Loan	4.24		0.12		26.77	26.95	21.00	0.00	0.35
3	Equity	1.82		0.05		11.47	11.55	9.00	0.00	0.15
4	Internal Resources									
5	Others (Please Specify)									
6	Total (2+3+4+5)	6.06		0.17		38.24	38.50	30.00	0.00	0.50

Form 4: Fixed Assets & Depreciation

IRs: Croret

FY 2022-23														IRs. Crores)	
S.No	Asset Group	A/c Code	Rate of Depreciation	Gross fixed Assets			Provisions for depreciation				Net fixed Assets				
				At the beginning of the year	Additions during the year	Adjust. & deductions	At the end of the year	Cumulative upto the beginning of the year	Additions during the year	Adjust. during the year	Cumulative at the end of the year	At the beginning of the year	At the end of the year		
1	Land & Land Rights	1000	0	3.52	0.00		3.52	0.00	0.00	0	0.00	3.52	3.52		
2	Buildings	1100	3.34%	92.48	0.00		92.48	83.19	0.02	0	83.21	9.29	9.27		
3	Lines & Cable Network	1200	5.28%	66.01	3.15		69.16	20.00	8.02	0	28.02	46.01	41.14		
4	Plant & Machinery	1300	5.28%	1,737.80	1.15		1,738.95	1,436.23	3.69	0	1,439.92	301.57	299.03		
5	Capital Spares	1400	5.28%	51.96	0.00		51.98	46.46	2.75	0	49.21	5.50	2.75		
6	Hydraulic Works	1500	5.28%	195.84	0.00		195.84	150.36	7.95	0	158.31	45.48	37.53		
7	Other Civil Works	1600	3.34%	116.12	1.43		117.55	60.45	11.88	0	72.33	55.67	45.21		
8	Vehicles	1700	9.50%	0.75	0.25		1.00	0.18	0.07	0	0.25	0.57	0.75		
9	Furniture & Fixtures	1800	6.33%	1.08	0.07		1.16	0.79	0.04	0	0.82	0.29	0.33		
10	Computers	1900	15%	2.99	0.00		3.00	2.39	0.11	0	2.51	0.60	0.49		
11	Office Equipment	2100	6.33%	1.30	0.01		1.32	0.72	0.06	0	0.77	0.59	0.54		
	Intangible Assets	2200	15.00%	0.02	0.00		0.02	0.02	0.00	0	0.02	0.00	0.00		
1	Sub Total			2269.88	6.06		2275.94	1800.79	34.59		1835.38	469.09	440.56		
	Total			2269.88	6.06	0.00	2275.94	1800.79	34.59	0.00	1835.38	469.09	440.56		

FY 2023-24													
S.No	Asset Group	A/c Code	Rate of Depreciation	Gross fixed Assets			Provisions for depreciation				Net fixed Assets		
				At the beginning of the year	Additions during the year	Adjust. & deductions	At the end of the year	Cumulative upto the beginning of the year	Additions during the year	Adjust. during the year	Cumulative at the end of the year	At the beginning of the year	At the end of the year
1	Land & Land Rights	1000	0	3.52	-	0.00	3.52	0.00	-		0.00	3.52	3.52
2	Buildings	1100	3.34%	92.48	-	0.00	92.48	83.21	0.02		83.23	9.27	9.25
3	Lines & Cables	1200	5.28%	69.16	-	0.00	69.16	28.02	8.02		36.04	41.14	33.12
4	Plant & Machinery	1300	5.28%	1,738.95	0.03	0.00	1,738.98	1,439.92	4.69		1,444.61	299.03	294.37
5	Capital Spares	1400	5.28%	51.96	-	0.00	51.96	49.21	2.75		51.96	2.75	0.00
6	Hydraulic Works	1500	5.28%	195.84	-	0.00	195.84	158.31	7.95		166.26	37.53	29.58
7	Other Civil Works	1600	3.34%	117.55	-	0.00	117.55	72.33	11.78		84.12	45.21	33.43
8	Vehicles	1700	9.50%	1.00	-	0.00	1.00	0.25	0.07		0.32	0.75	0.68
9	Furniture & Fixtures	1800	6.33%	1.16	0.06	0.00	1.22	0.82	0.04		0.86	0.33	0.36
10	Computers	1900	15%	3.00	0.07	0.00	3.07	2.51	0.11		2.62	0.49	0.45
11	Office Equipment	2100	6.33%	1.32	0.01	0.00	1.33	0.77	0.06		0.83	0.54	0.49
12	Intangible Assets	2200	15.00%	0.02	-	0.00	0.02	0.02	-		0.02	0.00	0.00
	Total		1.56%	2275.94	0.17	0.00	2276.11	1835.38	35.49		1870.87	440.56	405.24
	Total		1.56%	2275.94	0.17	0.00	2276.11	1835.38	35.49	0.00	1870.87	440.56	405.24

FY 2024-25												
S.No	Asset Group	A/c Code	Rate of Depreciation	Gross fixed Assets			Provisions for depreciation				Net fixed Assets	
				At the beginning of the year	Additions during the year	Adjust. & deductions	At the end of the year	Cumulative upto the beginning of the year	Additions during the year	Adjust. during the year	Cumulative at the end of the year	At the beginning of the year
					38.24	0.00			35.53			
				2275.11	38.24	0.00	2314.35	1870.87	35.53	0.00	1906.40	405.24
	Total		1.55%									407.95

FY 2025-26												
S.No	Asset Group	A/c Code	Rate of Depreciation	Gross fixed Assets			Provisions for depreciation			Net fixed Assets		
				At the beginning	Additions during the year	Adjust. & deductions	At the end of the year	Cumulative upto the year	Additions during the year	Adjust. during the year	Cumulative at the end	At the beginning
					38.50				44.13			
				2314.35	38.50	0.00	2352.85	1906.40	44.13	0.00	1950.52	407.95
	Total		1.89%									402.33

FY 2026-27												
S.No	Asset Group	A/c Code	Rate of Depreciation	Gross fixed Assets			Provisions for depreciation			Net fixed Assets		
				At the beginning of the year	Additions during the year	Adjust. & deductions	At the end of the year	Cumulative upto the beginning of the year	Additions during the year	Adjust. during the year	Cumulative at the end of the year	At the beginning of the year
					30.00				55.68			
				2352.85	30.00	0.00	2382.85	1950.52	55.68	0.00	2006.20	402.33
	Total		2.35%									376.65

TGCENCO
KTPS-V

Form-5: Interest and finance charges on loan

A. Normative Loan

S. No.	Particulars	Year (n-1) (FY 2022-23)			Current Year		Control Period			
		MYT/Tariff Order Approved	Apr-Mar Audited	True-Up requirement Claimed	MYT/Tariff Order Approved	Apr - Mar Provisional	FY 2024-25 Projected	FY 2025-26 Projected	FY 2026-27 Projected	FY 2027-28 Projected
1	Opening Balance of Gross Normative Loan	1588.92	1588.92	1588.92		1583.28	1593.40	1622.00	1650.95	1673.45
2	Cumulative Repayment till the year	1800.79	1800.79	1800.79		1835.38	1870.87	1906.40	1950.52	2006.20
3	Opening Balance of Net Normative Loan	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
4	Less: Reduction of Normative Loan due to retirement or replacement of assets									
5	Addition of Normative Loan due to capitalisation during the year		4.24	4.24		0.12	28.68	28.68	22.50	0.00
6	Repayment of Normative loan during the year	73.33	34.56	34.56	19.15	35.49	35.53	44.13	55.68	69.18
7	Closing Balance of Net Normative Loan	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
8	Closing Balance of Gross Normative Loan		1588.57	1588.57	19.15	1567.91	1586.55	1606.92	1617.77	1604.27
9	Average Balance of Net Normative Loan		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
10	Weighted Average Rate of Interest on actual Loans (%)	9.95%	9.95%	9.95%	9.95%	9.95%	9.95%	9.95%	9.95%	9.95%
11	Interest		0.00	0.00			0.00	0.00	0.00	0.00
12	Finance charges									
13	Total Interest & Finance charges	6.39	0.00	0.00	8.39	0.00	0.00	0.00	0.00	0.00

Note:

1 In case actual loan is more than 75%, the modification in the formula need to be done accordingly.

B. Actual loan portfolio

S. No.	Particulars	Year (n-1)		Current Year n		n+3		n+4		n+5	
		Apr-Mar Audited	Apr-Sep Actual	Oct-Mar Estimated	Apr - Mar Estimated	Projected	Projected	Projected	Projected	Projected	Projected
1	Loan 1										
	Opening Balance of Loan										
	Addition of Loan during the year										
	Loan Repayment during the year										
	Closing Balance of Loan	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Average Loan Balance	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Applicable Interest Rate (%)										
	Interest	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Finance charges										
2	Loan 2										
	Opening Balance of Loan										
	Addition of Loan during the year										
	Loan Repayment during the year										
	Closing Balance of Loan	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Average Loan Balance	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Applicable Interest Rate (%)										
	Interest	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Finance charges										
	Total Interest & Finance charges	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
										
	Total										
	Opening Balance of Loan	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Addition of Loan during the year	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Loan Repayment during the year	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Closing Balance of Loan	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Average Loan Balance	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Applicable Interest Rate (%)	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
	Interest	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Finance charges	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Total Interest & Finance charges	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

**TGGENCO
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Form-6: Interest on working capital

Particulars	FY 2022-23			FY 2023-24		Control Period					(Rs. Crore)	
	MYT/Tariff Order	Apr-Mar	True-Up requirement	MYT/Tariff Order	Apr - Mar	FY 2024-25	FY 2025-26	FY 2026-27	FY 2027-28	FY 2028-29	Projected	Projected
	Approved	Audited	Claimed	Approved	Provisional	Projected	Projected	Projected	Projected	Projected	Projected	Projected
Cost of coal, towards stock	90.98	86.01	86.01	102.50	99.06	76.96	78.50	80.07	81.67	83.30		
Cost of coal for generation	90.98	86.01	86.01	102.50	99.06	115.44	117.74	120.10	122.50	124.95		
Cost of secondary fuel oil	7.63	2.03	2.03	7.10	1.43	0.97	0.99	1.01	1.03	1.05		
O&M expenses	15.72	20.47	20.47	16.54	22.69	22.52	23.70	24.95	26.25	27.59		
Maintenance spares	37.72	49.13	49.13	39.31	54.46	22.76	23.14	23.53	23.83	23.83		
Receivables ¹	263.53	253.12	253.12	278.71	284.93	227.26	233.64	240.54	247.51	251.16		
Less:												
Payables for Fuels ²	94.74	87.01	87.01	106.00	99.77	116.39	118.72	121.09	123.51	125.98		
Total Working Capital requirement	411.82	409.76	409.76	440.66	461.87	349.52	359.00	369.09	379.27	385.90		
Interest rate	8.55%	9.44%	9.44%	8.55%	10.08%	10.15%	10.15%	10.15%	10.15%	10.15%		
Interest on working capital	30.27	38.67	38.67	30.55	46.56	35.48	36.44	37.46	38.50	39.17		

Note:

1 In case actual availability is less or more than normative value, the modification in the formula need to be done accordingly.

**TGGENCO
KTPS-V**

Form-7: Return on Equity

(Rs. Crore)

S. No.	Particulars	FY 2022-23			FY 2023-24		Control Period				
		MYT/Tariff Order	Apr-Mar	True-Up requirement	MYT/Tariff Order	Apr - Mar	FY 2024-25	FY 2025-26	FY 2026-27	FY 2027-28	FY 2028-29
		Approved	Audited	Claimed	Approved	Provisional	Projected	Projected	Projected	Projected	Projected
1	Regulatory Equity at the beginning of the year	680.96	680.964	680.964		682.78	405.24	407.95	402.33	376.65	307.47
2	Capitalisation during the year		6.06	6.06		0.17	38.24	38.50	30.00	0.00	0.50
3	Equity portion of capitalisation during the year	0.00	1.82	1.82	0.00	0.05	11.47	11.55	9.00	0.00	0.15
4	Reduction in Equity Capital on account of retirement / replacement of assets										
5	Regulatory Equity at the end of the year	680.96	682.78	682.78	0.00	682.83	416.71	419.50	411.33	376.65	307.62
6	Rate of Return on Equity	15.50%	15.50%	15.50%	15.50%	15.50%	15.50%	15.50%	15.50%	15.50%	15.50%
7	Effective Income Tax rate	17.47%	25.168%	25.168%	25.168%	25.168%	25.168%	25.168%	25.168%	25.168%	25.168%
8	Rate of Return on Equity	18.78%	20.71%	20.71%	20.71%	20.71%	20.71%	20.71%	20.71%	20.71%	20.71%
9	Return on Equity Computation										
	Return on Regulatory Equity at the beginning of the year	127.90	141.05	141.05	0.00	141.43	83.94	84.50	83.33	78.02	63.69
10	Return on Regulatory Equity addition during the year	0.00	0.19	0.19	0.00	0.01	1.19	1.20	0.93	0.00	0.02
11	Total Return on Equity	127.89	141.24	141.24	127.89	141.43	85.13	85.70	84.27	78.02	63.70

Note:

1 In case actual loan is more than 75%, the modification in the formula need to be done accordingly.

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Form-8: Non-Tariff Income

S. No.	Particulars	Year (n-1) (FY 2022-23)			FY 2023-24		Control Period					(Rs. Crore)
		MYT/Tariff Order	Apr-Mar	True-Up requirement	MYT/Tariff Order	Apr - Mar	FY 2024-25	FY 2025-26	FY 2026-27	FY 2027-28	FY 2028-29	
		Approved	Audited	Claimed	Approved	Provisional	Projected	Projected	Projected	Projected	Projected	
1	Income from rent of land or buildings		0.11	0.11		0.11	0.12	0.12	0.13	0.13	0.14	
2	Net income from sale of de-capitalised assets		0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	
3	Income from sale of scrap		1.79	1.79		2.11	1.79	1.86	1.93	2.01	2.09	
4	Income from statutory investments		0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	
5	Interest income on advances to contractors		0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	
6	Income from rental from staff quarters		0.01	0.01		0.01	0.01	0.01	0.01	0.01	0.01	
7	Income from rental from contractors		0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	
8	Income from hire charges from		0.01	0.01		0.05	0.01	0.01	0.01	0.01	0.01	
9	Income from sale of ash/rejected coal		18.24	18.24		10.36	10.77	11.21	11.65	12.12	12.60	
10	Income from advertisements		0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	
11	Income from sale of tender documents		0.04	0.04		0.03	0.04	0.04	0.04	0.04	0.04	
12	...		3.24	3.24		1.48	2.48	2.58	2.69	2.80	2.91	
	Total	0.00	23.44	23.44	0.00	14.15	15.22	15.83	16.46	17.12	17.80	

S. No.	Particulars	Units	Year (n-1) (FY 2022-23)			Current Year 'n' (FY 2023-24)		Control Period						Remarks			
			MYT/Tariff Order	Apr-Mar	True-Up requirement	MYT/Tariff Order	Apr - Mar	FY 2024-25	FY 2025-26	FY 2026-27	FY 2027-28	FY 2028-29					
			Approved	Audited	Claimed	Approved	Estimated	Projected	Projected	Projected	Projected	Projected					
1	Installed Capacity	MW	2 X 250	500	500	2 X 250											
	COD		01.10.1997 01.09.1998	01.10.1997 01.09.1998		01.10.1997 01.09.1998											
	Type of Thermal Generating Station		Non-pithead	Non-Pit		Non-pithead											
2	Availability																
2.1	Target Availability for full recovery of AFC	%	80	80	80	80	80	80	85	85	85	85	85	85			
2.2	Actual/Projected Availability	%		82.26	82.26		83.69		85	85	85	85	85	85			
3	Plant Load Factor (PLF)																
3.1	Target PLF for Incentive	%	80	80	80	80	80	80	85	85	85	85	85	85			
3.2	Actual/Projected PLF	%		81.1	81.1		79.42		85.05	85	85.05	85	85	85			
4	Gross Generation																
4.1	Scheduled Generation	MU	3173.63	3173.63	3173.63	3101.48	3101.48										
4.2	Actual/Projected Gross Generation	MU		3551.97	3551.97		3488.05		3725.4	3723	3725.4	3733.2	3726				
5	Auxiliary Consumption																
5.1	Normative Auxiliary Energy Consumption	%	9	9	9	9	9	9	9.3	9.3	9.3	9.3	9.3	9.3			
5.2	Actual/Projected Auxiliary Energy Consumption	%		10.65	10.65		11.083		9.3	9.3	9.3	9.3	9.3	9.3			
5.3	Actual/Projected Gross Auxiliary Energy Consumption	MU		378.33	378.33		386.57		346.46	346.24	346.46	347.19	346.52				
5.4	Net Generation	MU		3173.63	3173.63		3101.48		3378.94	3378.76	3378.94	3386.01	3379.48				
6	Gross Station Heat Rate																
6.1	Normative Gross Station Heat Rate	kcal/kWh	2500	2500	2500	2500	2500		2500	2500	2500	2500	2500	2500			
6.2	Actual/Projected Gross Station Heat Rate	kcal/kWh		2307.11	2307.11		2346.13		2500	2500	2500	2500	2500	2500			
7	Secondary Fuel Oil Consumption																
7.1	Normative Secondary Fuel Oil Consumption	ml/kWh	2	2	2	2	2	2	0.5	0.5	0.5	0.5	0.5	0.5			
7.2	Actual/Projected Secondary Fuel Oil Consumption	ml/kWh		0.523	0.523		0.394		0.5	0.5	0.5	0.5	0.5	0.5			
8	Transit Loss																
8.1	Normative Transit Loss	%		0.8	0.8		0.8		0.8	0.8	0.8	0.8	0.8	0.8			
8.2	Actual/Projected Transit Loss	%		0.8	0.8		0.8		0.8	0.8	0.8	0.8	0.8	0.8			

Form 11: Fuel Details for computation of Energy Charge Rate

S. No.	Particulars	Units	Year (n-1) (FY 2022-23)												Current Year 'n' (FY 2023-24)					
			Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
A	Opening Quantity																			
1	Operating quantity of coal	MT	68935	91255	62962	132240	286091	254107	216298	160653	172997	113894	136243	190392	180648	92053	35737	66000	188673	235546
2	Value of stock	Rs in Crs	24.62	31.52	21.94	48.43	104.80	92.41	78.00	59.58	63.79	42.81	54.00	74.29	69.24	35.85	14.50	28.82	78.34	95.84
B	Procurement																			
3	Quantity of coal supplied by the coal company	MT	272791	221584	289807	276956	176430	209312	194039	251175	202354	291288	294464	281472	154640	158875	273611	363052	299842	146729
4	Adjustment in coal quantity supplied by the coal company (-/+)	MT																		
5	Coal supplied by coal company (3+4)	MT	272791	221584	289807	276956	176430	209312	194039	251175	202354	291288	294464	281472	154640	158875	273611	363052	299842	146729
6	Normative transit and handling loss	MT	2182	1773	2318	2216	1411	1874	1552	2009	1619	2330	2356	2092	1237	1289	2189	2904	2399	1174
7	Net coal supplied	MT	270608	219811	287488	274741	175019	207637	192487	249166	200736	288958	292108	259380	163403	167406	271422	360147	287443	145556
C	Price																			
8	Amount charged by coal company	Rs in Crs	97.22	86.90	115.82	102.05	65.59	72.57	67.37	85.22	72.79	101.25	103.84	90.84	57.04	60.22	110.08	140.09	115.40	58.42
9	Adjustment in amount charged by the coal company	Rs in Crs	-11.13	-15.84	-16.54	-8.56	-7.86	-3.59	-1.27	0.57	-1.55	6.02	2.46	1.34	0.17	1.42	2.45	-0.44	-4.32	-3.74
10	Handling, sampling and such other similar charges	Rs in Crs	0.18	0.52	0.12	0.28	0.47	0.27	0.36	0.49	0.61	0.92	0.18	0.20	0.14	0.15	0.15	0.24	0.42	0.35
11	Total amount charged (8-9+10)	Rs in Crs	86.267	71.579	99.493	93.747	68.188	69.247	66.478	86.279	71.85	110.19	106.47	92.379	57.346	61.793	112.68	139.89	111.6	63.032
D	Transportation																			
12	Transportation charges																			
	By rail	Rs in Crs	8.40	6.30	6.91	6.91	4.68	4.86	4.58	6.25	4.82	6.67	6.68	5.92	3.51	3.60	6.92	8.23	7.96	3.33
	By road	Rs in Crs																		
	By ship	Rs in Crs																		
	Adjustment in amount charged by the coal transporter	Rs in Crs																		
13	Demurrage charges, if any	Rs in Crs																		
14	Cost of diesel in transporting coal through MGR system, if applicable	Rs in Crs																		
16	Total Transportation charges (12+13+14+15)	Rs in Crs	8.40	6.30	6.91	6.91	4.68	4.86	4.58	6.25	4.82	6.67	6.68	5.92	3.51	3.60	6.92	8.23	7.96	3.33
17	Total amount charged for coal supplied including transportation (11+16)	Rs in Crs	92.66	76.88	106.41	100.66	62.89	74.11	71.06	92.53	76.67	116.87	113.15	98.08	60.86	65.39	119.61	148.12	119.45	56.36
E	Total Cost																			
18	Landed cost of coal (2+17)/(1+7)	Rs/MT	3454	3484.7	3662.3	3663.2	3636.5	3606.2	3646.4	3687.3	3788.4	3963.5	3902.2	3832.8	3894.4	4068.4	4366.1	4152.1	4068.8	3993.6
19	Blending Ratio (Domestic/Imported)																			
20	Weighted average cost of coal for preceding three months	Rs/MT																		
F	Quality																			
21	GCV of Domestic Coal of the opening coal stock as per bill of Coal Company	kcal/kg																		
22	GCV of Domestic Coal supplied as per bill of Coal Company	kcal/kg																		
23	GCV of Imported Coal of the opening stock as per bill of Coal Company	kcal/kg																		
24	GCV of Imported Coal supplied as per bill of Coal Company	kcal/kg																		
25	Weighted average GCV of coal as Billed	kcal/kg	3307	3230	3272	2952	2923	3020	3136	3151	3215	3289	3325	3168	3121	3229	3176	2944	3085	3094
26	GCV of Domestic Coal of the opening stock as received at Station	kcal/kg																		
27	GCV of Domestic Coal supplied as received at Station	kcal/kg																		
28	GCV of Imported Coal of opening stock as received at Station	kcal/kg																		
29	GCV of Imported Coal of opening stock as received at Station	kcal/kg																		
30	Weighted average GCV of coal as Received	kcal/kg	3107	3050	3100	2762	2818	2796	2723	2810	2826	2935	2902	2755	2769	3014	2916	2798	2604	2820

Note:

- 1 Similar details to be furnished for secondary fuel oil for coal based thermal plants with appropriate units.
- 2 As billed and as received GCV, quantity of coal, and price should be submitted as certified by statutory auditor.
- 3 Details to be provided for each source separately. In case of more than one source, add additional column.
- 4 Break up of the amount charged by the Coal Company is to be provided separately.

Form 11: Fuel Details for computation of Energy Charge Rate

S. No.	Particulars	Units	Year (n-1) (FY 2022-23)												Current Year 'n' (FY 2023-24)											
			Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep						
A	Opening Quantity	KL	1951.7	2338.9	2784	2481.1	2186.8	2613.7	2478.7	2044.5	1884.7	1780.6	2722.2	2620.4	2530	2534.4	2214.4	2152.1	1939.1	1976.9						
1	Opening quantity of oil	KL	1951.7	2338.9	2784	2481.1	2186.8	2613.7	2478.7	2044.5	1884.7	1780.6	2722.2	2620.4	2530	2534.4	2214.4	2152.1	1939.1	1976.9						
2	Value of stock	Rs.in Crs	10.804	14.285	18.924	16.876	14.914	17.263	16.288	13.62	12.323	11.831	18.748	18.111	15.564	14.964	13.567	13.198	11.957	12.195						
B	Procurement	KL	594.81	921.97	0	0	1034	0	0	0	0	1089.2	0	0	0	0	98.709	0	504.31	372.49						
3	Quantity of oil supplied by the oil company	KL	594.81	921.97	0	0	1034	0	0	0	0	1089.2	0	0	0	0	98.709	0	504.31	372.49						
4	Adjustment in oil quantity supplied by the oil company	KL																								
5	oil supplied by oil company (3+4)	KL	594.81	921.97	0	0	1034	0	0	0	0	1089.2	0	0	0	0	98.709	0	504.31	372.49						
6	Normative transit and handling loss	KL																								
7	Net oil supplied	KL	594.81	921.97	0	0	1034	0	0	0	0	1089.2	0	0	0	0	98.709	0	504.31	372.49						
C	Price	Rs.in Crs	4.75	7.85	0.00	0.00	6.35	0.00	0.00	0.00	0.00	5.90	0.00	0.00	0.00	0.00	0.63	0.00	3.18	2.51						
8	Amount charged by oil company	Rs.in Crs	4.75	7.85	0.00	0.00	6.35	0.00	0.00	0.00	0.00	5.90	0.00	0.00	0.00	0.00	0.63	0.00	3.18	2.51						
9	Adjustment in amount charged by the oil company	Rs.in Crs																								
10	Handling, sampling and such other similar charges	Rs.in Crs																								
11	Total amount charged (8+9+10)	Rs.in Crs	4.75	7.85	0.00	0.00	6.35	0.00	0.00	0.00	0.00	5.90	0.00	0.00	0.00	0.00	0.63	0.00	3.18	2.51						
D	Transportation	Rs.in Crs																								
12	Transportation charges	Rs.in Crs																								
	By rail	Rs.in Crs																								
	By road	Rs.in Crs																								
	By ship	Rs.in Crs																								
13	Adjustment in amount charged by the oil transporter	Rs.in Crs																								
14	Demurrage charges, if any	Rs.in Crs																								
15	Cost of diesel in transporting oil through MGR system, if applicable	Rs.in Crs																								
16	Total Transportation charges (12+13+14+15)	Rs.in Crs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0						
17	Total amount charged for oil supplied including transportation (11+16)	Rs.in Crs	4.75	7.85	0.00	0.00	6.35	0.00	0.00	0.00	0.00	5.90	0.00	0.00	0.00	0.00	0.63	0.00	3.18	2.51						
E	Total Cost	Rs./KL	61077	67891	67973	68018	65871	66049	66114	66126	66084	61671	61523	61484	61517	61470	61358	61328	61566	62602						
18	Landed cost of oil (2+7+16+17)	Rs./KL	61077	67891	67973	68018	65871	66049	66114	66126	66084	61671	61523	61484	61517	61470	61358	61328	61566	62602						
19	Blending Ratio (Domestic/Imported)																									
20	Weighted average cost of oil for preceding three months	Rs./KL																								
F	Quality																									
21	GCV of Domestic oil of the opening oil stock as per bill	kcal/kg																								
22	GCV of Domestic oil supplied as per bill of oil company	kcal/kg																								
23	GCV of Imported oil of the opening stock as per bill of oil company	kcal/kg																								
24	GCV of Imported oil supplied as per bill of oil company	kcal/kg																								
25	Weighted average GCV of oil as Billed	kcal/kg																								
26	GCV of Domestic oil of the opening stock as received at Station	kcal/kg																								
27	GCV of Domestic oil supplied as received at Station	kcal/kg																								
28	GCV of Imported oil of opening stock as received at Station	kcal/kg																								
29	GCV of Imported oil of opening stock as received at Station	kcal/kg																								
30	Weighted average GCV of oil as Received	kcal/kg																								

Note:

- 1 Similar details to be furnished for secondary fuel oil for coal based thermal plants with appropriate units.
- 2 As billed and as received GCV, quantity of coal, and price should be submitted as certified by statutory auditor.
- 3 Details to be provided for each source separately. In case of more than one source, add additional column.
- 4 Break up of the amount charged by the Coal Company is to be provided separately.

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Form-12: Energy Charge Rate

Particulars	Legend	Units	(FY 2022-23)			Current Year 'n' (FY 2023-24)		Control Period				
			MYT/Tariff Order	Apr-Mar	True-Up require ment	MYT/Tariff Order	Apr - Mar	FY 2024-25	FY 2025-26	FY 2026-27	FY 2027-28	FY 2028-29
			Approv ed	Audited	Claimed	Approv ed	Actual	Project ed	Project ed	Project ed	Project ed	Project ed
Auxiliary Consumption	AUX	%	9	10.65	10.65	9.00	11.08	9.3	9.3	9.3	9.3	9.3
Gross Station Heat Rate	GSHR	kcal/kWh	2500	2307	2307	2500	2346	2500	2500	2500	2500	2500
Secondary Fuel oil consumption	SFC	ml/kWh	2	0.524	0.52	2.00	0.394	0.5	0.5	0.5	0.5	0.5
Calorific Value of Secondary Fuel	CVSF	kcal/ml	9819	9819	9819	9819	9819	9819	9819	9819	9819	9819
Landed Price of Secondary Fuel	LPSF	Rs./ml	0.07	0.07	0.07	0.06	0.06	0.06	0.06	0.06	0.07	0.07
Gross Calorific Value of Coal	CVPF	kcal/kg	2888	2888	2888	2907	2907.37	3005	3005	3005	3005	3005
Landed Price of Coal	LPPF	Rs./kg	3.70	3.70	3.70	4.29	4.29	4.54	4.63	4.73	4.82	4.92
Specific Coal Consumption		kg/kWh	0.86	0.80	0.80	0.85	0.81	0.83	0.83	0.83	0.83	0.83
Coal Cost/kwh		Rs/kwh	3.488	3.297	3.297	4.021	3.886	4.159	4.242	4.327	4.414	4.502
Oil Cost/kwh		Rs/kwh	0.144	0.038	0.038	0.137	0.028	0.034	0.035	0.036	0.036	0.037
ECR		Rs./kWh	3.632	3.336	3.336	4.158	3.914	4.194	4.277	4.363	4.450	4.539

* Energy Charges provisionally computed for next control period FY 2024-25 to FY 2028-29 based on actual weighted average cost of primary fuel and secondary fuel during January-24, February-24 and March-24 with 2% escalation year on year. However, actual energy charges shall be claimed as per TSERC regulation 2 of 2023.

FY 2022-23

Audited

Beneficiary	(MU)											
	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar
TSSPDCL (70.55%)	212.30	213.62	191.27	92.45	161.28	189.91	183.98	182.49	201.89	203.89	192.44	207.49
TSNPDCL (29.45%)	88.62	89.17	79.84	38.59	67.32	79.28	76.80	76.18	84.28	87.61	80.33	86.61
Total	300.92	302.79	271.12	131.04	228.60	269.19	260.77	258.67	286.17	297.50	272.77	294.10
												3173.54

FY 2023-24

Estimated

Beneficiary	(MU)											
	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar
TSSPDCL (70.55%)	181.70	174.76	190.08	183.35	178.03	186.45	189.37	184.75	183.39	185.73	169.85	180.63
TSNPDCL (29.45%)	75.85	72.95	79.34	76.64	74.32	77.83	79.05	77.12	76.55	77.83	70.90	75.40
Total	257.55	247.71	269.42	259.99	252.35	264.28	268.42	261.87	259.94	263.56	240.75	256.03
												3101.47

FY 2024-25

Projected

Beneficiary	(MU)											
	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar
TSSPDCL (70.55%)	215.39	222.57	103.66	111.42	208.74	215.39	222.57	215.39	222.57	222.57	201.03	222.57
TSNPDCL (29.45%)	89.91	92.91	43.27	46.51	87.14	89.91	92.91	89.91	92.91	92.91	83.92	92.91
Total	305.30	315.47	146.93	157.93	295.88	305.30	315.47	305.30	315.47	315.47	284.94	315.47
												3378.94

FY 2025-26

Projected

Beneficiary	(MU)											
	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar
TSSPDCL (70.55%)	195.81	202.33	195.81	202.33	202.33	195.81	202.33	195.81	202.33	202.33	192.75	202.33
TSNPDCL (29.45%)	81.74	84.46	81.74	84.46	84.46	81.74	84.46	81.74	84.46	84.46	76.29	84.46
Total	277.54	286.79	277.54	286.79	286.79	277.54	286.79	277.54	286.79	286.79	259.04	286.79
												3376.76

FY 2026-27

Projected

Beneficiary	(MU)											
	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar
TSSPDCL (70.55%)	215.39	222.57	103.66	111.42	208.74	215.39	222.57	215.39	222.57	222.57	201.03	222.57
TSNPDCL (29.45%)	89.91	92.91	43.27	46.51	87.14	89.91	92.91	89.91	92.91	92.91	83.92	92.91
Total	305.30	315.47	146.93	157.93	295.88	305.30	315.47	305.30	315.47	315.47	284.94	315.47
												3378.94

FY 2027-28

Projected

Beneficiary	(MU)											
	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar
TSSPDCL (70.55%)	195.81	202.33	195.81	202.33	202.33	195.81	202.33	195.81	202.33	202.33	189.28	202.33
TSNPDCL (29.45%)	81.74	84.46	81.74	84.46	84.46	81.74	84.46	81.74	84.46	84.46	79.01	84.46
Total	277.54	286.79	277.54	286.79	286.79	277.54	286.79	277.54	286.79	286.79	268.29	286.79
												3386.01

FY 2028-29

Projected

Beneficiary	(MU)											
	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar
TSSPDCL (70.55%)	207.32	214.23	103.66	175.68	214.23	207.32	214.23	207.32	214.23	214.23	193.50	214.23
TSNPDCL (29.45%)	86.54	89.43	43.27	75.00	89.43	86.54	89.43	86.54	88.43	89.43	80.77	89.43
Total	293.87	303.66	146.93	250.68	303.66	293.87	303.66	293.87	303.66	303.66	274.28	303.66
												3379.48

Previous Year (n-1) FY 2022-23
Audited

Audited	Beneficiary	Components of tariff			Relevant sales & load/demand data for revenue calculation			Full year revenue (Rs. Crore)					(Rs. Crore)
		Fixed / Capacity Charges (Rs. Crore / year)	Energy Charges (Rs./kWh)	Any Other Charges (specify part name and unit)	Fuel surcharge per unit, if any (Rs./kWh)	Sales in MU	Share of Capacity (MW/%)	Item 3 (specify)	Revenue from Fixed / Capacity Charges	Revenue from Energy Charges	Revenue from Any Other Charge (specify part name)	Revenue from Fuel Surcharge	
	Beneficiary 1												
	Beneficiary 2												
	Beneficiary 3												
	...												
	Total	0.00	0.00	0.00	0.00	0.00			0.00	0.00	0.00	0.00	0.00

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Form 15: Revenue Reconciliation

Previous Year (n-1) (FY 2022-23)

Audited

S. No.	Particulars	Units	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Total
1	Normative Availability (%)	%	80.00	80.00	80.00	80.00	80.00	80.00	80.00	80.00	80.00	80.00	80.00	80.00	80.00
2	Availability during the month (%)	%	93.84	92.88	83.44	39.09	70.98	85.64	83.08	81.05	89.08	92.48	89.56	87.27	82.26
3	Cumulative Availability (%)	%	93.84	93.35	90.08	77.13	75.88	77.48	78.29	78.63	79.81	81.09	81.80	82.27	
4	Target PLF for Incentive	%	80.00	80.00	80.00	80.00	80.00	80.00	80.00	80.00	80.00	80.00	80.00	80.00	80.00
5	Actual PLF during the month (%)	%	92.92	90.64	84.08	40.22	69.37	83.69	78.78	80.71	86.05	89.16	90.47	88.51	
6	Cumulative PLF (%)	%	92.92	91.76	89.23	76.78	75.28	76.65	76.96	77.42	78.40	79.49	80.41	81.10	
7	Gross Generation (MU)	MU	334.50	337.19	302.69	149.63	258.05	301.28	293.04	290.56	320.10	331.66	303.99	329.27	3551.97
8	Auxiliary Consumption (MU)	MU	33.58	34.39	31.57	18.59	29.45	32.09	32.27	31.89	33.93	34.16	31.22	35.17	378.33
9	Net Generation (MU)	MU	300.92	302.79	271.12	131.04	228.60	269.19	260.77	258.67	286.17	297.50	272.77	294.10	3173.64
10	Generation above target PLF (MU)	MU	12.92	5.19	-16.88	-166.56	-69.00	-18.81	-36.83	-29.33	-11.43	-0.10	3.97	-3.50	-330.36
11	Variable Charges Per Unit	Rs./kWh	2.668	2.668	2.668	2.668	2.668	2.668	2.668	2.668	2.668	2.668	2.668	2.668	2.668
12	Approved Fixed Charges	Rs. Crore	31.03	31.03	31.03	31.03	31.03	31.03	31.03	31.03	31.03	31.03	31.03	31.03	372.41
13	Fuel Surcharge	Rs./kWh	3.164	3.262	3.369	3.763	3.662	3.658	3.795	3.723	3.771	3.818	3.764	3.924	3.629
14	Fixed Charges During Month	Rs. Crore	31.03	31.03	31.03	26.58	27.50	33.16	32.26	31.43	34.62	31.70	31.03	31.03	372.41
15	Energy Charges Amount	Rs. Crore	80.29	80.78	72.33	34.96	60.99	71.82	69.57	69.01	76.35	79.37	72.77	78.47	846.73
16	Amount of Fuel Surcharge Adjustment	Rs. Crore	14.94	17.99	19.00	14.34	22.71	26.65	29.39	27.29	31.56	34.21	29.89	36.93	304.91
17	Incentive Amount	Rs. Crore													0.00
18	Revenue from sale of electricity	Rs. Crore	126.26	129.81	122.37	75.89	111.20	131.63	131.23	127.73	142.53	145.28	133.70	146.43	1524.05
19	Other recoveries/adjustments														
	Fuel (savings)/charge year end adjustment														-67.69
	Difference bill issued after MTR order														53.07
	Water Charges	Rs. Crore													1.76
20	Total Revenue	Rs. Crore	126.26	129.81	122.37	75.89	111.20	131.63	131.23	127.73	142.53	145.28	133.70	146.43	1511.19
21	Total Revenue as per Audited Accounts	Rs. Crore													

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Tariff Filing Formats - Generation
Checklist

S. No.	Form	Title	Tick
1	Form 1	Summary Sheet	✓
2	Form 2	Operation and Maintenance Expenses	✓
3	Form 2.1	Employee Expenses	✓
4	Form 2.2	Administration & General Expenses	✓
5	Form 2.3	Repair & Maintenance Expenses	✓
6	Form 3	Summary of Capital Expenditure and Capitalisation	✓
7	Form 3.1	Statement of Additional Capitalisation after COD	✓
8	Form 3.2	Financing of Additional Capitalisation	✓
9	Form 4	Fixed Assets & Depreciation	✓
10	Form 5	Interest and finance charges on loan	✓
11	Form 6	Interest on working capital	✓
12	Form 7	Return on Equity	✓
13	Form 8	Non-Tariff Income	✓
14	Form 9	Planned & Forced Outages	✓
15	Form 10	Operational parameters	✓
16	Form 11	Fuel Details for computation of Energy Charge Rate	✓
17	Form 12	Energy Charge Rate	✓
18	Form 13	Sales	✓
19	Form 14	Revenue from Sale of Electricity	✓
20	Form 15	Revenue Reconciliation	✓
21	Form 16	Summary of true-up	
		Capital Cost Approval*	
22	Form 17	Plant Characteristics (Thermal)	
23	Form 18	Plant Characteristics (Hydel)	
24	Form 19.1	Project Schedule	
25	Form 19.2	Abstract of Capital Cost	
26	Form 19.3	Breakup of Capital Cost	
27	Form 19.4	Breakup of Construction/Supply/Services/Packages	
28	Form 19.5	Financial Package	
29	Form 19.6	Details of Loans	
30	Form 19.7	Phasing of Expenditure, Debt and Equity upto COD	
31	Form 19.8	Interest During Construction and Finance Charges upto COD	

Note: * Applicable only for new Generating Station/Unit for which Provisional/Final tariff approval is being sought

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Summary Sheet

Form - 1 :

S. No.	Particulars	Units	Reference	FY 2022-23		FY 2023-24		Control Period						Remarks
				MYT/Tariff Order Approved	April-March Audited	True-Up requirement Claimed	MYT/Tariff Order Approved	April - March Provisional	FY 2024-25 Projected	FY 2025-26 Projected	FY 2026-27 Projected	FY 2027-28 Projected	FY 2028-29 Projected	
A	Annual Fixed Charges													
1	Operation & Maintenance Expenses	Rs. Crore	Form 2	189.22	245.64	245.64	194.84	272.29	269.11	282.75	297.14	312.36	328.46	
2	Depreciation	Rs. Crore	Form 4	128.12	126.12	126.12	130.58	128.12	22.30	22.50	22.50	22.50	22.50	
3	Interest and finance charges on loan	Rs. Crore	Form 5	1.34	1.31	1.31	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
4	Interest on Working Capital	Rs. Crore	Form 6	32.01	41.91	41.91	33.09	45.87	34.60	35.39	36.18	37.06	37.86	
5	Return on Equity	Rs. Crore	Form 7	139.36	153.69	153.69	139.36	153.68	153.76	153.83	153.83	153.83	154.19	
6	Less: Non-Tariff Income	Rs. Crore	Form 8		19.39	19.39		8.09	8.53	8.87	9.23	9.59	9.98	
7	Annual Fixed Charges	Rs. Crore		491.05	549.28	549.28	497.87	589.87	471.24	485.60	500.42	516.16	533.03	
B	Energy Charges													
1	Energy Charge Rate	Rs./kWh	Form 12	3.87	3.25	3.25	3.97	3.52	3.74	3.82	3.90	3.97	4.05	
2	Scheduled Energy (ex-bus)	MU	Form 10	3462.07	3462.07	3462.07	3174.03	3174.03	3527.54	3530.38	3527.54	3540.28	3527.54	
3	Energy Charges	Rs. Crore		1271.83	1123.76	1123.76	1259.86	1118.08	1320.78	1348.28	1374.14	1406.68	1429.55	
C	AFC +Energy Charges	Rs. Crore		1762.88	1673.04	1673.04	1757.74	1707.95	1792.02	1833.88	1874.56	1922.85	1962.68	

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Form 2: Operation and Maintenance Expenses

A. For Existing Generating Stations

S. No.	Particulars	Reference	FY 2022-23			FY 2023-24		Control Period						(Rs. Crore)
			MYT/Tariff Order	Apr-Mar	True-Up requirement	MYT/Tariff Order	Apr - Mar	FY 2024-25	FY 2025-26	FY 2026-27	FY 2027-28	FY 2028-29		
			Approved	Audited	Claimed	Approved	Estimated							
1	Employee Expenses	Form 2.1	142.91	208.43	208.43	148.66	229.23	220.94	233.75	247.31	261.65	276.83	276.83	
2	A&G Expenses	Form 2.2	11.81	12.46	12.46	36.08	14.82	16.27	17.07	17.90	18.78	19.70	19.70	
3	R & M Expenses	Form 2.3	36.41	24.75	24.75	12.07	28.24	31.50	31.93	31.93	31.93	31.93	31.93	
4	Total O&M Expenses		189.22	245.64	245.64	194.84	272.29	269.11	282.75	297.14	312.36	328.48	328.48	

Note:

- 1 The projections for the Control Period to be supported by detailed computations

Form-2.1: Employee Expenses

S. No.	Particulars	FY 2019-20	FY 2020-21	FY 2021-22	FY 2022-23	FY 2023-24	Control Period						FY 2028-29
		Apr-Mar	Apr-Mar	Apr-Mar	Apr-Mar	Apr - Mar	FY 2024-25	FY 2025-26	FY 2026-27	FY 2027-28			
		Audited	Audited	Audited	Audited	Estimated	Projected	Projected	Projected	Projected			
1	Basic Salary				112.13	121.23							
2	Dearness Allowance (DA)				3.71	10.29							
3	House Rent Allowance				8.84	9.13							
4	Conveyance Allowance				1.25	1.23							
5	Leave Travel Allowance				0.00	0.00							
6	Earned Leave Encashment				19.88	19.88							
7	Other Allowances				28.88	21.13							
8	Medical Reimbursement				2.83	0.75							
9	Overtime Payment				0.00	-							
10	Bonus/Ex-Gratia Payments				0.00	-							
11	Interim Relief / Wage Revision				0.00	0.00							
12	Staff welfare expenses				2.55	2.30							
13	VRS Expenses/Retrenchment Compensation				0.00	-							
14	Commission to Directors				0.00	-							
15	Training Expenses				0.00	-							
16	Payment under Workmen's Compensation Act				0.14	-							
17	Net Employee Costs				180.33	185.94							
18	Terminal Benefits				0.00	-							
18.1	Provident Fund Contribution				11.51	12.55							
18.2	Provision for PF Fund				0.00	0.00							
18.3	Pension Payments				0.00	-							
18.4	Gratuity Payment				16.59	30.73							
18	Unfunded past liabilities of pension & gratuity				0.00	-							
20	Others				0.00	-							
21	Gross Employee Expenses	0.00	0.00	0.00	208.43	232.23							
22	Less: Expenses Capitalised				0.00	-							
23	Net Employee Expenses	144.01	181.16	169.95	208.43	225.23	220.94	233.75	247.31	261.65	276.83	276.83	

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For n-2.1: Employee Expenses

S.No.	Particulars	FY 2019-20		FY 2020-21		FY 2021-22		FY 2022-23		FY 2023-24		Control Period						(Rs. Crore)	
		Apr-Mar Audited		Apr-Mar Audited		Apr-Mar Audited		Apr-Mar Audited		Apr - Mar Estimated		FY 2024-25 Projected	FY 2025-26 Projected	FY 2026-27 Projected	FY 2027-28 Projected	FY 2028-29 Projected			
1	Basic Salary							112.13		121.23									
2	Dearness Allowance (DA)							3.71		10.29									
3	House Rent Allowance							8.84		9.13									
4	Conveyance Allowance							1.25		1.23									
5	Leave Travel Allowance							0.00		0.00									
6	Earned Leave Encashment							19.88		19.88									
7	Other Allowances							28.88		21.13									
8	Medical Reimbursement							2.83		0.75									
9	Overtime Payment							0.00		-									
10	Bonus/Ex-Gratia Payments							0.00		-									
11	Interim Relief / Wage Revision							0.00		0.00									
12	Staff welfare expenses							2.65		2.30									
13	VRS Expenses/Retrenchment Compensation							0.00		-									
14	Commission to Directors							0.00		-									
15	Training Expenses							0.00		-									
16	Payment under Workmen's Compensation Act							0.14		-									
17	Net Employee Costs							180.33		185.94									
18	Terminal Benefits							0.00		-									
18.1	Provident Fund Contribution							11.51		12.55									
18.2	Provision for PF Fund							0.00		-									
18.3	Pension Payments							0.00		-									
18.4	Gratuity Payment							16.59		30.73									
19	Unfunded past liabilities of pension & gratuity							0.00		-									
20	Others							0.00		-									
21	Gross Employee Expenses		0.00		0.00		0.00	208.43		229.23		220.94	233.75	247.31	261.65	276.83			
22	Less: Expenses Capitalised							0.00											
23	Net Employee Expenses		144.01		181.16		169.95	208.43		229.23		220.94	233.75	247.31	261.65	276.83			

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Form 2.3: Repair & Maintenance Expenses

S. No.	Particulars	FY 2019-20		FY 2020-21		FY 2021-22		FY 2022-23		FY 2023-24		Control Period				(Rs. Crore)					
		Apr-Mar		Apr-Mar		Apr-Mar		Apr-Mar		Apr - Mar		FY 2024-25		FY 2025-26		FY 2026-27		FY 2027-28		FY 2028-29	
		Audited		Audited		Audited		Audited		Estimated		Projected		Projected		Projected		Projected		Projected	
1	Plant & Machinery	20.86		17.21		34.37		20.39		23.91											
2	Buildings	0.00		0.00		0.00		0.00		-											
3	Civil Works	4.00		1.95		3.58		3.18		3.23											
4	Hydraulic Works	0.00		0.00		0.00		0.00		-											
5	Lines & Cable Networks	0.85		0.90		1.23		0.94		0.83											
6	Vehicles	0.03		0.01		0.02		0.02		0.02											
7	Furniture & Fixtures	0.00		0.00		0.00		0.00		-											
8	Office Equipment	0.12		0.32		0.38		0.22		0.25		31.90		31.93		31.93		31.93		31.93	
9	Gross R&M Expenses	25.86		20.39		39.59		24.75		28.24		31.90		31.93		31.93		31.93		31.93	
10	Gross Fixed Assets at beginning of year	2149.48		252.84		2188.93		2473.36		2473.23		2473.23		2475.57		2475.57		2475.57		2475.57	
11	R&M Expenses as % of GFA at beginning of year	1.20%		0.95%		1.81%		1.00%		1.14%		1.29%		1.29%		1.29%		1.29%		1.29%	

2. KTPS-VI

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Form 3: Summary of Capital Expenditure and Capitalisation

S. No.	Particulars	FY 2022-23			FY 2023-24		Control Period					(Rs. Crore)
		MYT/Tariff Order	Apr-Mar	True-Up requirement	MYT/Tariff Order	Apr - Mar	FY 2024-25	FY 2025-26	FY 2026-27	FY 2027-28		
		Approved	Audited	Claimed	Approved	Estimated	Projected	Projected	Projected	Projected		
1	Opening Capital Works in Progress					0.00	0.00	0.00	0.00	0.00	Projected	Projected
2	Capital Expenditure during the year		-0.13	-0.13		0.00	2.34	0.00	0.00	0.00	0.00	11.57
3	Capitalisation during the year		-0.13	-0.13		0.00	2.34	0.00	0.00	0.00	0.00	11.57
4	Closing Capital Works in Progress	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Form 3.1: Statement of Additional Capitalisation after COD

S. No.	FY	Name of the package (BTG, BOP, Civil Works etc.)	Name of the work	Total estimated cost* (Rs. Crore)	Capital expenditure during the year (Rs. Crore)	Capitalisation during the year (Rs. Crore)	Asset group under which the capitalisation has been accounted (Land, Buildings, etc.)	Scope of work	Relevant Clause of the TSERC MYT Regulation, 2023 under which the capitalisation has been claimed	Justification
1	Year (n-1)	Year (2022-23)								
2	Year (n)	Year (2023-24)								
1	BUILDINGS				-0.23	-0.23	BUILDINGS			
2	CWIP PLANT AND MACHINERY				0.10	0.10	PLANT AND MACHINERY			
	Total			0.00	-0.13	-0.13				
	Current Year 'n'	2023-24								
	Total			0.00	0.00	0.00				
1	Year (n+1)	2024-25								
2	Year (n+2)	2025-26								
1	Year (n+3)	2026-27								
2	Year (n+4)	2027-28								
3	Year (n+5)	2028-29								
1	Year (n+6)	2029-30								
2	Year (n+7)	2030-31								
3	Year (n+8)	2031-32								
1	Year (n+9)	2032-33								
2	Year (n+10)	2033-34								
3	Year (n+11)	2034-35								
1	Year (n+12)	2035-36								
2	Year (n+13)	2036-37								
3	Year (n+14)	2037-38								
1	Year (n+15)	2038-39								
2	Year (n+16)	2039-40								
3	Year (n+17)	2040-41								
1	Year (n+18)	2041-42								
2	Year (n+19)	2042-43								
3	Year (n+20)	2043-44								
1	Year (n+21)	2044-45								
2	Year (n+22)	2045-46								
3	Year (n+23)	2046-47								
1	Year (n+24)	2047-48								
2	Year (n+25)	2048-49								
3	Year (n+26)	2049-50								
1	Year (n+27)	2050-51								
2	Year (n+28)	2051-52								
3	Year (n+29)	2052-53								
1	Year (n+30)	2053-54								
2	Year (n+31)	2054-55								
3	Year (n+32)	2055-56								
1	Year (n+33)	2056-57								
2	Year (n+34)	2057-58								
3	Year (n+35)	2058-59								
1	Year (n+36)	2059-60								
2	Year (n+37)	2060-61								
3	Year (n+38)	2061-62								
1	Year (n+39)	2062-63								
2	Year (n+40)	2063-64								
3	Year (n+41)	2064-65								
1	Year (n+42)	2065-66								
2	Year (n+43)	2066-67								
3	Year (n+44)	2067-68								
1	Year (n+45)	2068-69								
2	Year (n+46)	2069-70								
3	Year (n+47)	2070-71								
1	Year (n+48)	2071-72								
2	Year (n+49)	2072-73								
3	Year (n+50)	2073-74								
1	Year (n+51)	2074-75								
2	Year (n+52)	2075-76								
3	Year (n+53)	2076-77								
1	Year (n+54)	2077-78								
2	Year (n+55)	2078-79								
3	Year (n+56)	2079-80								
1	Year (n+57)	2080-81								
2	Year (n+58)	2081-82								
3	Year (n+59)	2082-83								
1	Year (n+60)	2083-84								
2	Year (n+61)	2084-85								
3	Year (n+62)	2085-86								
1	Year (n+63)	2086-87								
2	Year (n+64)	2087-88								
3	Year (n+65)	2088-89								
1	Year (n+66)	2089-90								
2	Year (n+67)	2090-91								
3	Year (n+68)	2091-92								
1	Year (n+69)	2092-93								
2	Year (n+70)	2093-94								
3	Year (n+71)	2094-95								
1	Year (n+72)	2095-96								
2	Year (n+73)	2096-97								
3	Year (n+74)	2097-98								
1	Year (n+75)	2098-99								
2	Year (n+76)	2099-00								
3	Year (n+77)	2100-01								
1	Year (n+78)	2101-02								
2	Year (n+79)	2102-03								
3	Year (n+80)	2103-04								
1	Year (n+81)	2104-05								
2	Year (n+82)	2105-06								
3	Year (n+83)	2106-07								
1	Year (n+84)	2107-08								
2	Year (n+85)	2108-09								
3	Year (n+86)	2109-10								
1	Year (n+87)	2110-11								
2	Year (n+88)	2111-12								
3	Year (n+89)	2112-13								
1	Year (n+90)	2113-14								
2	Year (n+91)	2114-15								
3	Year (n+92)	2115-16								
1	Year (n+93)	2116-17								
2	Year (n+94)	2117-18								
3	Year (n+95)	2118-19								
1	Year (n+96)	2119-20								
2	Year (n+97)	2120-21								
3	Year (n+98)	2121-22								
1	Year (n+99)	2122-23								
2	Year (n+100)	2123-24								
3	Year (n+101)	2124-25								
1	Year (n+102)	2125-26								
2	Year (n+103)	2126-27								
3	Year (n+104)	2127-28								
1	Year (n+105)	2128-29								
2	Year (n+106)	2129-30								
3	Year (n+107)	2130-31								
1	Year (n+108)	2131-32								
2	Year (n+109)	2132-33								
3	Year (n+110)	2133-34								
1	Year (n+111)	2134-35								
2	Year (n+112)	2135-36								
3	Year (n+113)	2136-37								
1	Year (n+114)	2137-38								
2	Year (n+115)	2138-39								
3	Year (n+116)	2139-40								
1	Year (n+117)	2140-41								
2	Year (n+118)	2141-42								
3	Year (n+119)	2142-43								
1	Year (n+120)	2143-44								
2	Year (n+121)	2144-45								
3	Year (n+122)	2145-46								
1	Year (n+123)	2146-47								
2	Year (n+124)	2147-48								
3	Year (n+125)	2148-49								
1	Year (n+126)	2149-50								
2	Year (n+127)	2150-51								
3	Year (n+128)	2151-52								
1	Year (n+129)	2152-53								
2	Year (n+130)	2153-54								
3	Year (n+131)	2154-55								
1	Year (n+132)	2155-56								
2	Year (n+133)	2156-57								
3	Year (n+134)	2157-58								
1	Year (n+135)	2158-59								
2	Year (n+136)	2159-60								
3	Year (n+137)	2160-61								
1	Year (n+138)	2161-62								
2	Year (n+139)	2162-63								
3	Year (n+140)	2163-64								
1	Year (n+141)	2164-65								
2	Year (n+142)	2165-66								
3	Year (n+143)	2166-67								
1	Year (n+144)	2167-68								
2	Year (n+145)	2168-69								
3	Year (n+146)	2169-70								
1	Year (n+147)	2170-71								
2	Year (n+148)	2171-72								
3	Year (n+149)	2172-73								
1	Year (n+150)	2173-74								
2	Year (n+151)	2174-75								
3	Year (n+152)	2175-76								
1	Year (n+153)	2176-77								
2	Year (n+154)	2177-78								
3	Year (n+155)	2178-79								
1	Year (n+156)	2179-80								
2	Year (n+157)	2180-81								
3	Year (n+158)	2181-82								
1	Year (n+159)	2182-83								
2	Year (n+160)	2183-84								
3	Year (n+161)	2184-85								
1	Year (n+162)	2185-86								
2	Year (n+163)	2186-87								
3	Year (n+164)	2187-88								
1	Year (n+165)	2188-89								
2	Year (n+166)	2189-90								
3	Year (n+167)	2190-91								
1	Year (n+168)	2191-92								
2	Year (n+169)	2192-93								
3	Year (n+170)	2193-94								
1	Year (n+171)	2194-95								
2	Year (n+172)	2195-96								
3	Year (n+173)	2196-97		</						

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Form 3.2: Financing of Additional Capitalisation

S. No.	Particulars	FY 2022-23 Actual	FY 2023-24 Estimated	Control Period				
				FY 2024-25 Projected	FY 2025-26 Projected	FY 2026-27 Projected	FY 2027-28 Projected	FY 2028-29 Projected
1	Additional capitalisation	-0.13	0.00	2.34	0.00	0.00	0.00	11.57
2	Financing Details							
	Loan 1	-0.09	0.00	1.64	0.00	0.00	0.00	8.10
	Loan 2							
	...							
	Total Loan	-0.09	0.00	1.64	0.00	0.00	0.00	8.10
3	Equity	-0.04	0.00	0.70	0.00	0.00	0.00	3.47
4	Internal Resources							
5	Others (Please Specify)							
6	Total (2+3+4+5)	-0.13	0.00	2.34	0.00	0.00	0.00	11.57

Form 4: Fixed Assets & Depreciation

(Rs. Crore)

FY 2022-23													(Rs. Crore)
S.No.	Asset Group	A/c Code	Rate of Depreciation	Gross fixed Assets				Provisions for depreciation				Net fixed Assets	
				At the beginning of the year	Additions during the year	Adjust. & deductions	At the end of the year	Cumulative upto the beginning of the year	Additions during the year	Adjust. during the year	Cumulative at the end of the year	At the beginning of the year	At the end of the year
1	Land & Land Rights	1000	0.00%	0.00	0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00
2	Buildings	1100	3.34%	190.78	-0.23	0.00	190.55	116.57	6.37		122.94	74.21	67.61
3	Lines and Cable Net	1200	5.28%	0.00	0.00	0.00	0.00	0.00	0.00		0.00	0.00	0.00
4	Plant & Machinery	1300	5.28%	2043.01	0.10	0.00	2043.11	1445.17	107.87		1553.06	597.82	490.04
5	Capital Spares	1400	5.28%	15.86	0.00	0.00	15.86	2.45	0.84		3.28	13.42	12.58
6	Hydraulic Works	1500	5.28%	178.79	0.00	0.00	178.79	129.88	9.44		139.32	48.92	39.48
7	Other Civil Works	1600	3.34%	43.50	0.00	0.00	43.50	10.83	1.45		12.28	32.67	31.22
8	Vehicles	1700	9.50%	0.00	0.00	0.00	0.00	0.00	0.00		0.00	0.00	0.00
9	Furniture & Fixtures	1800	6.33%	0.62	0.00	0.00	0.62	0.54	0.04		0.57	0.09	0.05
10	Computers	1900	15.00%	0.70	0.00	0.00	0.70	0.48	0.10		0.59	0.21	0.11
11	Office Equipment	2100	6.33%	0.11	0.00	0.00	0.11	0.09	0.01		0.09	0.02	0.01
	Intangible Assets	2200	15.00%		0.00	0.00	0.00	0.02	0.00				0.00
	Total		5.10%	2473.36	-0.13	0.00	2473.23	1706.01	126.12	0.00	1832.13	767.36	641.10
			5.10%	2473.36	-0.13	0.00	2473.23	1706.01	126.12	0.00	1832.13	767.36	641.10

FY 2023-24													
S.No.	Asset Group	A/c Code	Rate of Depreciation	Gross fixed Assets			Provisions for depreciation				Net fixed Assets		
				At the beginning of the year	Additions during the year	Adjust. & deductions	At the end of the year	Cumulative upto the beginning of the year	Additions during the year	Adjust. during the year	Cumulative at the end of the year	At the beginning of the year	At the end of the year
1	Land & Land Rights	1000	0.00%	0.00			0.00	0.00		0.00	0.00	0.00	0.00
2	Buildings	1100	3.34%	190.55			190.55	122.94	6.36		129.30	67.61	61.25
3	Lines and Cable Net	1200	5.28%	0.00			0.00	0.00	0.00		0.00	0.00	0.00
4	Plant & Machinery	1300	5.28%	2043.10			2043.10	1553.06	107.88		1660.94	490.04	382.16
5	Capital Spares	1400	5.28%	15.86			15.86	3.28	0.84		4.12	12.58	11.74
6	Hydraulic Works	1500	5.28%	178.79			178.79	139.32	9.44		148.76	39.48	30.04
7	Other Civil Works	1600	3.34%	43.50			43.50	12.28	1.45		13.73	31.22	29.77
8	Vehicles	1700	9.50%	0.00			0.00	0.00	0.00		0.00	0.00	0.00
9	Furniture& Fixtures	1800	6.33%	0.62			0.62	0.57	0.04		0.61	0.05	0.01
10	Computers	1900	15.00%	0.70			0.70	0.59	0.10		0.69	0.11	0.00
11	Office Equipment	2100	6.33%	0.11			0.11	0.09	0.01		0.10	0.01	0.01
	Intangible Assets	2200	0.00%	0.00				0.00					
				2473.23	0.00	0.00	2473.23	1832.13	126.12	0.00	1958.25	641.10	514.98
	Total		5.10%	2473.23	0.00	0.00	2473.23	1832.13	126.12	0.00	1958.25	641.10	514.98

FY 2024-25													
S.No.	Asset Group	A/c Code	Rate of Depreciation	Gross fixed Assets			Provisions for depreciation					Net fixed Assets	
				At the beginning of the year	Additions during the year	Adjust. & deductions	At the end of the year	Cumulative upto the beginning of the year	Additions during the year	Adjust. during the year	Cumulative at the end of the year	At the beginning of the year	At the end of the year
1	Land & Land Rights	1000	0.00%	0.00			0.00	0.00			0.00	0.00	0.00
2	Buildings	1100	3.34%	190.55			190.55	129.30			129.30	61.25	61.25
3	Lines and Cable Net	1200	5.28%	0.00			0.00	0.00			0.00	0.00	0.00
4	Plant & Machinery	1300	5.28%	2043.10			2043.10	1650.94	22.30		1683.24	382.16	359.86
5	Capital Spares	1400	5.28%	15.86			15.86	4.12			4.12	11.74	11.74
6	Hydraulic Works	1500	5.28%	178.79			178.79	148.76			148.76	30.04	30.04
7	Other Civil Works	1600	3.34%	43.50			43.50	13.73			13.73	29.77	29.77
8	Vehicles	1700	9.50%	0.00			0.00	0.00			0.00	0.00	0.00
9	Furniture & Fixtures	1800	6.33%	0.62			0.62	0.61			0.61	0.01	0.01
10	Computers	1900	15.00%	0.70			0.70	0.69			0.69	0.00	0.00
11	Office Equipment	2100	6.33%	0.11	2.34		2.45	0.10			0.10	0.01	2.35
	Intangible Assets	2200	0.00%	0.00			0.00	0.00			0.00	0.00	0.00
	Total		0.90%	2473.23	2.34	0.00	2475.57	1958.25	22.30	0.00	1980.55	514.98	495.01

FY 2025-26													
S.No.	Asset Group	A/c Code	Rate of Depreciation	Gross fixed Assets			Provisions for depreciation				Net fixed Assets		
				At the beginning of the year	Additions during the year	Adjust. & deductions	At the end of the year	Cumulative upto the beginning of the year	Additions during the year	Adjust. during the year	Cumulative at the end of the year	At the beginning of the year	At the end of the year
1	Land & Land Rights	1000	0.00%	0.00			0.00	0.00			0.00	0.00	0.00
2	Buildings	1100	3.34%	190.55			190.55	129.30			129.30	61.25	61.25
3	Lines and Cable Net	1200	5.28%	0.00			0.00	0.00			0.00	0.00	0.00
4	Plant & Machinery	1300	5.28%	2043.10			2043.10	1583.24	22.50		1705.74	359.86	337.36
5	Capital Spares	1400	5.28%	15.86			15.86	4.12			4.12	11.74	11.74
6	Hydraulic Works	1500	5.28%	178.79			178.79	148.76			148.76	30.04	30.04
7	Other Civil Works	1600	3.34%	43.50			43.50	13.73			13.73	29.77	29.77
8	Vehicles	1700	9.50%	0.00			0.00	0.00			0.00	0.00	0.00
9	Furniture & Fixtures	1800	6.33%	0.62			0.62	0.61			0.61	0.01	0.01
10	Computers	1900	15.00%	0.70			0.70	0.69			0.69	0.00	0.00
11	Office Equipment	2100	6.33%	2.45			2.45	0.10			0.10	2.35	2.35
	Intangible Assets	2200	0.00%	0.00			0.00	0.00			0.00	0.00	0.00
	Total		0.91%	2475.57	0.00	0.00	2475.57	1980.55	22.50	0.00	2003.05	495.01	472.52

FY 2026-27												
S.No.	Asset Group	A/c Code	Rate of Depreciation	Gross fixed Assets			Provisions for depreciation			Net fixed Assets		
				At the beginning of the year	Additions during the year	Adjust. & deductions	At the end of the year	Cumulative upto the beginning of the year	Additions during the year	Adjust. during the year	Cumulative at the end of the year	At the beginning of the year
1	Land & Land Rights	1000	0.00%	0.00			0.00	0.00		0.00	0.00	0.00
2	Buildings	1100	3.34%	190.55			190.55	129.30		129.30	61.25	61.25
3	Lines and Cable Net	1200	5.28%	0.00			0.00	0.00		0.00	0.00	0.00
4	Plant & Machinery	1300	5.28%	2043.10			2043.10	1705.74	22.50	1728.24	337.36	314.87
5	Capital Spares	1400	5.28%	15.86			15.86	4.12		4.12	11.74	11.74
6	Hydraulic Works	1500	5.28%	178.79			178.79	148.76		148.76	30.04	30.04
7	Other Civil Works	1600	3.34%	43.50			43.50	13.73		13.73	29.77	29.77
8	Vehicles	1700	9.50%	0.00			0.00	0.00		0.00	0.00	0.00
9	Furniture & Fixtures	1800	6.33%	0.62			0.62	0.61		0.61	0.01	0.01
10	Computers	1900	15.00%	0.70			0.70	0.69		0.69	0.00	0.00
11	Office Equipment	2100	6.33%	2.45			2.45	0.10		0.10	2.35	2.35
	Intangible Assets	2200	0.00%	0.00			0.00	0.00		0.00	0.00	0.00
	Total		0.91%	2475.57	0.00	0.00	2475.57	2003.05	22.50	2025.55	472.52	450.02

FY 2027-28												
S.No.	Asset Group	A/c Code	Rate of Depreciation	Gross fixed Assets			Provisions for depreciation				Net fixed Assets	
				At the beginning of the year	Additions during the year	Adjust. & deductions	At the end of the year	Cumulative upto the beginning of the year	Additions during the year	Cumulative at the end of the year	At the beginning of the year	At the end of the year
1	Land & Land Rights	1000	0.00%	0.00			0.00	0.00		0.00	0.00	0.00
2	Buildings	1100	3.34%	190.55			190.55	129.30		129.30	61.25	61.25
3	Lines and Cable Net	1200	5.28%	0.00			0.00	0.00		0.00	0.00	0.00
4	Plant & Machinery	1300	5.28%	2043.10			2043.10	1728.24	22.50	1750.73	314.87	292.37
5	Capital Spares	1400	5.28%	15.86			15.86	4.12		4.12	11.74	11.74
6	Hydraulic Works	1500	5.28%	178.79			178.79	148.76		148.76	30.04	30.04
7	Other Civil Works	1600	3.34%	43.50			43.50	13.73		13.73	29.77	29.77
8	Vehicles	1700	9.50%	0.00			0.00	0.00		0.00	0.00	0.00
9	Furniture& Fixtures	1800	6.33%	0.62			0.62	0.61		0.61	0.01	0.01
10	Computers	1900	15.00%	0.70			0.70	0.69		0.69	0.00	0.00
11	Office Equipment	2100	6.33%	2.45			2.45	0.10		0.10	2.35	2.35
	Intangible Assets	2200	0.00%	0.00			0.00	0.00		0.00	0.00	0.00
	Total		0.91%	2475.57	0.00	0.00	2475.57	2025.55	22.50	2048.05	450.02	427.52

FY 2028-29													
S.No.	Asset Group	A/c Code	Rate of Depreciation	Gross fixed Assets			Provisions for depreciation				Net fixed Assets		
				At the beginning of the year	Additions during the year	Adjust. & deductions	At the end of the year	Cumulative upto the beginning of the year	Additions during the year	Adjust. during the year	Cumulative at the end of the year	At the beginning of the year	At the end of the year
1	Land & Land Rights	1000	0.00%	0.00			0.00	0.00			0.00	0.00	0.00
2	Buildings	1100	3.34%	190.55			190.55	129.30			129.30	61.25	61.25
3	Lines and Cable Net	1200	5.28%	0.00			0.00	0.00			0.00	0.00	0.00
4	Plant & Machinery	1300	5.28%	2043.10			2043.10	1750.73	22.50		1773.23	292.37	269.87
5	Capital Spares	1400	5.28%	15.86			15.86	4.12			4.12	11.74	11.74
6	Hydraulic Works	1500	5.28%	178.79			178.79	148.76			148.76	30.04	30.04
7	Other Civil Works	1600	3.34%	43.50			43.50	13.73			13.73	29.77	29.77
8	Vehicles	1700	9.50%	0.00			0.00	0.00			0.00	0.00	0.00
9	Furniture & Fixtures	1800	6.33%	0.62			0.62	0.61			0.61	0.01	0.01
10	Computers	1900	15.00%	0.70			0.70	0.69			0.69	0.00	0.00
11	Office Equipment	2100	6.33%	2.45			2.45	0.10			0.10	2.35	2.35
	Intangible Assets	2200	0.00%	0.00			0.00	0.00			0.00	0.00	0.00
	Total		0.91%	2475.57	11.57	0.00	2487.14	2048.05	22.50	0.00	2070.54	427.52	416.60

Form-5: Interest and finance charges on loan

A. Normative Loan

S. No.	Particulars	Year (n-1) (FY 2022-23)			Current Year 'n' (FY 2023-24)			Control Period					(Rs. Crore)
		MYT/Tariff Order		True-Up requirement	MYT/Tariff Order		Apr-Mar	FY 2024-25	FY 2025-26	FY 2026-27	FY 2027-28	FY 2028-29	
		Approved	Audited	Claimed	Approved	Estimated	Apr-Mar	Projected	Projected	Projected	Projected	Projected	
1	Opening Balance of Gross Normative Loan	1731.35	1731.35	1731.35	1731.35	1731.28	1731.28	1732.90	1732.90	1732.90	1732.90	1732.90	
2	Cumulative Repayment till the year	1706.01	1706.01	1706.01	1706.01	1632.13	1632.13	1958.25	1980.55	2003.05	2025.55	2048.04	
3	Opening Balance of Net Normative Loan	25.34	25.34	25.34	25.34	0.00	0.00	-225.99	-247.56	-270.15	-292.55	-315.14	
4	Less: Reduction of Normative Loan due to retirement or replacement of assets												
5	Addition of Normative Loan due to capitalisation during the year		-0.09	-0.09		0.00	0.00	1.54	0.00	0.00	0.00	8.10	
6	Repayment of Normative loan during the year	129.12	126.12	126.12	126.12	130.58	126.12	-22.30	-22.50	-22.50	-22.50	-22.50	
7	Closing Balance of Net Normative Loan	0.00	0.00	0.00	0.00	-130.58	-226.89	-247.56	-270.15	-292.55	-315.14	-329.84	
8	Closing Balance of Gross Normative Loan	1602.23	1606.14	1606.14	1606.14	1605.14	1605.14	1710.59	1710.40	1710.40	1710.40	1718.50	
9	Average Balance of Net Normative Loan	12.67	12.67	12.67	12.67	-65.29	-163.93	-237.32	-258.90	-281.40	-303.90	-322.34	
10	Weighted average Rate of Interest on actual Loans (%)	10.33%	10.33%	10.33%	10.33%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
11	Interest	1.31	1.31	1.31	1.31	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
12	Finance charges												
13	Total Interest & Finance charges	1.34	1.31	1.31	1.31	0.00	0.00	0.00	0.00	0.00	0.00	0.00	

Note:

1 In case actual loan is more than 75% the modification in the formula need to be done accordingly.

B. Actual loan portfolio

S. No.	Particulars	Year (n-1)			Current Year 'n'			Current Year 'n'			(Rs. Crore)
		Apr-Mar		Audited	Apr-Sep	Oct-Mar	Apr-Mar	Apr-Mar	Projected	Projected	
		Actual	Estimated	Estimated	Estimated	Estimated	Estimated	Estimated	Projected	Projected	
1	Loan 1-PFC										
	Opening Balance of Loan	50.40									
	Addition of Loan during the year	0.00									
	Loan Repayment during the year	50.40									
	Closing Balance of Loan	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Average Loan Balance	8.32	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Applicable Interest Rate (%)	10.43									
	Interest	0.87	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Finance charges	0.00									
	Total Interest & Finance charges	0.87	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
2	Loan 1-Bank of Baroda										
	Opening Balance of Loan	5.31									
	Addition of Loan during the year	0.00									
	Loan Repayment during the year	5.31	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Closing Balance of Loan	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Average Loan Balance	1.54									
	Applicable Interest Rate (%)	9.80	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Interest	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	
	Finance charges	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Total Interest & Finance charges	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	0.15	
	Total										
	Opening Balance of Loan	58.71	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Addition of Loan during the year	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Loan Repayment during the year	58.71	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Closing Balance of Loan	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Average Loan Balance	9.86	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	
	Applicable Interest Rate (%)	10.33	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Interest	1.62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Finance charges	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
	Total Interest & Finance charges	1.62	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	

Form-6: Interest on working capital

S. No.	Particulars	FY 2022-23			FY 2023-24		Control Period								(Rs. Crore)
		MYT/Tariff Order	Apr-Mar	True-Up requirement	MYT/Tariff Order	Apr - Mar	FY 2024-25	FY 2025-26	FY 2026-27	FY 2027-28	FY 2028-29				
		Approved	Audited	Claimed	Approved	Estimated	Projected	Projected	Projected	Projected	Projected				
1	Cost of coal, towards stock	91.72	91.72	91.72	100.02	91.22	71.73	73.17	74.63	76.13	77.65				
2	Cost of coal for generation	91.72	91.72	91.72	100.02	91.22	107.60	109.75	111.95	114.19	116.47				
3	Cost of secondary fuel oil	8.20	1.32	1.32	7.16	1.38	0.97	0.99	1.01	1.03	1.05				
4	O&M expenses	15.77	20.47	20.47	16.24	22.69	22.43	23.56	24.76	26.03	27.37				
5	Maintenance spares	37.84	49.13	49.13	38.97	54.46	24.73	24.76	24.76	24.76	24.76				
6	Receivables ¹	293.81	282.07	282.07	292.96	286.01	221.99	227.19	232.25	238.25	243.20				
	Less:			0.00											
7	Payables for Fuels ²	104.53	92.36	92.36	103.55	91.90	108.56	110.73	112.94	115.20	117.51				
8	Total Working Capital requirement	434.52	444.05	444.05	451.81	455.07	340.89	348.69	356.41	365.17	372.99				
9	Interest rate	8.55%	9.44%	9.44%	8.55%	10.08%	10.15%	10.15%	10.15%	10.15%	10.15%				
10	Interest on working capital	32.01	41.91	41.91	33.09	45.87	34.60	35.39	36.18	37.06	37.86				

Note:

1 In case actual availability is less or more than normative value, the modification in the formula need to be done accordingly.

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Form-7: Return on Equity

S. No.	Particulars	FY 2022-23			FY 2023-24			Control Period						(Rs. Crore)
		MYT/Tariff Order	Apr-Mar	True-Up requirement	MYT/Tariff Order	Apr - Mar	FY 2024-25	FY 2025-26	FY 2026-27	FY 2027-28	FY 2028-29			
		Approved	Audited	Claimed	Approved	Estimated	Projected	Projected	Projected	Projected	Projected			
1	Regulatory Equity at the beginning of the year	742.01	742.01	742.01	Approved	Estimated	Projected	Projected	Projected	Projected	Projected			
2	Capitalisation during the year		-0.13	-0.13		0.00	2.34	0.00	0.00	0.00	742.67			
3	Equity portion of capitalisation during the year	0.00	-0.04	-0.04	0.00	0.00	0.70	0.00	0.00	0.00	11.57			
4	Reduction in Equity Capital on account of retirement / replacement of assets										3.47			
5	Regulatory Equity at the end of the year	742.01	741.97	741.97	0.00	741.97	742.67	742.67	742.67	742.67	746.14			
6	Rate of Return on Equity													
7	Base rate of Return on Equity	15.50%	15.50%	15.50%	15.50%	15.50%	15.50%	15.50%	15.50%	15.50%	15.50%			
8	Effective Income Tax rate	17.47%	25.168%	25.168%	17.472%	25.168%	25.168%	25.168%	25.168%	25.168%	25.168%			
9	Rate of Return on Equity	18.78%	20.71%	20.71%	18.78%	20.71%	20.71%	20.71%	20.71%	20.71%	20.71%			
10	Return on Equity Computation													
11	Return on Regulatory Equity at the beginning of the year	139.36	153.69	153.69	0.00	153.68	153.68	153.83	153.83	153.83	153.83			
12	Return on Regulatory Equity addition during the year	0.00	0.00	0.00	0.00	0.00	0.07	0.00	0.00	0.00	0.36			
13	Total Return on Equity	139.36	153.69	153.69	139.36	153.68	153.76	153.83	153.83	153.83	154.19			

Note:

1 In case actual loan is more than 75%, the modification in the formula need to be done accordingly.

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Form-8: Non-Tariff Income

S. No.	Particulars	Year (n-1) (FY 2022-23)						Current Year 'n' (FY 2023-24)		Control Period										(Rs. Crore)
		MYT/Tariff Order Approved	Apr-Mar Audited	True-Up requirement		MYT/Tariff Order Approved	Apr - Mar Estimated	FY 2024-25 Projected	FY 2025-26 Projected	FY 2026-27 Projected	FY 2027-28 Projected	FY 2028-29 Projected								
				Claimed	0.00															
													0.00	-						
1	Income from rent of land or buildings		-	0.00	0.00		0.01	0.00	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01				
2	Net income from sale of de-capitalised assets		0.00	0.00	0.00		-	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.01				
3	Income from sale of scrap		-	-	-		-	-	-	-	-	-	-	-	-	-				
4	Income from statutory investments		-	-	-		-	-	-	-	-	-	-	-	-	-				
5	Interest income on advances to suppliers/ contractors		0.01	0.01	0.01		0.00	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01				
6	Income from rental from staff quarters		-	-	-		-	-	-	-	-	-	-	-	-	-				
7	Income from rental from contractors		0.00	0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00				
8	Income from hire charges from contractors and others		18.24	18.24	18.24		7.85	8.16	8.49	8.83	9.18	9.55	9.98	9.98	9.98	9.98				
9	Income from sale of ash/rejected coal		-	-	-		-	-	-	-	-	-	-	-	-	-				
10	Income from advertisements		0.01	0.01	0.01		0.00	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01				
11	Income from sale of tender documents		1.12	1.12	1.12		0.23	0.34	0.35	0.37	0.38	0.40	0.40	0.40	0.40	0.40				
12	...		3.01	19.39	19.39	19.39	3.01	8.09	8.53	8.87	9.23	9.59	9.98	9.98	9.98	9.98				
	Total																			

Form-10: Operational parameters

S. No.	Particulars	Units	Year (n-1) (FY 2022-23)				Current Year 'n' (FY 2023-24)		Control Period						Remarks	
			MYT/Tariff Order	Apr-Mar Audited	True-Up requirement Claimed	MYT/Tariff Order	Apr - Mar Estimated	FY 2024-25 Projected	FY 2025-26 Projected	FY 2026-27 Projected	FY 2027-28 Projected	FY 2028-29 Projected				
			Approved			Approved										
1	Installed Capacity	MW	500													
	COD		23.10.2011													
	Type of Thermal Generating Station (Pithead/Non-Pithead)		Non-Pit Head													
2	Availability															
2.1	Target Availability for full recovery of AFC	%	80	80	80	80	80	80	80	85	85	85	85	85	85	
2.2	Actual/Projected Availability	%		90.3	90.3	80	85.43			85	85	85	85	85	85	
3	Plant Load Factor (PLF)															
3.1	Target PLF for Incentive	%	80	80	80	80	80	80	80	85	85	85	85	85	85	
3.2	Actual/Projected PLF	%		83.1	83.1	80	78.05			85	85	85	85	85	85	
4	Gross Generation															
4.1	Scheduled Generation	MU	3462.08	3462.08	3462.08	3174.03	3174.03			3527.54	3530.38	3527.54	3540.28	3527.54	3527.54	
4.2	Actual/Projected Gross Generation	MU		3639.71	3639.71		3340.30			3723.00	3726.00	3723.00	3736.44	3723.00	3723.00	
5	Auxiliary Consumption															
5.1	Normative Auxiliary Energy Consumption	%	7.50	7.50	7.50	7.50	7.50			5.25	5.25	5.25	5.25	5.25	5.25	
5.2	Actual/Projected Auxiliary Energy Consumption	%		4.88	4.88		4.88			5.25	5.25	5.25	5.25	5.25	5.25	
5.3	Actual/Projected Auxiliary Energy Consumption	MU		177.64	177.64		166.27			196.46	195.62	196.46	196.16	195.46	195.46	
5.4	Net Generation	MU		3462.07	3462.07		3174.03			3527.54	3530.38	3527.54	3540.28	3527.54	3527.54	
6	Gross Station Heat Rate															
6.1	Normative Gross Station Heat Rate	kcal/kWh	2450	2450	2450	2450	2450			2450	2450	2450	2450	2450	2450	
6.2	Actual/Projected Gross Station Heat Rate	kcal/kWh		2284.13	2284.13		2281			2450	2450	2450	2450	2450	2450	
7	Secondary Fuel Oil Consumption															
7.1	Normative Secondary Fuel Oil Consumption	ml/kWh	2	2	2	2	2			0.5	0.5	0.5	0.5	0.5	0.5	
7.2	Actual/Projected Secondary Fuel Oil Consumption	ml/kWh		0.33	0.33		0.396			0.5	0.5	0.5	0.5	0.5	0.5	
8	Transit Loss															
8.1	Normative Transit Loss	%	0.8	0.8	0.8	0.8	0.8			0.8	0.8	0.8	0.8	0.8	0.8	
8.2	Actual/Projected Transit Loss	%		0.8	0.8		0.8			0.8	0.8	0.8	0.8	0.8	0.8	

Note:

- 1 Similar details to be furnished for secondary fuel oil for coal based thermal plants with appropriate units.
- 2 As billed and as received GCV, quantity of coal, and price should be submitted as certified by statutory auditor.
- 3 Details to be provided for each source separately. In case of more than one source, add additional column.
- 4 Break up of the amount charged by the Coal Company is to be provided separately.

Form 11: Fuel Details for compilation of Energy Charge Rate

S. No.	Particulars	Units	Year (t-1) (FY 2022-23)												Current Year 'n' (FY 2023-24)					
			Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
A	Opening Quantity																			
1	Opening quantity of oil	KL	1851.74	2338.90	2784.02	2481.08	2188.79	2613.67	2478.70	2044.55	1864.69	1730.64	2722.23	2620.37	2529.99	2434.44	2214.43	2152.06	1938.12	1976.90
2	Value of stock	Rs.in Crs	10.80	14.29	18.92	16.88	14.91	17.28	16.39	13.52	12.32	11.83	16.75	16.11	15.56	14.98	13.57	13.20	11.89	12.19
B	Procurement																			
3	Quantity of oil supplied by the oil com	KL	594.81	921.97	0.00	0.00	1033.97	0.00	0.00	0.00	0.00	1089.25	0.00	0.00	0.00	0.00	98.71	0.00	504.31	372.49
4	Adjustment in oil quantity supplied by	KL																		
5	oil supplied by oil company (3+4)	KL	594.811	921.965	0	0	1033.97	0	0	0	0	1089.25	0	0	0	0	98.709	0	504.313	372.491
6	Normalive transit and handling loss	KL																		
7	Net oil supplied	KL	594.811	921.965	0	0	1033.97	0	0	0	0	1089.25	0	0	0	0	98.709	0	504.313	372.491
C	Price																			
8	Amount charged by oil company	Rs.in Crs	4.75	7.85	0.00	0.00	6.35	0.00	0.00	0.00	0.00	5.90	0.00	0.00	0.00	0.00	0.63	0.00	3.18	2.51
9	Adjustment in amount charged by the	Rs.in Crs																		
10	Handling, sampling and such other sit	Rs.in Crs																		
11	Total amount charged (8+9+10)	Rs.in Crs	4.75	7.85	0.00	0.00	6.35	0.00	0.00	0.00	0.00	5.90	0.00	0.00	0.00	0.00	0.63	0.00	3.18	2.51
D	Transportation																			
12	Transportation charges																			
13	By rail	Rs.in Crs																		
14	By road	Rs.in Crs																		
15	By ship	Rs.in Crs																		
16	Adjustment in amount charged by the	Rs.in Crs																		
17	Demurrage charges, if any	Rs.in Crs																		
18	Cost of diesel in transporting oil	Rs.in Crs																		
19	through MGR system, if	Rs.in Crs																		
20	applicable	Rs.in Crs																		
21	Total Transportation charges	Rs.in Crs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
22	(12+13+14+15)	Rs.in Crs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
23	Total amount charged for oil supplied	Rs.in Crs	4.75	7.85	0.00	0.00	6.35	0.00	0.00	0.00	0.00	5.90	0.00	0.00	0.00	0.00	0.63	0.00	3.18	2.51
24	including transportation (11+16)	Rs.in Crs	4.75	7.85	0.00	0.00	6.35	0.00	0.00	0.00	0.00	5.90	0.00	0.00	0.00	0.00	0.63	0.00	3.18	2.51
E	Total Cost																			
25	Landed cost of oil (2+17)/(1+7)	Rs./KL	8107.71	67891.3	67973.3	58017.9	55970.8	68048.2	66114	65125.7	66083.7	61571.5	81523.3	81483.8	81517	81470	81358	81328.4	81866.4	82602.4
26	Blending Ratio (Domestic/imported)																			
27	Weighted average cost of oil for	Rs /KL																		
28	preceding three months																			
F	Quality																			
29	GCV of Domestic oil of the opening	kcal/kg																		
30	oil stock as per bill	kcal/kg																		
31	of oil Company	kcal/kg																		
32	GCV of Domestic oil supplied as per	kcal/kg																		
33	bill of oil Company	kcal/kg																		
34	GCV of Imported oil of the opening	kcal/kg																		
35	stock as per bill oil	kcal/kg																		
36	Company	kcal/kg																		
37	GCV of imported oil supplied as per	kcal/kg																		
38	bill oil Company	kcal/kg																		
39	Weighted average GCV of oil as	kcal/kg																		
40	Billed	kcal/kg																		
41	GCV of Domestic oil of the opening	kcal/kg																		
42	stock as received at	kcal/kg																		
43	Station	kcal/kg																		
44	GCV of Domestic oil supplied as	kcal/kg																		
45	received at Station	kcal/kg																		
46	GCV of Imported oil of opening stock	kcal/kg																		
47	as received at	kcal/kg																		
48	Station	kcal/kg																		
49	GCV of imported oil of opening stock	kcal/kg																		
50	as received at Station	kcal/kg																		
51	Weighted average GCV of oil as	kcal/kg																		
52	Received	kcal/kg																		

Note: 1 Similar details to be furnished for secondary fuel oil for coal based thermal plants with appropriate units.
2 As billed and as received GCV, quantity of coal, and price should be submitted as certified by statutory auditor.
3 Details to be provided for each source separately. In case of more than one source, add additional column.
4 Break up of the amount charged by the Coal Company is to be provided separately.

**TGGENCO
KTPS-VI**

Form-12: Energy Charge Rate

Particulars	Legend	Units	(FY 2022-23)			(FY 2023-24)			Control Period				
			MYT/Tariff Order	Apr-Mar	True-Up requirement	MYT/Tariff Order	Apr - Mar	Estimated	FY 2024-25	FY 2025-26	FY 2026-27	FY 2027-28	FY 2028-29
Auxiliary Consumption	AUX	%	Approved	Audited	Claimed	Approved			Projected	Projected	Projected	Projected	Projected
Gross Station Heat Rate	GSHR	kcal/kWh	7.5	4.88	4.88	7.50	4.98	5.25	5.25	5.25	5.25	5.25	5.25
Secondary Fuel oil consumption	SFC	ml/kWh	2450	2284.14	2284.14	2450.00	2280.78	2450	2450	2450	2450	2450	2450
Calorific Value of Secondary Fuel	CVSF	kcal/ml	2	0.330	0.33	2.00	0.40	0.5	0.5	0.5	0.5	0.5	0.5
Landed Price of Secondary Fuel	LPSF	Rs./ml	9819	9819.00	9819.00	9819.00	9819	9819	9819	9819	9819	9819	9819
Gross Calorific Value of Coal	CVPF	kcal/kg	0.07	0.07	0.07	0.06	0.06	0.06	0.06	0.06	0.06	0.07	0.07
Landed Price of Coal	LPPE	Rs./kg	3774	3774	3774	3866	3866	3790	3790	3790	3790	3790	3790
Specific Coal Consumption		kg/kWh	5.07	5.07	5.07	5.64	5.64	5.45	5.45	5.56	5.67	5.78	5.90
Oil Cost/kwh		Rs/kwh	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65	0.65
		Rs/kwh	3.532	3.223	3.223	3.834	3.497	3.711	3.711	3.785	3.861	3.938	4.017
		Rs/kwh	0.142	0.023	0.023	0.135	0.026	0.033	0.033	0.034	0.034	0.035	0.036
ECR		Rs./kWh	3.674	3.246	3.246	3.969	3.523	3.744	3.819	3.895	3.973	4.053	
* Energy Charges provisionally computed for next control period FY 2024-25 to FY 2028-29 based on actual weighted average cost of primary fuel and secondary fuel during January-24, February-24 and March-24 with 2% escalation year on year. However, actual energy charges shall be claimed as per TSERC regulation 2 of 2023.													

FY 2022-23
Audited

Beneficiary	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Total
TSSPDCL (70.55%)	208.81	189.84	200.21	211.87	217.44	205.74	170.47	207.19	211.66	201.96	193.80	223.71	2442.48
TSNPDCL (29.45%)	87.16	79.16	83.57	88.44	90.77	86.98	71.16	86.48	88.36	84.30	80.90	93.38	1019.58
Total	295.97	268.80	283.78	300.31	308.21	291.63	241.63	293.68	300.02	286.26	274.71	317.09	#REF!

FY 2023-24

Beneficiary	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Total
TSSPDCL (70.55%)	207.37	215.93	200.86	213.70	192.20	179.42	217.30	109.82	149.30	195.30	188.25	175.84	2239.29
TSNPDCL (29.45%)	86.56	90.14	83.85	80.21	76.05	74.89	90.71	46.84	62.32	81.55	78.58	75.07	934.76
Total	293.93	306.07	284.71	302.91	268.25	254.31	308.01	156.66	211.62	276.83	266.83	254.92	3174.05

FY 2024-25
Projected

Beneficiary	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Total
TSSPDCL (70.55%)	204.65	211.37	204.56	211.37	211.37	204.55	211.37	204.55	211.37	211.37	190.92	211.37	2488.70
TSNPDCL (29.45%)	85.39	88.23	85.39	88.23	88.23	85.39	88.23	85.39	88.23	88.23	79.69	88.23	1038.87
Total	289.94	299.60	289.94	299.60	299.60	289.94	299.60	289.94	299.60	299.60	270.61	299.60	3527.57

FY 2025-26
Projected

Beneficiary	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Total
TSSPDCL (70.55%)	218.68	223.80	218.58	223.80	223.80	218.58	223.80	144.39	151.60	223.80	202.14	223.80	2490.87
TSNPDCL (29.45%)	90.41	93.42	90.41	93.42	93.42	90.41	93.42	60.27	63.28	93.42	84.38	93.42	1039.69
Total	306.99	317.22	308.99	317.22	317.22	308.99	317.22	204.66	214.88	317.22	286.52	317.22	3530.56

FY 2026-27
Projected

Beneficiary	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Total
TSSPDCL (70.55%)	204.55	211.37	204.56	211.37	211.37	204.55	211.37	204.55	211.37	211.37	190.92	211.37	2488.70
TSNPDCL (29.45%)	85.39	88.23	85.39	88.23	88.23	85.39	88.23	85.39	88.23	88.23	79.69	88.23	1038.87
Total	289.94	299.60	289.94	299.60	299.60	289.94	299.60	289.94	299.60	299.60	270.61	299.60	3527.57

FY 2027-28
Projected

Beneficiary	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Total
TSSPDCL (70.55%)	233.43	241.21	9.00	124.49	241.21	233.43	241.21	233.43	241.21	241.21	226.56	241.21	2497.69
TSNPDCL (29.45%)	97.44	100.69	9.00	51.97	100.69	97.44	100.69	97.44	100.69	100.69	94.19	100.69	1042.62
Total	330.87	341.90	0.00	176.46	341.90	330.87	341.90	330.87	341.90	341.90	319.84	341.90	3540.31

FY 2028-29
Projected

Beneficiary	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Total
TSSPDCL (70.55%)	204.56	211.37	204.55	211.37	211.37	204.56	211.37	204.55	211.37	211.37	190.92	211.37	2488.70
TSNPDCL (29.45%)	85.39	88.23	85.39	88.23	88.23	85.39	88.23	85.39	88.23	88.23	79.69	88.23	1038.87
Total	289.94	299.60	289.94	299.60	299.60	289.94	299.60	289.94	299.60	299.60	270.61	299.60	3527.57

Form 15: Revenue Reconciliation

Previous Year (n-1) (FY 2022-23)

Audited

S. No.	Particulars	Units	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Total
1	Normative Availability (%)	%	80.00	80.00	80.00	80.00	80.00	80.00	80.00	80.00	80.00	80.00	80.00	80.00	80.00
2	Availability during the month (%)	%	81.82	87.54	89.26	95.37	96.85	88.18	93.32	93.59	86.67	88.91	92.31	92.31	82.26
3	Cumulative Availability (%)	%	86.32	86.72	87.36	88.99	90.28	89.97	90.38	90.75	90.33	90.21	90.39	90.39	80.00
4	Target PLF for Incentive	%	80.00	80.00	80.00	80.00	80.00	80.00	80.00	80.00	80.00	80.00	80.00	80.00	80.00
5	Actual PLF during the month (%)	%	76.29	82.81	84.79	86.94	85.03	88.63	85.69	84.76	80.98	85.86	89.60	89.60	
6	Cumulative PLF (%)	%	81.21	81.74	82.51	83.41	83.68	81.50	82.01	82.32	82.19	82.49	83.10	83.10	3662.35
7	Gross Generation (MU)	MU	283.78	298.13	315.42	323.42	306.09	255.29	308.49	315.32	301.26	288.50	333.32	333.32	179.16
8	Auxiliary Consumption (MU)	MU	14.99	14.35	15.11	15.21	14.47	13.66	14.81	15.30	15.00	13.79	16.23	16.23	3483.19
9	Net Generation (MU)	MU	268.80	283.78	300.31	308.21	291.63	241.63	293.68	300.02	286.26	274.71	317.09	317.09	-20.81
10	Generation above target PLF (MU)	MU	-19.20	-13.82	12.31	10.61	-5.97	-46.37	-3.92	12.02	-11.34	-22.89	48.29	19.49	2.868
11	Variable Charges Per Unit	Rs./kWh	2.733	2.733	2.733	2.733	2.733	2.733	2.733	2.733	2.733	2.733	2.733	2.733	521.79
12	Approved Fixed Charges	Rs. Crore	43.48	43.48	43.48	43.48	43.48	43.48	43.48	43.48	43.48	43.48	43.48	43.48	3.629
13	Fuel Surcharge	Rs./kWh	3.519	3.397	3.717	3.550	3.761	3.888	3.728	3.661	3.725	3.994	3.670	3.670	521.79
14	Fixed Charges During Month	Rs. Crore	43.48	43.48	43.48	43.48	43.48	43.48	43.48	43.48	43.48	43.48	43.48	43.48	951.96
15	Energy Charges Amount	Rs. Crore	73.46	77.56	82.07	84.23	79.70	66.04	80.26	82.00	78.24	75.08	86.66	86.66	332.09
16	Amount of Fuel Surcharge Adjustment	Rs. Crore	21.13	18.83	29.55	25.17	29.97	27.90	29.21	27.83	28.39	34.65	29.72	29.72	11.94
17	Incentive Amount	Rs. Crore													1817.77
18	Revenue from sale of electricity	Rs. Crore	138.08	139.88	155.10	152.89	153.15	137.42	152.96	153.31	150.10	153.21	159.86	159.86	-107.57
19	Other recoveries/adjustments														-33.76
	Fuel (savings)/charge year end adjustment														1.12
	Difference bill issued after MTR order														1677.57
	Water Charges	Rs. Crore													1664.58
20	Total Revenue	Rs. Crore	138.08	139.88	155.10	152.89	153.15	137.42	152.96	153.31	150.10	153.21	159.86	159.86	
21	Total Revenue as per Audited Accounts	Rs. Crore													

Actual

TGGENCO
KTPS-VII
Tariff Filing Formats - Generation
Checklist

S. No.	Form	Title	Tick
1	Form 1	Summary Sheet	✓
2	Form 2	Operation and Maintenance Expenses	✓
3	Form 2.1	Employee Expenses	✓
4	Form 2.2	Administration & General Expenses	✓
5	Form 2.3	Repair & Maintenance Expenses	✓
6	Form 3	Summary of Capital Expenditure and Capitalisation	✓
7	Form 3.1	Statement of Additional Capitalisation after COD	✓
8	Form 3.2	Financing of Additional Capitalisation	✓
9	Form 4	Fixed Assets & Depreciation	✓
10	Form 5	Interest and finance charges on loan	✓
11	Form 6	Interest on working capital	✓
12	Form 7	Return on Equity	✓
13	Form 8	Non-Tariff Income	✓
14	Form 9	Planned & Forced Outages	✓
15	Form 10	Operational parameters	✓
16	Form 11	Fuel Details for computation of Energy Charge Rate	✓
17	Form 12	Energy Charge Rate	✓
18	Form 13	Sales	✓
19	Form 14	Revenue from Sale of Electricity	✓
20	Form 15	Revenue Reconciliation	✓
21	Form 16	Summary of true-up	
		Capital Cost Approval*	
22	Form 17	Plant Characteristics (Thermal)	
23	Form 18	Plant Characteristics (Hydel)	
24	Form 19.1	Project Schedule	
25	Form 19.2	Abstract of Capital Cost	
26	Form 19.3	Breakup of Capital Cost	
27	Form 19.4	Breakup of Construction/Supply/Services/Packages	
28	Form 19.5	Financial Package	
29	Form 19.6	Details of Loans	
30	Form 19.7	Phasing of Expenditure, Debt and Equity upto COD	
31	Form 19.8	Interest During Construction and Finance Charges upto COD	

Note: * Applicable only for new Generating Station/Unit for which Provisional/Final tariff approval is being sought

TIGENCO
KTPS VII
Form-1: Summary Sheet

S. No.	Particulars	Units	Reference	FY 2022-23		FY 2023-24		Control Period					Remarks
				MYT/Tariff Order	True-Up requirement	MYT/Tariff Order	April - March	FY 2024-25	FY 2025-26	FY 2026-27	FY 2027-28	FY 2028-29	
A	Annual Fixed Charges			Approved	Audited	Approved	Provisional	Projected	Projected	Projected	Projected	Projected	
1	Operation & Maintenance Expenses	Rs. Crore	Form 2	403.31	491.60	484.98	548.25	588.91	608.53	637.31	673.00	709.30	
2	Depreciation	Rs. Crore	Form 4	253.40	261.87	232.68	263.95	174.38	182.21	216.73	229.30	231.11	
3	Interest and finance charges on loan	Rs. Crore	Form 5	275.05	264.27	263.85	249.07	232.68	243.70	254.73	240.89	218.24	
4	Interest on Working Capital	Rs. Crore	Form 6	59.87	54.38	64.55	89.60	63.87	65.98	69.14	71.04	72.32	
5	Return on Equity	Rs. Crore	Form 7	288.43	314.31	299.35	317.02	322.34	347.47	374.67	382.55	383.48	
6	Less: Non-Tariff Income	Rs. Crore	Form 8		78.19		67.85	10.83	11.27	11.72	12.19	12.67	
7	Annual Fixed Charges	Rs. Crore		1280.06	1318.24	1345.41	1400.04	1351.34	1428.62	1540.86	1584.59	1601.77	
B	Energy Charges												
1	Energy Charge Rate	Rs./kWh	Form 12	3.075	3.104	3.499	3.412	3.618	3.690	3.764	3.839	3.916	
2	Scheduled Energy (ex-bus)	MJ	Form 10	4013.33	4013.33	5756.62	5756.62	6648.62	6644.07	6648.62	6659.51	6646.80	
3	Energy Charges	Rs. Crore		1234.59	1245.77	2014.27	1964.29	2043.63	2082.83	2126.20	2172.90	2211.38	
C	AFC + Energy Charges	Rs. Crore		2514.65	2564.01	3359.68	3364.33	3394.98	3511.45	3667.05	3757.49	3813.16	

TGGENCO
KTPS VII
Form 2: Operation and Maintenance Expenses

A. For Existing Generating Stations

S. No.	Particulars	Reference	FY 2022-23		FY 2023-24		Control Period					(Rs. Crore)
			MYT/Tariff Order	Apr-Mar	True-Up requirement	MYT/Tariff Order	Apr - Mar	FY 2024-25	FY 2025-26	FY 2026-27	FY 2027-28	
			Approved	Audited	Claimed	Approved	Provisional	Projected	Projected	Projected	Projected	
1	Employee Expenses	Form 2.1	366.71	419.16	419.16	396.07	466.54	487.70	515.99	545.91	577.58	611.08
2	A&G Expenses	Form 2.2	14.78	30.82	30.82	51.97	56.80	45.96	48.21	50.57	53.05	55.65
3	R & M Expenses	Form 2.3	25.89	41.63	41.63	31.84	24.91	35.25	36.33	40.83	42.37	42.58
4	Total O&M Expenses		403.31	491.60	491.60	484.98	548.25	568.91	600.53	637.31	673.00	709.30

Note:

1 The projections for the Control Period to be supported by detailed computations

<TIGGENCO>
<KTPS-VII>
Form 2.1 Employee Expenses

S.No.	Particulars	(Rs. Crore)									
		FY 2019-20		FY 2020-21		FY 2021-22		FY 2022-23		FY 2023-24	
		Apr-Mar Audited	Apr-Mar Audited	Apr-Mar Audited	Apr-Mar Audited	Apr-Mar Audited	Apr-Mar Audited	Apr-Mar Audited	Apr-Mar Audited	Apr-Mar Provisional	Apr-Mar Provisional
1	Basic Salary							232.09		239.00	
2	Dearness Allowance (DA)							7.39		22.03	
3	House Rent Allowance							17.03		18.52	
4	Conveyance Allowance							2.40		2.33	
5	Leave Travel Allowance							0.00		0.00	
6	Earned Leave Encashment							35.80		43.25	
7	Other Allowances							49.33		37.46	
8	Medical Reimbursement							4.72		1.38	
9	Overtime Payment							0.00		-	
10	Bonus/Ex-Gratia Payments							0.00		-	
11	Interim Relief / Wage Revision							0.00		0.00	
12	Staff welfare expenses							5.65		5.34	
13	VRS Expenses/Retrenchment Compensation							0.00		-	
14	Commission to Directors							0.00		-	
15	Training Expenses							0.00		-	
16	Payment under Workmen's Compensation Act							0.00		-	
17	Net Employee Costs							354.41		369.31	
18	Terminal Benefits							0.00		-	
18.1	Provident Fund Contribution							16.23		17.22	
18.2	Provision for PF Fund							0.00		-	
18.3	Pension Payments							0.00		-	
18.4	Gratuity Payment							48.52		80.01	
19	Unfunded past liabilities of pension & gratuity							0.00		-	
20	Others							0.00		-	
21	Gross Employee Expenses	0.00	0.00	0.00	0.00	0.00	0.00	419.15		466.54	
22	Less: Expenses Capitalised							0.00		-	
23	Net Employee Expenses	115.12	409.04	352.50	419.15	466.54	577.58	545.91	515.99	487.70	611.08

S. No.	Particulars	FY 2019-20		FY 2020-21		FY 2021-22		FY 2022-23		FY 2023-24		Control Period				(Rs. Crore)	
		Apr-Mar Audited	Apr-Mar Audited	Apr-Mar Audited	Apr-Mar Audited	Apr-Mar Audited	Apr-Mar Audited	Apr-Mar Audited	Apr-Mar Audited	Apr - Mar Provisional	Apr - Mar Provisional	FY 2024-25 Projected	FY 2025-26 Projected	FY 2026-27 Projected	FY 2027-28 Projected	FY 2028-29 Projected	FY 2028-29 Projected
1	Rent Rates & Taxes	0.57	1.09	3.95	1.60	2.29	2.29	2.29	2.29	2.29	2.29						
2	Insurance	3.03	4.35	4.07	3.90	3.73	3.73	3.73	3.73	3.73	3.73						
3	Telephone & Postage, etc.	0.11	0.16	0.14	0.26	0.24	0.24	0.24	0.24	0.24	0.24						
4	Legal charges & Audit fee	0.21	0.19	0.15	0.25	0.17	0.17	0.17	0.17	0.17	0.17						
5	Professional, Consultancy, Technical fee	0.03	0.02	0.19	0.52	5.05	5.05	5.05	5.05	5.05	5.05						
6	Conveyance & Travel	0.12	0.03	0.03	0.08	0.11	0.11	0.11	0.11	0.11	0.11						
7	Electricity charges	1.80	1.43	19.60	2.10	14.41	14.41	14.41	14.41	14.41	14.41						
8	Water charges	0.01	0.02	0.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00						
9	Security arrangements	4.95	13.55	19.10	14.94	12.37	12.37	12.37	12.37	12.37	12.37						
10	Fees & subscription	0.04	0.21	0.04	0.03	0.03	0.03	0.03	0.03	0.03	0.03						
11	Books & periodicals	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00						
12	Computer Stationery	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00						
13	Printing & Stationery	0.06	0.17	0.08	0.05	0.04	0.04	0.04	0.04	0.04	0.04						
14	Advertisements	1.11	0.13	0.19	0.13	0.14	0.14	0.14	0.14	0.14	0.14						
15	Purchase Related Advertisement Expenses	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00						
16	Contribution/Donations	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00						
17	License Fee and other related fee	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00						
18	Vehicle Running Expenses Truck / Delivery Van	0.10	0.02	0.03	0.04	0.05	0.05	0.05	0.05	0.05	0.05						
19	Vehicle Hiring Expenses Truck / Delivery Van	0.79	1.68	2.05	1.86	2.01	2.01	2.01	2.01	2.01	2.01						
20	Cost of services procured	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00						
21	Outsourcing of metering and billing system	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00						
22	Freight On Capital Equipments	0.00	0.00	0.02	0.03	0.02	0.02	0.02	0.02	0.02	0.02						
23	V-sat, Internet and related charges	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00						
24	Training	0.07	0.02	0.07	0.05	0.10	0.10	0.10	0.10	0.10	0.10						
25	Bank Charges	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00						
26	Miscellaneous Expenses	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00						
27	Office Expenses	0.01	0.01	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04						
28	Others	0.23	0.46	0.73	0.33	16.03	16.03	16.03	16.03	16.03	16.03						
29	Gross A & G Expenses	13.23	23.54	50.49	30.82	56.80	56.80	56.80	56.80	56.80	56.80	45.96	48.21	50.57	53.05	55.65	55.65
30	Less: Expenses Capitalised	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	45.96	48.21	50.57	53.05	55.65	55.65
31	Net A & G Expenses	13.23	23.54	50.49	30.82	56.80	56.80	56.80	56.80	56.80	56.80	45.96	48.21	50.57	53.05	55.65	55.65

Form 2.3: Repair & Maintenance Expenses

S. No.	Particulars	FY 2019-20		FY 2020-21		FY 2021-22		FY 2022-23		FY 2023-24		Control Period						(Rs. Crore)			
		Apr-Mar	Audited	Apr-Mar	Audited	Apr-Mar	Audited	Apr-Mar	Audited	Apr - Mar	Provisional	FY 2024-25	Projected	FY 2025-26	Projected	FY 2026-27	Projected	FY 2027-28	Projected	FY 2028-29	Projected
1	Plant & Machinery	4.93	16.86	19.48	30.58	15.78															
2	Buildings	0.00	0.00	0.14	0.12	0.24															
3	Civil Works	3.85	8.02	7.09	9.18	7.48															
4	Hydraulic Works	0.00	0.00	0.00	0.00	0.07															
5	Lines & Cable Networks	0.37	0.57	0.88	1.26	0.78															
6	Vehicles	0.02	0.03	0.01	0.08	0.04															
7	Furniture & Fixtures	0.00	0.00	0.00	0.00	-															
8	Office Equipment	0.15	0.55	0.57	0.42	0.51	35.25	36.33	40.83	42.37	42.58										
9	Gross R&M Expenses	9.31	24.04	28.16	41.63	24.91															
10	Gross Fixed Assets at beginning of year	2149.48	2152.84	2188.98	5022.07	5094.40	5109.14	5265.81	5917.74	6141.34	6171.38										
11	R&M Expenses as % of GFA at beginning of year	0.43%	1.12%	1.29%	0.83%	0.49%	0.69%	0.69%	0.69%	0.69%	0.69%										

3. KTPS-VII

<TGGENCO>

<KTPS-VII>

Form 3: Summary of Capital Expenditure and Capitalisation

S. No.	Particulars	FY 2022-23			FY 2023-24		Control Period					(Rs. Crore)
		MYT/Tariff Order	Apr-Mar	True-Up requirement	MYT/Tariff Order	Apr - Mar	FY 2024-25	FY 2025-26	FY 2026-27	FY 2027-28	FY 2028-29	
		Approved	Audited	Claimed	Approved	Provisional	Projected	Projected	Projected	Projected	Projected	
1	Opening Capital Works in Progress		14.05	14.05		42.85	49.72	426.19	0.00	0.00	0.00	
2	Capital Expenditure during the year		102.29	102.29		17.73	533.14	225.74	223.60	30.04	0.00	
3	Capitalisation during the year		72.33	72.33		14.73	156.67	651.93	223.60	30.04	0.00	
4	Closing Capital Works in Progress	0.00	44.01	44.01	0.00	28.12	426.19	0.00	0.00	0.00	0.00	

Form 3-1: Statement of additional Capitalisation after COO

S. No.	FY	Name of the package (BTD, BOP, Civil Works etc.)	Name of the work	Total estimated cost* (Rs. Crore)	Capital expenditure during this year (Rs. Crore)	Capitalisation during the year (Rs. Crore)	Asset group under which the capitalisation has been accounted (Land, Buildings, etc.)	Scope of work	Relevant Clause of the TSERC RYT Regulation, 2023 under which the capitalisation has been claimed	Justification		
Year (n-1)												
1	FY 2023-24	LINES & CABLES	CAPITAL SPARES	1.59	1.59	1.59	LINE & CABLES					
2				6.70	6.70	6.70	CAPITAL SPARES					
3				0.28	0.28	0.28	VEHICLES					
4				0.05	0.05	0.05	COMPUTERS					
5				0.05	0.05	0.05	OFFICE EQUIPMENT					
6				0.12	0.12	0.12	OFFICE EQUIPMENT					
7				67.46	67.46	67.46	0.12 PLANT & MACHINERY					
8							0.01 PLANT & MACHINERY					
9							0.16 HYDRAULIC WORKS					
10							0.01 OTHER CIVIL WORKS					
11							2.88 PLANT & MACHINERY					
12							10.20 OTHER CIVIL WORKS					
Total				80.00	102.59	72.33						
Current Year 'n'												
13	FY 2023-24	CWP PLANT AND MACHINERY	CWP PLANT AND MACHINERY	1.00	1.00	1.00						
14				0.00	0.00	0.00						
15				7.38	7.38	7.38						
16				0.00	0.00	0.00	0.00 PLANT AND MACHINERY					
17				0.54	0.54	0.54	0.54 CAPITAL SPARES					
18				0.14	0.14	0.14	0.14 FURNITURE					
19				0.07	0.07	0.07	0.07 COMPUTERS					
20				0.01	0.01	0.01	0.01 OFFICE EQUIPMENT					
21				9.28	9.28	9.28						
22				6.21	6.21	6.21						
23				3.38	3.38	3.38						
Total				20.00	14.73	14.73						
Year (n+1)												
1	FY 2024-25	procurement of 120 ton Hydraulic mobile crane for Rs.23.50 lakhs	Augmentation of capacity of ESP handling system, Ash slurry disposal from power house to Northern Ash pond & Boiler maintenance division critical equipment, Upgrading the Electrical System of ICHP. (The complete details are attached as Annexure)	0.00	0.00	0.00						
2				152.93	152.93	152.93						
3				3.74	3.74	3.74						
Year (n+2)												
1	FY 2025-26	The Expenditure proposed is in Original Project cost and the details are enclosed as Annexure	Flexibilisation of Thermal Units to 40% TML	156.67	156.67	156.67						
2				156.67	156.67	156.67						
3				11.57	11.57	11.57						
Year (n+3)												
1	FY 2026-27	The Expenditure proposed is in Original Project cost and the details are enclosed as Annexure	Flexibilisation of Thermal Units to 40% TML	651.93	651.93	651.93						
2				651.93	651.93	651.93						
3				11.57	11.57	11.57						
Total				1315.43	1315.43	1315.43						

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TELANGANA POWER GENERATION CORPORATION
KOTHAGUDEM THERMAL POWER STATION/D&M - VII STAGE
Form 3.1: Statement of Additional Capitalisation after COB

S. No.	FY	Name of the package (BTL, ROP, Civil Works etc.)	Name of the work	Total estimate of cost (Rs. Crore)	Capital expenditure during the year (Rs. Crore)	Capitalisation during the year (Rs. Crore)	Asset group under which the capitalisation has been accounted (Land, Buildings, etc.)	Scope of work	Relevant Clause of the TSERC RYT Regulation, 2023 under which the capitalisation has been claimed	Justification	Included in Approved Project Cost or Not
A	Year 2022-23 (m-1)										
1		C-0035.02	Construction of New Architectural Arch a		0.14	0.00	Other Civil Works	Construction of New Architectural Arch a	7.19 - Additional Capitalisation	Construction of Entrance Gate to CETD as the earlier initiative was through C-Column.	Works not included in Approved project Cost. Non Project cost
2		T-0010.01.04.01	Supply and E&C of FGD		11.62	0.00	Plant & Machinery	Supply and E&C of FGD	7.19 - Additional Capitalisation		Works included in Approved project Cost. Project cost
3		T-0010.01.04.02	Civil works of FGD		19.57	0.00	Building	Civil works of FGD	7.19 - Additional Capitalisation		Works included in Approved project Cost. Project cost
4		T-0010.01.01	E&M System (Supply and Erection)		1.60	1.60	Plant & Machinery	E&M System (Supply and Erection)	7.19 - Additional Capitalisation	The F&B Plant construction is essential to run the KTPS-VII Stage as per CFQ Norms	Works included in Approved project Cost. Project cost
5		T-0010.01.01.01.01	Main Boiler		16.71	16.71	Plant & Machinery	Main Boiler	7.19 - Additional Capitalisation		Works included in Approved project Cost. Project cost
6		T-0010.01.01.01.11	Boiler Common		5.25	5.25	Plant & Machinery	Boiler Common	7.19 - Additional Capitalisation		Works included in Approved project Cost. Project cost
7		T-0010.01.01.02.03	LP Turbine		0.01	0.01	Plant & Machinery	LP Turbine	7.19 - Additional Capitalisation		Works included in Approved project Cost. Project cost
8		T-0010.01.01.02.06	BFPs		0.00	0.00	Plant & Machinery	BFPs	7.19 - Additional Capitalisation		Works included in Approved project Cost. Project cost
9		T-0010.01.01.02.18	Turbine Common		0.04	0.04	Plant & Machinery	Turbine Common	7.19 - Additional Capitalisation		Works included in Approved project Cost. Project cost
10		T-0010.01.01.05.03	3.3 KV Switch Gear		0.00	0.00	Plant & Machinery	3.3 KV Switch Gear	7.19 - Additional Capitalisation		Works included in Approved project Cost. Project cost
11		T-0010.01.01.05.04	Generator Transformer		0.37	0.37	Plant & Machinery	Generator Transformer	7.19 - Additional Capitalisation		Works included in Approved project Cost. Project cost
12		T-0010.01.01.05.06	Unit Transformers		0.08	0.08	Plant & Machinery	Unit Transformers	7.19 - Additional Capitalisation		Works included in Approved project Cost. Project cost
13		T-0010.01.01.05.09	ID,FD,PA Fan Motors		3.35	3.35	Plant & Machinery	ID,FD,PA Fan Motors	7.19 - Additional Capitalisation		Works included in Approved project Cost. Project cost
14		T-0010.01.01.05.10	BCW Pump Motor		0.18	0.18	Plant & Machinery	BCW Pump Motor	7.19 - Additional Capitalisation		Works included in Approved project Cost. Project cost
15		T-0010.01.01.05.11	Mill Motor		0.05	0.05	Plant & Machinery	Mill Motor	7.19 - Additional Capitalisation		Works included in Approved project Cost. Project cost
16		T-0010.01.01.05.12	MDBFP Motor		0.34	0.34	Plant & Machinery	MDBFP Motor	7.19 - Additional Capitalisation		Works included in Approved project Cost. Project cost
17		T-0010.01.01.05.13	CEP Motor		0.06	0.06	Plant & Machinery	CEP Motor	7.19 - Additional Capitalisation		Works included in Approved project Cost. Project cost
18		T-0010.01.01.05.14	DMCW Motor		0.35	0.35	Plant & Machinery	DMCW Motor	7.19 - Additional Capitalisation		Works included in Approved project Cost. Project cost
19		T-0010.01.01.05.18	Electrical Lab Equipment		0.68	0.68	Plant & Machinery	Electrical Lab Equipment	7.19 - Additional Capitalisation		Works included in Approved project Cost. Project cost
20		T-0010.01.01.05.19	LT Switchgear		0.34	0.34	Plant & Machinery	LT Switchgear	7.19 - Additional Capitalisation		Works included in Approved project Cost. Project cost
21		T-0010.01.01.05.23	Cable Trays		0.14	0.14	Plant & Machinery	Cable Trays	7.19 - Additional Capitalisation		Works included in Approved project Cost. Project cost
22		T-0010.01.01.05.24	Plant Illumination System		0.02	0.02	Plant & Machinery	Plant Illumination System	7.19 - Additional Capitalisation		Works included in Approved project Cost. Project cost
23		T-0010.01.01.05.26	Service and Aux Transformers		0.05	0.05	Plant & Machinery	Service and Aux Transformers	7.19 - Additional Capitalisation		Works included in Approved project Cost. Project cost
24		T-0010.01.01.05.27	DG set		0.20	0.20	Plant & Machinery	DG set	7.19 - Additional Capitalisation		Works included in Approved project Cost. Project cost

S. No.	FY	Name of the package (STG, BOP, Civil Works etc.)	Name of the work	Total estimate & cost (Rs. Crore)	Capital expenditure during the year (Rs. Crore)	Capitalisation during the year (Rs. Crore)	Asset group under which the capitalisation has been accounted (Land, Buildings, etc.)	Scope of work	Relevant Clause of the TSERC MYT Regulation, 2023 under which the capitalisation has been claimed	Justification	Included in Approved project Cost or Not
25	T-0010.01.01.05.29	Switch yard E&M		1.63	1.63	1.63	Plant & Machinery	Switch yard E&M	7.19 - Additional Capitalisation	Execution of Balance works of KTPS - VI Stage	Works included in Approved project Cost (T-0010.01.05.29)
26	T-0010.01.01.05.30	Common Electrical System-BTG		0.13	0.13	0.13	Plant & Machinery	Common Electrical System-BTG	7.19 - Additional Capitalisation		Works included in Approved project Cost (T-0010.01.05.30)
27	T-0010.01.01.05.30	Common IEC System		0.08	0.08	0.08	Plant & Machinery	Common IEC System	7.19 - Additional Capitalisation		Works included in Approved project Cost (T-0010.01.05.30)
28	T-0010.01.01.05.07	Coal Handling Plant-E&M		6.20	6.20	6.20	Plant & Machinery	Coal Handling Plant-E&M	7.19 - Additional Capitalisation		Works included in Approved project Cost (T-0010.01.05.07)
29	T-0010.01.01.01.03	Ash Handling Plant-E&M		0.29	0.29	0.29	Plant & Machinery	Ash Handling Plant-E&M	7.19 - Additional Capitalisation		Works included in Approved project Cost (T-0010.01.03)
30	T-0010.01.01.01.10	Fire Protection system-E&M		0.05	0.05	0.05	Plant & Machinery	Fire Protection system-E&M	7.19 - Additional Capitalisation		Works included in Approved project Cost (T-0010.01.10)
31	T-0010.01.01.11	Air Conditioning System-E&M		0.05	0.05	0.05	Plant & Machinery	Air Conditioning System-E&M	7.19 - Additional Capitalisation		Works included in Approved project Cost (T-0010.01.11)
32	T-0010.01.01.15	Pre Treatment plant-E&M		1.86	1.86	1.86	Plant & Machinery	Pre Treatment plant-E&M	7.19 - Additional Capitalisation		Works included in Approved project Cost (T-0010.01.15)
33	T-0010.01.01.16	DM plant-E&M		3.60	3.60	3.60	Plant & Machinery	DM plant-E&M	7.19 - Additional Capitalisation		Works included in Approved project Cost (T-0010.01.16)
34	T-0010.01.01.17	CW Pump House E&M		0.16	0.16	0.16	Plant & Machinery	CW Pump House E&M	7.19 - Additional Capitalisation		Works included in Approved project Cost (T-0010.01.17)
35	T-0010.01.01.19	CW Chlorination and Chemical Dosing Sys		2.77	2.77	2.77	Plant & Machinery	CW Chlorination and Chemical Dosing Sys	7.19 - Additional Capitalisation		Works included in Approved project Cost (T-0010.01.19)
36	T-0010.01.01.22	ETP-E&M		0.72	0.72	0.72	Plant & Machinery	ETP-E&M	7.19 - Additional Capitalisation		Works included in Approved project Cost (T-0010.01.22)
37	T-0010.01.01.23	Cranes & Hoists - E&M		0.00	0.00	0.00	Plant & Machinery	Cranes & Hoists - E&M	7.19 - Additional Capitalisation		Works included in Approved project Cost (T-0010.01.23)
38	T-0010.01.01.24	Elevators		0.01	0.01	0.01	Plant & Machinery	Elevators	7.19 - Additional Capitalisation		Works included in Approved project Cost (T-0010.01.24)
39	T-0010.01.01.25	Common - E&M		0.24	0.24	0.24	Plant & Machinery	Common - E&M	7.19 - Additional Capitalisation		Works included in Approved project Cost (T-0010.01.25)
40	T-0010.01.02.19	Ash Handling Plant Civil		0.12	0.12	0.12	Other Civil Works	Ash Handling Plant Civil	7.19 - Additional Capitalisation		Works included in Approved project Cost (T-0010.02.19)
41	T-0010.01.03	Additional works under EPC		2.47	2.47	2.47	Plant & Machinery	Additional works under EPC	7.19 - Additional Capitalisation		Works included in Approved project Cost (T-0010.01.03)
42	T-0010.02.01	RITES		0.12	0.12	0.12	Marshalling Yard	RITES	7.19 - Additional Capitalisation		Works included in Approved project Cost (T-0010.02.01)
43	T-0010.02.03	Other Consultancy Services		0.03	0.03	0.03	Plant & Machinery	Other Consultancy Services	7.19 - Additional Capitalisation		Works included in Approved project Cost (T-0010.02.03)
44	T-0010.03.01	Other E&M works		0.07	0.07	0.07	Plant & Machinery	Other E&M works	7.19 - Additional Capitalisation		Works included in Approved project Cost (T-0010.03.01)
45	T-0010.03.02	IT and Telecom		0.00	0.00	0.00	Office Equipment	IT and Telecom	7.19 - Additional Capitalisation		Works included in Approved project Cost (T-0010.03.02)
46	T-0010.04.01	Civil Miscellaneous works		0.79	0.79	0.79	Other Civil Works	Civil Miscellaneous works	7.19 - Additional Capitalisation		Works included in Approved project Cost (T-0010.04.01)
47	T-0010.04.02	Railway siding & marshalling yard		1.94	0.95	0.95	Marshalling Yard	Railway siding & marshalling yard	7.19 - Additional Capitalisation		Works included in Approved project Cost (T-0010.04.02)
48	T-0010.04.09	Township & landscaping, colony STP etc.		0.08	0.08	0.08	Building	Township & landscaping, colony STP etc.	7.19 - Additional Capitalisation		Works included in Approved project Cost (T-0010.04.09)
49	T-0010.04.13	Semulator Building cum Training Institute		1.92	0.00	0.00	Building	Semulator Building cum Training Institute	7.19 - Additional Capitalisation		Works included in Approved project Cost (T-0010.04.13)
50	T-0010.06	CSR development charges		3.01	3.01	3.01	Other Civil Works	CSR development charges	7.19 - Additional Capitalisation		Works included in Approved project Cost (T-0010.06)
51	T-0010.07	Training Institute		3.76	0.00	0.00	Building	Training Institute	7.19 - Additional Capitalisation		Works included in Approved project Cost (T-0010.07)
52	T-0010.08.01	Back charges for E&M works		0.12	0.12	0.12	Plant & Machinery	Back charges for E&M works	7.19 - Additional Capitalisation		Works included in Approved project Cost (T-0010.08.01)

S. No.	FY	Name of the package (BTG, B&P, Civil Works etc.)	Name of the work	Total estimate of cost (Rs. Crore)	Capital expenditure during the year (Rs. Crore)	Capitalisation during the year (Rs. Crore)	Asset group under which the capitalisation has been accounted (Land, Buildings, etc.)	Scope of work	Relevant Clause of the TSERC MVT Regulation, 2023 under which the capitalisation has been claimed	Justification	Included in Approved Project Cost or Not
			Total 2022-23	82.38		84.29					
B	Current Year 2023-24 'n'										
1		C-0010.02	Construction of New Architectural Arch a	0.00	0.00	0.00	Other Civil Works	Construction of New Architectural Arch a	7.19 - Additional Capitalisation	Construction of Entrance Gate to CETD as the better entrance was through C-Colony.	Works not included in Approved project Cost (Non-Project cost)
2		T-0010.01.04.01	Supply and E&C of FGD	0.47	0.00	0.00	Plant & Machinery	Supply and E&C of FGD	7.19 - Additional Capitalisation		Works included in Approved project Cost (Project cost)
3		T-0010.01.04.02	Civil works of FGD	14.20	0.00	0.00	Building	Civil works of FGD	7.19 - Additional Capitalisation		Works included in Approved project Cost (Project cost)
4		T-0010.04.11	Establishing Training Institute KTPS-VII	0.09	0.00	0.00	Building	Establishing Training Institute KTPS-VII	7.19 - Additional Capitalisation	Execution of Balance works of KTPS - VII Stage	Works included in Approved project Cost (Project cost)
5		T-0010.07	Training Institute	0.51	0.00	0.00	Building	Training Institute	7.19 - Additional Capitalisation		Works included in Approved project Cost (Project cost)
6		T-0010.04.02	Railway siding & marshalling yard	2.05	0.00	0.00	Marshalling Yard	Railway siding & marshalling yard	7.19 - Additional Capitalisation		Works included in Approved project Cost (Project cost)
7		T-0010.04.13	Simulator Building cum Training Institute	0.41	0.00	0.00	Building	Simulator Building cum Training Institute	7.19 - Additional Capitalisation		Works included in Approved project Cost (Project cost)
			Total 2023-24	17.73		10.95					
C	Year 2024-25 (n+1)										
1		T-0010.01.01	BTG EPC contract (Supply and Erection)	18.95	18.05	18.05	Plant & Machinery	BTG EPC contract (Supply and Erection)	7.19 - Additional Capitalisation	BTG contract closing work and pending supply of balance mandatory spares. It is essential to complete the BTG contract as per the terms and conditions agreed by M/s BHEL, BHEL & TG GENCO are in regular consultation to close the punch points, finishing works and balance supply of spares.	Works included in Approved project Cost (Project cost)
2		T-0010.01.02	BTG EPC contract Civil works	1.60	1.60	1.60	Plant & Machinery	BTG EPC contract Civil works	7.19 - Additional Capitalisation	There was a provision towards Custom Duty & Exchange Rate variation towards supply of imported items by M/s BHEL towards KTPS - VII. BHEL has yet to submit the proposal for BTG GENCO verification.	Works included in Approved project Cost (Project cost)
3			CDV & ERV of BTG contract	25.00	25.00	25.00		BTG Contract		There was a provision towards Custom Duty & Exchange Rate variation towards supply of imported items by M/s BHEL towards KTPS - VII. BHEL has yet to submit the proposal for BTG GENCO verification.	Provision was included in Approved project Cost (Project cost)
4		T-0010.01.04.01	Supply and E&C of FGD	90.00	0.00	0.00	Plant & Machinery	BHEL	22 - Additional Capitalisation	The FGD plant construction is essential to run the KTPS-VII Stage as per CPO Norms.	Works included in Approved project Cost (Project cost)
5		T-0010.03	Disposal of ash slurry from power houses to northern ash pond	14.75	14.75	14.75	Plant & Machinery	Disposal of ash slurry from power houses to northern ash pond	22 - Additional Capitalisation	At the time of construction of KTPS - VII plant, it was decided to utilise the existing Northern Ash Pond - I and System was designed accordingly. Now as Northern Ash Pond - I was reaching its full capacity, adjacent Northern Ash Pond - II was proposed to utilise. The existing pumps has a total head of 16mWVC and are not sufficient for disposing the ash slurry to Northern Ash Pond-II which is further 3.2Kms distance from existing NAP. In this regard, the slurry disposal equipment along with higher capacity pumps and pipe line, related electrical equipment were proposed to install to cater the needs of ash disposal and uninterrupted generation to the highest capacity. Hence, the estimate proposed.	Works not included in Approved project Cost (Project cost)

S. No.	FY	Name of the package (BTG, BOP, Civil Works etc.)	Name of the work	Total estimate of cost* (Rs. Crore)	Capital expenditure during the year (Rs. Crore)	Capital sation during the year (Rs. Crore)	Asset group under which the capitalisation has been accounted (Land, Buildings, etc.)	Scope of work	Relevant Clause of the TSERC NVT Regulation, 2023 under which the capitalisation has been claimed	Justification	Included in Approved Project Cost or Not
6		Civil	KTPS Stage VII (1x300MW)-Civil-SD-II-Q&M-I-FGD System Design, Engineering, supply of all materials, labour, execution & erection of complete civil, structural, architectural works for the complete Flue Gas Desulfurization (FGD) system (EPC).		10.00	0.00	Building	BHEL	22 - Additional Capitalisation	The FGD Plant construction is essential to run the KTPS-VII Stage as per CPO Norms	Work included in Approved project Cost (Project cost)
7		Civil	KTPS Stage VII (1x300MW)-Civil-SD-II-Q&M-I-Construction of section stores for Boiler and C&M division near F&E area of KTPS Stage VII, Paloncha.		0.90	0.90	Building	Other civil miscellaneous works	22 - Additional Capitalisation	Estimate prepared based on V&E report. Work not included in Approved project Cost (Non Project Cost) (Project cost)	Work not included in Approved project Cost (Non Project Cost)
8		Civil	KTPS Stage VII (1x300MW)-Civil-SD-II-Q&M-I-Providing material storage shelves with partitions including AC room in storage shed No.1 at (1x300MW) KTPS VII Stage Paloncha		5.00	5.00	Building	Other civil miscellaneous works	22 - Additional Capitalisation	The Quarters in A colony, B colony & M colony of KTPS complex / Paloncha were constructed during 1960-70 and the same are in dilapidated condition due to ageing. Also, doors, windows, flooring, brick masonry in almost all quarters got damaged and several leakages were observed during rainy season. TSESCO is planning huge expenditure towards replacement of doors, windows, brick masonry, flooring, roof treatment for arresting leakage, painting etc. Hence, the estimate is recommended.	Work included in Approved project Cost (Non Project Cost)
9	T-0010.04.09		KTPS-VII stage (1x300MW) -Design, Soil investigation, Engineering, Construction of various types of Multi storied residential quarters including electrical works in full shape on EPC basis at Kothagudem Thermal Power Station 1 to IV stages, Paloncha, Bhadrachalam District		314.40	0.40	Building	CAPITAL works	22 - Additional Capitalisation	The existing Accounts office consist of one building (G+1) and AC sheet roofed sheds. These sheds are constructed in 1960 and most of the sheds are in dilapidated condition. There is no sufficient space cost for accommodating employees and files. Hence, the estimate is recommended.	Work not included in Approved project Cost (Non Project Cost)
10		Civil	TSESCO-KTPS VII Stage Construction of new Accounts Office Building with (G+1) floors in A Colony of (1x300MW) at KTPS-VII Stage, Paloncha, Bhadrachalam Dist.		5.00	5.00	Building	CAPITAL works	22 - Additional Capitalisation	The existing Accounts office consist of one building (G+1) and AC sheet roofed sheds. These sheds are constructed in 1960 and most of the sheds are in dilapidated condition. There is no sufficient space cost for accommodating employees and files. Hence, the estimate is recommended.	Work not included in Approved project Cost (Non Project Cost)
11		Civil	KTPS-VII Stage-Civil-Q&M-III-Asst. Pond -Section-I-Repairs to pedestals of Ash disposal pipelines at KTPS-VII Stage, Paloncha.		0.49	0.40	Other Civil Works	BHEL	22 - Additional Capitalisation	The existing pedestals are present. Work not included in Approved project Cost (Non Project Cost) (Project cost)	Work not included in Approved project Cost (Non Project Cost)
12		Civil	KTPS-Civil-Q&M-III-Asst. Pond- Providing Ash water recovery system for Northern Ash pond-I and Northern Ash pond-II.		10.00	10.00	Other Civil Works	Other civil miscellaneous works	22 - Additional Capitalisation	The clear ash water recovered from Ash Dyke is presently being discharged into Kothagudem Thermal Power Station Ash Pond-I. Ash Pond-I is not having proper plan for dewatering. Hence, the estimate is recommended. Tenders were invited under EPC basis in FY 2020-21 & 2021-22. However no bidder has turned up. TSESCO has been assessing to establish AWPS system to meet pollution norms. As such TSESCO has taken up Design and Engineering and Procurement, Erection & Commissioning works separately. Presently Engineering contract was awarded to M/s TATA consultancy.	Works included in Approved project Cost (Project cost)
13	T-0010.04.02		KTPS-VII-Civil-Q&M-III-Marshalling Yard-Construction of Control room and foundations for in Motion Weigh bridge, Pathways, Longitudinal drains cross drains and other miscellaneous works in Railway siding and Marshalling yard at (1x300MW) of KTPS-VII Stage at Paloncha, Bhadrachalam Kothagudem Dt.		6.30	6.30	Other Civil Works	Other civil miscellaneous works	22 - Additional Capitalisation	Due to non provision of CG pathways Longitudinal drains, cross drains in the Marshalling yard and in motion weigh bridge, the estimate is recommended. It is becoming very difficult for operation of Coal C&M tracks and movement of railway stalls & coal plant stalls during monsoon season and also railway authorities are not permitting the workers due to lack of Pathways and drains Hence the estimate is proposed. Also in Motion weigh bridge is essential to have proper measurement of coal receipts and it is compulsory requirement of a marshalling yard.	Works included in Approved project Cost (Project cost)

S. No.	PY	Name of the package (B.T.G., BOP, Civil Works, etc.)	Name of the work	Total estimate of cost (Rs. Crore)	Capital expenditure during the year (Rs. Crore)	Capitalisation during the year (Rs. Crore)	Asset group under which the capitalisation has been accounted (Land, Buildings, etc.)	Scope of work	Relevant Clause of the TSERC MYT Regulation, 2023 under which the capitalisation has been claimed	Justification	Included in Approved Project Cost or Not
14		Civil	KTPS-VII Stage (1x800MW) - CHP - Construction of Office building (G+3) in Coal Handling Plant (CHP) area of (1x800MW) KTPS-VII Stage, Paloncha, Bhadrachal, Kothagudem Dist		2.00	2.00	Building	CAPITAL works	22 - Additional Capitalisation	Construction of new building for providing of Office rooms and Store rooms in the vacant spaces available in front of MCC-I of Coal Handling Plant (CHP) area of (1x800MW) KTPS-VII Stage, Paloncha, Bhadrachal, Kothagudem Dist. Work not included in Approved Project Cost (Non Project Cost)	
15			Providing Roof top solar panels on various buildings		5.00	5.00	Other Civil Works	Other civil miscellaneous works	22 - Additional Capitalisation	In order to comply the condition stipulated in environmental clearance for (1x800MW) KTPS VII Stage by the MDEF & CC, New Delhi, the roof top solar panels are to be provided for harnessing solar power within the premises of the plant. TG GENCO has taken up the same with the designated State nodal agency TG REDCO. However after multiple site visits the proposal were not finalised by TG REDCO. So as to comply the MDEF conditions TG GENCO is now preparing tenders on its own for completing this work.	
16	T-0010.04.02		Railway siding & marshalling yard		16.75	0.30	Marshalling Yard	Railway siding & marshalling yard	7.19 - Additional Capitalisation	The railway siding & marshalling yard is required for transportation of raw coal required for the unit.	Work included in Approved Project Cost (Project cost)
17	T-0010.06		CSR Works		5.00	5.00	Civil works	CAPITAL works	22 - Additional Capitalisation	The expenditure incurred to be incurred for the sanctioned works under CSR has been released in phased manner as per the request of District Collector and as per the progress of work.	Work included in Approved Project Cost (Project cost)
Total 2024-25				533.14	100.35						
1	T-0010.01.04.01		Supply and E&C of FGD		140.00	281.43	Plant & Machinery	BHEL	22 - Additional Capitalisation	The FGD Plant construction is essential to run the KTPS-VII Stage as per GFO Norms.	Work included in Approved Project Cost (Project cost)
2			KTPS-Stage VII(1x800MW)-Development of green belt at KTPS Stage VII.		5.00	5.00	Other Civil Works	Other civil miscellaneous works	22 - Additional Capitalisation	Sample prepared based on the development of green belt in CHP area.	Work included in Approved Project Cost (Non Project Cost)
3			Laying of internal roads in different areas in plant premises & formation and widening of main road from Durga temple to Railway under bridge		3.53	3.53	Other Civil Works	Other civil miscellaneous works	22 - Additional Capitalisation	Proposal prepared based on the maintenance of CHP roads.	Work not included in Approved Project Cost (Non Project Cost)
4	T-0010.04.03		KTPS-VII stage (1x800MW) - Design, Soil Investigation, Engineering, Construction of various types of Multi storied residential quarters including electrical works in full stage on EPC basis at Kothagudem Thermal Power Station 1 to IV stages, Paloncha, Bhadrachal-Kothagudem Dist.		209.60	514.00	Building	CAPITAL works	22 - Additional Capitalisation	The Quarters in A colony, B colony & M colony of KTPS complex (Paloncha) were constructed during 1960-70 and the same are in dilapidated condition due to ageing. Also, doors, windows, flooring, brick masonry in almost all quarters got damaged and several leakages were observed during rainy season. TG GENCO is incurring huge expenditure towards repairs/replacement of doors, windows, brick masonry, flooring, roof treatment for arresting leakage, painting etc. Hence, the estimate is necessitated.	Work included in Approved Project Cost (Project cost)
5			Providing Roof top solar panels on various buildings		10.00	10.00	Other Civil Works	Other civil miscellaneous works	22 - Additional Capitalisation	In order to comply the condition stipulated in environmental clearance for (1x800MW) KTPS VII Stage by the MDEF & CC, New Delhi, the roof top solar panels are to be provided for harnessing solar power within the premises of the plant. TG GENCO has taken up the same with the designated State nodal agency TG REDCO. However after multiple site visits the proposal were not finalised by TG REDCO. So as to comply the MDEF conditions TG GENCO is now preparing tenders on its own for completing this work.	Work included in Approved Project Cost (Project cost)
6			TSGENCO-KTPS VII Stage-Construction of new Accounts Office Building with (G+1) floors in A Colony of (1x800MW) at KTPS-VII Stage, Paloncha, Bhadrachal, Kothagudem Dist		2.25	2.25	Building	CAPITAL works	22 - Additional Capitalisation	The existing Accounts office consist of one building (G+1) and AC sheet roofed sheds. These sheds are constructed in 1960 and most of the sheds are in dilapidated condition. There is no sufficient space for erecting employees and files. Hence, the estimate is necessitated.	Work not included in Approved Project Cost (Non Project Cost)

S. No.	PY	Name of the package (BTL, BCP, Civil Works etc.)	Name of the work	Total estimate of cost (Rs. Crore)	Capital expenditure during the year (Rs. Crore)	Capitalisation during the year (Rs. Crore)	Asset group under which the capitalisation has been accounted (Land, Building, etc.)	Scope of work	Relevant Clause of the TSERC MYT Regulation, 2023 under which the capitalisation has been claimed	Justification	Included in Approved Project Cost or Not
7		-	KTPS-VII Stage (1x800MW), CHP - Construction of Office building (G+2) in Coal Handling Plant (CHP) area of (1x800MW) KTPS-VII Stage, Paloncha, Eluru District, Kothagudem Dist.	2.15	2.15	2.15	Building	CAPITAL works	22 - Additional Capitalisation	Construction of new building for providing of Office works and Store rooms in the vacant space of Approved Project available in front of MCC-1 of Coal Handling Plant (CHP) area of (1x800MW) KTPS-VII Stage, Paloncha, Eluru District, Kothagudem Dist. To provide office accommodation to the 38 Nos. of general & shift engineers as & as a quadrate from all the C.H.P. structures i.e. Wagon Tippers, Truck -opper, Stacker-Cum-Reclaimers, Crusher House, MCC-2, etc.	Work not included in Approved Project Cost (Non-Project Cost)
8		-	KTPS-Civil & O&M (1x800MW) - Providing Ash water recovery system for Northern Ash pond-I and Northern ash pond-II.	12.00	12.00	12.00	Other Civil Works	Other civil miscellaneous works	22 - Additional Capitalisation	This civil ash water recovered from Ash Dike is presently being discharged into bottompans adjacent to plant COD. Ash water recovery system was proposed to recover the water and pump it back to power plant for utilisation. Ash water zero waste discharge concept is being implemented in the Tenders. The project is under progress. The estimated cost of the project is Rs. 12.00 Crores. The TS PCB has been issued to establish AWR system to meet pollution norms. As such TCO GENCO has taken up Design and Engineering and Procurement, Erection & Commissioning works separately. Presently, Engineering contract was awarded to M/s TATA consultancy.	Works included in Approved Project Cost (Project Cost)
9	T-0010.06	OSP Works	OSP Works	5.00	5.00	5.00	Civil works	CAPITAL works	22 - Additional Capitalisation	The expenditure incurred/ to be incurred for the 14 identified works under CSR has been released in phased manner as per the request of District Collector, 2023 and 2024.	Work included in Approved Project Cost (Project Cost)
Total 2023-24				359.53	635.38	635.38					
1	T-0010.01.04.01	Supply and E&C of FGD	Supply and E&C of FGD	9.00	9.00	9.00	Plant & Machinery	BHEL	22 - Additional Capitalisation	The FGD Plant construction is essential to run the KTPS-VII Stage as per CFO Norms	Works included in Approved Project Cost (Project Cost)
2	T-0010.04.09		KTPS-VII stage (1x800MW) -Design, Soil investigation, Engineering, Construction of various types of Multi storied residential quarters including electrical works in full shape on EPC basis at Kothagudem Thermal Power Station I to IV stages, Paloncha, Bhadrachal-Kothagudem Dist.	0.00	209.53	209.53	Building	CAPITAL works	22 - Additional Capitalisation	The Quarters in A-Block, B-Block & M colony of KTPS complex/ Paloncha were constructed during 1960-70 and the same are in dilapidated condition due to ageing. Also, doors, windows, flooring, back masonry in almost all quarters got damaged and several leakages were observed during rainy season. TSENGCO is recurring huge expenditure towards repair/replacement of doors, windows, brick masonry, flooring, roof treatment for arising leakage, painting etc. Hence, the estimate is Rs. 209.53 Crores.	Work included in Approved Project Cost (Project Cost)
3	-		Providing Roof top solar panels on various buildings	10.00	10.00	10.00	Other Civil Works	Other civil miscellaneous works	22 - Additional Capitalisation	In order to comply the condition stipulated by environmental clearance for (1x800MW) KTPS-VII Stage by the MOEF & CC, New Delhi, the roof top solar panels are to be provided for harnessing solar power within the premises of the plant.	Works included in Approved Project Cost (Project Cost)
4	T-0010.06	OSP Works	OSP Works	1.00	1.00	1.00	Civil works	CAPITAL works	22 - Additional Capitalisation	The expenditure incurred/ to be incurred for the 14 identified works under CSR has been released in phased manner as per the request of District Collector, 2023 and 2024.	Work included in Approved Project Cost (Project Cost)
Total 2023-27				14.00	223.53	223.53					
Year 2027-28 (n+1)											
1	T-0010.01.04.01	Supply and E&C of FGD	Supply and E&C of FGD	3.00	3.00	3.00	Plant & Machinery	BHEL	22 - Additional Capitalisation	The FGD Plant construction is essential to run the KTPS-VII Stage as per CFO Norms	Works included in Approved Project Cost (Project Cost)
Total 2023-28				3.00	3.00	3.00					

The following Proposals in respect of KTPS-VII Stage are as follows:

Sl.No.	Proposed works in Capital Investment plan for 5th control period (FY2024-29)	Amount (Crores)
01	Augmentation of capacity of ESP handling system	24.80
02	Ash slurry disposal from power house to Northern Ash pond-II	7.50
03	Boiler maintenance division critical equipment	14.80
04	Upgrading the Electrical System of ICHP	5.00
	TOTAL	52.10

i) ESP ash evacuation system:

Proposals were submitted to head quarters for enhancement of ESP ash evacuation system capacity at least by 100TPH (or) as per adequacy.

Accordingly, purchase order was placed on M/s.BHEL,ISG,Bengaluru for Rs 13,69,500/- dated:12.07.2023 for providing Engineering consultancy services for preparation of detailed report for Augmentation of ESP ash evacuation system in KTPS-VII stage, with a duration of one month for delivery of the subject service. After submission of detailed report by M/s.BHEL further decision has to be taken for floating of tender and finalization of an agency for taking up the subject work. The tentative expenditure for the subject work would be approximately **Rs.25crores**,[Actual expenditure can be known only after finalisation of agency] spread over from 2023-24 to 2025-26, and now the same is proposed under capital budget for 5th control period FY(2024-29) and the details are enclosed in annexure.

Justification: To have hassle free operation and ESP ash handling augmentation increases the generation to its full capacity while firing with poor/lower grade coal quality and also reduces equipment wear and tear, breakdowns, environment pollution, auxiliary power consumption and operational cost to the considerable extent.

ii) Disposal of Ash slurry from power house to Northern Ash pond-II: LOI for the work of raising of Northern Ash pond-II from EL (+) 104.00M to EL (+) 109.00M including decantation wells and barrels at KTPS-VII stage was issued to M/s.HCPL-KAVERI (JV) on 18.08.2023 with condition that the work shall be completed within 12 months from the date of taking over of site.

Accordingly the list of all equipment, materials, works which are required for extension of existing line from Northern Ash pond-I to II are identified and initially an indent was prepared and sent to CE/Civil/Thermal/VS/Hyd for procurement of 300NB MS ERW pipes, 9.52MM thick for a quantity of 8500 meters, with a request to allocate budget of **Rs.5.10 crores** from Ash funds.

CE/Civil Thermal informed Vide, Lr.No:-CE/C/Thermal/SE/C/TCD-I/F.Steel/D.No:31/23, Dt:01/07/2023 that as per clause 15 & 16 of MYT-GEN-Reg 1 of 2019 TSERC, the income from the sale of fly ash was transferred to TS Discoms in FY2022-23 through Tariff, so as to reduce tariff burden on the consumers .

For taking up the above subject work and procurement of materials a budget of **Rs 12.50crores** was required tentatively and now the same is proposed under capital budget for 5th control period (FY2024-29) and the details are enclosed in annexure.

Justification: There are total 12 No's of Ash slurry pumps (03 series, each series have 4 Nos of pumps connected in series) are existing in Wet ash handling system of KTPS-VII Stage for Wet Ash evacuation from Ash slurry pumphouse to Northern Ash pond – I which is 9 KMs distance. Now, it is proposed to extend the Ash slurry disposal lines from Northern Ash pond – I to Northern Ash pond – II which is 3.2 KMs from the existing discharge point.

iii) Boiler Maintenance division : Further certain critical equipment pertaining to Boiler Maintenance division are proposed for procurement under the capital investment plan which are amounting to **Rs.14.80 crores** tentatively and the details are enclosed in annexure.

iv) Revised proposal of CHP Circle :

Upgrading the Electrical System of ICHP: ICHP was designed 36 years back for feeding the unit bunkers (1 to 8) of KTPS(O&M). After phasing out of all the units of of KTPS(O&M), ICHP is being utilized for unloading the coal wagons (Both BOX-N & BOBR Type) for storage shed and reclaiming the stored coal as and when required especially during the rainy season for

feeding dry coal to prevent the Coal jams through 30C conveyor which was erected and commissioned by M/s.HAMTEK P.O. dtd.:28.08.2020.

Justification: The existing electrical system was very old and served beyond its life expectancy. At present there are no spares available for HT and LT Breakers, Protection Relays, Wagon Tipplers, Track Hopper, 2MVA HT Transformers and Control System which are obsolete also.

Hence, it is proposed to update the electrical system of ICHP with suitable and available switch gear and equipments and it is required to procure certain new equipments (like 11KV/6.6KV transformers and connected power cables) in upcoming five years for un interrupted coal feeding to Bunkers of UNIT-12(1X800 MW) from ICHP.

The approximate amount to carry out the above said works for Upgrading the Electrical System of ICHP is Rs.5,00,00,000/-

In view of the above, it is requested to include the following revised proposals of KTPS-VII Stage under capital investment plan for 5th control period (FY2024-29) for onward submission to before Hon'ble TSERC for filing in Mid term review petition for capital investment plan of 5th control period (FY:2024-29) or at an appropriate time.

Sl.No.	Proposed works in Capital Investment plan for 5th control period (FY2024-29)	Amount (Crores)
01	Augmentation of capacity of ESP handling system	24.80
02	Ash slurry disposal from power house to Northern Ash pond-II	7.50
03	Boiler maintenance division critical equipment	14.80
04	Upgrading the Electrical System of ICHP	5.00
	TOTAL	52.10

Justification for Procurement of Hydraulic mobile crane for KTPS-VII Stage:

The departmental 1 No. 8Ton and 1 NO. 3Ton Hydraulic crane bearing Reg.Nos.AA0-9062 & AP20U -163 respectively available under the control of Divisional Engineer/S&S/KTPS-VII Stage are very old and these were purchased more than 40 years age. Due to ageing the conditions of the cranes are not good and frequently requiring major repairs. The model of the said cranes is also outdated & required spares are also not available in the market and frequent troubles are being faced due to ageing factor. Hence, lot of expenditure has to be put in for making these cranes for utilization. During the breakdown period lot of inconvenience is being faced for loading and unloading of heavy materials and carrying out daily routine works at central stores/KTPS-VII Stage. Further these cranes are not serviceable and operating personnel find it very difficult and unsafe to operate and hence need to be disposed off in a phased manner so that the works are not affected.

During January 2023 while submitted Capital investment plan proposals for KTPS-VII, there was no proposal for procurement of mobile crane as the existing 02 mobile cranes of capacities 3Ton and 8Ton were running and being utilized for the works. There after escorts repairs have increased abruptly and sometimes escorts were under repair up to one month due to non-availability of some spare parts. As these escort cranes are very much essential at Central Stores to carry out daily routine works and for utilization for various works at KTPS-VII Stage.

In view of the above, the procurement of 12Ton Hydraulic mobile crane for Rs.23.50 lakhs (excluding of GST) based on present market.

<TGGENCO>
<KTPS-VII>

Form 3.2: Financing of Additional Capitalisation

S. No.	Particulars	FY 2022-23 Actual	FY 2023-24 Provisional	Control Period							
				FY 2024-25		FY 2025-26		FY 2026-27		FY 2027-28	FY 2028-29
1	Additional capitalisation	72.33	14.73	Projected	156.67	Projected	651.93	Projected	0.00	Projected	0.00
2	Financing Details										
	Loan 1	50.63	10.31		109.67		456.35		0.00		0.00
	Loan 2										
	...										
	Total Loan	50.63	10.31		109.67		456.35		0.00		0.00
3	Equity										
4	Internal Resources	21.70	4.42		47.00		195.58		0.00		0.00
5	Others (Please Specify)										
6	Total (2+3+4+5)	72.33	14.73		156.67		651.93		0.00		0.00

Form 4: Fixed Assets & Depreciation

(Rs. Crore)

FY 2022-23

S.No.	Asset Group	A/c Code	Rate of Depreciation	Gross fixed Assets			Provisions for depreciation				Net fixed Assets	
				At the beginning of the year	Additions during the year	Adjust. & deductions	At the end of the year	Cumulative upto the beginning of the year	Additions during the year	Adjust. during the year	Cumulative at the end of the year	At the beginning of the year
1	Land & Land Rights	1000	0.00%	6.30	-	0.00	6.30	0.00	0.00	0.00	6.30	6.30
2	Buildings	1100	3.34%	206.59	-	0.00	206.59	30.55	6.90	0.00	37.45	176.03
3	Lines and Cable Network	1200	5.28%	348.91	1.58	0.00	350.49	62.08	18.46	0.00	80.55	286.83
4	Plant & Machinery	1300	5.28%	4133.21	50.02	0.00	4183.23	588.64	219.55	0.00	808.20	3544.57
5	Capital Spares	1400	5.28%	0.00	6.70	0.00	6.70	0.00	0.18	0.00	0.18	0.00
6	Hydraulic Works	1500	5.28%	246.80	0.16	0.00	246.96	43.39	13.04	0.00	56.42	203.41
7	Other Civil Works	1600	3.34%	68.26	13.49	0.00	81.76	24.95	2.51	0.00	27.45	43.32
8	Vehicles	1700	9.50%	6.06	0.28	0.00	6.34	4.84	0.59	0.00	5.43	1.21
9	Furniture& Fixtures	1800	6.33%	1.58	-	0.00	1.58	1.24	0.10	0.00	1.34	0.35
10	Computers	1900	15.00%	2.99	0.05	0.00	3.04	2.52	0.45	0.00	2.97	0.47
11	Office Equipment	2100	6.33%	1.37	0.05	0.00	1.42	1.00	0.09	0.00	1.08	0.37
	Intangible assets		0.00%	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Total		5.18%	5022.07	72.33	0.00	5094.40	759.21	261.87	0.00	1021.07	4262.87
				5022.07	72.33	0.00	5094.40	759.21	261.87	0.00	1021.07	4073.33

FY 2023-24

S.No.	Asset Group	A/c Code	Rate of Depreciation	Gross fixed Assets			At the end of the year	Provisions for depreciation				Net fixed Assets	
				At the beginning of the year	Additions during the year	Adjust. & deductions		Cumulative upto the beginning of the year	Additions during the year	Adjust. during the year	Cumulative at the end of the year	At the beginning of the year	At the end of the year
1	Land & Land Rights	1000	0.00%	6.30	-	-	6.30	0.00	0.00	-	0.00	6.30	6.30
2	Buildings	1100	3.34%	206.59	10.80	-	217.39	37.45	7.08	-	44.53	169.13	172.86
3	Lines and Cable Network	1200	5.28%	350.49	-	-	350.49	80.55	18.51	-	99.05	269.94	251.43
4	Plant & Machinery	1300	5.28%	4183.23	2.65	-	4185.88	808.20	220.94	-	1029.14	3375.04	3156.74
5	Capital Spares	1400	5.28%	6.70	0.54	-	7.23	0.18	0.37	-	0.54	5.52	6.69
6	Hydraulic Works	1500	5.28%	246.96	-	-	246.96	56.42	13.04	-	69.46	190.54	177.50
7	Other Civil Works	1600	3.34%	81.76	-	-	81.76	27.45	2.73	-	30.18	54.31	51.58
8	Vehicles	1700	9.50%	6.34	-	-	6.34	5.43	0.60	-	6.04	0.91	0.30
9	Furniture & Fixtures	1800	6.33%	1.58	0.26	-	1.84	1.34	0.11	-	1.44	0.25	0.39
10	Computers	1900	15.00%	3.04	0.12	-	3.16	2.97	0.47	-	3.43	0.07	-0.27
11	Office Equipment	2100	6.33%	1.42	0.37	-	1.79	1.08	0.10	-	1.19	0.34	0.60
	Total		5.17%	5094.40	14.73	0.00	5109.14	1021.07	263.95	0.00	1285.02	4073.33	3824.12

FY 2024-25													
S.No.	Asset Group	A/c Code	Rate of Depreciation	Gross fixed Assets			Provisions for depreciation				Net fixed Assets		
				At the beginning of the year	Additions during the year	Adjust. & deductions	At the end of the year	Cumulative upto the beginning of the year	Additions during the year	Adjust. during the year	Cumulative at the end of the year	At the beginning of the year	At the end of the year
1	Land & Land Rights	1000	0.00%	6.30	0.00		6.30	0.00	0.00		0.00	6.30	6.30
2	Buildings	1100	2.92%	217.39	0.00		217.39	44.53	5.42		49.95	172.86	167.44
3	Lines & Cables	1200	3.07%	350.49	0.00		350.49	99.05	9.68		108.74	251.43	241.75
4	Plant & Machinery	1300	3.07%	4185.88	99.68		4285.57	1029.14	147.95		1177.09	3156.74	3108.48
5	Capital Spares	1400	3.07%	7.23	0.00		7.23	0.54	0.18		0.73	6.69	6.50
6	Hydraulic Works	1500	3.07%	246.96	0.00		246.96	69.46	6.82		76.29	177.50	170.68
7	Other Civil Works	1600	2.92%	81.76	53.25		135.01	30.18	3.42		33.60	51.58	101.40
8	Vehicles	1700	33.00%	6.34	0.00		6.34	6.04	0.23		6.27	0.30	0.07
9	Furniture & Fixtures	1800	13.01%	1.84	0.00		1.84	1.44	0.08		1.52	0.39	0.31
10	Computers	1900	10.00%	3.16	0.00		3.16	3.43	0.05		3.48	-0.27	-0.32
11	Office Equipment	2100	13.01%	1.79	0.00		1.79	1.19	0.17		1.35	0.60	0.43
	Intangible assets	0	20.00%	0.00	3.74		3.74	0.00	0.37		0.37	0.00	3.36
	Total		3.36%	5109.14	156.67	0.00	5265.81	1285.02	174.38	0.00	1459.40	3824.12	3806.41

FY 2025-26													
S.No.	Asset Group	A/c Code	Rate of Depreciation	Gross fixed Assets			Provisions for depreciation				Net fixed Assets		
				At the beginning of the year	Additions during the year	Adjust. & deductions	At the end of the year	Cumulative upto the beginning of the year	Additions during the year	Adjust. during the year	Cumulative at the end of the year	At the beginning of the year	At the end of the year
1	Land & Land Rights	1000	0.00%	6.30	0.00		6.30	0.00	0.00		0.00	6.30	6.30
2	Buildings	1100	3.34%	217.39	0.00		217.39	49.95	5.42		55.37	167.44	162.02
3	Lines and Cable Network	1200	5.28%	350.49	0.00		350.49	108.74	9.68		118.42	241.75	232.07
4	Plant & Machinery	1300	5.28%	4285.57	321.06		4606.62	1177.09	147.32		1324.40	3108.48	3282.22
5	Capital Spares	1400	5.28%	7.23	0.00		7.23	0.73	0.18		0.91	6.50	6.32
6	Hydraulic Works	1500	5.28%	246.96	0.00		246.96	76.29	6.82		83.11	170.68	163.86
7	Other Civil Works	1600	3.34%	135.01	330.87		465.88	33.60	12.03		45.63	101.40	420.25
8	Vehicles	1700	9.50%	6.34	0.00		6.34	6.27	0.00		6.27	0.07	0.07
9	Furniture & Fixtures	1800	6.33%	1.84	0.00		1.84	1.52	0.00		1.52	0.31	0.31
10	Computers	1900	15.00%	3.16	0.00		3.16	3.48	0.00		3.48	-0.32	-0.32
11	Office Equipment	2100	6.33%	1.79	0.00		1.79	1.35	0.01		1.36	0.43	0.43
	Intangible Assets	2200	0.00%	3.74	0.00		3.74	0.37	0.75		1.12	3.36	2.62
	Total		3.26%	5265.81	651.93	0.00	5917.74	1459.40	182.21	0.00	1641.61	3806.41	4276.13

FY 2026-27													
S.No.	Asset Group	A/c Code	Rate of Depreciation	Gross fixed Assets			Provisions for depreciation				Net fixed Assets		
				At the beginning of the year	Additions during the year	Adjust. & deductions	At the end of the year	Cumulative upto the beginning of the year	Additions during the year	Adjust. during the year	Cumulative at the end of the year	At the beginning of the year	At the end of the year
1	Land & Land Rights	1000	0.00%	6.30	0.00		6.30	0.00		0.00		6.30	6.30
2	Buildings	1100	3.34%	217.39	0.00		217.39	55.37	5.42		60.79	162.02	156.60
3	Lines and Cable Network	1200	5.28%	350.49	0.00		350.49	118.42	9.68		128.10	232.07	222.39
4	Plant & Machinery	1300	5.28%	4806.62	220.64		4927.26	1324.40	174.47		1498.87	3282.22	3326.39
5	Capital Spares	1400	5.28%	7.23	0.00		7.23	0.91	0.18		1.10	6.32	6.13
6	Hydraulic Works	1500	5.28%	246.96	0.00		246.96	83.11	6.82		89.93	162.96	157.03
7	Other Civil Works	1600	3.34%	465.88	2.96		468.84	45.63	19.40		65.04	420.25	403.81
8	Vehicles	1700	9.50%	6.34	0.00		6.34	6.27	0.00		6.27	0.07	0.07
9	Furniture & Fixtures	1800	6.33%	1.84	0.00		1.84	1.52	0.00		1.52	0.31	0.31
10	Computers	1900	15.00%	3.16	0.00		3.16	3.48	0.00		3.48	-0.32	-0.32
11	Office Equipment	2100	6.33%	1.79	0.00		1.79	1.36	0.00		1.36	0.43	0.43
	Intangible Assets	2200	0.00%	3.74	0.00		3.74	1.12	0.75		1.87	2.62	1.87
	Total		3.59%	5917.74	223.60	0.00	6141.34	1641.61	216.73	0.00	1858.33	4276.13	4283.00
				5917.74	223.60	0.00	6141.34	1641.61	216.73	0.00	1858.33	4276.13	4283.00

S.No.	Asset Group	A/c Code	Rate of Depreciation	Gross fixed Assets			At the end of the year	Provisions for depreciation				Net fixed Assets	
				At the beginning of the year	Additions during the year	Adjust. & deductions		Cumulative upto the beginning of the year	Additions during the year	Adjust. during the year	Cumulative at the end of the year	At the beginning of the year	At the end of the year
1	Land & Land Rights	1000	0.00%	6.30	0.00		6.30	0.00	0.00		0.00	6.30	6.30
2	Buildings	1100	3.34%	217.39	0.00		217.39	60.79	5.42		66.21	156.60	151.18
3	Lines and Cable Network	1200	5.28%	350.49	0.00		350.49	128.10	9.68		137.78	222.39	212.70
4	Plant & Machinery	1300	5.28%	4827.26	26.31		4853.57	1498.87	186.96		1685.83	3328.39	3167.74
5	Capital Spares	1400	5.28%	7.23	0.00		7.23	1.10	0.18		1.28	6.13	5.95
6	Hydraulic Works	1500	5.28%	246.96	0.00		246.96	89.93	6.82		96.75	157.03	150.21
7	Other Civil Works	1600	3.34%	468.84	3.73		472.57	65.04	19.49		84.53	403.81	388.05
8	Vehicles	1700	9.50%	6.34	0.00		6.34	6.27	0.00		6.27	0.07	0.07
9	Furniture & Fixtures	1800	6.33%	1.84	0.00		1.84	1.52	0.00		1.52	0.31	0.31
10	Computers	1900	15.00%	3.16	0.00		3.16	3.48	0.00		3.48	-0.32	-0.32
11	Office Equipment	2100	6.33%	1.79	0.00		1.79	1.36	0.00		1.36	0.43	0.43
	Intangible Assets	2200	0.00%	3.74	0.00		3.74	1.87	0.75		2.62	1.87	1.12
	Total		3.72%	6141.34	30.04	0.00	6171.38	1858.33	229.30	0.00	2087.64	4283.00	4083.74
				6141.34	30.04	0.00	6171.38	1858.33	229.30	0.00	2087.64	4283.00	4083.74

FY 2028-29													
S.No.	Asset Group	A/c Code	Rate of Depreciation	Gross fixed Assets			Provisions for depreciation				Net fixed Assets		
				At the beginning of the year	Additions during the year	Adjust. & deductions	At the end of the year	Cumulative upto the beginning of the year	Additions during the year	Adjust. during the year	Cumulative at the end of the year	At the beginning of the year	At the end of the year
1	Land & Land Rights	1000	0.00%	6.30	0.00		6.30	0.00		0.00		6.30	6.30
2	Buildings	1100	3.34%	217.39	0.00		217.39	66.21	5.42		71.63	151.18	145.76
3	Lines and Cable Network	1200	5.28%	350.49	0.00		350.49	137.78	9.68		147.47	212.70	203.02
4	Plant & Machinery	1300	5.28%	4853.57	0.00		4853.57	1685.83	188.20		1874.03	3167.74	2879.54
5	Capital Spares	1400	5.28%	7.23	0.00		7.23	1.28	0.18		1.47	5.95	5.76
6	Hydraulic Works	1500	5.28%	246.96	0.00		246.96	96.75	6.82		103.58	150.21	143.39
7	Other Civil Works	1600	3.34%	472.57			472.57	84.53	20.05		104.57	388.05	368.00
8	Vehicles	1700	9.50%	6.34	0.00		6.34	6.27	0.00		6.27	0.07	0.07
9	Furniture & Fixtures	1800	6.33%	1.84	0.00		1.84	1.52	0.00		1.52	0.31	0.31
10	Computers	1900	15.00%	3.16	0.00		3.16	3.48	0.00		3.48	-0.32	-0.32
11	Office Equipment	2100	6.33%	1.79	0.00		1.79	1.36	0.00		1.36	0.43	0.43
	Intangible Assets	2200	0.00%	3.74	0.00		3.74	2.62	0.75		3.36	1.12	0.37
	Total		3.74%	6171.38	0.00	0.00	6171.38	2087.64	231.11	0.00	2318.74	4083.74	3852.63

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Interest and finance charges on loan

A. Normative Loan

S. No.	Particulars	Year (n-1) (FY 2022-23)			Current Year 'n' (FY 2023-24)		Control Period			
		MYT/Tariff Order	Apr-Mar Audited	True-Up requirement Claimed	MYT/Tariff Order Approved	Provisional	FY 2024-25 Projected	FY 2025-26 Projected	FY 2026-27 Projected	FY 2027-28 Projected
1	Opening Balance of Gross Normative Loan	3515.45	3515.45	3515.45		3556.08	3576.39	3586.08	4142.41	4298.93
2	Cumulative Repayment till the year	759.21	759.21	759.21		1021.08	1285.03	1469.41	1541.62	1858.35
3	Opening Balance of Net Normative Loan	2756.24	2756.24	2756.24		2535.00	2291.36	2116.67	2600.79	2440.58
4	Less: Reduction of Normative Loan due to retirement or replacement of assets									
5	Addition of Normative Loan due to capitalisation during the year	50.63	50.63	50.63		10.31	108.67	455.35	136.52	21.03
6	Repayment of Normative Loan during the year	253.40	253.40	251.87		263.55	174.39	182.21	216.73	226.30
7	Closing Balance of Net Normative Loan	2553.47	2545.00	2545.00		2291.36	2226.95	2500.79	2440.88	2232.31
8	Opening Balance of Gross Normative Loan	3111.58	3104.21	3104.21		3312.44	3311.88	3960.20	4082.21	4090.66
9	Average Balance of Net Normative Loan	2654.85	2650.62	2650.62		2416.18	2259.01	2363.72	2470.69	2338.45
10	Weighted average Rate of Interest on actual Loans (%)	9.97	9.97	9.97		10.30	10.30	10.31	10.31	10.31
11	Interest	264.69	264.27	264.27		248.07	232.68	243.70	254.73	240.89
12	Finance charges									
13	Total Interest & Finance charges	275.05	284.27	284.27		263.85	232.68	243.70	284.73	240.89
14	Note									

1 In case actual loan is more than 75% the modification in the formula need to be done accordingly.

S. No.	Particulars	Apr-Mar (2022)			Apr-Mar (2023)		n-1 (2024)		n-2 (2025-26)		n-3 (2026-27)		n-4 (2027-28)		n-5 (2028-29)	
		Audited	Estimated	23	24	25	26	27	28	29	30	31	32	33	34	35
1	Loan 1-REC															
	Opening Balance of Loan	3238.33	2904.75	2904.75	2904.75	2904.75	2904.75	2904.75	2904.75	2904.75	2904.75	2904.75	2904.75	2904.75	2904.75	2904.75
	Addition of Loan during the year	16.78	126.62	126.62	126.62	126.62	126.62	126.62	126.62	126.62	126.62	126.62	126.62	126.62	126.62	126.62
	Loan Repayment during the year	350.36	356.29	356.29	356.29	356.29	356.29	356.29	356.29	356.29	356.29	356.29	356.29	356.29	356.29	356.29
	Closing Balance of Loan	2904.75	2975.28	2975.28	2975.28	2975.28	2975.28	2975.28	2975.28	2975.28	2975.28	2975.28	2975.28	2975.28	2975.28	2975.28
	Average Loan Balance	3078.55	2975.28	2975.28	2975.28	2975.28	2975.28	2975.28	2975.28	2975.28	2975.28	2975.28	2975.28	2975.28	2975.28	2975.28
	Applicable Interest Rate (%)	9.97	10.30	10.30	10.30	10.30	10.30	10.30	10.30	10.30	10.30	10.30	10.30	10.30	10.30	10.30
	Interest	308.83	280.66	280.66	280.66	280.66	280.66	280.66	280.66	280.66	280.66	280.66	280.66	280.66	280.66	280.66
	Finance charges	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Total Interest & Finance charges	308.83	280.66	280.66	280.66	280.66	280.66	280.66	280.66	280.66	280.66	280.66	280.66	280.66	280.66	280.66
2	Loan 2-REC-Additional loan															
	Opening Balance of Loan	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Addition of Loan during the year	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Loan Repayment during the year	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Closing Balance of Loan	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Average Loan Balance	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Applicable Interest Rate (%)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Interest	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Finance charges	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Total Interest & Finance charges	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3	Loan 3-Indian Bank - FGO															
	Opening Balance of Loan	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Addition of Loan during the year	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Loan Repayment during the year	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Closing Balance of Loan	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Average Loan Balance	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Applicable Interest Rate (%)	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Interest	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Finance charges	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Total Interest & Finance charges	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Total	308.83	280.66	280.66	280.66	280.66	280.66	280.66	280.66	280.66	280.66	280.66	280.66	280.66	280.66	280.66
	Opening Balance of Loan	3238.33	2904.75	2904.75	2904.75	2904.75	2904.75	2904.75	2904.75	2904.75	2904.75	2904.75	2904.75	2904.75	2904.75	2904.75
	Addition of Loan during the year	16.78	126.62	126.62	126.62	126.62	126.62	126.62	126.62	126.62	126.62	126.62	126.62	126.62	126.62	126.62
	Loan Repayment during the year	350.36	356.29	356.29	356.29	356.29	356.29	356.29	356.29	356.29	356.29	356.29	356.29	356.29	356.29	356.29
	Closing Balance of Loan	2904.75	2975.28	2975.28	2975.28	2975.28	2975.28	2975.28	2975.28	2975.28	2975.28	2975.28	2975.28	2975.28	2975.28	2975.28
	Average Loan Balance	3078.55	2975.28	2975.28	2975.28	2975.28	2975.28	2975.28	2975.28	2975.28	2975.28	2975.28	2975.28	2975.28	2975.28	2975.28
	Applicable Interest Rate (%)	9.97	10.30	10.30	10.30	10.30	10.30	10.30	10.30	10.30	10.30	10.30	10.30	10.30	10.30	10.30
	Interest	308.83	280.66	280.66	280.66	280.66	280.66	280.66	280.66	280.66	280.66	280.66	280.66	280.66	280.66	280.66
	Finance charges	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Total Interest & Finance charges	308.83	280.66	280.66	280.66	280.66	280.66	280.66	280.66	280.66	280.66	280.66	280.66	280.66	280.66	280.66

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Form-6: Interest on working capital

S. No.	Particulars	FY 2022-23			FY 2023-24		Control Period					(Rs. Crore)	
		MYT/Tariff Order	Apr-Mar	True-Up requirement	MYT/Tariff Order	Apr - Mar	FY 2024-25	FY 2025-26	FY 2026-27	FY 2027-28	FY 2028-29		
		Approved	Audited	Claimed	Approved	Provisional	Projected	Projected	Projected	Projected	Projected		
1	Cost of coal, towards stock	100.36	99.99	99.99	0.00	160.30	110.82	113.04	115.30	117.60	119.96		
2	Cost of coal for generation	100.36	99.99	99.99	0.00	160.30	166.23	169.56	172.95	176.41	179.93		
3	Cost of secondary fuel oil	2.27	4.87	4.87	0.00	2.33	1.63	1.66	1.69	1.73	1.76		
4	O&M expenses	33.61	40.97	40.97	40.42	45.69	47.41	50.04	53.11	56.08	59.11		
5	Maintenance spares	80.66	98.32	98.32	97.00	109.65	51.09	52.66	59.18	61.41	61.71		
6	Receivables ¹	419.11	440.37	440.37	559.95	572.03	419.89	434.31	453.55	464.76	471.68		
	Less:												
7	Payables for Fuels ²	101.47	102.39	102.39	0.00	161.45	167.83	171.19	174.62	178.11	181.67		
8	Total Working Capital requirement	634.88	682.11	682.11	697.36	888.85	629.24	650.07	681.16	699.88	712.48		
9	Interest rate	8.55%	9.44%	9.44%	8.55%	10.08%	10.15%	10.15%	10.15%	10.15%	10.15%		
10	Interest on working capital	59.87	64.38	64.38	64.55	89.60	63.87	65.98	69.14	71.04	72.32		

Note:

1 In case actual availability is less or more than normative value, the modification in the formula need to be done accordingly.

3. KTPS-VII

TGGENCO
KTPS-VII

Form-7: Return on Equity

S. No.	Particulars	FY 2022-23			FY 2023-24		Control Period					(Rs. Crore)
		MYT/Tariff Order	Apr-Mar	True-Up requirement	MYT/Tariff Order	Apr - Mar	FY 2024-25	FY 2025-26	FY 2026-27	FY 2027-28		
		Approved	Audited	Claimed	Approved	Provisional	Projected	Projected	Projected	Projected		
1	Regulatory Equity at the beginning of the year	1506.62	1506.62	1506.62		1528.32	1532.74	1579.74	1775.32	1842.40	1851.41	
2	Capitalisation during the year		72.33	72.33		14.73		156.67	651.93	223.60	30.04	
3	Equity portion of capitalisation during the year	0.00	21.70	21.70		4.42		47.00	195.58	67.08	9.01	
4	Reduction in Equity Capital on account of retirement / replacement of assets											
5	Regulatory Equity at the end of the year	1506.62	1528.32	1528.32	0.00	1532.74	1579.74	1775.32	1842.40	1851.41	1851.41	
	Rate of Return on Equity											
6	Base rate of Return on Equity	15.50%	15.50%	15.50%	15.50%	15.50%	15.50%	15.50%	15.50%	15.50%	15.50%	
7	Effective Income Tax rate	17.47%	25.17%	25.17%	17.47%	25.17%	25.17%	25.17%	25.17%	25.17%	25.17%	
8	Rate of Return on Equity	18.78%	20.71%	20.71%	18.78%	20.71%	20.71%	20.71%	20.71%	20.71%	20.71%	
	Return on Equity Computation											
9	Return on Regulatory Equity at the beginning of the year	282.97	312.07	312.07	0.00	315.56	317.48	327.21	367.72	381.62	383.48	
10	Return on Regulatory Equity addition during the year	0.00	2.25	2.25	0.00	0.46	4.87	20.26	6.95	0.93	0.93	
11	Total Return on Equity	282.97	314.31	314.31	282.97	317.02	322.34	347.47	374.67	382.55	383.48	

Note:

1 In case actual loan is more than 75%, the modification in the formula need to be done accordingly.

**TGGENCO
KTPS-VII**

Form-8: Non-Tariff Income

S. No.	Particulars	Year (n-1) (FY 2022-23)				Current Year 'n' (FY 2023-24)		Control Period								(Rs. Crore)
		MYT/Tariff Order	Apr-Mar	True-Up requirement	MYT/Tariff Order	Apr - Mar	Provisional	FY 2024-25	FY 2025-26	FY 2026-27	FY 2027-28	FY 2028-29				
		Approved	Audited	Claimed									Approved			
1	Income from rent of land or buildings		0.56	0.56			0.62	0.56	0.59	0.61	0.63	0.66				
2	Net income from sale of de-capitalised assets		-	-			-	-	-	-	-	-	-	-		
3	Income from sale of scrap		60.49	60.49			57.86	0.01	0.01	0.01	0.01	0.01	0.01	0.01		
4	Income from statutory investments		-	-			-	-	-	-	-	-	-	-		
5	Interest income on advances to suppliers/ contractors		-	-			-	-	-	-	-	-	-	-		
6	Income from rental from staff quarters		1.03	1.03			0.34	1.03	1.07	1.11	1.16	1.20				
7	Income from rental from contractors		-	-			-	-	-	-	-	-	-	-		
8	Income from hire charges from contractors and others		0.01	0.01			0.03	0.01	0.01	0.01	0.01	0.01	0.01	0.01		
9	Income from sale of ash/rejected coal		13.87	13.87			8.00	8.21	8.54	8.89	9.24	9.61				
10	Income from advertisements		-	-			-	-	-	-	-	-	-	-		
11	Income from sale of tender documents		0.05	0.05			0.04	0.05	0.06	0.06	0.06	0.06	0.06	0.06		
12	...		2.18	2.18			0.96	0.96	1.00	1.04	1.08	1.12	1.12	1.12		
	Total	4.82	78.19	78.19			67.85	10.83	11.27	11.72	12.19	12.67				

Form-10: Operational parameters

S. No.	Particulars	Units	Year (n-1) (FY 2022-23)			Current Year 'n' (FY 2023-)		Control Period					Remarks	
			MYT/Tariff Order	Apr-Mar	True-Up requirement	MYT/Tariff Order	Apr - Mar	FY 2024-25	FY 2025-26	FY 2026-27	FY 2027-28	FY 2028-29		
			Approved	Audited	Claimed	Approved	Estimated	Projected	Projected	Projected	Projected	Projected		
1	Installed Capacity	MW	800											
	COD		26.12.2018											
	Type of Thermal Generating Station (Pithead/Non-Pithead)		Non-Pit Head											
2	Availability													
2.1	Target Availability for full recovery of AFC	%	85	85	85	85	85	85	85	85	85	85	85	
2.2	Actual/Projected Availability	%	85	60.86	60.88	88.68	85	85	85	85	85	85	85	
3	Plant Load Factor (PLF)													
3.1	Target PLF for Incentive	%	85	85	85	85	85	85	85	85	85	85	85	
3.2	Actual/Projected PLF	%		60.09	60.09	85.54	85.07	85	85.07	85	85	85	85.04	
4	Gross Generation													
4.1	Scheduled Generation	MU	4013.33	4013.33	4013.33	5755.62	5648.62	5644.07	5648.62	5659.51	5648.62	5659.51	5648.80	
4.2	Actual/Projected Gross Generation	MU	4013.33	4211.32	4211.32	6011.28	5961.60	5956.80	5961.60	5973.10	5961.60	5973.10	5659.68	
5	Auxiliary Consumption													
5.1	Normative Auxiliary Energy Consumption	%	5.25	5.25	5.25	5.25	5.25	5.25	5.25	5.25	5.25	5.25	5.25	
5.2	Actual/Projected Auxiliary Energy Consumption	%	4.70	4.70	4.70	4.24	4.24	5.25	5.25	5.25	5.25	5.25	5.25	
5.3	Actual/Projected Auxiliary Energy Consumption	MU	198.00	198.00	198.00		312.98	312.73	312.98	313.59	312.98	313.59	312.88	
5.4	Net Generation	MU	4013.33	4013.33	4013.33		5648.62	5644.07	5648.62	5658.51	5648.62	5658.51	5646.80	
6	Gross Station Heat Rate													
6.1	Normative Gross Station Heat Rate	kcal/kWh	2151	2151	2151	2151	2151	2151	2151	2151	2151	2151	2151	
6.2	Actual/Projected Gross Station Heat Rate	kcal/kWh		2161	2161	2124	2151	2151	2151	2151	2151	2151	2151	
7	Secondary Fuel Oil Consumption													
7.1	Normative Secondary Fuel Oil Consumption	ml/kWh	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	
7.2	Actual/Projected Secondary Fuel Oil Consumption	ml/kWh		1.08	1.08	0.358207168	0.5	0.5	0.5	0.5	0.5	0.5	0.5	
8	Transit Loss													
8.1	Normative Transit Loss	%	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	
8.2	Actual/Projected Transit Loss	%		0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	

Form 11: Fuel Details for computation of Energy Charge Rate

S. No.	Particulars	Units	Year (n-1) (FY 2022-23)												Current Year 'n' (FY 2023-24)											
			Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep						
A	Opening Quantity																									
1	Opening quantity of coal	MT	81820	35782	59816	124600	151310	171234	180715	138751	152562	137900	123962	121516	91865	82292	120988	128890	81162	61811						
2	Value of stock	Rs.in Crs	43.97	18.52	36.60	64.48	79.48	89.74	95.56	75.78	83.80	74.16	62.78	73.15	57.22	50.59	81.01	90.26	54.18	35.64						
B	Procurement																									
3	Quantity of coal supplied by the coal company	MT	185983	303749	326675	35740	20326	31589	165843	206061	254506	256526	247156	222926	282179	289769	255109	235538	246059	249554						
4	Adjustment in coal quantity supplied by the coal company	MT																								
5	Coal supplied by coal company (3+4)	MT	185983	303749	326675	35740	20326	31598	165843	206061	254506	256526	247156	222926	282179	289769	255109	235538	246059	249554						
6	Normative transit and handling loss	MT	1488	2430	2813	286	163	253	1335	1648	2036	2052	1977	1783	2257	2318	2041	1884	1968	1996						
7	Net coal supplied	MT	184506	301319	324062	35464	20163	31336	166508	204412	252470	254474	245179	221142	279921	287451	253068	233684	244091	247558						
C	Price																									
8	Amount charged by coal company	Rs.in Crs	11508	17573	20644	2178	1139	1871	9663	11196	13431	13507	14235	14210	17079	20532	17749	14525	14545	13860						
9	Adjustment in amount charged by the coal company	Rs.in Crs	-2553	-2691	-4833	-378	-339	-267	-1272	-1091	-1509	-2394	-004	-1513	-1849	-1852	-278	-438	-2100	-1166						
10	Handling, sampling and such other similar charges	Rs.in Crs	0.12	0.12	0.12	0.15	0.53	0.29	0.55	0.46	0.60	0.30	0.45	0.78	0.29	0.20	0.25	0.28	0.51	0.51						
11	Total amount charged (8+9+10)	Rs.in Crs	89662	148935	158227	181517	852839	163273	844619	101509	119821	111426	142772	127755	152586	186987	174979	142174	124963	127451						
D	Transportation																									
12	Transportation charges																									
13	By rail	Rs.in Crs	4.22	10.21	8.90	1.45	0.85	2.05	9.09	11.19	14.21	13.14	16.66	12.62	18.77	9.97	5.97	9.59	9.04	14.12						
14	By road	Rs.in Crs																								
15	By ship	Rs.in Crs																								
16	Adjustment in amount charged by the coal company	Rs.in Crs																								
17	Demurrage charges, if any	Rs.in Crs																								
18	Cost of diesel in transporting coal through MGR system, if applicable	Rs.in Crs																								
19	Total Transportation charges	Rs.in Crs	4.22	10.21	8.90	1.45	0.85	2.05	9.09	11.19	14.21	13.14	16.66	12.62	18.77	9.97	5.97	9.59	9.04	14.12						
20	Total amount charged for coal supplied including transportation (11+15)	Rs.in Crs	9388	15914	16703	1950	938	1838	9155	11270	13404	12457	15943	14027	17136	19697	18095	15177	13399	14157						
E	Total Cost																									
21	Landed cost of coal (2+17)/(1+7)	Rs./MT	6176.82	5270.3	6174.83	5253.04	5182.15	5287.62	5461.9	5492.67	5378.17	5064.82	6018.72	6228.46	6148.06	6695.59	7003.16	6675.92	5786.5	6732.06						
22	Blending Ratio (Domestic/imported) preceding three months																									
23	Quality																									
24	GCV of Domestic Coal of the opening stock as per bill of Coal Company	kcal/kg																								
25	GCV of Imported Coal supplied as per bill of Coal Company	kcal/kg																								
26	GCV of Domestic Coal of the opening stock as received at Station	kcal/kg																								
27	GCV of Imported Coal supplied as received at Station	kcal/kg																								
28	GCV of Domestic Coal of opening stock as received at Station	kcal/kg																								
29	GCV of Imported Coal of opening stock as received at Station	kcal/kg																								
30	Weighted average GCV of coal as Received	kcal/kg	4158	4145	4184	4502	0	3950	4021	4090	3789	3876	4057	4160	4188	4508	4840	4080	4010	3608						

Note:
1 Similar details to be furnished for secondary fuel oil for coal based thermal plants with appropriate units.
2 As billed and as received GCV, quantity of coal, and price should be submitted as certified by statutory auditor.
3 Details to be provided for each source separately. In case of more than one source, add additional column.
4 Break up of the amount charged by the Coal Company is to be provided separately.

Form 11: Fuel Details for computation of Energy Charge Rate

S. No.	Particulars	Units	Year (n-1) (FY 2022-23)												Current Year 'n' (FY 2023-24)																	
			Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep												
A	Opening Quantity																															
1	Opening quantity of oil	KL	3070.42	2481.83	2955.23	2782.23	2756.23	2908.20	2204.31	2257.83	2739.96	2739.96	2739.96	2739.96	2739.96	2739.96	2739.96	2739.96	2739.96	2739.96	2739.96	2739.96	2739.96	2739.96	2739.96	2739.96	2739.96	2739.96	2739.96	2739.96	2739.96	
2	Value of stock	Rs in Crs	18.40	13.65	18.12	17.04	16.83	18.26	14.18	14.52	17.35	17.35	17.35	17.35	17.35	17.35	17.35	17.35	17.35	17.35	17.35	17.35	17.35	17.35	17.35	17.35	17.35	17.35	17.35	17.35	17.35	
B	Procurement																															
3	Quantity of oil supplied by the oil company	KL	125.41	743.40	0.00	0.00	151.97	348.12	1046.52	1071.13	0.00	0.00	351.10	328.11	44.87	389.66	0.00	0.00	550.47	300.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
4	Adjustment in oil quantity supplied by the oil company	KL																														
5	Oil supplied by oil company (3+4)	KL	125.41	743.40	0.00	0.00	151.97	348.12	1046.52	1071.13	0.00	0.00	351.10	328.11	44.87	389.66	0.00	0.00	550.47	300.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
6	Not native transit and handling loss	KL																														
7	Net oil supplied	KL	125.41	743.40	0.00	0.00	151.97	348.12	1046.52	1071.13	0.00	0.00	351.10	328.11	44.87	389.66	0.00	0.00	550.47	300.10	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
C	Price																															
8	Amount charged by oil company	Rs in Crs	1.13	6.07	0.00	0.00	1.43	2.82	6.50	7.21	0.00	0.00	2.24	2.05	0.30	2.33	0.00	0.00	4.03	2.28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
9	Adjustment in amount charged by the oil company	Rs in Crs																														
10	Handling, sampling and such other similar charges	Rs in Crs																														
11	Total amount charged (8+9+10)	Rs in Crs	1.13	6.07	0.00	0.00	1.43	2.82	6.50	7.21	0.00	0.00	2.24	2.05	0.30	2.33	0.00	0.00	4.03	2.28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
D	Transportation																															
12	Transportation charges																															
	By rail	Rs in Crs																														
	By road	Rs in Crs																														
	By ship	Rs in Crs																														
	...	Rs in Crs																														
13	Adjustment in amount charged by the oil transporter	Rs in Crs																														
14	Demurrage charges, if any	Rs in Crs																														
15	Cost of diesel in transporting oil through MGR system, if applicable	Rs in Crs																														
16	Total Transportation charges (12+13+14+15)	Rs in Crs	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
17	Total amount charged for oil supplied including transportation (11+16)	Rs in Crs	1.13	6.07	0.00	0.00	1.43	2.82	6.50	7.21	0.00	0.00	2.24	2.05	0.30	2.33	0.00	0.00	4.03	2.28	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
E	Total Cost																															
18	Landed cost of oil (2+17)/(1+7)	Rs /KL	54821.8	61140.1	61118.8	61027.3	62777.3	64714	63625.9	63369.9	63316.5	63316.5	63316.5	63358.2	61850.8	61892.1	61621.4	61625	63499.6	64387.2												
19	Blending Ratio (Domestic/imported)																															
20	Weighted average cost of oil for preceding three months	Rs./KL																														
F	Quality																															
21	GCV of Domestic oil of the opening oil stock as per bill of oil Company	kcal/kg																														
22	GCV of Domestic oil supplied as per bill of oil Company	kcal/kg																														
23	GCV of Imported oil of the opening stock as per bill of oil Company	kcal/kg																														
24	GCV of Imported oil supplied as per bill of oil Company	kcal/kg																														
25	Weighted average GCV of oil as Billed	kcal/kg																														
26	GCV of Domestic oil of the opening stock as received at Station	kcal/kg																														
27	GCV of Domestic oil supplied as received at Station	kcal/kg																														
28	GCV of Imported oil of opening stock as received at Station	kcal/kg																														
29	GCV of Imported oil of opening stock as received at Station	kcal/kg																														
30	Weighted average GCV of oil as Received	kcal/kg																														

Note:
1 Similar details to be furnished for secondary fuel oil for coal based thermal plants with appropriate units.
2 As billed and as received GCV, quantity of coal, and price should be submitted as certified by statutory auditor.
3 Details to be provided for each source separately. In case of more than one source, add additional column.
4 Break up of the amount charged by the Coal Company is to be provided separately.

TGGENCO
KTPS-VII
Form-12: Energy Charge Rate

Particulars	Legend	Units	(FY 2022-23)		(FY 2023-24)		Control Period										
			MYT/Tariff Order	Apr-Mar	True-Up requirement	MYT/ Tariff Order	Apr - Mar	FY 2024-25		FY 2025-26		FY 2026-27		FY 2027-28		FY 2028-29	
			Approved	Audited	Claimed	Approved	Estimated	Projected	Projected	Projected	Projected	Projected	Projected	Projected	Projected	Projected	Projected
Auxiliary Consumption	AUX	%	5.25	4.70	4.70	5.25	4.24	5.25	5.25	5.25	5.25	5.25	5.25	5.25	5.25	5.25	
Gross Station Heat Rate	GSHR	kcal/kWh	2151	2161	2161.24	2151	2124	2151	2151	2151	2151	2151	2151	2151	2151	2151	
Secondary Fuel oil consumption	SFC	ml/kWh	0.5	1.0813601	1.08	0.5	0.36	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	
Calorific Value of Secondary Fuel	CVSF	kcal/ml	9819	9819	9819.00	9819	9819	9819	9819	9819	9819	9819	9819	9819	9819	9819	
Landed Price of Secondary Fuel	LPSF	Rs./ml	0.06	0.06	0.06	0.06	0.06	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07	
Gross Calorific Value of Coal	CVPF	kcal/kg	4069	4069	4068.54	4186	4186	4021	4021	4021	4021	4021	4021	4021	4021	4021	
Landed Price of Coal	LPPF	Rs./kg	5.46	5.46	5.46	6.40	6.40	6.36	6.36	6.49	6.62	6.75	6.89	6.89	6.89	6.89	
Specific Coal Consumption		kg/kWh	0.527	0.529	0.529	0.513	0.507	0.534	0.53	0.53	0.53	0.53	0.53	0.53	0.53	0.53	
Cost Cost/kwh		Rs/kwh	3.042	3.031	3.031	3.465	3.39	3.58	3.66	3.66	3.73	3.80	3.88	3.88	3.88	3.88	
Oil Cost/kwh		Rs/kwh	0.034	0.073	0.073	0.034	0.02	0.03	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04	
ECR		Rs./kWh	3.076	3.104	3.104	3.499	3.412	3.618	3.690	3.764	3.839	3.916	3.916	3.916	3.916	3.916	

* Energy Charges provisionally computed for next control period FY 2024-25 to FY 2028-29 based on actual weighted average cost of primary fuel and secondary fuel during January-24, February-24 and March-24 with 2% escalation year on year. However, actual energy charges shall be claimed as per TSERC regulation 2 of 2023.

FY 2022-23
Audited

Beneficiary	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Total
TSSPDCL (70.55%)	302.10	351.37	345.69	16.21	1.22	19.24	259.21	241.93	315.51	328.39	314.66	329.31	2831.40
TSNPDCL (29.45%)	126.11	146.68	144.30	6.35	-0.51	8.03	112.39	100.99	131.71	137.08	131.35	137.47	1181.92
Total	428.21	498.05	489.99	22.56	-1.73	27.26	371.59	342.91	447.22	465.47	446.01	466.78	4013.32

FY 2023-24

Beneficiary	Actuals												Estimated												Total
	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	
TSSPDCL (70.55%)	352.15	367.42	378.75	373.30	345.30	272.86	380.89	225.94	357.58	342.39	322.56	344.16	4051.30												
TSNPDCL (29.45%)	147.00	153.37	157.27	155.83	144.14	113.90	158.99	94.32	149.27	142.92	134.65	143.66	1836.33												
Total	499.15	520.78	534.02	528.13	489.44	386.76	539.88	320.26	506.85	485.31	457.21	487.82	5756.62												

FY 2024-25
Projected

Beneficiary	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Total
TSSPDCL (70.55%)	346.43	358.08	346.63	358.08	358.08	346.43	358.08	116.61	358.08	358.08	323.43	358.08	3685.11
TSNPDCL (29.45%)	144.65	149.48	144.65	149.48	149.48	144.65	149.48	48.22	149.48	149.48	135.01	149.48	1653.52
Total	491.08	507.56	491.28	507.56	507.56	491.08	507.56	164.83	507.56	507.56	458.44	507.56	5648.63

FY 2025-26
Projected

Beneficiary	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Total
TSSPDCL (70.55%)	327.28	338.19	327.28	338.19	338.19	327.28	338.19	327.28	338.19	338.19	305.46	338.19	3981.91
TSNPDCL (29.45%)	136.62	141.17	136.62	141.17	141.17	136.62	141.17	136.62	141.17	141.17	127.51	141.17	1562.18
Total	463.90	479.36	463.90	479.36	479.36	463.90	479.36	463.90	479.36	479.36	432.97	479.36	5544.09

FY 2026-27
Projected

Beneficiary	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Total
TSSPDCL (70.55%)	346.53	358.08	346.53	358.08	358.08	346.53	358.08	115.51	358.08	358.08	323.43	358.08	3985.11
TSNPDCL (29.45%)	144.65	149.48	144.65	149.48	149.48	144.65	149.48	48.22	149.48	149.48	135.01	149.48	1663.52
Total	491.18	507.56	491.18	507.56	507.56	491.18	507.56	163.73	507.56	507.56	458.44	507.56	5648.63

FY 2027-28
Projected

Beneficiary	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Total
TSSPDCL (70.55%)	327.28	338.19	327.28	338.19	338.19	327.28	338.19	327.28	338.19	338.19	316.37	338.19	3992.81
TSNPDCL (29.45%)	136.62	141.17	136.62	141.17	141.17	136.62	141.17	136.62	141.17	141.17	122.08	141.17	1666.74
Total	463.90	479.36	463.90	479.36	479.36	463.90	479.36	463.90	479.36	479.36	438.45	479.36	5659.55

FY 2028-29
Projected

Beneficiary	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Total
TSSPDCL (70.55%)	373.48	385.91	373.48	385.91	385.91	373.48	385.91	373.48	385.91	385.91	348.58	385.91	3983.80
TSNPDCL (29.45%)	155.81	161.10	155.81	161.10	161.10	155.81	161.10	155.81	161.10	161.10	145.51	161.10	1662.98
Total	529.29	547.03	529.29	547.03	547.03	529.29	547.03	529.29	547.03	547.03	494.09	547.03	5646.78

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Form 14: Revenue from Sale of Electricity

Previous Year (n-1) FY 2022-23
Audited

Audited														(Rs. Crore)
Beneficiary	Components of tariff				Relevant sales & load/demand data for revenue calculation			Full year revenue (Rs. Crore)						
	Fixed / Capacity Charges (Rs. Crore / year)	Energy Charges (Rs./kWh)	Any Other Charges (specify part name and unit)	Fuel surcharge per unit, if any (Rs./kWh)	Sales in MU	Share of Capacity (MW%)	Item 3 (specify)	Revenue from Fixed / Capacity Charges	Revenue from Energy Charges	Revenue from Any Other Charge (specify part name)	Revenue from Fuel Surcharge	Total		
Beneficiary 1														
Beneficiary 2														
Beneficiary 3														
...														
Total	0.00	0.00	0.00	0.00	0.00	0.00		0.00	0.00	0.00	0.00	0.00		

Form 15: Revenue Reconciliation

Previous Year (n-1) (FY 2022-23)
Audited

S. No.	Particulars	Units	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Total
1	Normative Availability (%)	%	85.00	85.00	85.00	85.00	85.00	85.00	85.00	85.00	85.00	85.00	85.00	85.00	80.00
2	Availability during the month (%)	%	80.54	89.41	89.86	2.95	0.00	7.30	69.10	64.70	79.54	92.94	87.77	81.58	82.26
3	Cumulative Availability (%)	%	80.54	85.05	86.63	65.37	52.13	44.78	48.30	50.32	53.61	56.58	59.20	61.10	
4	Target PLF for Incentive	%	85.00	85.00	85.00	85.00	85.00	85.00	85.00	85.00	85.00	85.00	85.00	85.00	80.00
5	Actual PLF during the month (%)	%	78.13	87.83	88.95	4.28	0.00	5.65	67.47	62.61	78.47	81.61	86.52	81.99	
6	Cumulative PLF (%)	%	78.13	83.05	85.00	64.49	51.42	43.92	47.33	49.21	52.51	55.46	58.06	60.09	
7	Gross Generation (MU)	MU	450.03	522.78	512.37	25.46	0.00	32.52	401.61	360.63	467.06	485.74	465.13	488.00	4211.33
8	Auxiliary Consumption (MU)	MU	21.81	24.73	22.38	3.90	1.73	5.26	20.02	17.72	19.84	20.27	19.12	21.23	198.00
9	Net Generation (MU)	MU	428.21	498.05	489.99	21.56	-1.73	27.26	381.59	342.91	447.22	465.47	446.01	466.77	4013.33
10	Generation above target PLF (MU)	MU	122.21	181.85	183.99	-294.64	-317.93	-278.74	65.39	36.91	131.02	149.27	160.41	150.57	290.33
11	Variable Charges Per Unit	Rs./kWh	2.409	2.409	2.409	2.409	2.409	2.409	2.409	2.409	2.409	2.409	2.409	2.409	2.668
12	Approved Fixed Charges	Rs. Crore	88.39	88.39	88.39	88.39	88.39	88.39	88.39	88.39	88.39	88.39	88.39	88.39	1060.70
13	Fuel Surcharge	Rs./kWh	2.848	2.912	2.834	2.674	2.640	3.067	3.113	3.075	3.248	2.990	3.276	3.427	3.629
14	Fixed Charges During Month	Rs. Crore	83.75	93.03	88.39	6.74	-0.86	8.35	72.19	67.03	83.12	86.63	88.81	85.27	762.46
15	Energy Charges Amount	Rs. Crore	103.16	119.98	118.04	5.19	-0.42	6.57	91.92	82.61	107.74	112.13	107.44	112.45	968.81
16	Amount of Fuel Surcharge Adjustment	Rs. Crore	18.81	25.07	20.84	0.57	-0.04	1.79	26.87	22.85	37.54	27.03	38.67	47.51	267.51
17	Incentive Amount	Rs. Crore													0.00
18	Revenue from sale of electricity	Rs. Crore	205.72	238.08	227.28	12.50	-1.32	16.71	190.98	172.49	228.39	225.79	234.92	245.23	1996.77
19	Other recoveries/adjustments														
	Fuel (savings)/charge year end adjustment														1.72
	Difference bill issued after MTR order														150.90
	Water Charges	Rs. Crore													0.88
20	Total Revenue	Rs. Crore	205.72	238.08	227.28	12.50	-1.32	16.71	190.98	172.49	228.39	225.79	234.92	245.23	2150.28
21	Total Revenue as per Audited Accounts	Rs. Crore													

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RTS-B
Tariff Filing Formats - Generation
Checklist

S. No.	Form	Title	Tick
1	Form 1	Summary Sheet	✓
2	Form 2	Operation and Maintenance Expenses	✓
3	Form 2.1	Employee Expenses	✓
4	Form 2.2	Administration & General Expenses	✓
5	Form 2.3	Repair & Maintenance Expenses	✓
6	Form 3	Summary of Capital Expenditure and Capitalisation	✓
7	Form 3.1	Statement of Additional Capitalisation after COD	✓
8	Form 3.2	Financing of Additional Capitalisation	✓
9	Form 4	Fixed Assets & Depreciation	✓
10	Form 5	Interest and finance charges on loan	✓
11	Form 6	Interest on working capital	✓
12	Form 7	Return on Equity	✓
13	Form 8	Non-Tariff Income	✓
14	Form 9	Planned & Forced Outages	✓
15	Form 10	Operational parameters	✓
16	Form 11	Fuel Details for computation of Energy Charge Rate	✓
17	Form 12	Energy Charge Rate	✓
18	Form 13	Sales	✓
19	Form 14	Revenue from Sale of Electricity	✓
20	Form 15	Revenue Reconciliation	✓
21	Form 16	Summary of true-up	✓
		Capital Cost Approval*	
22	Form 17	Plant Characteristics (Thermal)	
23	Form 18	Plant Characteristics (Hydel)	
24	Form 19.1	Project Schedule	
25	Form 19.2	Abstract of Capital Cost	
26	Form 19.3	Breakup of Capital Cost	
27	Form 19.4	Breakup of Construction/Supply/Services/Packages	
28	Form 19.5	Financial Package	
29	Form 19.6	Details of Loans	
30	Form 19.7	Phasing of Expenditure, Debt and Equity upto COD	
31	Form 19.8	Interest During Construction and Finance Charges upto COD	

Note: * Applicable only for new Generating Station/Unit for which Provisional/Final tariff approval is being sought

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Form 1: Summary Sheet

S. No.	Particulars	Units	Reference	FY 2022-23			FY 2023-24			Control Period					Remarks	
				MYT/Tariff Order	April-March	True-Up requirement	MYT/Tariff Order	April - March	FY 2024-25	FY 2025-26	FY 2026-27	FY 2027-28	FY 2028-29			
				Approved	Audited	Claimed	Approved	Estimated	Projected	Projected	Projected	Projected	Projected			
A	Annual Fixed Charges															
1	Operation & Maintenance Expenses	Rs. Crore	Form 2	90.47	94.24	94.24	93.76	100.26	109.87							
2	Depreciation	Rs. Crore	Form 4	10.11	9.82	9.82	10.11	9.82	9.88							
3	Interest and finance charges on loan	Rs. Crore	Form 5	0.00	0.20	0.20	0.00	0.00	0.00							
4	Interest on Working Capital	Rs. Crore	Form 6	6.48	6.76	6.76	6.79	8.06	5.41							
5	Return on Equity	Rs. Crore	Form 7	7.16	7.89	7.89	7.16	7.89	4.67							
6	Less: Non-Tariff Income	Rs. Crore	Form 8		2.62	2.62		1.33	1.49							
7	Annual Fixed Charges	Rs. Crore		114.22	116.31	116.31	117.82	124.70	128.31							
B	Energy Charges															
1	Energy Charge Rate	Rs./kWh	Form 12	4.35	4.37	4.37	4.71	5.60	4.63							
2	Scheduled Energy (ex-bus)	MU	Form 10	232.18	232.18	232.18	219.06	219.06	285.79							
3	Energy Charges	Rs. Crore		101.05	101.48	101.48	103.20	122.61	132.44							
C	AFC +Energy Charges	Rs. Crore		215.26	217.80	217.80	221.02	247.32	260.75							

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Form 2: Operation and Maintenance Expenses

A. For Existing Generating Stations

S. No.	Particulars	Reference	FY 2022-23				FY 2023-24		Control Period					(Rs. Crore)
			MYT/Tariff Order	Apr-Mar	Audited	True-Up requirement	MYT/Tariff Order	Apr - Mar	FY 2024-25	FY 2025-26	FY 2026-27	FY 2027-28	FY 2028-29	
			Approved	75.52	75.13	75.13	Approved	78.57	Estimated	Projected	Projected	Projected	Projected	
1	Employee Expenses	Form 2.1	75.52	75.13	75.13	78.57	85.03	91.27	Projected	Projected	Projected	Projected	Projected	
2	A&G Expenses	Form 2.2	5.98	10.69	10.69	6.11	5.76	9.84	9.84					
3	R & M Expenses	Form 2.3	9.88	8.42	8.42	10.02	8.47	8.77	8.77					
4	Total O&M Expenses		90.47	94.24	94.24	93.76	100.26	109.87	109.87					

Note:

- The projections for the Control Period to be supported by detailed computations

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Form 2.1 Employee Expenses

S.No.	Particulars	Control Period																(Rs. Crore)			
		FY 2019-20		FY 2020-21		FY 2021-22		FY 2022-23		FY 2023-24		FY 2024-25		FY 2025-26		FY 2026-27		FY 2027-28		FY 2028-29	
		Apr-Mar	Audited	Apr-Mar	Audited	Apr-Mar	Audited	Apr-Mar	Audited	Apr - Mar	Estimated	Projected	Projected	Projected	Projected	Projected	Projected	Projected	Projected	Projected	Projected
1	Basic Salary							44.91		46.01											
2	Dearness Allowance (DA)							1.44		4.13											
3	House Rent Allowance							0.58		0.51											
4	Conveyance Allowance							0.37		0.36											
5	Leave Travel Allowance							0.00		0.00											
6	Earned Leave Encashment							6.49		8.09											
7	Other Allowances							9.69		7.89											
8	Medical Reimbursement							1.62		1.45											
9	Overtime Payment							0.00		-											
10	Bonus/Ex-Gratia Payments							0.14		-											
11	Interim Relief / Wage Revision							0.00		0.00											
12	Staff welfare expenses							0.85		0.75											
13	VRS Expenses/Retrenchment Compensation							0.00		-											
14	Commission to Directors							0.00		-											
15	Training Expenses							0.00		-											
16	Payment under Workmen's Compensation Act							0.00		-											
17	Net Employee Costs							66.10		69.19											
18	Terminal Benefits							0.00		-											
18.1	Provident Fund Contribution							1.55		3.40											
18.2	Provision for PF Fund							0.00		-											
18.3	Pension Payments							0.00		-											
18.4	Gratuity Payment							7.48		12.44											
19	Unfunded past liabilities of pension & gratuity							0.00		-											
20	Others							0.00		-											
21	Gross Employee Expenses	0.00		0.00		0.00		75.13		85.03											
22	Less: Expenses Capitalised							0.00		0.00											
23	Net Employee Expenses	74.08		78.87		72.41		75.13		85.03											

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Form 2.2: Administration & General Expenses

S. No.	Particulars	(Rs. Crore)											
		FY 2019-20		FY 2020-21		FY 2021-22		FY 2022-23		FY 2023-24		FY 2024-25	
		Apr-Mar	Audited	Apr-Mar	Audited	Apr-Mar	Audited	Apr-Mar	Audited	Apr - Mar	Estimated	Projected	Projected
1	Rent Rates & Taxes	0.29	0.34	0.97	0.97	-0.13	0.37						
2	Insurance	0.08	0.08	0.08	0.08	0.08	0.08						
3	Telephone & Postage, etc.	0.04	0.03	0.02	0.03	0.03	0.03						
4	Legal charges & Audit fee	0.04	0.01	0.01	0.01	0.01	0.01						
5	Professional Consultancy, Technical fee	0.00	0.00	0.01	0.01	0.01	0.30						
6	Conveyance & Travel	0.02	0.01	0.01	0.01	0.02	0.02						
7	Electricity charges	0.01	1.92	3.66	1.87	1.87	1.92						
8	Water charges	0.00	0.00	0.00	0.00	0.00	0.00						
9	Security arrangements	4.63	5.12	7.12	7.12	7.12	3.46						
10	Fees & subscription	0.00	0.02	0.00	0.00	0.00	0.00						
11	Books & periodicals	0.00	0.00	0.00	0.00	0.00	-0.00						
12	Computer Stationery	0.00	0.00	0.00	0.00	0.00	0.00						
13	Printing & Stationery	0.00	0.00	0.01	0.01	0.01	0.01						
14	Advertisements	0.09	0.01	0.02	0.02	0.02	0.01						
15	Purchase Related Advertisement Expenses	0.00	0.00	0.00	0.00	0.00	0.01						
16	Contribution/Donations	0.00	0.00	0.00	0.00	0.00	-						
17	License Fee and other related fee	0.00	0.00	0.00	0.00	0.00	-						
18	Vehicle Running Expenses Truck / Delivery Van	0.00	0.00	0.00	0.00	0.00	0.00						
19	Vehicle Hiring Expenses Truck / Delivery Van	0.43	0.35	0.47	0.34	0.34	0.55						
20	Cost of services procured	0.00	0.00	0.00	0.00	0.00	-						
21	Outsourcing of metering and billing system	0.00	0.00	0.00	0.00	0.00	-						
22	Freight On Capital Equipments	0.00	0.00	0.00	0.00	0.00	-						
23	V.set, Internet and related charges	0.00	0.00	0.00	0.00	0.00	-						
24	Training	0.00	0.00	0.01	0.01	0.00	0.01						
25	Bank Charges	0.00	0.00	0.00	0.00	0.00	-						
26	Miscellaneous Expenses	0.00	0.00	0.00	0.00	0.00	-						
27	Office Expenses	0.01	0.02	0.01	0.01	0.00	-						
28	Others	-0.53	0.13	-0.34	1.25	1.25	-						
29	Gross A & G Expenses	5.13	7.96	12.07	10.69	10.69	6.76					9.84	
30	Less: Expenses Capitalised	0.00	0.00	0.00	0.00	0.00	0.00					9.84	
31	Net A & G Expenses	5.13	7.96	12.07	10.69	10.69	6.76					9.84	

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Form 2.3 Repair & Maintenance Expenses

S. No.	Particulars	FY 2019-20		FY 2020-21		FY 2021-22		FY 2022-23		FY 2023-24		FY 2024-25		FY 2025-26		FY 2026-27		FY 2027-28		FY 2028-29	
		Apr-Mar Audited		Apr-Mar Audited		Apr-Mar Audited		Apr-Mar Audited		Apr - Mar Estimated		Projected		Projected		Projected		Projected		Projected	
1	Plant & Machinery	4.25	5.86	0.01	7.55	7.16	6.89														
2	Buildings	0.02	0.01	0.03	0.13	0.39	1.07														
3	Civil Works	0.55	0.47	0.96	0.08	0.15	0.01														
4	Hydraulic Works	0.07	0.01	0.06	0.44	0.51	0.45														
5	Lines & Cable Networks	0.27	0.35	0.44	0.00	0.05	0.00														
6	Vehicles	0.00	0.00	0.00	0.00	0.00	0.00														
7	Furniture & Fixtures	0.00	0.00	0.00	0.00	0.00	0.00														
8	Office Equipment	0.03	0.06	0.06	0.06	0.04	0.05					8.77									
9	Gross R&M Expenses	5.19	6.77	9.12	8.42	8.47	8.77														
10	Gross Fixed Assets at beginning of year	127.04	127.04	127.04	127.04	127.04	127.04														
11	R&M Expenses as % of GFA at beginning of year	4.09%	5.33%	7.18%	6.63%	6.67%	6.90%														

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Form 3: Summary of Capital Expenditure and Capitalisation

S. No.	Particulars	FY 2022-23			FY 2023-24		Control Period					(Rs. Crore)
		MYT/Tariff Order	Apr-Mar	True-Up requirement	MYT/Tariff Order	Apr - Mar	FY 2024-25	FY 2025-26	FY 2026-27	FY 2027-28	FY 2028-29	
		Approved	Audited	Claimed	Approved	Estimated	Projected	Projected	Projected	Projected	Projected	
1	Opening Capital Works in Progress											
2	Capital Expenditure during the year		0.00	0.00		0.04	0.00					
3	Capitalisation during the year		0.00	0.00		0.04	0.00					
4	Closing Capital Works in Progress	0.00	0.00	0.00	0.00	0.00	0.00					

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 Form 3.1: Statement of Additional Capitalisation after COD

S. No.	FY	Name of the package (BTL, BOP, Civil Works etc.)	Name of the work	Total estimated cost* (Rs. Crore)	Capital expenditure during the year (Rs. Crore)	Capitalisation during the year (Rs. Crore)	Asset group under which the capitalisation has been accounted (Land, Buildings, etc.)	Scope of work	Relevant Clause of the TSERC MYT Regulation, 2023 under which the capitalisation has been claimed	Justification
	Year (n-3)	Year (2022-23)								
	Total			0.00	0.00	0.00				
	Current Year 'n'	2023-24								
3			FURNITURE AND FIXTURES OFFICE EQUIPMENT			0.03				
	Total			0.04	0.04	0.04				
	Year (n+1)	2024-25		0.00	0.04	0.04				
1										
2										
3										
	Total			0.00	0.00	0.00				
	Year (n+2)	2025-26								
1										
2										
3										
	Total			0.00	0.00	0.00				
	Year (n+3)	2026-27		0.00	0.00	0.00				
1										
2										
3										
	Total			0.00	0.00	0.00				
	Year (n+4)	2027-28								
1										
2										
3										
	Total			0.00	0.00	0.00				
	Year (n+5)	2028-29								
1										
2										
3										
	Total			0.00	0.00	0.00				
	Total			0.00	0.00	0.00				

* Total estimated cost to be supported by documentary evidences like work orders, investment approvals etc.

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Form 3.2: Financing of Additional Capitalisation

S. No.	Particulars	FY 2022-23		FY 2023-24		Control Period	
		Actual		Apr - Mar	Estimated	FY 2024-25	Projected
1	Additional capitalisation	0.00		0.04		0.00	
2	Financing Details						
	Loan 1	0.00		0.03		0.00	
	Loan 2						
	...						
	Total Loan	0.00		0.03		0.00	
3	Equity						
4	Internal Resources	0.00		0.01		0.00	
5	Others (Please Specify)						
6	Total (2+3+4+5)	0.00		0.04		0.00	

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Form 4: Fixed Assets & Depreciation

(Rs. Crore)

FY 2022-23												Rs. Crore	
S.No.	Asset Group	A/c Code	Rate of Depreciation	Gross fixed Assets			Provisions for depreciation				Net fixed Assets		
				At the beginning of the year	Additions during the year	Adjust. & deductions	At the end of the year	Cumulative upto the beginning of the year	Additions during the year	Adjust. during the year	Cumulative at the end of the year	At the beginning of the year	At the end of the year
1	Land & Land Rights	1000	0.00%	0.30	0.00	0.00	0.30	0.00		0.00		0.30	0.30
2	Buildings	1100	3.34%	2.32	0.00	0.00	2.32	1.66	0.21		1.87	0.66	0.45
3	Lines & Cable Network	1200	5.28%	0.78	0.00	0.00	0.78	0.59	0.06		0.65	0.19	0.14
4	Plant & Machinery	1300	5.28%	118.70	0.00	0.00	118.70	78.45	9.42		87.87	40.25	30.83
5	Capital Spares	1400	5.28%	0.50	0.00	0.00	0.50	0.31	0.07		0.38	0.19	0.12
6	Hydraulic Works	1500	5.28%	0.56	0.00	0.00	0.56	0.49	0.01		0.50	0.07	0.06
7	Other Civil Works	1600	3.34%	2.57	0.00	0.00	2.57	2.31	0.00		2.31	0.26	0.26
8	Vehicles	1700	9.50%	0.37	0.00	0.00	0.37	0.33	0.00		0.33	0.04	0.04
9	Furniture & Fixtures	1800	6.33%	0.14	0.00	0.00	0.14	0.13	0.00		0.13	0.01	0.01
10	Computers	1900	15.00%	0.53	0.01	0.01	0.53	0.39	0.04		0.42	0.14	0.11
11	Office Equipment	2100	6.33%	0.26	0.00	0.00	0.26	0.20	0.01		0.21	0.06	0.05
12	Intangible Assets	2200	15.00%	0.01	0.00	0.00	0.01	0.01	0.00				0.01
	Total		7.73%	127.04	0.01	0.01	127.04	84.87	9.82	0.00	94.69	42.18	32.36

FY 2023-24													
S.No.	Asset Group	A/c Code	Rate of Depreciation	Gross fixed Assets				Provisions for depreciation				Net fixed Assets	
				At the beginning of the year	Additions during the year	Adjust. & deductions	At the end of the year	Cumulative upto the beginning of the year	Additions during the year	Adjust. during the year	Cumulative at the end of the year	At the beginning of the year	At the end of the year
1	Land & Land Rights	1000	0.00%	0.30			0.30	0.00			0.00	0.30	0.30
2	Buildings	1100	3.34%	2.32			2.32	1.87	0.21		2.09	0.45	0.23
3	Lines and Cable Network	1200	5.28%	0.78			0.78	0.65	0.06		0.70	0.14	0.08
4	Plant & Machinery	1300	5.28%	118.70			118.70	87.87	9.75		97.62	30.83	21.07
5	Capital Spares	1400	5.28%	0.50			0.50	0.38	0.07		0.45	0.12	0.05
6	Hydraulic Works	1500	5.28%	0.56			0.56	0.50	0.01		0.51	0.06	0.06
7	Other Civil Works	1600	3.34%	2.57			2.57	2.31	0.00		2.31	0.26	0.28
8	Vehicles	1700	9.50%	0.37			0.37	0.33	0.00		0.33	0.04	0.04
9	Furniture& Fixtures	1800	6.33%	0.14	0.02		0.17	0.13	0.00		0.14	0.01	0.03
10	Computers	1900	15.00%	0.53			0.53	0.42	0.03		0.45	0.11	0.07

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11	Office Equipment	2100	6.33%	0.26	0.01	0.27	0.21	0.01	0.22	0.05	0.05
12	Intangible Assets	2200	15.00%	0.01		0.01	0.00	0.00	0.00		0.01
	Total		7.73%	127.04	0.04	127.08	94.69	9.82	104.51	32.36	22.54

FY 2024-25											
S.No.	Asset Group	A/c Code	Rate of Depreciation	Gross fixed Assets			Provisions for depreciation			Net fixed Assets	
				At the beginning of the year	Additions during the year	Adjust. & deductions	At the end of the year	Cumulative upto the beginning of the year	Additions during the year	Adjust. during the year	Cumulative at the end of the year
1	Land & Land Rights	1000	0.00%	0.30			0.30		0.00		0.00
2	Buildings	1100	3.34%	2.32			2.32		0.08		0.08
3	Lines and Cable Network	1200	5.28%	0.78			0.78		0.04		0.04
4	Plant & Machinery	1300	5.28%	118.70			118.70		6.27		6.27
5	Capital Spares	1400	5.28%	0.50			0.50		0.03		0.03
6	Hydraulic Works	1500	5.28%	0.56			0.56		0.03		0.03
7	Other Civil Works	1600	3.34%	2.57			2.57		0.09		0.09
8	Vehicles	1700	9.60%	0.37			0.37		0.04		0.04
9	Furniture & Fixtures	1800	5.33%	0.17			0.17		0.01		0.01
10	Computers	1900	15.00%	0.53			0.53		0.08		0.08
11	Office Equipment	2100	5.33%	0.27			0.27		0.02		0.02
	Intangible Assets	2200	10.00%	0.01			0.01		0.00		0.00
	Total		7.78%	127.08	0.00	0.00	127.08	104.51	9.86		114.37

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Form 5: Interest and finance charges on loan

A. Normative Loan

S.	Particulars	Year (n-1) FY	Year (n) FY	Current Year	Control Period
		MYT/Tariff Order	MYT/Tariff Order	MYT/Tariff Order	MYT/Tariff Order
		Approved	Approved	Approved	Approved
1	Opening Balance of Gross Normative Loan	86.93	86.93	86.93	86.93
2	Cumulative Repayment till the year	84.87	84.87	84.87	84.87
3	Opening Balance of Net Normative Loan	0.00	0.00	0.00	0.00
4	Less: Reduction of Normative Loan due to retirement or reallocation of assets				
5	Addition of Normative Loan due to capitalisation during the year ¹		0.00	0.00	0.00
6	Repayment of Normative Loan during the year	10.11	9.82	9.82	9.82
7	Closing Balance of Net Normative Loan	0.00	0.00	0.00	0.00
8	Closing Balance of Gross Normative Loan	76.82	76.11	76.11	76.11
9	Average Balance of Net Normative Loan	2.03	2.03	2.03	2.03
10	Weighted average Rate of Interest on actual Loans (%)	9.97%	9.97%	9.95%	9.95%
11	Interest	0.00	0.20	0.20	0.20
12	Finance charges				
13	Total Interest & Finance charges	0.00	0.20	0.20	0.20

Note:

1 In case actual loan is more than 75%, the modification is the formula need to be done accordingly.

B. Actual loan portfolio

S.	Particulars	Year (n-1)	Year (n)	Current	Control Period
		Approved	Approved	Approved	Approved
1	Loan 1				
	Opening Balance of Loan				
	Addition of Loan during the year				
	Loan Repayment during the year				
	Closing Balance of Loan	0.00	0.00	0.00	0.00
	Average Loan Balance	0.00	0.00	0.00	0.00
	Applicable Interest Rate (%)	0.00%	0.00%	0.00%	0.00%
	Interest	0.00	0.00	0.00	0.00
	Finance charges				
	Total Interest & Finance charges	0.00	0.00	0.00	0.00
2	Loan 2				
	Opening Balance of Loan				
	Addition of Loan during the year				
	Loan Repayment during the year				
	Closing Balance of Loan	0.00	0.00	0.00	0.00
	Average Loan Balance	0.00	0.00	0.00	0.00
	Applicable Interest Rate (%)	0.00%	0.00%	0.00%	0.00%
	Interest	0.00	0.00	0.00	0.00
	Finance charges				
	Total Interest & Finance charges	0.00	0.00	0.00	0.00
	Total				
	Opening Balance of Loan	0.00	0.00	0.00	0.00
	Addition of Loan during the year	0.00	0.00	0.00	0.00
	Loan Repayment during the year	0.00	0.00	0.00	0.00
	Closing Balance of Loan	0.00	0.00	0.00	0.00
	Average Loan Balance	0.00	0.00	0.00	0.00
	Applicable Interest Rate (%)	0.00%	0.00%	0.00%	0.00%
	Interest	0.00	0.00	0.00	0.00
	Finance charges				
	Total Interest & Finance charges	0.00	0.00	0.00	0.00

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Form 6: Interest on working capital

S. No.	Particulars	FY 2022-23			FY 2023-24			Control Period	
		MYT/Tariff Order	Apr-Mar	True-Up requirement	MYT/Tariff Order	Apr - Mar		FY 2024-25	
		Approved	Audited	Claimed	Approved	Estimated	Projected		
1	Cost of coal, towards stock	7.86	7.52	7.52	9.32	9.32	10.53		
2	Cost of coal for generation	7.86	7.52	7.52	9.32	9.32	15.80		
3	Cost of secondary fuel oil	0.91	1.66	1.66	0.68	1.53	0.16		
4	O&M expenses	7.54	7.85	7.85	7.81	8.36	9.16		
5	Maintenance spares	18.09	18.85	18.85	18.75	20.05	1.27		
6	Receivables ¹	35.88	36.74	36.74	36.84	41.44	32.33		
	Less:								
7	Payables for Fuels ²	8.31	8.34	8.34	8.48	10.08	15.95		
8	Total Working Capital requirement	69.83	71.80	71.80	74.24	79.95	53.29		
9	Interest rate	8.55%	9.44%	9.44%	8.55%	10.08%	10.15%		
10	Interest on working capital	6.48	6.78	6.78	6.79	8.06	5.41		

Note:

¹ In case actual availability is less or more than normative value, the modification in the formula need to be done accordingly.

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Form 7 : Return on Equity

S. No.	Particulars	FY 2022-23				FY 2023-24		Control Period	
		MYT/Tariff Order		Apr-Mar		True-Up requirement		MYT/Tariff Order	
		Approved	Audited	Apr-Mar	Audited	Claimed	Approved	Estimated	Projected
1	Regulatory Equity at the beginning of the year	38.11	38.11		38.11	38.11	38.11	38.11	22.54
2	Capitalisation during the year		0.00		0.00	0.00		0.01	0.00
3	Equity portion of capitalisation during the year	0.00	0.00		0.00	0.00	0.00	0.00	0.00
4	Reduction in Equity Capital on account of retirement / replacement of assets								
5	Regulatory Equity at the end of the year	38.11	38.11		38.11	38.11	38.11	38.12	22.54
	Rate of Return on Equity								
6	Base rate of Return on Equity	15.50%	15.50%		15.50%	15.50%	15.50%	15.50%	15.50%
7	Effective Income Tax rate	17.47%	25.168%		25.168%	25.168%	17.472%	25.168%	25.168%
8	Rate of Return on Equity	18.78%	20.71%		20.71%	20.71%	18.78%	20.71%	20.71%
	Return on Equity Computation								
9	Return on Regulatory Equity at the beginning of the year	7.16	7.89		7.89	7.89	7.16	7.89	4.67
10	Return on Regulatory Equity addition during the year	0.00	0.00		0.00	0.00	0.00	0.00	0.00
11	Total Return on Equity	7.16	7.89		7.89	7.89	7.16	7.89	4.67

Note:

1 In case actual loan is more than 75%, the modification in the formula need to be done accordingly.

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Form 8: Non-Tariff Income

S. No.	Particulars	Year (n-1) (FY 2022-23)			(FY 2023-24)		Control Period
		MYT/Tariff Order	Apr-Mar	True-Up requirement	MYT/Tariff Order	Apr - Mar	FY 2024-25
		Approved	Audited	Claimed	Approved	Estimated	Projected
1	Income from rent of land or buildings		0.20	0.20		0.20	0.20
2	Net income from sale of de-capitalised assets		-	-		-	-
3	Income from sale of scrap		0.21	0.21		0.06	0.21
4	Income from statutory investments		-	-		-	-
5	Interest income on advances to suppliers/ contractors		-	-		-	-
6	Income from rental from staff quarters		0.11	0.11		0.11	0.11
7	Income from rental from contractors		-	-		-	-
8	Income from hire charges from contractors and others		0.00	0.00		0.01	0.00
9	Income from sale of ash/rejected coal		1.48	1.48		0.42	0.44
10	Income from advertisements		-	-		-	-
11	Income from sale of tender documents		0.00	0.00		0.01	0.00
12	...		0.62	0.62		0.52	0.52
	Total	0.79	2.62	2.62	0.79	1.33	1.49

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Form 10 : Operational parameters

S. No.	Particulars	Units	Year (n-1) (FY 2022-23)				Current Year 'n' (FY 2023-24)			Control Period		Remarks
			MYT/Tariff Order	Apr-Mar Audited	True-Up requirement	Claimed	MYT/Tariff Order	Apr - Mar	Estimated	FY 2024-25	Projected	
			Approved				Approved					
1	Installed Capacity	MW	62.5									
	COD		17.10.1971									
	Type of Thermal Generating Station		Non-Fit									
2	Availability											
2.1	Target Availability for full recovery of AFC	%	75	75	75	75	75	75	75	85	85	
2.2	Actual/Projected Availability	%		55.84	55.84			45.04		60		
3	Plant Load Factor (PLF)											
3.1	Target PLF for Incentive	%	75	75	75	75	75	75	75	85	85	
3.2	Actual/Projected PLF	%		49.55	49.55			47.16				
4	Gross Generation											
4.1	Scheduled Generation	MU	232.18	232.18	232.18	232.18	219.06	219.06	219.06	285.79	285.79	
4.2	Actual/Projected Gross Generation	MU		271.27	271.27	271.27		258.89		328.50		
5	Auxiliary Consumption											
5.1	Normative Auxiliary Energy Consumption	%	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	10.00	
5.2	Actual/Projected Auxiliary Energy	%		14.41	14.41			15.39		13.00		
5.3	Actual/Projected Auxiliary Energy	MU		39.09	39.09			39.84		42.71		
5.4	Net Generation	MU		232.13	232.18			219.06		285.79		
6	Gross Station Heat Rate											
6.1	Normative Gross Station Heat Rate	kcal/kWh	3000	3000	3000	3000	3000	3000	3000	3000	3000	
6.2	Actual/Projected Gross Station Heat Rate	kcal/kWh		2746	2746			3246				
7	Secondary Fuel Oil Consumption											
7.1	Normative Secondary Fuel Oil Consumption	ml/kWh	2	2	2	2	2	2	2	0.5	0.5	
7.2	Actual/Projected Secondary Fuel Oil Consumption	ml/kWh		3.48	3.48			4.259				
8	Transit Loss											
8.1	Normative Transit Loss	%	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	
8.2	Actual/Projected Transit Loss	%		0.8	0.8			0.8		0.8		

Form 11: Fuel Details for computation of Energy Charge Rate

S. No.	Particulars	Units	Year (n-1) (FY 2022-23)												Current Year n (FY 2023-24)																		
			Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep													
A	Opening Quantity																																
1	Opening quantity of coal	MT	8182.38	14543.1	9460.97	11814.5	13313.3	8558.08	12368.5	15243	11231.6	4297	15379.9	498.35	12369	8144	4313	5035	4026	2231													
2	Value of stock	Rs in Crs	2.46	6.27	4.33	5.31		2.96	3.77	7.25	5.26	8.93	7.02	2.23	4.68	3.54	2.09	2.48	2.08	1.22													
B	Procurement																																
3	Quantity of coal supplied by the coal company	MT	16929	18812	24037	19863	20420	27169	55.8	1570	12875	7801	0	25342	14098	20871	22277	22734	18846	7109													
4	Adjustment in coal quantity supplied by the coal company (3+4)	MT																															
5	Coal supplied by coal company (3+4)	MT	16929	18812	24037	19863	20420	27169	55.8	1570	12875	7801	0	25342	14098	20871	22277	22734	18846	7109													
6	Normative freight and handling loss	MT	135	150	182	159	193	217	71	93	102	141	203	203	113	181	178	182	151	58													
7	Net coal supplied	MT	16793.5	18661.2	23854.3	19704.2	20266.7	26952.7	55.44	1477	12772.2	7660	0	25139.4	13976.5	20704.6	22098.1	22551.7	18695.4	7144.11													
C	Price																																
8	Amount charged by coal company	Rs in Crs	8.60	7.58	10.07	8.19	8.36	11.12	3.63	4.76	5.32	6.08	0.00	8.98	6.33	9.96	10.37	11.39	9.89	3.58													
9	Adjustment in amount charged by the coal company	Rs in Crs	0.37	1.09	0.24	0.89	0.74	1.04	0.48	0.49	0.70	1.21	0.00	0.02	0.18	0.19	0.10	-0.04	-0.24	-0.19													
10	Handling, sampling and such other similar charges	Rs in Crs	0.09	0.10	0.11	0.13	0.11	0.11	0.11	0.12	0.10	0.12	0.11	0.03	0.26	0.10	0.14	0.18	0.15	0.13													
11	Total amount charged (8+9+10)	Rs in Crs	7.05938	8.76633	10.413	9.20237	9.21208	12.2708	4.22654	5.35446	6.1467	7.40181	0	9.28162	6.6154	10.204	10.542	11.5084	9.56403	3.42507													
D	Transportation																																
12	Transportation charges																																
	By rail	Rs in Crs																															
	By road	Rs in Crs	0.17	0.20	0.24	0.20	0.21	0.30	0.30	0.12	0.14	0.17	0.00	0.22	0.16	0.22	0.25	0.24	0.20	0.08													
	By ship	Rs in Crs																															
13	Adjustment in amount charged by the coal transporter	Rs in Crs																															
14	Demurrage charges, if any	Rs in Crs																															
15	Cost of diesel in trans-shipment coal through MGR system, if applicable	Rs in Crs																															
16	Total Transportation charges (12+13+14+15)	Rs in Crs	0.17	0.20	0.24	0.20	0.21	0.30	0.30	0.12	0.14	0.17	0.00	0.22	0.16	0.22	0.25	0.24	0.20	0.08													
17	Total amount of charges for coal supplied including transportation (11+16)	Rs in Crs	7.23	8.96	10.65	9.40	9.43	12.57	4.53	5.48	6.28	7.57	0.00	9.48	6.77	10.42	10.90	11.75	9.76	3.60													
E	Total Cost																																
18	Landed cost of coal (2+17)(1+7)	Rs /MT	4280.64	4573.82	4977.74	4664.41	4667.65	4687.48	4769.44	4764.84	4350.64	4667.31	4667.31	3788.31	4348.88	4841.19	4515.09	5155.51	6210.9	6088.15													
19	Blending Ratio (Domestic/Imported)																																
20	Weighted average cost of coal for preceding three months	Rs /MT																															
F	Quality																																
21	GVV of Domestic Coal of the opening coal stock as per bill of Coal Company	kcal/kg																															
22	GVV of Domestic Coal supplied as per bill of Coal Company	kcal/kg																															
23	GVV of Imported Coal of the opening stock as per bill of Coal Company	kcal/kg																															
	GVV of Imported Coal supplied as per bill of Coal Company	kcal/kg																															
25	Weighted average GCV of coal as Billed	kcal/kg	4480	4486	4230	4449	4361	4385	4337	4429	4528	4479	0	3571	3974	4203	4188	4340	4550	4310													
26	GVV of Domestic Coal of the opening stock as received at Station	kcal/kg																															
27	GVV of Domestic Coal supplied as received at Station	kcal/kg																															
28	GVV of Imported Coal of opening stock as received at Station	kcal/kg																															
29	GVV of Imported Coal of opening stock as received at Station	kcal/kg																															
30	Weighted average GCV of coal as Received	kcal/kg	3635	3711	3766	3723	3632	3630	3576	3639	3673	3608	3670	3625	3623	3619	3618	3641	3993	3637													

Notes:
1. Similar details to be furnished for secondary fuel oil for coal based thermal plants with appropriate units.
2. As billed and as received GCV, quantity of coal, and price should be submitted as certified by statutory auditor.
3. Details to be provided for each source separately, in case of more than one source, add additional column.
4. Break up of the amount charged by the Coal Company is to be provided separately.

Form 11.1: Fuel Details for computation of Energy Charge Rate

S. No.	Particulars	Units	Year n-1 (FY 2022-23)												Current Year 'n' (FY 2023-24)																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																										
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Note:
1. Stationer details to be furnished for secondary fuel oil for coal based thermal plants with appropriate units.
2. As billed and as received GCV, quantity of oil, and price should be submitted as certified by stationer.
3. Details to be provided for each source separately. In case of more than one source, add additional column.
4. Break up of the amount charged by the Coal Company is to be provided separately.

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Form 12 : Energy Charge Rate

Particulars	Legend	Units	(FY 2022-23)				Current Year 'n'			Control Period	
			MYT/Tariff Order	Apr-Mar	True-Up requirement	MYT/Tariff Order	Apr - Mar	Estimated	Projected		
			Approved	Audited	Claimed	Approved	Estimated	Estimated	Projected		
Auxiliary Consumption	AUX	%	10	14.41	14.41	10.00	15.39	10	10		
Gross Station Heat Rate	GSHR	kcal/kWh	3000	2747	2746.63	3000	3246	3000	3000		
Secondary Fuel oil consumption	SFC	ml/kWh	2	3.482667	3.48	2	4.26	0.5	0.5		
Calorific Value of Secondary Fuel	CVSF	kcal/ml	9381	9381	9381.00	9381	9381	9381	9381		
Landed Price of Secondary Fuel	LPSF	Rs./ml	0.11	0.11	0.11	0.08	0.08	0.08	0.08		
Gross Calorific Value of Coal	CVPF	kcal/kg	3667	3667	3667.13	3615	3615	3577	3577		
Landed Price of Coal	LPPE	Rs./kg	4.56	4.56	4.56	4.94	4.94	4.94	4.93		
Specific Coal Consumption		kg/kWh	0.813	0.74	0.74	0.82	0.89	0.84	0.84		
Cost Cost/kwh		Rs/kwh	4.117	3.941	3.941	4.526	5.177	4.589	4.589		
Oil Cost/kwh		Rs/kwh	0.235	0.430	0.430	0.186	0.420	0.045	0.045		
ECR		Rs./kWh	4.352	4.371	4.371	4.711	5.597	4.534	4.534		

* Energy Charges provisionally computed for FY 2024-25 based on actual weighted average cost of primary fuel and secondary fuel during January-24, February-24 and March-24. However, actual energy charges shall be claimed as per TGERC regulation 2 of 2023.

<<TGENCO>>
<RTS-B>
Form 13: Sales

FY 2022-23

Audited

Beneficiary	(MU)											
	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar
TSSPDCL (70.55%)	8.03	20.28	19.10	15.40	19.39	17.25	4.39	12.65	7.29	13.18	14.10	12.74
TSNPDCL (29.45%)	3.35	8.47	7.97	6.43	8.09	7.20	1.83	5.28	3.04	5.50	5.89	5.32
Total	11.39	28.75	27.07	21.83	27.48	24.45	6.22	17.94	10.33	18.68	19.98	18.06
												232.19

FY 2023-24

Estimated

Beneficiary	(MU)											
	Actuals						Estimated					
	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar
TSSPDCL (70.55%)	13.85	17.38	18.01	17.36	16.95	2.45	1.21	13.15	16.21	17.45	14.20	9.34
TSNPDCL (29.45%)	5.78	7.24	6.26	7.25	7.07	1.02	0.51	5.49	6.77	7.29	5.93	3.90
Total	19.63	24.60	21.27	24.61	24.02	3.47	1.72	18.64	22.98	24.74	20.13	13.24
												219.05

FY 2024-25

Projected

Beneficiary	(MU)											
	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar
TSSPDCL (70.55%)	16.57	17.12	16.57	17.12	17.12	16.57	17.12	16.57	17.12	17.12	15.46	17.12
TSNPDCL (29.45%)	6.92	7.15	6.92	7.15	7.15	6.92	7.15	6.92	7.15	7.15	6.46	7.15
Total	23.49	24.27	23.49	24.27	24.27	23.49	24.27	23.49	24.27	24.27	21.92	24.27
												285.77

<<TGGENCO>>

<RTS-B>

Previous Year (n-1) FY 2022-23

Form 15: Revenue Reconciliation

Audited

S. No.	Particulars	Units	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Total
1	Normative Availability (%)	%	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	80.00
2	Availability during the month (%)	%	29.38	71.00	67.93	50.99	67.76	60.65	82.18	62.63	25.93	44.50	53.34	59.26	82.26
3	Cumulative Availability (%)	%	29.38	50.53	56.27	54.93	57.53	58.04	61.54	61.67	57.64	56.31	56.06	56.33	
4	Target PLF for Incentive	%	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	75.00	80.00
5	Actual PLF during the month (%)	%	30.34	70.56	68.93	54.77	68.74	63.32	17.20	46.15	26.18	47.71	56.78	45.84	
6	Cumulative PLF (%)	%	30.34	50.78	56.76	56.25	58.78	59.53	53.40	52.50	49.54	49.35	49.89	49.55	
7	Gross Generation (MU)	MU	13.65	32.81	31.02	25.47	31.96	28.49	8.00	20.77	12.17	22.19	23.43	21.31	271.27
8	Auxiliary Consumption (MU)	MU	2.26	4.06	3.96	3.64	4.46	4.04	1.78	2.82	1.84	3.51	3.44	3.25	39.08
9	Net Generation (MU)	MU	11.39	28.75	27.07	21.83	27.48	24.45	6.22	17.94	10.33	18.68	19.98	18.06	232.19
10	Generation above target PLF (MU)	MU	-22.36	-6.13	-6.68	-13.04	-7.39	-9.30	-28.65	-15.81	-24.54	-16.19	-11.52	-16.81	-178.44
11	Variable Charges Per Unit	Rs./kWh	2.988	2.988	2.988	2.988	2.988	2.988	2.988	2.988	2.988	2.988	2.988	2.988	2.668
12	Approved Fixed Charges	Rs. Crore	9.44	9.44	9.44	9.44	9.44	9.44	9.44	9.44	9.44	9.44	9.44	9.44	113.24
13	Fuel Surcharge	Rs./kWh	4.118	4.344	4.223	4.397	4.494	4.633	4.639	4.599	4.601	4.420	4.160	3.678	3.629
14	Fixed Charges During Month	Rs. Crore	3.70	9.02	8.52	6.41	8.55	7.62	10.39	7.87	3.20	5.58	6.74	7.46	85.05
15	Energy Charges Amount	Rs. Crore	3.40	8.59	8.09	6.52	8.21	7.31	1.86	5.36	3.09	5.58	5.97	5.40	69.38
16	Amount of Fuel Surcharge Adjustment	Rs. Crore	1.29	3.90	3.34	3.08	4.14	4.02	1.03	2.89	1.67	2.67	2.34	1.25	31.61
17	Incentive Amount	Rs. Crore													0.00
18	Revenue from sale of electricity	Rs. Crore	8.39	21.51	19.96	16.01	20.90	18.95	13.27	16.13	7.95	13.84	15.05	14.10	185.04
19	Other recoveries/adjustments														
	Fuel (savings)/charge year end adjustment														-0.50
	Difference bill issued after MTR order														-0.80
	Waiver Charges														0.16
20	Total Revenue	Rs. Crore	8.39	21.51	19.96	16.01	20.90	18.95	13.27	16.13	7.95	13.84	15.05	14.10	185.10
21	Total Revenue as per Audited Accounts	Rs. Crore													

TGGENCO
KTPP-I
Tariff Filing Formats - Generation
Checklist

S. No.	Form	Title	Tick
1	Form 1	Summary Sheet	✓
2	Form 2	Operation and Maintenance Expenses	✓
3	Form 2.1	Employee Expenses	✓
4	Form 2.2	Administration & General Expenses	✓
5	Form 2.3	Repair & Maintenance Expenses	✓
6	Form 3	Summary of Capital Expenditure and Capitalisation	✓
7	Form 3.1	Statement of Additional Capitalisation after COD	✓
8	Form 3.2	Financing of Additional Capitalisation	✓
9	Form 4	Fixed Assets & Depreciation	✓
10	Form 5	Interest and finance charges on loan	✓
11	Form 6	Interest on working capital	✓
12	Form 7	Return on Equity	✓
13	Form 8	Non-Tariff Income	✓
14	Form 9	Planned & Forced Outages	
15	Form 10	Operational parameters	✓
16	Form 11	Fuel Details for computation of Energy Charge Rate	✓
17	Form 12	Energy Charge Rate	✓
18	Form 13	Sales	✓
19	Form 14	Revenue from Sale of Electricity	
20	Form 15	Revenue Reconciliation	✓
21	Form 16	Summary of true-up	
		Capital Cost Approval*	
22	Form 17	Plant Characteristics (Thermal)	
23	Form 18	Plant Characteristics (Hydel)	
24	Form 19.1	Project Schedule	
25	Form 19.2	Abstract of Capital Cost	
26	Form 19.3	Breakup of Capital Cost	
27	Form 19.4	Breakup of Construction/Supply/Services/Packages	
28	Form 19.5	Financial Package	
29	Form 19.6	Details of Loans	
30	Form 19.7	Phasing of Expenditure, Debt and Equity upto COD	
31	Form 19.8	Interest During Construction and Finance Charges upto COD	

Note: * Applicable only for new Generating Station/Unit for which Provisional/Final tariff approval is being sought

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KTPP-I
Form 1: Summary Sheet

S. No.	Particulars	Units	Reference	FY 2022-23		FY 2023-24		Control Period						Remarks
				MYT/Tariff Order	True-Up requirement	MYT/Tariff Order	April - March	FY 2024-25	FY 2025-26	FY 2026-27	FY 2027-28	FY 2028-29		
				Approved	Audited	Claimed	Estimated	Projected	Projected	Projected	Projected	Projected		
A	Annual Fixed Charges													
1	Operation & Maintenance Expenses	Rs. Crore	Form 2	163.04	208.32	208.32	68.64	215.57	209.15	219.54	230.41	242.08	254.21	
2	Depreciation	Rs. Crore	Form 4	131.41	128.09	128.09	74.16	17.49	17.50	18.52	18.71	20.50	20.50	
3	Interest and finance charges on loan	Rs. Crore	Form 5	1.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	
4	Interest on Working Capital	Rs. Crore	Form 6	33.28	36.62	36.62	33.46	41.88	30.99	31.66	32.35	33.14	33.83	
5	Return on Equity	Rs. Crore	Form 7	143.61	158.39	158.39	43.61	158.40	158.75	159.16	159.71	160.21	160.57	
6	Less: Non-Tariff Income	Rs. Crore	Form 8		25.98	25.98		31.45	28.00	29.13	30.29	31.50	32.78	
7	Annual Fixed Charges	Rs. Crore		472.42	505.45	505.45	419.87	401.89	388.39	399.76	410.91	424.42	436.35	
B	Energy Charges													
1	Energy Charge Rate	Rs./kWh	Form 12	3.34	3.24	3.24	3.51	3.22	3.37	3.44	3.50	3.57	3.65	
2	Scheduled Energy (ex-bus)	MU	Form 10	2978.80	2978.80	2978.80	3621.31	3521.31	3530.38	3527.54	3529.25	3537.21	3530.38	
3	Energy Charges	Rs. Crore		1054.59	966.12	966.12	1235.75	1133.64	1189.25	1212.06	1236.90	1264.48	1287.28	
C	AFC +Energy Charges	Rs. Crore		1527.01	1471.57	1471.57	1655.62	1535.53	1577.64	1611.82	1647.80	1688.91	1723.63	

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KTPP-J

Form 2: Operation and Maintenance Expenses

A. For Existing Generating Stations

S. No.	Particulars	Reference	FY 2022-23				FY 2023-24		Control Period					(Rs. Crore)
			MYT/Tariff Order		True-Up requirement	MYT/Tariff Order	Apr - Mar	FY 2024-25	FY 2025-26	FY 2026-27	FY 2027-28	FY 2028-29		
			Approved	Audited									Approved	
1	Employee Expenses	Form 2.1	130.76	168.54	168.54	136.03	182.32	168.33	178.09	188.42	198.35	210.91		
2	A&G Expenses	Form 2.2	4.33	7.10	7.10	4.42	10.82	10.09	10.59	11.11	11.65	12.22		
3	R & M Expenses	Form 2.3	29.6	32.69	32.69	29.89	22.44	30.73	30.86	30.89	31.08	31.08		
4	Total O&M Expenses		163.04	208.32	208.32	168.54	215.57	209.15	218.54	230.41	242.08	254.21		

Note:

1 The projections for the Control Period to be supported by detailed computations

<TGGENCO>
<KTPP-4>
Form 2.1: Employee Expenses

S.No.	Particulars	FY 2019-20	FY 2020-21	FY 2021-22	FY 2022-23	FY 2023-24	Control Period								(Rs. Crore)	
		Apr-Mar	Apr-Mar	Apr-Mar	Apr-Mar	Apr - Mar	FY 2024-25	FY 2025-26	FY 2026-27	FY 2027-28	FY 2028-29	Projected	Projected			
		Audited	Audited	Audited	Audited	Estimated	Projected	Projected	Projected	Projected	Projected					
1	Basic Salary				88.26	92.80										
2	Dearness Allowance (DA)				2.90	7.91										
3	House Rent Allowance				5.36	5.10										
4	Conveyance Allowance				1.18	1.12										
5	Leave Travel Allowance					0.00										
6	Earned Leave Encashment				19.08	16.59										
7	Other Allowances				21.95	17.40										
8	Medical Reimbursement				3.47	1.31										
9	Overtime Payment				0.00	-										
10	Bonus/Ex-Gratia Payments				0.09	-										
11	Interim Relief / Wage Revision				0.00	0.00										
12	Staff welfare expenses				2.03	2.09										
13	VRS Expenses/Retrenchment Compensation				0.00	-										
14	Commission to Directors				0.00	-										
15	Training Expenses				0.00	-										
16	Payment under Workmen's Compensation Act				0.07	-										
17	Net Employee Costs				144.37	144.42										
18	Terminal Benefits				0.00	-										
18.1	Provident Fund Contribution				9.56	10.21										
18.2	Provision for PF Fund				0.00	-										
18.3	Pension Payments				0.00	-										
18.4	Gratuity Payment				14.51	27.69										
19	Unfunded past liabilities of pension & gratuity				0.00	-										
20	Others				0.00	-										
21	Gross Employee Expenses	0.00	0.00	0.00	168.54	182.32	168.33	178.09	188.42	199.35	210.91					
22	Less: Expenses Capitalised				0.00	0.00										
23	Net Employee Expenses	111.80	123.30	124.72	168.54	182.32	168.33	178.09	188.42	199.35	210.91					

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KTPP-I
Form 2.2 : Administration & General Expenses

S. No.	Particulars	FY 2019-20		FY 2020-21		FY 2021-22		FY 2022-23		FY 2023-24		Control Period				(Rs. Crore)	
		Apr-Mar		Apr-Mar		Apr-Mar		Apr-Mar		Apr - Mar		FY 2024-25		FY 2026-26		FY 2027-27	
		Audited		Audited		Audited		Audited		Estimated		Projected		Projected		Projected	
1	Rent Rates & Taxes	0.15		0.16		0.41		0.27		0.39							
2	Insurance	2.58		2.76		2.82		2.70		2.62							
3	Telephone & Postage, etc.	0.09		0.07		0.07		0.14		0.14							
4	Legal charges & Audit fee	0.14		0.11		0.08		0.14		0.11							
5	Professional, Consultancy, Technical fee	0.03		0.02		0.14		0.09		0.04							
6	Conveyance & Travel	0.12		0.06		0.03		0.08		0.08							
7	Electricity charges	0.09		1.00		2.14		1.26		1.28							
8	Water charges	0.01		0.01		0.00		0.00		0.00							
9	Security arrangements	0.05		0.06		0.05		0.06		0.07							
10	Fees & subscription	0.03		0.13		0.03		0.02		0.02							
11	Books & periodicals	0.00		0.00		0.00		0.00		0.00							
12	Computer Stationery	0.00		0.00		0.00		0.00		0.00							
13	Printing & Stationery	0.01		0.02		0.01		0.02		0.02							
14	Advertisements	0.68		0.05		0.10		0.05		0.07							
15	Purchase Related Advertisement Expenses	0.00		0.00		0.00		0.00		0.00							
16	Contribution/Donations	0.00		0.00		0.00		0.00		0.00							
17	License Fee and other related fee	0.00		0.00		0.00		0.00		0.00							
18	Vehicle Running Expenses Truck / Delivery Van	0.03		0.02		0.02		0.03		0.03							
19	Vehicle Hiring Expenses Truck / Delivery Van	1.18		1.05		1.13		1.19		1.19							
20	Cost of services procured	0.00		0.00		0.00		0.00		0.00							
21	Outsourcing of metering and billing system	0.00		0.00		0.00		0.00		0.00							
22	Freight On Capital Equipments	0.08		0.02		0.02		0.03		0.02							
23	Vsat, Internet and related charges	0.00		0.00		0.00		0.00		0.00							
24	Training	0.06		0.01		0.04		0.02		0.04							
25	Bank Charges	0.00		0.00		0.00		0.00		0.00							
26	Miscellaneous Expenses	0.00		0.00		0.00		0.00		0.00							
27	Office Expenses	0.00		0.00		0.00		0.01		0.01							
28	Others	0.20		0.12		7.50		0.98		4.69		10.09		10.59		11.11	
29	Gross A & G Expenses	5.54		5.66		14.60		7.10		10.82		10.09		10.59		11.11	
30	Less: Expenses Capitalised	0.00		0.00		0.00		0.00		0.00							
31	Net A & G Expenses	5.54		5.66		14.60		7.10		10.82		10.09		10.59		11.11	
																11.65	12.22
																11.65	12.22
																11.65	12.22

<TOGENCO>
<KTTP-I>
Form 2.3: Repair & Maintenance Expenses

S. No.	Particulars	FY 2019-20		FY 2020-21		FY 2021-22		FY 2022-23		FY 2023-24		Control Period						(Rs. Crore)
		Apr-Mar Audited	Apr-Mar Audited	Apr-Mar Audited	Apr-Mar Audited	Apr-Mar Audited	Apr - Mar Estimated	FY 2024-25 Projected	FY 2025-26 Projected	FY 2026-27 Projected	FY 2027-28 Projected	FY 2028-29 Projected						
1	Plant & Machinery	28.03	15.42	23.76	27.44	17.60												
2	Buildings	0.00	0.00	0.00	0.00	0.00	-											
3	Civil Works	2.80	2.19	2.59	3.27	3.83												
4	Hydraulic Works	0.00	0.00	0.00	0.00	0.00	-											
5	Lines & Cable Networks	0.86	0.50	0.89	1.72	0.75												
6	Vehicles	0.00	0.00	0.00	0.00	0.02												
7	Furniture & Fixtures	0.00	0.00	0.00	0.00	0.00												
8	Office Equipment	0.17	0.35	0.40	0.28	0.24	0.24	30.73	30.86	30.89	31.08	31.08	31.08	31.08	31.08	31.08	31.08	
9	Gross R&M Expenses	31.86	18.46	27.64	32.69	22.44	22.44	30.73	30.86	30.89	31.08	31.08	31.08	31.08	31.08	31.08	31.08	
10	Gross Fixed Assets at beginning of year	2149.48	2152.84	2188.98	2548.83	2549.00	2549.00	2548.14	2560.43	2562.34	2578.25	2578.25	2578.25	2578.25	2578.25	2578.25	2578.25	
11	R&M Expenses as % of GFA at beginning of year	1.49%	0.86%	1.26%	1.28%	0.88%	0.88%	1.21%	1.21%	1.21%	1.21%	1.21%	1.21%	1.21%	1.21%	1.21%	1.21%	

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<KPPP-I>

Form 3: Summary of Capital Expenditure and Capitalisation

S. No.	Particulars	FY 2022-23			FY 2023-24		Control Period					(Rs. Crore)	
		MYT/Tariff Order	Apr-Mar	True-Up requirement	MYT/Tariff Order	Apr - Mar	FY 2024-25	FY 2025-26	FY 2026-27	FY 2027-28	FY 2028-29		
		Approved	Audited	Claimed	Approved	Estimated	Projected	Projected	Projected	Projected	Projected		
1	Opening Capital Works in Progress												
2	Capital Expenditure during the year		0.17	0.17		0.14	11.29	1.91	15.91	Projected	11.57		
3	Capitalisation during the year		0.17	0.17		0.14	11.29	1.91	15.91	0.00	11.57		
4	Closing Capital Works in Progress	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	#VALUE!	0.00		

<TIGGENCO>
<KIPP-I>
Form 3.1: Statement of Additional Capitalisation after COO

S. No.	FY	Name of the package (BTG, BoP, Civil Works etc.)	Name of the work	Total estimated cost* (Rs. Crore)	Capital expenditure during the year (Rs. Crore)	Capitalisation during the year (Rs. Crore)	Asset group under which the capitalisation has been accounted (Land, Buildings, etc.)	Scope of work	Relevant Clause of the TSPRC MYT Regulation, 2023 under which the capitalisation has been claimed	Justification
1	Year (n-1)	Year (2022-23)								
1	FURNITURE & FIXTURES				0.03	0.03	FURNITURE & FIXTURES			
2	COMPUTERS				0.15	0.15	COMPUTERS			
	Total			0.00	0.17	0.17				
	Year (n-1)	Year (2023-24)								
1	FURNITURE & FIXTURES				0.01	0.01	FURNITURE & FIXTURES			
2	OFFICE EQUIPMENT				0.01	0.01	OFFICE EQUIPMENT			
	Actual				0.14	0.14				
	Estimated				0.14	0.14				
	Total			0.00	0.14	0.14				
1	Year (n-1)	Year (2024-25)								
2	IT Initiatives				2.34	2.34				
3	The details are attached as Annexure				8.95	8.95				
	Total			0.00	11.29	11.29				
1	Year (n-2)	Year (2025-26)								
2										
3	The details are attached as Annexure				1.91	1.91				
	Total			0.00	1.91	1.91				
1	Year (n-3)	Year (2026-27)								
2										
3										
	Total									
	Year (n-4)	Year (2027-28)								
1										
2										
3										
	Total			0.00	15.91	15.91				
	Year (n-5)	Year (2028-29)								
1										
2										
3										
	Total			0.00	0.00	0.00				
	Year (n-6)	Year (2029-30)								
1										
2										
3										
	Total			0.00	11.57	11.57				
	Year (n-7)	Year (2030-31)								
1										
2										
3										
	Total			0.00	11.57	11.57				

* Total estimated cost to be supported by documentary evidences like work orders, treatment approvals etc.

TELANGANA STATE POWER GENERATION CORPORATION
KAKATIYA THERMAL POWER PROJECT
Form 3.1: Statement of Additional Capitalisation after COD
Stage-I (1X500MW)

S. No.	FY	Name of the package (BTG, BoP, Civil Works etc.)	Name of the work	Total estimate d cost* (Rs. Crore)	Capital expenditure during the year (Rs. Crore)	Capitalisation during the year (Rs. Crore)	Asset group under which the capitalisation has been accounted (Land, Buildings, etc.)	Scope of work	Relevant Clause of the TSERC MYT Regulation, 2023 under which the capitalisation has been claimed	Justification	Included in Approved Project Cost or Not
A	Year 2022-23 (n-1)		Total 2022-23	Nil	Nil	Nil					
B	Current Year 2023-24 'n'		Total 2023-24	Nil		Nil					
C	Year 2024- 25 (n+1)										
1			Construction of proposed Multi Purpose function hall		3.00	3.00			22.3(i)- Additional Capitalisation	The Chairman & Managing Director/TGGENCO during his visit to KTPP on 27.01.2020, has proposed to construct and spare the the multipurpose hall to KTPP employees and local public other than employees of KTPP for performing marriages and other functions on rental basis as this proposed area is located nearer to the main road connected to villages of surrounding area.	Works not included in Approved project Cost (Non project cost)
2			Extension of Existing School Building		2.00	2.00			22.3(i)- Additional Capitalisation	With the construction of new staff quarters D, E and F Type quarters in KTPP colony, the colony residents are increased and number of admissions in DAV High School/KTPP were increased. There are request from villagers of surrounding areas to provide education in the existing DAV school in KTPP colony. Parents Association of DAV High School/KTPP have requested the management to expand the school building as the school strength increased from 250 to almost 750 Nos. Due to increase in strength of children each class, children are not feeling comfortable and it is becoming difficult for students as the strength is more. TGGENCO has decided to adopt CBSE syllabus in DAV school which requires additional class rooms in order to accommodate more students & to meet the CBSE norms extension of existing school building is proposed.	Works not included in Approved project Cost (Non project cost)

S. No.	FY	Name of the package (BTD, BoP, Civil Works etc.)	Name of the work	Total estimate of cost (Rs. Crore)	Capital expenditure during the year (Rs. Crore)	Capitalisation during the year (Rs. Crore)	Asset group under which the capitalisation has been accounted (Land, Buildings, etc.)	Scope of work	Relevant Clause of the TSERC MY Regulation 2023 under which the capitalisation has been claimed	Justification	Included in Approved Project Cost or Not
3			Construction of A Type (1No) & B type(2Nos) quarters		1.70	1.70			22.3(i)- Additional Capitalisation	At present 5 Nos B Type quarters are available to provide accommodation to its equivalent cadre in the KTPP colony. There is no A-type quarter available to provide accommodation to the Chief Engineer/O&M/KTPP. As there is shortage of quarters, Superintending Engineer "Equivalent cadre is staying in step-down quarters. The Chief Engineer/O&M/KTPP is residing in step-down quarter. Hence, it is proposed to construct one (01) No. A Type quarter and two (02) Nos B Type quarters to provide eligible quarters to Engineers.	Works not included in Approved project Cost (Non project cost)
4			Preparation of play ground for various sports		0.50	0.50			22.3(i)- Additional Capitalisation	Presently, there are 868 Nos quarters were available in the KTPP colony to provide accommodation to employees/Staff in the KTPP colony. About 2500 Nos employees are residing in the KTPP colony. Play ground is available with limited area in a controlled environment. KTPP employees and Associations /Unions were continuously requesting to extend the play ground area for practicing of sports like Basketball Kabaddi etc.,	Works not included in Approved project Cost (Non project cost)
5			TGGENCO - Laying of BT pavement with DBM and SDBC along the Peripheral Road towards north side of Stage I reservoir in KTPP.		0.80	0.80			22.3(i)- Additional Capitalisation	The main approach road from Main Gate-I to Service Building was laid during the construction of Stage I plan. In 2013, Over the period of time, the road has been damaged due to the movement of heavy loaded trucks, departmental vehicles and other vehicles. Further, during the construction works of Stage II inside the power plant premises, the road has been used for the transportation of materials, heavy machinery required for the construction which resulted in formation of huge pot holes along the road. In this connection, it has become problematic for the employees working in the plant for attending daily duties. In this regard, it was instructed to provide an estimate for laying of SDBC layer on the existing BT road. Hence, the work is necessitated	Works not included in Approved project Cost (Non project cost)

S. No.	FY	Name of the package (BTG, BOP, Civil Works etc.)	Name of the work	Total estimate of cost* (Rs. Crore)	Capital expenditure during the year (Rs. Crore)	Capitalisation during the year (Rs. Crore)	Asset group under which the capitalisation has been accounted (Land, Buildings, etc.)	Scope of work	Relevant Clause of the TSERC MYT Regulation, 2023 under which the capitalisation has been claimed	Justification	Included in Approved Project Cost or Not
6			TGGENCO – Laying of 25mm thick SDBC layer along the main road from R&B road to Service Building.		0.50	0.50			22.3(i) Additional Capitalisation	The peripheral WBM road was laid during the construction of Stage-I plant in 2010. Over the period of time, the road has been damaged due to the movement of patrolling vehicles, reject coal tractors and other vehicles etc. Further, the peripheral road has been used for the transportation of materials, machinery required for the construction works of TSTRANSCO Sub Station located inside the KTRP power plant premises which resulted in formation of huge pot holes along the road. In this connection, it has become problematic for the electrical wing during the rainy season for patrolling along the WBM road. In this regard, it was instructed to provide an estimate for laying of BT road on the existing WBM road. Hence, the work is necessitated.	Works not included in Approved project Cost (Non Project cost)
7		BTG	Stage-1-C&I-Up-gradation of MAX DNA System	0.60	Nil	Nil	Plant & Machinery (1300)	Up-gradation of MAX DNA System	(Additional Capitalization)	Upgradation of existing maxDNA version 4.2.1 to 4.5. The existing maxDNA Version installed at KTRP was 4.2, which is one of the older version of maxDNA, it was observed that some complaints like halting of communication between DPU's and HMI is being related to these older versions, hence up-gradation to latest versions was proved to be effective solution in other plants of Dr.NTPS and RTTP and in consultation with M/s.Bhel the proposal was prepared.	Works not included in Approved project Cost (Non Project cost)
8		BTG	Stage-1-C&I-Up-gradation of Vibration monitoring analysis system (VMS)	0.40	Nil	Nil	Plant & Machinery (1300)	Up-gradation of Vibration monitoring analysis system	(Additional Capitalization)	Installation and Commissioning of Processor & Vibration monitoring cards in the VMS Panel. Installation of RV-200 Software in the new Workstation provided by M/s.Forbes Marshall. The existing Vibration monitoring System is RV-100 of M/s. Forbes Marshall make which is obsolete, the spares are not available in plant and the firm suggested to upgrade with RV-200 system.	Works not included in Approved project Cost (Non Project cost)
9		BTG	Stage-1-C&I-Up-gradation of High temperature O2 analyzer System	0.25	Nil	Nil	Plant & Machinery (1300)	Up-gradation of High temperature O2 analyzer System	(Additional Capitalization)	Installation and commissioning of new High temperature O2 analyzer of M/s. YOKAGAWA make in place of old O2 analyzer. The existing analyzer output is not stable to be utilized in the secondary air flow control loop. Also the output is not accurate and is effected by atmosphere conditions.	Works not included in Approved project Cost (Non Project cost)
10		BOP	Stage-1-C&I-Up-gradation of SWAS analysers.	0.50	Nil	Nil	Plant & Machinery (1300)	Up-gradation of SWAS analysers.	(Additional Capitalization)	Installation and commissioning of new DO analyzer along with sensor in SWAS system. The existing DO analyzer is of membrane type. The life of membrane is very less and replacing it needs services of OEM/OES. The cost of spares(membrane, electrode & electrolyte) is high are to be replaced frequently.	Works not included in Approved project Cost (Non Project cost)

S. No.	F.Y.	Name of the package (BTG, BOP, Civil Works etc.)	Name of the work	Total estimate of cost* (Rs. Crore)	Capital expenditure during the year (Rs. Crore)	Capitalisation during the year (Rs. Crore)	Asset group under which the capitalisation has been accounted (Land, Buildings etc.)	Scope of work	Relevant Clause of the TSERC MYT Regulation, 2023 under which the capitalisation has been claimed	Justification	Included in Approved Project Cost or Not
11		BOP	Stage-1-C&I-Up-gradation of GE make Plc at CPU PLC	0.24	Nil	Nil	Plant & Machinery (1300)	Up-gradation of GE make Plc at CPU PLC	GE 22.3(i) (Additional Capitalization)	Upgradation of PME logic developer and Cimplicity SCADA software along with Desktop PC at Condensate Polishing Unit(CPU).The existing system was installed during 2009-10 and is in service running 24 hours in a day. The workstation is frequently facing troubles and interrupting the operation. The Running workstation is prone to fail at any time because of ageing and continuous operation. The PC hardware, Windows, PME logic developer and Cimplicity SCADA software version of the existing PLC systems are obsolete. If the running PLC workstation fails, there will be interruption in the operation of the Condensate Polishing Unit(CPU) as all the equipment are operated from PLC.	Works not included in Approved project Cost (Non Project cost)
12		BOP	Stage-1-C&I-Up-gradation of GE make Plc at Compressor House.	0.20	Nil	Nil	Plant & Machinery (1300)	Up-gradation of GE make Plc at Compressor House.	GE 22.3(i) (Additional Capitalization)	The scope of up-gradation includes the upgradation of PME software (logic) and Cimplicity SCADA software and procurement of PC at compressor house. The existing system was commissioned during 2009-10 and is in service till now. The workstation is frequently facing troubles and interrupting the operation. The Windows, Programmable Logic and SCADA application software of the existing PLC systems are obsolete. If the running PLC workstation fails, there will be interruption in the operation of the Compressors as all the equipment are operated from PLC. The Running workstation is prone to fail at any time because of ageing and continuous operation.	Works not included in Approved project Cost (Non Project cost)
13			TGGENCO. Design,Supply,Construction,Erection,testing and commissioning of 1 MLD(100 Cum per day) capacity sewage treatment plant including civil works and E&M works etc. with MBBR system including network complete on EPC basis in KTHP Power house area.			0.45645455			23.1 - Additional Capitalisation	1.As per requirement of consent condition issued by state pollution control board 2 And also as per ISO 14001:2015 certification audit conducted on Dt:30.05.2024 at KTHP (reference is here with enclosed)	1.As per requirement of consent condition issued by state pollution control board 2 And also as per ISO 14001:2015 certification audit conducted on Dt:30.05.2024 at KTHP (reference is here with enclosed)
Total 2024-25				2.19	8.50	8.95					

S. No.	FY	Name of the package (BTG, BoP, Civil Works etc.)	Name of the work	Total estimate cost* (Rs. Crore)	Capital expenditure during the year (Rs. Crore)	Capitalisation during the year (Rs. Crore)	Asset group under which the capitalisation has been accounted (Land, Buildings, etc.)	Scope of work	Relevant Clause of the TSERC MYT Regulation, 2023 under which the capitalisation has been claimed	Justification	Included in Approved Project Cost or Not
P	Year 2025-26 (n+2)										
1			TGGENCO-Taking up of raising of existing Ash pond bund including three wells from EL (+) 182.70 M to EL (+) 187.70 M.		10.00	0.00			22.3(v) (Additional Capitalization)	The top level of existing Ash pond bund is 182.70 M. After considering a free board of 0.50 M, the maximum level up to which the ash can be filled is 182.20 M and this corresponds to a total storage capacity of 47,04,381 cum (approximately). At present, the ash is filled up to an average elevation of 178.80 M and this corresponds to a capacity of 30,17,800 cum (approximately). Hence, the balance available storage capacity is 16,86,581 cum. This storage capacity is sufficient to stack ash for a period of 1 year under worst case of utilization i.e. zero utilization. Hence, raising up of existing ash pond bund including 3 Nos wells upto EL (+) 187.70M is essential.	Works not included in Approved project Cost (Non project cost)
2			Installation of Flue Gas Desulfurization (FGD) and Up-gradation of Electrostatic Precipitators(ESP) at KTPP-I&II as required as per CFO of KTPP Stage-I&II and MOEF&CC						23.1 - Additional Capitalisation	Installation of Pollution Control Equipment at KTPP-I&II is required to meet the MOEF &CC guidelines dated 07.12.2015 & 19.10.2020. Budget will be finalized by the CE/Gen/TGGENCO as the proposals processing at Head Quarters	Works not included in Approved project Cost! (Non project cost)
3			TGGENCO-Construction of Kakatiya Kalahoramam at the entrance approach road of KTPP.		1.00	1.00			22.3(i) (Additional Capitalization)	The land acquisition process for the main entrance of approach road from R&B road to plant is under progress. Further, the shops are being opened by the private person's beside the main entrance and along the approach road from R&B road to KTPP. In order to prevent encroachment of TGGENCO land and at the main entrance and also for the aesthetic appearance of the plant entrance, the higher officials have instructed to provide Kakatiya Kalahoramam at the main entrance.	Works not included in Approved project Cost! (Non project cost)
4			TGGENCO-Design, Supply, Construction, Erection, Testing and commissioning of 1 MLD(100 Cum per day) capacity sewage treatment plant including civil works and E&M works etc. with MBBR system including network complete on EPC basis in KTPP Power house area.			0.91			23.1 - Additional Capitalisation	1.As per requirement of consent condition issued by state pollution control board 2 And also as per ISO 14001:2015 certification audit conducted on Dt:30.05.2024 at KTPP (reference is here with enclosed)	1.As per requirement of consent condition issued by state pollution control board 2 And also as per ISO 14001:2015 certification audit conducted on Dt:30.05.2024 at KTPP (reference is here with enclosed)
5			Stage-I,MM+Design,Engineering, Manufacturing, Testing, Inspection and Supply of BD 355 Bull Dozer for Coal Handling Plant of KTPP-I&II		6.00		Vehicles(1700)	To feed the coal at chp hoppers in bunkers of stage-I & II and making yard and making way to the lorries at hopper shed.	22.3(i) (Additional Capitalization)	There are 5 No BD155 Dozers & 4 No BD355 Dozers are available. Existing 5 no BD155 dozers run more than 25,000 running hours. As per M/s BEML norms Life of BD355 dozer is 9 years or 16000 hours. Life of all the BD155 & 2 No BD355 dozers are completed Except 2 No new BD355 Dozers. As the additional coal handling plant also commissioned and coal feeding has taken through both the hopper, for smooth operation of coal feeding from both hoppers at KTPP additional dozers are required.	Not included in Approved project Cost (Project cost)
Total 2025-26					17.00	1.91		10.86			

S. No.	F.Y.	Name of the package (BTQ, BOP, Civil Works etc.)	Name of the work	Total estimate of cost* (Rs. Crore)	Capital expenditure during the year (Rs. Crore)	Capitalisation during the year (Rs. Crore)	Asset group under which the capitalisation has been accounted (Land, Buildings, etc.)	Scope of work	Relevant Clause of the TSEERC MYT Regulation, 2023 under which the capitalisation has been claimed	Justification	Included in Approved Project Cost or Not
E	Year 2026-27 (n+3)										
1			TGGENCO-Taking up of raising of existing Ash pond bund including three wells from EL (+) : 82.70 M to EL (+) 187.70 M.		11.36	15.91			22.3(v) (Addition of Capitalization)	The top level of existing Ash pond bund is 182.70 M. After considering a free board of 0.50 M, the maximum level up to which the ash can be filled is 182.20 M and this corresponds to a total storage capacity of 47,04,391 cum (approximately). At present, the ash is filled up to an average elevation of 176.80 M and this corresponds to a capacity of 30,17,800 cum (approximately). Hence, the balance available storage capacity is 16,86,591 cum. This storage capacity is sufficient to stack ash for a period of 1 year under worst case of utilization i.e. zero utilization. Hence, raising up of existing ash pond bund including 3 Nos wells upto EL(+) 187.70M is essential.	Works not included in Approved project Cost (Non project cost)
F	Year 2027-28 (n+4)		Total 2026-27		11.36	15.91					
			Total 2027-28		Nil	Nil					
	Year 2028-29 (n+5)		Total 2028-29		Nil	Nil					

<TGGENCO>
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Form 3.2: Financing of Additional Capitalisation

S. No.	Particulars	FY 2022-23		FY 2023-24		Control Period				
		Actual	0.17	Estimated	0.14	FY 2024-25	FY 2025-26	FY 2026-27	FY 2027-28	FY 2028-29
1	Additional capitalisation					Projected	Projected	Projected	Projected	Projected
						11.29	1.91	15.91	0.00	11.57
2	Financing Details									
	Loan 1									
	Loan 2									
	...									
	Total Loan		0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
3	Equity		0.05	0.04		2.82	0.48	3.98	0.00	2.89
4	Internal Resources		0.12	0.10		8.47	1.43	11.93	0.00	8.68
5	Others (Please Specify)									
6	Total (2+3+4+5)		0.17	0.14		11.29	1.91	15.91	0.00	11.57

Form 4: Fixed Assets & Depreciation

(Rs. Crore)

FY 2022-23													RS. Crore
S.No.	Asset Group	A/c Code	Rate of Depreciation	Gross fixed Assets			Provisions for depreciation				Net fixed Assets		
				At the beginning of the year	Additions during the year	Adjust. & deductions	At the end of the year	Cumulative upto the beginning of the year	Additions during the year	Adjust. during the year	Cumulative at the end of the year	At the beginning of the year	At the end of the year
1	Land & Land Rights	1000	0.00%	22.20	0.00	0.00	22.20	0.00	0.00		0.00	22.20	22.20
2	LAND DEPOSITS FOR ACQUISITION OF LAND AT KIPP	1010	0.00%	41.58	0.00	0.00	41.58	0.00	0.00		0.00	41.58	41.58
3	Buildings	1100	3.34%	142.69	0.00	0.00	142.69	90.76	4.77		95.52	51.93	47.17
4	Lines & Cable Network	1200	5.26%	165.50	0.00	0.00	165.50	137.63	8.74		146.37	27.87	19.13
5	Plant & Machinery	1300	5.28%	1789.00	0.00	0.00	1789.00	1520.24	94.46		1614.70	266.75	174.30
6	Capital Spares	1400	5.28%	27.45	0.00	0.00	27.45	7.23	1.45		8.68	20.21	18.76
7	Hydraulic Works	1500	5.28%	247.12	0.00	0.00	247.12	153.02	13.05		166.07	94.10	81.05
8	Other Civil Works	1600	3.34%	83.99	0.00	0.00	83.99	26.99	2.81		29.80	57.00	54.20
9	Vehicles	1700	9.50%	23.93	0.00	0.00	23.93	16.23	2.27		18.50	7.70	5.43
10	Furniture & Fixtures	1800	6.33%	1.50	0.03	0.00	1.52	1.22	0.10		1.32	0.28	0.21
11	Computers	1900	15.00%	2.33	0.15	0.00	2.48	1.80	0.36		2.16	0.53	0.32
12	Office Equipment	2100	6.33%	1.54	0.00	0.00	1.54	0.97	0.10		1.07	0.57	0.47
	TOTAL			2548.83	0.17	0.00	2549.00	1956.09	128.09	0.00	2084.19	592.73	464.81

FY 2023-24

S.No.	Asset Group	A/c Code	Rate of Depreciation	Gross fixed Assets			Rate of Depreciation	Provisions for depreciation				Net fixed Assets	
				At the beginning of the year	Additions during the year	Adjust. & deductions		Cumulative upto the beginning of the year	Additions during the year	Adjust. during the year	Cumulative at the end of the year	At the beginning of the year	At the end of the year
1	Land & Land Rights	1000	0	22.20	-			0.00	0.00		0.00	22.20	22.20
2	Land Deposits	1010	0	41.58	-			0.00	0.00		0.00	41.58	41.58
3	Buildings	1100	3.34%	142.69	-			95.52	2.53		98.05	47.17	44.63
4	Lines & Cable Network	1200	5.28%	155.50	-			146.37	0.20		146.57	19.13	18.93
5	Plant & Machinery	1300	5.28%	1789.00	0.08			1614.70	7.75		1622.45	174.30	166.63
6	Capital Spares	1400	5.28%	27.45	-			8.68	1.44		10.13	18.76	17.32
7	Hydraulic Works	1500	5.28%	247.12	-			166.07	2.83		168.90	81.05	78.21
8	Other Civil Works	1600	3.34%	83.99	-			29.80	2.02		31.81	54.20	52.18
9	Vehicles	1700	9.50%	23.93	-			18.50	0.57		19.07	5.43	4.86
10	Furniture & Fixtures	1800	6.33%	1.52	0.01			1.32	0.02		1.33	0.21	0.20
11	Computers	1900	15%	2.48	0.00			2.16	0.08		2.24	0.32	0.24
12	Office Equipment	2100	6.33%	1.54	0.05			1.07	0.05		1.12	0.47	0.47
	Total			2549.00	0.14	0.00		2084.19	17.49	0.00	2101.68	464.81	447.46

FY 2024-25

				Gross fixed Assets			Provisions for depreciation				Net fixed Assets	
				At the beginning of the year	Additions during the year	Adjust. & deductions					At the beginning of the year	At the end of the year
				2549.00	0.14	0.00					464.81	447.46

S.No.	Asset Group	A/c Code	Rate of Depreciation	At the beginning of the year	Additions during the year	Adjust. & Deductions	At the end of the year	Cumulative upto the beginning of the year	Additions during the year	Adjust. during the year	Cumulative at the end of the year	At the beginning of the year	At the end of the year
1	Land & Land Rights	1000	0.00%	22.20			22.20	0.00			0.00	22.20	22.20
2	Buildings	1100	3.34%	41.58			41.58	0.00			0.00	41.58	41.58
3	Lines and Cable Network	1200	5.28%	142.69			142.69	98.05			98.05	44.63	44.63
4	Plant & Machinery	1300	5.28%	165.50			165.50	146.57			146.57	18.93	18.93
5	Capital Spares	1400	5.28%	1799.08	11.29		1800.37	1622.45	17.50		1639.95	166.63	160.42
6	Hydraulic Works	1500	5.28%	27.45			27.45	10.13			10.13	17.32	17.32
7	Other Civil Works	1600	3.34%	247.12			247.12	168.90			168.90	78.21	78.21
8	Vehicles	1700	9.50%	83.99			83.99	31.81			31.81	52.18	52.18
9	Furniture & Fixtures	1800	6.33%	23.93			23.93	19.07			19.07	4.86	4.86
10	Computers	1900	15.00%	1.53			1.53	1.33			1.33	0.20	0.20
11	Office Equipment	2100	6.33%	2.48			2.48	2.24			2.24	0.24	0.24
	Intangible Assets	2200	0.00%	1.59			1.59	1.12			1.12	0.47	0.47
	Total		0.69%	2549.14	11.29	0.00	2560.43	2101.68	17.50	0.00	2119.18	447.46	441.24
				2549.14	11.29	0.00	2560.43	2101.68	17.50	0.00	2119.18	447.46	441.24

FY 2026-26													
S.No.	Asset Group	A/c Code	Rate of Depreciation	Gross fixed Assets			Provisions for depreciation			Net fixed Assets			
				At the beginning of the year	Additions during the year	Adjust. & deductions	At the end of the year	Cumulative upto the beginning of the year	Additions during the year	Adjust. during the year	Cumulative at the end of the year	At the beginning of the year	At the end of the year
1	Land & Land Rights	1000	0.00%	22.20			22.20	0.00			0.00	22.20	22.20
2	Buildings	1100	3.34%	41.58			41.58	0.00			0.00	41.58	41.58
3	Lines and Cable Network	1200	5.28%	142.69			142.69	98.05			98.05	44.63	44.63
4	Plant & Machinery	1300	5.28%	165.50			165.50	146.57			146.57	18.93	18.93
5	Capital Spares	1400	5.28%	1800.37	1.91		1802.28	1639.95	18.52		1658.48	160.42	143.81
6	Hydraulic Works	1500	5.28%	27.45			27.45	10.13			10.13	17.32	17.32
7	Other Civil Works	1600	3.34%	247.12			247.12	168.90			168.90	78.21	78.21
8	Vehicles	1700	9.50%	83.99			83.99	31.81			31.81	52.18	52.18
9	Furniture & Fixtures	1800	6.33%	23.93			23.93	19.07			19.07	4.86	4.86
10	Computers	1900	15.00%	1.53			1.53	1.33			1.33	0.20	0.20
11	Office Equipment	2100	6.33%	2.48			2.48	2.24			2.24	0.24	0.24
	Intangible Assets	2200	0.00%	1.59			1.59	1.12			1.12	0.47	0.47
	Total		0.72%	2560.43	1.91	0.00	2562.34	2119.18	18.52	0.00	2137.71	441.24	424.63
				2560.43	1.91	0.00	2562.34	2119.18	18.52	0.00	2137.71	441.24	424.63

FY 2026-27													
S.No.	Asset Group	A/c Code	Rate of Depreciation	Gross fixed Assets			Provisions for depreciation			Net fixed Assets			
				At the beginning of the year	Additions during the year	Adjust. & deductions	At the end of the year	Cumulative upto the beginning of the year	Additions during the year	Adjust. during the year	Cumulative at the end of the year	At the beginning of the year	At the end of the year
1	Land & Land Rights	1000	0.00%	22.20			22.20	0.00			0.00	22.20	22.20
2	Buildings	1100	3.34%	41.58			41.58	0.00			0.00	41.58	41.58
3	Lines and Cable Network	1200	5.28%	142.69			142.69	98.05			98.05	44.63	44.63
4	Plant & Machinery	1300	5.28%	165.50			165.50	146.57			146.57	18.93	18.93
5	Capital Spares	1400	5.28%	1802.28	15.91		1818.19	1658.48	18.71		1677.19	143.81	141.00
6	Hydraulic Works	1500	5.28%	27.45			27.45	10.13			10.13	17.32	17.32
7	Other Civil Works	1600	3.34%	247.12			247.12	168.90			168.90	78.21	78.21
8	Vehicles	1700	9.50%	83.99			83.99	31.81			31.81	52.18	52.18
9	Furniture & Fixtures	1800	6.33%	23.93			23.93	19.07			19.07	4.86	4.86
10	Computers	1900	15.00%	1.53			1.53	1.33			1.33	0.20	0.20
11	Office Equipment	2100	6.33%	2.48			2.48	2.24			2.24	0.24	0.24
	Intangible Assets	2200	0.00%	1.59			1.59	1.12			1.12	0.47	0.47
	Total		0.73%	2562.34	15.91	0.00	2578.25	2137.71	18.71	0.00	2156.42	424.63	421.83
				2562.34	15.91	0.00	2578.25	2137.71	18.71	0.00	2156.42	424.63	421.83

FY 2027-28										
S.No.	Asset Group	A/c Code	Rate of Depreciation	Gross fixed Assets			Provisions for depreciation			
				At the beginning of the year	Additions during the year	Adjust. & deductions	Cumulative upto the beginning of the year	Additions during the year	Adjust. during the year	Cumulative at the end of the year
1	Land & Land Rights	1000	0.00%	22.20			0.00			22.20
2	Buildings	1100	3.34%	41.58			0.00			41.58
3	Lines and Cable Network	1200	5.28%	142.69			98.05			98.05
4	Plant & Machinery	1300	5.28%	165.50			146.57			146.57
5	Capital Spares	1400	5.28%	1818.19			1697.69	20.50		1718.19
6	Hydraulic Works	1500	5.28%	27.45			10.13			10.13
7	Other Civil Works	1600	3.34%	247.12			168.90			168.90
8	Vehicles	1700	9.50%	83.99			31.81			31.81
9	Furniture & Fixtures	1800	6.33%	23.93			19.07			19.07
10	Computers	1900	15.00%	1.53			1.33			1.33
11	Office Equipment	2100	6.33%	2.48			2.24			2.24
	Intangible Assets	2200	0.00%	1.59			1.12			1.12
	Total		0.80%	2578.25	0.00	0.00	2156.42	20.50	0.00	2176.92
				2578.25	0	0	2156.42	20.50	0	2176.92

FY 2028-29										
S.No.	Asset Group	A/c Code	Rate of Depreciation	Gross fixed Assets			Provisions for depreciation			
				At the beginning of the year	Additions during the year	Adjust. & deductions	Cumulative upto the beginning of the year	Additions during the year	Adjust. during the year	Cumulative at the end of the year
1	Land & Land Rights	1000	0.00%	22.20			0.00			22.20
2	Buildings	1100	3.34%	41.58			0.00			41.58
3	Lines and Cable Network	1200	5.28%	142.69			98.05			98.05
4	Plant & Machinery	1300	5.28%	165.50			146.57			146.57
5	Capital Spares	1400	5.28%	1818.19	11.57		1697.69	20.50		1718.19
6	Hydraulic Works	1500	5.28%	27.45			10.13			10.13
7	Other Civil Works	1600	3.34%	247.12			168.90			168.90
8	Vehicles	1700	9.50%	83.99			31.81			31.81
9	Furniture & Fixtures	1800	6.33%	23.93			19.07			19.07
10	Computers	1900	15.00%	1.53			1.33			1.33
11	Office Equipment	2100	6.33%	2.48			2.24			2.24
	Intangible Assets	2200	0.00%	1.59			1.12			1.12
	Total		0.79%	2578.25	11.57	0.00	2176.92	20.50	0.00	2197.42
				2578.25	11.57	0	2176.92	20.50	0	2197.42

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Form 5: Interest and finance charges on loan

A. Normative Loan

S. No.	Particulars	Year (n-1) FY 2022-23			Current Year 'n' FY 2023-24		Control Period					(Rs. Crore)				
		MYT/Janiff Order	Apr-Mar	MYT/Janiff Order	Apr-Mar	FY 2024-25	FY 2025-26	FY 2026-27	FY 2027-28	FY 2028-29						
		Approved	Audited	True-Up requirement	Approved	Estimated	Projected	Projected	Projected	Projected						
1	Opening Balance of Gross Normative Loan	1784.18	1784.18	1784.18	1784.18	1593.16	1593.21	1615.42	1631.87	1642.37	1642.37	1642.37	1642.37	1642.37	1642.37	1642.37
2	Cumulative Repayment till the year	1784.18	1784.18	1784.18	1784.18	1866.30	1866.30	1927.00	1964.49	2009.03	2009.03	2009.03	2009.03	2009.03	2009.03	2009.03
3	Opening Balance of Net Normative Loan	0.00	0.00	0.00	0.00	-273.15	-273.15	-311.58	-332.62	-368.66	-394.70	-420.74	-446.78	-472.82	-498.86	-524.90
4	Less: Reduction of Normative Loan due to retirement or replacement of assets															
5	Addition of Normative Loan due to capitalisation during the year		0.12	0.12		0.11	0.11	7.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
6	Repayment of Normative loan during the year	131.41	128.09	128.09	128.09	17.49	17.49	17.50	18.52	18.71	20.50	20.50	20.50	20.50	20.50	20.50
7	Closing Balance of Net Normative Loan	0.00	0.00	0.00	0.00	-280.53	-280.53	-313.03	-330.10	-351.33	-387.16	-423.46	-459.76	-496.06	-532.36	-568.66
8	Closing Balance of Gross Normative Loan	1652.76	1656.21	1656.21	1656.21	1575.77	1575.77	1583.61	1596.90	1613.16	1621.87	1621.87	1621.87	1621.87	1621.87	1621.87
9	Average Balance of Net Normative Loan	0.00	0.00	0.00	0.00	-281.84	-281.84	-308.23	-320.84	-341.98	-376.91	-411.91	-446.91	-481.91	-516.91	-551.91
10	Weighted average Rate of Interest on actual Loans (%)	9.95%	9.95%	9.95%	9.95%	9.95%	9.95%	9.95%	9.95%	9.95%	9.95%	9.95%	9.95%	9.95%	9.95%	9.95%
11	Interest	0.00	0.00	0.00	0.00	-28.04	-28.04	-30.67	-31.92	-34.03	-37.50	-40.97	-44.44	-47.91	-51.38	-54.85
12	Finance charges															
13	Total Interest & Finance charges	1.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Note:

1 In case actual loan is more than 75%, the modification in the formula need to be done accordingly.

B. Actual loan portfolio

S. No.	Particulars	Year (n-1)			Current Year 'n'			Current Year 'n'			Current Year 'n'			Current Year 'n'		
		Apr-Mar		Apr-Sep	Oct-Mar		Apr-Mar	Apr-Mar		Apr-Mar	Apr-Mar		Apr-Mar	Apr-Mar		Apr-Mar
		Audited	Actual	Actual	Estimated	Estimated	Estimated	Projected	Projected	Projected	Projected	Projected	Projected	Projected	Projected	Projected
1	Loan 1															
	Opening Balance of Loan	32.18														
	Addition of Loan during the year	32.18														
	Loan Repayment during the year	0														
	Closing Balance of Loan	32.18														
	Average Loan Balance	5.26	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Applicable Interest Rate (%)	9.95%														
	Interest	0.53	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Finance charges															
	Total Interest & Finance charges	0.53	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	Loan 2															
	Opening Balance of Loan	32.18														
	Addition of Loan during the year	0.00														
	Loan Repayment during the year	32.18														
	Closing Balance of Loan	0.00														
	Average Loan Balance	0.53	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Applicable Interest Rate (%)	9.95%														
	Interest	0.53	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Finance charges															
	Total Interest & Finance charges	0.53	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

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Form 6: Interest on working capital

S. No.	Particulars	FY 2022-23			FY 2023-24		Control Period						(Rs. Crore)	
		MYT/Tariff Order	Apr-Mar	True-Up requirement	MYT/Tariff Order	Apr - Mar	FY 2024-25	FY 2025-26	FY 2026-27	FY 2027-28	FY 2028-29			
		Approved	Audited	Claimed	Approved	Estimated	Projected	Projected	Projected	Projected	Projected			
1	Cost of coal, towards stock	83.19	78.69	78.69	97.45	92.50	64.44	65.72	67.04	68.38	69.75			
2	Cost of coal for generation	83.19	78.69	78.69	97.45	92.50	96.65	98.59	100.56	102.57	104.62			
3	Cost of secondary fuel oil	7.08	1.46	1.46	8.36	1.37	1.03	1.05	1.07	1.09	1.11			
4	O&M expenses	13.59	17.36	17.36	14.05	17.96	17.43	18.30	19.20	20.17	21.18			
5	Maintenance spares	32.61	41.66	41.66	41.66	43.11	25.49	25.60	25.62	25.78	25.78			
6	Receivables ¹	254.50	249.59	249.59	275.94	261.16	197.96	202.31	206.89	212.11	216.54			
	Less:													
7	Payables for Fuels ²	86.68	79.41	79.41	101.57	93.18	97.67	99.62	101.61	103.65	105.72			
8	Total Working Capital requirement	387.47	388.04	388.04	433.34	415.44	305.33	311.95	318.77	326.46	333.27			
9	Interest rate	8.55%	9.44%	9.44%	8.55%	10.08%	10.15%	10.15%	10.15%	10.15%	10.15%			
10	Interest on working capital	33.26	36.62	36.62	33.46	41.88	30.99	31.66	32.35	33.14	33.83			

Note:

1 In case actual availability is less or more than normative value, the modification in the formula need to be done accordingly.

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Form 7: Return on Equity

S. No.	Particulars	FY 2022-23			FY 2023-24		Control Period					(Rs. Crore)
		MYT/Tariff Order	Apr-Mar	True-Up requirement	MYT/Tariff Order	Apr - Mar	FY 2024-25	FY 2025-26	FY 2026-27	FY 2027-28	FY 2028-29	
		Approved	Audited	Claimed	Approved	Estimated	Projected	Projected	Projected	Projected	Projected	
1	Regulatory Equity at the beginning of the year	764.65	764.65	764.65		764.70	764.74	768.12	768.70	773.47	773.47	
2	Capitalisat on during the year		0.17	0.17		0.14	11.29	1.91	15.91	0.00	11.57	
3	Equity portion of capitalisation during the year	0.00	0.05	0.05		0.04	3.39	0.57	4.77	0.00	3.47	
4	Reduc: on in Equity Capital on account of retirement / replacement of assets											
5	Regulatory Equity at the end of the year	764.65	764.70	764.70	0.00	764.74	768.12	768.70	773.47	773.47	775.94	
6	Rate of Return on Equity											
7	Base rate of Return on Equity	15.50%	15.50%	15.50%	15.50%	15.50%	15.50%	15.50%	15.50%	15.50%	15.50%	
8	Effective Income Tax rate	17.47%	25.168%	25.168%	17.472%	25.168%	25.168%	25.168%	25.168%	25.168%	25.168%	
9	Rate of Return on Equity	18.78%	20.71%	20.71%	18.78%	20.71%	20.71%	20.71%	20.71%	20.71%	20.71%	
10	Return on Equity Computation											
11	Return on Regulatory Equity at the beginning of the year	143.61	158.38	158.38	0.00	158.39	158.40	159.10	159.22	160.21	160.21	
12	Return on Regulatory Equity addition during the year	0.00	0.01	0.01	0.00	0.00	0.35	0.06	0.49	0.00	0.36	
13	Total Return on Equity	143.61	158.39	158.39	143.61	158.40	158.75	159.16	159.71	160.21	160.57	

Note:

1 In case actual loan is more than 75%, the modification in the formula need to be done accordingly.

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Form 8: Non-Tariff Income

S. No.	Particulars	Year (n-1) (FY 2022-23)				Current Year 'n' (FY 2023-24)		Control Period								(Rs. Crore)	
		MYT/Tariff Order	Apr-Mar	True-Up requirement	MYT/Tariff Order	Apr - Mar	FY 2024-25		FY 2025-26		FY 2026-27		FY 2027-28		FY 2028-29		
		Approved	Audited	Claimed			Projected	Estimated	Projected	Projected	Projected	Projected	Projected	Projected	Projected		Projected
1	Income from rent of land or buildings		0.10	0.10		0.10		0.10	0.11	0.11	0.11	0.12	0.12	0.12	0.12	0.12	
2	Net income from sale of de-capitalised assets		-	-		-		-	-	-	-	-	-	-	-	-	
3	Income from sale of scrap		0.31	0.31		4.58		0.31	0.33	0.33	0.34	0.35	0.37	0.37	0.37	0.37	
4	Income from statutory investments		-	-		-		-	-	-	-	-	-	-	-	-	
5	Interest income on advances to suppliers/ contractors		-	-		-		-	-	-	-	-	-	-	-	-	
6	Income from rental from staff quarters		0.04	0.04		0.03		0.04	0.04	0.04	0.04	0.04	0.05	0.05	0.05	0.05	
7	Income from rental from contractors		-	-		-		-	-	-	-	-	-	-	-	-	
8	Income from hire charges from contractors and others		0.01	0.01		0.03		0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	
9	Income from sale of ash/rejected coal		22.17	22.17		24.00		24.96	25.96	25.96	27.00	28.08	29.20	29.20	29.20	29.20	
10	Income from advertisements		-	-		-		-	-	-	-	-	-	-	-	-	
11	Income from sale of tender documents		0.03	0.03		0.03		0.03	0.03	0.03	0.03	0.04	0.04	0.04	0.04	0.04	
12	...		3.31	3.31		2.69		2.55	2.65	2.65	2.76	2.87	2.98	2.98	2.98	2.98	
	Total	4.40	25.98	25.98		31.45	4.40	28.00	29.13	29.13	30.29	31.50	32.76	32.76	32.76	32.76	

Form 10: Operational parameters

S. No.	Particulars	Units	Year (n-1) (FY 2022-23)			True-Up requirement	MYT/Tariff Order	Current Year 'n' (FY 2023-24)		Control Period						Remarks	
			MYT/Tariff Order	Apr-Mar Audited	Apr-Mar			MYT/Tariff Order	Apr - Mar	FY 2024-25	FY 2025-26	FY 2026-27	FY 2027-28	FY 2028-29			
															Approved		
1	Installed Capacity	MW	500		500												
	COD		14.09.2010														
	Type of Thermal Generating Station		Non-PH head														
2	Availability																
2.1	Target Availability for full recovery of AFC	%	80	80	80	80	80	85	85	85	85	85	85	85	85	85	
2.2	Actual/Projected Availability	%		76.96	76.96		92.53	85	85	85	85	85	85	85	85	85	
3	Plant Load Factor (PLF)																
3.1	Target PLF for Incentive	%	80	80	80	80	80	85	85	85	85	85	85	85	85	85	
3.2	Actual/Projected PLF	%		72.28	72.28		85.35	85.07	85	85.04	85	85	85	85	85	85.07	
4	Gross Generation																
4.1	Scheduled Generation	MU	2978.80	2978.80	2978.8	3521.31	3521.31	3530.38	3527.54	3529.25	3537.21	3530.38	3530.38	3530.38	3530.38	3530.38	
4.2	Actual/Projected Gross Generation	MU		3166.03	3166.03		3746.54	3726.00	3723.00	3724.80	3733.20	3726.00	3726.00	3726.00	3726.00	3726.00	
5	Auxiliary Consumption																
5.1	Normative Auxiliary Energy Consumption	%	7.50	7.50	7.5	7.50	7.50	5.25	5.25	5.25	5.25	5.25	5.25	5.25	5.25	5.25	
5.2	Actual/Projected Auxiliary Energy	%	7.50	5.91	5.91		6.06	5.25	5.25	5.25	5.25	5.25	5.25	5.25	5.25	5.25	
5.3	Actual/Projected Auxiliary Energy	MU		187.23	187.23		227.23	195.62	195.46	195.55	195.99	195.62	195.62	195.62	195.62	195.62	
5.4	Net Generation	MU		2978.80	2978.8		3521.31	3530.38	3527.54	3529.25	3537.21	3530.38	3530.38	3530.38	3530.38	3530.38	
6	Gross Station Heat Rate																
6.1	Normative Gross Station Heat Rate	kcal/kWh	2450	2450	2450	2450	2450	2450	2450	2450	2450	2450	2450	2450	2450	2450	
6.2	Actual/Projected Gross Station Heat Rate	kcal/kWh		2343.64	2343.64		2347	2450	2450	2450	2450	2450	2450	2450	2450	2450	
7	Secondary Fuel Oil Consumption																
7.1	Normative Secondary Fuel Oil Consumption	mkkWh	2	2	2	2	2	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	
7.2	Actual/Projected Secondary Fuel Oil Consumption	mkkWh		0.42	0.42		0.334	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5	
8	Transit Loss																
8.1	Normative Transit Loss	%	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	
8.2	Actual/Projected Transit Loss	%		0.8	0.8		0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	0.8	

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Form 11: Fuel Details for Computation of Energy Charge Rate

S. No.	Particulars	Units	Year (n-1) FY 2022-23												Current Year 'n' (FY 2023-24)																	
			Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep												
A	Opening Quantity																															
1	Opening quantity of coal	MT	100648.001	135112.531	179850.291	325482.83	300041.81	285350.43	190864.66	193785.48	322239.12	340566	338420.88	394863.71	419345	381929	330022	319408	241378	166457												
2	Value of stock	Rs in Crs	46.73	68.76	85.63	157.87	147.19	146.66	98.56	100.48	172.72	185.43	193.06	212.40	223.76	208.57	171.98	154.15	120.56	94.94												
B	Procurement																															
3	Quantity of coal supplied by the coal company	MT	405580	421791	362810	243453	363903	342625	412039	457254	428418	418564	414168	451547	351228	374749	365324	299048	358706	386553												
4	Adjustment in coal quantity supplied by the coal company (+/-)	MT																														
5	Coal supplied by coal company (3+4)	MT	405580	421791	362810	243450	363903	342625	412039	457254	428418	418564	414168	451547	351229	374749	365324	299048	358706	386553												
6	Normal loss and handling loss	MT	3245	3374	3052	1848	2850	2773	2286	3699	3507	3348	3313	3812	2820	2668	2924	2392	2688	3084												
7	Net coal supplied	MT	402465.068	418416.882	359747.888	241502.807	360943.507	340352.823	409742.559	453853.667	424910.625	415208.878	410855.539	447834.227	350403.535	371751.426	362519.869	296665.766	358337.533	382468.944												
C	Price																															
8	Amount charged by coal company	Rs in Crs	190.23	193.86	183.54	116.00	184.41	105.02	208.28	264.93	233.86	212.04	212.47	228.00	184.12	184.53	177.79	147.04	183.71	194.61												
9	Adjustment in amount charged by the coal company	Rs in Crs	-0.84	-5.95	-8.10	-4.72	-9.31	-5.36	-2.90	-9.70	-4.88	-2.14	-2.49	-2.00	-3.98	-8.95	-8.03	-9.12	-7.50	-5.88												
10	Handling, sampling and such other similar charges	Rs in Crs	0.70	0.70	0.87	0.88	0.71	0.73	0.71	0.79	0.71	2.17	1.10	1.43	0.74	2.37	1.64	3.96	3.07	2.84												
11	Total amount charged (8+9+10)	Rs in Crs	192.09	188.61	176.31	111.16	175.90	100.45	208.09	255.93	229.84	210.88	210.96	226.43	180.84	187.25	177.42	144.86	179.27	191.59												
D	Transportation																															
12	Transportation charges																															
	By rail	Rs in Crs	8.78	-0.41	9.64	5.40	8.21	7.49	10.94	10.85	9.85	9.65	9.40	9.10	7.55	7.61	7.57	5.71	1.83	8.35												
	By road	Rs in Crs																														
	By ship	Rs in Crs																														
	Rs in Crs																														
13	Adjustment in amount charged by the coal transporter	Rs in Crs																														
14	Demurrage charges, if any	Rs in Crs																														
15	Cost of diesel in transporting coal through MRS system, if applicable	Rs in Crs																														
16	Total Transportation charges (12+13+14+15)	Rs in Crs	8.78	-0.41	9.64	5.40	8.21	7.49	10.94	10.85	9.85	9.65	9.40	9.10	7.55	7.61	7.57	5.71	1.83	8.35												
17	Total amount charged for coal supplied including transportation (13+16)	Rs in Crs	201.85	188.62	185.95	120.15	184.02	108.90	217.03	246.67	239.50	221.79	220.96	237.14	188.42	184.77	174.95	151.58	187.11	193.41												
E	Total Cost																															
18	Limited cost of coal (2+17)/(1+17)	Rs/MT	494.42931	491.93073	485.33566	490.5422	498.78134	490.73585	518.67589	538.89176	544.3392	531.07421	538.23955	535.38843	534.43591	490.7504	491.20252	501.24513	505.18486	513.37413												
19	Bleeding Ratio (Domestic/Imported)																															
20	Weighted average cost of coal for preceding three months	Rs/MT																														

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Form 11.1 : Fuel Details for computation of Energy Charge Rate

S. No.	Particulars	Units	Year (n-1) (FY 2022-23)												Current Year 'n' (FY 2023-24)					
			Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
A	Opening Quantity																			
1	Opening quantity of oil	KL	1675.13	1942.49	1648.03	1553.25	1413.82	1650.39	1573.42	1551.01	1350.07	1546.57	1606.53	1400.67	1508.74	1623.18	1636.47	1619.90	1461.62	1993.93
2	Value of stock	Rs in Crs	9.37	9.16	10.56	5.94	9.28	11.04	10.50	10.48	6.72	10.04	10.33	9.09	9.72	10.41	10.35	10.25	9.34	12.92
B	Procurement																			
3	Quantity of oil supplied by the oil company	KL	299.16	250.52	0.00	390.43	610.17	0.00	224.59	192.67	335.14	349.73	0.00	354.53	224.09	250.31	0.00	606.20	722.72	368.45
4	Adjustment in oil quantity supplied by the oil company	KL																		
5	Oil supplied by oil company (3+4)	KL	299.16	250.52	0.00	390.43	610.166	0	224.591	192.968	335.141	349.734	0	354.525	224.09	250.309	0	606.204	722.717	368.445
6	Normative transit and handling loss	KL																		
7	Net oil supplied	KL	299.16	250.524	0	390.425	610.166	0	224.591	192.968	335.141	349.734	0	354.525	224.09	250.309	0	606.204	722.717	368.445
C	Price																			
8	Amount charged by oil company	Rs in Crs	2.43	2.28	0.00	2.90	4.34	0.00	1.58	1.07	2.29	2.34	0.00	2.29	1.44	1.49	0.00	3.88	4.76	2.72
9	Adjustment in amount charged by the oil company	Rs in Crs																		
10	Handling, sampling and such other similar charges	Rs in Crs																		
11	Total amount charged (8+9+10)	Rs in Crs	2.43	2.28	0.00	2.90	4.34	0.00	1.58	1.07	2.29	2.34	0.00	2.29	1.44	1.49	0.00	3.88	4.76	2.72
D	Transportation																			
12	Transportation charges																			
	By rail	Rs in Crs																		
	By road	Rs in Crs																		
	By ship	Rs in Crs																		
	By air	Rs in Crs																		
13	Adjustment in amount charged by the oil transporter	Rs in Crs																		
14	Demurrage charges, if any	Rs in Crs																		
15	Cost of diesel in transporting oil through MGR system, if applicable	Rs in Crs																		
16	Total Transportation charges (12+13+14+15)	Rs in Crs	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
17	Total amount charged for oil supplied including transportation (11+16)	Rs in Crs	2.43	2.28	0.00	2.90	4.34	0.00	1.58	1.07	2.29	2.34	0.00	2.29	1.44	1.49	0.00	3.88	4.76	2.72
E	Total Cost																			
18	Landed cost of oil (2+7)/(1+7)	Rs /KL	59756.1	53780.3	54056.1	56070.5	57269.6	56900.8	57200.9	56209.1	55299.7	55264.3	54280.2	54849.3	54397	53533.5	53259	53440.1	54555.9	66193.6
19	Blending Ratio (Domestic/Imported)																			
20	Weighted average cost of oil for preceding three months	Rs /KL																		

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Form 13: Sales

FY 2022-23

Audited

Beneficiary	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Total
TSSPDCL (70.55%)	199.78	170.21	-2.51	44.24	196.05	200.53	192.22	210.85	224.49	231.34	196.91	237.42	2101.54
TSNPDCL (29.45%)	83.40	71.05	-1.05	18.47	81.84	83.71	80.24	88.02	93.71	96.57	82.20	99.11	877.26
Total	283.18	241.26	-3.55	62.71	277.88	284.24	272.46	298.87	318.20	327.91	279.11	336.53	2978.80

FY 2023-24

Estimated

Beneficiary	Actuals						Estimated						Total
	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Total
TSSPDCL (70.55%)	179.80	206.04	217.87	215.41	206.39	195.89	199.97	211.23	212.26	224.57	203.27	212.57	2484.29
TSNPDCL (29.45%)	75.06	86.01	90.95	89.92	85.73	81.77	83.48	88.18	88.61	93.75	84.85	88.73	1037.03
Total	254.86	292.05	308.82	305.33	291.12	277.66	283.45	299.41	300.87	318.32	288.12	301.31	3521.32

FY 2024-25

Projected

Beneficiary	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Total
TSSPDCL (70.55%)	216.68	223.80	216.58	223.80	79.41	216.58	223.80	216.58	223.80	223.80	202.14	223.80	2490.67
TSNPDCL (29.45%)	90.41	93.42	90.41	93.42	33.15	90.41	93.42	90.41	93.42	93.42	84.38	93.42	1039.69
Total	306.99	317.22	306.99	317.22	112.56	306.99	317.22	306.99	317.22	317.22	286.52	317.22	3530.36

FY 2025-26

Projected

Beneficiary	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Total
TSSPDCL (70.55%)	204.55	211.37	204.55	211.37	211.37	204.55	211.37	204.55	211.37	211.37	190.92	211.37	2488.70
TSNPDCL (29.45%)	85.39	88.23	85.39	88.23	88.23	85.39	88.23	85.39	88.23	88.23	79.69	88.23	1038.87
Total	289.94	299.60	289.94	299.60	299.60	289.94	299.60	289.94	299.60	299.60	270.61	299.60	3527.57

FY 2026-27

Projected

Beneficiary	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Total
TSSPDCL (70.55%)	233.43	241.21	233.43	116.71	15.56	233.43	241.21	233.43	241.21	241.21	217.87	241.21	2489.91
TSNPDCL (29.45%)	97.44	100.69	97.44	48.72	6.50	97.44	100.69	97.44	100.69	100.69	90.94	100.69	1039.37
Total	330.87	341.90	330.87	165.43	22.06	330.87	341.90	330.87	341.90	341.90	308.81	341.90	3529.28

FY 2027-28

Projected

Beneficiary	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Total
TSSPDCL (70.55%)	204.55	211.37	204.55	211.37	211.37	204.55	211.37	204.55	211.37	211.37	197.73	211.37	2495.52
TSNPDCL (29.45%)	85.39	88.23	85.39	88.23	88.23	85.39	88.23	85.39	88.23	88.23	82.54	88.23	1041.71
Total	289.94	299.60	289.94	299.60	299.60	289.94	299.60	289.94	299.60	299.60	280.27	299.60	3537.23

FY 2028-29

Projected

Beneficiary	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Total
TSSPDCL (70.55%)	216.58	223.80	72.19	223.80	223.80	216.58	223.80	216.58	223.80	223.80	202.14	223.80	2490.67
TSNPDCL (29.45%)	90.41	93.42	30.14	93.42	93.42	90.41	93.42	90.41	93.42	93.42	84.38	93.42	1039.69
Total	306.99	317.22	102.33	317.22	317.22	306.99	317.22	306.99	317.22	317.22	286.52	317.22	3530.36

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Form 15: Revenue Reconciliation

Previous Year (n-1) FY 2022-23

Audited

S. No.	Particulars	Units	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Total
1	Normative Availability (%)	%	80.00	80.00	80.00	80.00	80.00	80.00	80.00	80.00	80.00	80.00	80.00	80.00	80.00
2	Availability during the month (%)	%	87.48	71.74	0.00	21.55	84.86	91.96	89.74	92.87	98.44	98.92	90.14	98.78	82.26
3	Cumulative Availability (%)	%	87.48	79.48	53.28	45.22	53.25	59.59	63.96	67.52	71.00	73.83	75.20	77.20	
4	Target PLF for Incentive	%	80.00	80.00	80.00	80.00	80.00	80.00	80.00	80.00	80.00	80.00	80.00	80.00	80.00
5	Actual PLF during the month (%)	%	82.84	68.74	0.00	19.35	78.89	83.24	77.39	87.94	90.99	93.69	88.57	96.20	
6	Cumulative PLF (%)	%	82.84	75.67	50.73	72.75	50.08	55.51	58.68	62.28	65.52	68.37	70.06	72.28	
7	Gross Generation (MU)	MU	298.22	255.72	0.00	72.00	293.48	299.67	287.91	316.60	338.48	348.53	297.59	357.86	3166.04
8	Auxiliary Consumption (MU)	MU	15.04	14.46	3.55	9.28	15.60	15.42	15.44	17.73	20.28	20.62	16.48	21.32	187.23
9	Net Generation (MU)	MU	283.18	241.26	-3.55	62.71	277.88	284.24	272.48	298.87	318.20	327.91	279.11	336.53	2978.80
10	Generation above target PLF (MU)	MU	-4.82	-56.34	-291.55	-234.89	-19.72	-3.76	-25.14	10.87	20.60	30.31	10.31	38.93	-525.20
11	Variable Charges Per Unit	Rs./kWh	3.035	3.035	3.035	3.035	3.035	3.035	3.035	3.035	3.035	3.035	3.035	3.035	2.668
12	Approved Fixed Charges	Rs. Crore	40.84	40.84	40.84	40.84	40.84	40.84	40.84	40.84	40.84	40.84	40.84	40.84	490.03
13	Fuel Surcharge	Rs./kWh	3.334	3.264	3.296	3.451	3.604	3.483	3.519	3.675	3.693	3.631	3.583	3.581	3.629
14	Fixed Charges During Month	Rs. Crore	40.84	40.30	0.45	10.74	43.58	46.60	46.03	47.19	50.45	50.69	45.38	50.64	472.88
15	Energy Charges Amount	Rs. Crore	85.94	73.22	-1.08	19.03	84.34	86.27	82.69	90.71	96.57	99.52	84.71	102.14	904.07
16	Amount of Fuel Surcharge Adjustment	Rs. Crore													
17	Incentive Amount	Rs. Crore	8.47	5.53	-0.09	2.61	15.80	12.74	13.18	19.12	20.93	19.54	15.29	18.39	151.51
18	Revenue from sale of electricity	Rs. Crore	135.25	119.05	-0.72	32.38	143.72	145.61	141.91	157.01	167.96	169.75	145.38	171.16	1528.46
19	Other recoveries/adjustments														
	Fuel (savings)/charge year end adjustment														-85.94
	Difference bill issued after MTR order														-22.67
	Water Charges	Rs. Crore													
20	Total Revenue	Rs. Crore	135.25	119.05	-0.72	32.38	143.72	145.61	141.91	157.01	167.96	169.75	145.38	171.16	1441.67
21	Total Revenue as per Audited Accounts	Rs. Crore													

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Tariff Filing Formats - Generation
Checklist

S. No.	Form	Title	Tick
1	Form 1	Summary Sheet	✓
2	Form 2	Operation and Maintenance Expenses	✓
3	Form 2.1	Employee Expenses	✓
4	Form 2.2	Administration & General Expenses	✓
5	Form 2.3	Repair & Maintenance Expenses	✓
6	Form 3	Summary of Capital Expenditure and Capitalisation	✓
7	Form 3.1	Statement of Additional Capitalisation after COD	✓
8	Form 3.2	Financing of Additional Capitalisation	✓
9	Form 4	Fixed Assets & Depreciation	✓
10	Form 5	Interest and finance charges on loan	✓
11	Form 6	Interest on working capital	✓
12	Form 7	Return on Equity	✓
13	Form 8	Non-Tariff Income	✓
14	Form 9	Planned & Forced Outages	
15	Form 10	Operational parameters	✓
16	Form 11	Fuel Details for computation of Energy Charge Rate	✓
17	Form 12	Energy Charge Rate	✓
18	Form 13	Sales	✓
19	Form 14	Revenue from Sale of Electricity	
20	Form 15	Revenue Reconciliation	✓
21	Form 16	Summary of true-up	
		Capital Cost Approval*	
22	Form 17	Plant Characteristics (Thermal)	
23	Form 18	Plant Characteristics (Hydel)	
24	Form 19.1	Project Schedule	
25	Form 19.2	Abstract of Capital Cost	
26	Form 19.3	Breakup of Capital Cost	
27	Form 19.4	Breakup of Construction/Supply/Services/Packages	
28	Form 19.5	Financial Package	
29	Form 19.6	Details of Loans	
30	Form 19.7	Phasing of Expenditure, Debt and Equity upto COD	
31	Form 19.8	Interest During Construction and Finance Charges upto COD	

Note: * Applicable only for new Generating Station/Unit for which Provisional/Final tariff approval is being sought

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Form 1: Summary Sheet

S. No.	Particulars	Units	Reference	FY 2022-23			FY 2023-24			Control Period						Remarks
				MYT/Tariff Order	April-March	True-Up requirement	MYT/Tariff Order	April - March	FY 2024-25	FY 2025-26	FY 2026-27	FY 2027-28	FY 2028-29			
				Approved	Audited	Claimed	Approved	Estimated	Projected	Projected	Projected	Projected	Projected			
A	Annual Fixed Charges															
1	Operation & Maintenance Expenses	Rs. Crore	Form 2	180.47	249.99	245.98	189.93	258.69	252.96	265.31	278.34	292.42	305.98			
2	Depreciation	Rs. Crore	Form 4	197.65	194.38	194.38	180.11	194.41	113.02	113.21	113.28	115.25	115.25			
3	Interest and finance charges on loan	Rs. Crore	Form 5	137.16	148.62	148.62	120.73	129.97	114.55	103.06	92.54	81.88	70.01			
4	Interest on Working Capital	Rs. Crore	Form 6	41.75	51.69	51.69	42.74	56.35	39.54	40.15	40.82	41.59	42.22			
5	Return on Equity	Rs. Crore	Form 7	213.57	233.92	233.92	215.68	213.98	234.34	234.47	235.46	236.41	236.41			
6	Less: Non-Tariff Income	Rs. Crore	Form 8		28.01	28.01		28.66	29.90	31.09	32.33	33.63	34.97			
7	Annual Fixed Charges	Rs. Crore		770.61	850.59	850.59	749.20	844.74	724.52	725.11	728.10	733.92	735.89			
B	Energy Charges															
1	Energy Charge Rate	Rs./kVh	Form 12	3.43	3.19	3.19	3.43	3.24	3.16	3.23	3.29	3.36	3.42			
2	Scheduled Energy (ex-bus)	MU	Form 10	4166.55	4166.55	4166.55	4219.00	4219.00	4238.10	4233.05	4236.46	4244.55	4231.93			
3	Energy Charges	Rs. Crore		1427.17	1327.37	1327.37	1445.26	1366.84	1339.72	1365.85	1394.29	1424.93	1449.07			
C	AFC +Energy Charges	Rs. Crore		2197.78	2177.96	2177.96	2194.45	2211.58	2064.24	2090.96	2122.39	2158.85	2184.96			

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Form 2: Operation and Maintenance Expenses

A. For Existing Generating Stations

S. No.	Particulars	Reference	FY 2022-23		FY 2023-24		Control Period						(Rs. Crore)
			MYT/Tariff Order Approved	Apr-Mar Audited	True-Up requirement Claimed	MYT/Tariff Order Approved	Apr - Mar Estimated	FY 2024-25	FY 2025-26	FY 2026-27	FY 2027-28	FY 2028-29	
1	Employee Expenses	Form 2.1	148.118	202.24	202.24	154.09	218.78	202.00	213.71	226.11	239.22	253.10	
2	A&G Expenses	Form 2.2	4.86	8.52	8.52	4.95	12.99	12.11	12.70	13.33	13.88	14.67	
3	R & M Expenses	Form 2.3	29.318	39.23	39.23	32.8	28.92	38.86	38.89	38.90	39.22	39.22	
4	Total O&M Expenses		180.47	249.99	249.99	189.93	258.69	252.96	255.31	278.34	292.42	306.98	

Note:

1 The projections for the Control Period to be supported by detailed computations

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Form 2.1 Employee Expenses

S.No.	Particulars	Control Period																(Rs. Crore)			
		FY 2019-20		FY 2020-21		FY 2021-22		FY 2022-23		FY 2023-24		FY 2024-25		FY 2025-26		FY 2026-27		FY 2027-28		FY 2028-29	
		Apr-Mar	Audited	Apr-Mar	Audited	Apr-Mar	Audited	Apr-Mar	Audited	Apr - Mar	Estimated	Projected	Projected	Projected	Projected	Projected	Projected	Projected	Projected	Projected	Projected
1	Basic Salary							105.91		111.48											
2	Dearness Allowance (DA)							3.48		9.49											
3	House Rent Allowance							6.43		6.12											
4	Conveyance Allowance							1.41		1.34											
5	Leave Travel Allowance							0.00		0.00											
6	Earned Leave Encashment							22.90		19.91											
7	Other Allowances							26.33		20.88											
8	Medical Reimbursement							4.16		1.58											
9	Overtime Payment							0.00		-											
10	Bonus/Ex-Gratia Payments							0.11		-											
11	Interim Relief / Wage Revision							0.00		0.00											
12	Staff welfare expenses							2.43		2.51											
13	VRS Expenses/Retrenchment Compensation							0.00		-											
14	Commission to Directors							0.00		-											
15	Training Expenses							0.00		-											
16	Payment under Workmen's Compensation Act							0.08		-											
17	Net Employee Costs							173.24		173.31											
18	Terminal Benefits							0.00		-											
18.1	Provident Fund Contribution							11.59		12.25											
18.2	Provision for PF Fund							0.00		-											
18.3	Pension Payments							0.00		-											
18.4	Gratuity Payment							17.41		33.22											
19	Unfunded past liabilities of pension & gratuity							0.00		-											
20	Others							0.00		-											
21	Gross Employee Expenses	0.00		0.00				202.24		218.78		202.00		213.71		226.11		239.22		253.10	
22	Less: Expenses Capitalised							0.00		-											
23	Net Employee Expenses	134.16		147.96		149.67		202.24		218.78		202.00		213.71		226.11		239.22		253.10	

Form 2.2: Administration & General Expenses

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Form 2.3: Repair & Maintenance Expenses

S. No.	Particulars	FY 2019-20		FY 2020-21		FY 2021-22		FY 2022-23		FY 2023-24		Control Period						(Rs. Crore)	
		Apr-Mar Audited	Apr-Mar Audited	Apr-Mar Audited	Apr-Mar Audited	Apr-Mar Audited	Apr-Mar Audited	Apr-Mar Audited	Apr-Mar Audited	Apr - Mar Estimated	Apr - Mar Estimated	FY 2024-25 Projected	FY 2025-26 Projected	FY 2026-27 Projected	FY 2027-28 Projected	FY 2028-29 Projected	FY 2024-25 Projected	FY 2025-26 Projected	FY 2026-27 Projected
1	Plant & Machinery	33.64	18.50	28.52	32.92	21.12													
2	Buildings	0.00	0.00	0.00	0.00	-													
3	Civil Works	3.36	2.63	3.10	3.92	4.59													
4	Hydraulic Works	0.00	0.00	0.00	0.00	-													
5	Lines & Cable Networks	1.03	0.60	1.07	2.07	0.90													
6	Vehicles	0.00	0.00	0.00	0.00	0.02													
7	Furniture & Fixtures	0.00	0.00	0.00	0.00	-													
8	Office Equipment	0.20	0.41	0.48	0.31	0.29						38.86	38.88	38.90	39.22	39.22			
9	Gross R&M Expenses	38.23	22.15	33.16	35.23	25.92						38.86	38.89	38.90	39.22	39.22			
10	Gross Fixed Assets at beginning of year	3408.75	3430.9	3514.23	3767.77	3761.27						3769.48	3772.81	3773.90	3804.56	3804.56			
11	R&M Expenses as % of GFA at beginning of year	1.12%	0.65%	0.94%	1.04%	0.72%						1.03%	1.03%	1.03%	1.03%	1.03%			

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<KTFP-II>

Form 3: Summary of Capital Expenditure and Capitalisation

S. No.	Particulars	FY 2022-23			FY 2023-24		Control Period						(Rs. Crore)
		MYT/Tariff Order	Apr-Mar	True-Up requirement	MYT/Tariff Order	Apr - Mar	FY 2024-25	FY 2025-26	FY 2026-27	FY 2027-28			
		Approved	Audited	Claimed	Approved	Estimated	Projected	Projected	Projected	Projected			
1	Opening Capital Works in Progress												
2	Capital Expenditure during the year		-6.50	-6.50		8.19	3.35	0.00		30.66	0.00	0.00	0.00
3	Capitalisation during the year		-6.50	-6.50		8.19	3.35	0.00		30.66	0.00	0.00	0.00
4	Closing Capital Works in Progress	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Form 3.1: Statement of Additional Capitalization after CEO
KTRPA II

S. No.	FY	Name of the package (B/C, B/C, Civil Works etc.)	Name of the work	Total estimated cost (Rs. Crores)	Capital expenditure during the year (Rs. Crores)	Capitalization during the year (Rs. Crores)	Asset given under which the capitalization has been accounted (Land, Building, etc.)	Scope of work	Relevant Class of the 1518C MY Regulation, 2023 under which the capitalization has been claimed	Justification
2022-23										
1	Year (w-1)	Year (2022-23)			0.00	0.00	PLANT & EQUIPMENT			
2	Year (w-2)	Year (2021-22)			0.19	0.19	BUILDINGS			
3	Year (w-3)	Year (2020-21)			7.28	7.28	DISBURSMENT			
2021-22										
1	Year (w-1)	Year (2021-22)			2.50	2.50				
2	Year (w-2)	Year (2020-21)			4.90	4.90				
3	Year (w-3)	Year (2019-20)			0.00	0.00				
2020-21										
1	Year (w-1)	Year (2020-21)			0.24	0.24				
2	Year (w-2)	Year (2019-20)			7.35	7.35				
3	Year (w-3)	Year (2018-19)			8.19	8.19				
2019-20										
1	Year (w-1)	Year (2019-20)			0.00	0.00				
2	Year (w-2)	Year (2018-19)			2.80	2.80				
3	Year (w-3)	Year (2017-18)			0.00	0.00				
2018-19										
1	Year (w-1)	Year (2018-19)			0.00	0.00				
2	Year (w-2)	Year (2017-18)			0.00	0.00				
3	Year (w-3)	Year (2016-17)			0.00	0.00				
2017-18										
1	Year (w-1)	Year (2017-18)			0.00	0.00				
2	Year (w-2)	Year (2016-17)			0.00	0.00				
3	Year (w-3)	Year (2015-16)			0.00	0.00				
2016-17										
1	Year (w-1)	Year (2016-17)			0.00	0.00				
2	Year (w-2)	Year (2015-16)			0.00	0.00				
3	Year (w-3)	Year (2014-15)			0.00	0.00				
2015-16										
1	Year (w-1)	Year (2015-16)			0.00	0.00				
2	Year (w-2)	Year (2014-15)			0.00	0.00				
3	Year (w-3)	Year (2013-14)			0.00	0.00				
2014-15										
1	Year (w-1)	Year (2014-15)			0.00	0.00				
2	Year (w-2)	Year (2013-14)			0.00	0.00				
3	Year (w-3)	Year (2012-13)			0.00	0.00				
2013-14										
1	Year (w-1)	Year (2013-14)			0.00	0.00				
2	Year (w-2)	Year (2012-13)			0.00	0.00				
3	Year (w-3)	Year (2011-12)			0.00	0.00				
2012-13										
1	Year (w-1)	Year (2012-13)			0.00	0.00				
2	Year (w-2)	Year (2011-12)			0.00	0.00				
3	Year (w-3)	Year (2010-11)			0.00	0.00				
2011-12										
1	Year (w-1)	Year (2011-12)			0.00	0.00				
2	Year (w-2)	Year (2010-11)			0.00	0.00				
3	Year (w-3)	Year (2009-10)			0.00	0.00				
2010-11										
1	Year (w-1)	Year (2010-11)			0.00	0.00				
2	Year (w-2)	Year (2009-10)			0.00	0.00				
3	Year (w-3)	Year (2008-09)			0.00	0.00				
2009-10										
1	Year (w-1)	Year (2009-10)			0.00	0.00				
2	Year (w-2)	Year (2008-09)			0.00	0.00				
3	Year (w-3)	Year (2007-08)			0.00	0.00				
2008-09										
1	Year (w-1)	Year (2008-09)			0.00	0.00				
2	Year (w-2)	Year (2007-08)			0.00	0.00				
3	Year (w-3)	Year (2006-07)			0.00	0.00				
2007-08										
1	Year (w-1)	Year (2007-08)			0.00	0.00				
2	Year (w-2)	Year (2006-07)			0.00	0.00				
3	Year (w-3)	Year (2005-06)			0.00	0.00				
2006-07										
1	Year (w-1)	Year (2006-07)			0.00	0.00				
2	Year (w-2)	Year (2005-06)			0.00	0.00				
3	Year (w-3)	Year (2004-05)			0.00	0.00				
2005-06										
1	Year (w-1)	Year (2005-06)			0.00	0.00				
2	Year (w-2)	Year (2004-05)			0.00	0.00				
3	Year (w-3)	Year (2003-04)			0.00	0.00				
2004-05										
1	Year (w-1)	Year (2004-05)			0.00	0.00				
2	Year (w-2)	Year (2003-04)			0.00	0.00				
3	Year (w-3)	Year (2002-03)			0.00	0.00				
2003-04										
1	Year (w-1)	Year (2003-04)			0.00	0.00				
2	Year (w-2)	Year (2002-03)			0.00	0.00				
3	Year (w-3)	Year (2001-02)			0.00	0.00				
2002-03										
1	Year (w-1)	Year (2002-03)			0.00	0.00				
2	Year (w-2)	Year (2001-02)			0.00	0.00				
3	Year (w-3)	Year (2000-01)			0.00	0.00				
2001-02										
1	Year (w-1)	Year (2001-02)			0.00	0.00				
2	Year (w-2)	Year (2000-01)			0.00	0.00				
3	Year (w-3)	Year (1999-00)			0.00	0.00				
2000-01										
1	Year (w-1)	Year (2000-01)			0.00	0.00				
2	Year (w-2)	Year (1999-00)			0.00	0.00				
3	Year (w-3)	Year (1998-99)			0.00	0.00				
1999-00										
1	Year (w-1)	Year (1999-00)			0.00	0.00				
2	Year (w-2)	Year (1998-99)			0.00	0.00				
3	Year (w-3)	Year (1997-98)			0.00	0.00				
1998-99										
1	Year (w-1)	Year (1998-99)			0.00	0.00				
2	Year (w-2)	Year (1997-98)			0.00	0.00				
3	Year (w-3)	Year (1996-97)			0.00	0.00				
1997-98										
1	Year (w-1)	Year (1997-98)			0.00	0.00				
2	Year (w-2)	Year (1996-97)			0.00	0.00				
3	Year (w-3)	Year (1995-96)			0.00	0.00				
1996-97										
1	Year (w-1)	Year (1996-97)			0.00	0.00				
2	Year (w-2)	Year (1995-96)			0.00	0.00				
3	Year (w-3)	Year (1994-95)			0.00	0.00				
1995-96										
1	Year (w-1)	Year (1995-96)			0.00	0.00				
2	Year (w-2)	Year (1994-95)			0.00	0.00				
3	Year (w-3)	Year (1993-94)			0.00	0.00				
1994-95										
1	Year (w-1)	Year (1994-95)			0.00	0.00				
2	Year (w-2)	Year (1993-94)			0.00	0.00				
3	Year (w-3)	Year (1992-93)			0.00	0.00				
1993-94										
1	Year (w-1)	Year (1993-94)			0.00	0.00				
2	Year (w-2)	Year (1992-93)			0.00	0.00				
3	Year (w-3)	Year (1991-92)			0.00	0.00				
1992-93										
1	Year (w-1)	Year (1992-93)			0.00	0.00				
2	Year (w-2)	Year (1991-92)			0.00	0.00				
3	Year (w-3)	Year (1990-91)			0.00	0.00				
1991-92										
1	Year (w-1)	Year (1991-92)			0.00	0.00				
2	Year (w-2)	Year (1990-91)			0.00	0.00				
3	Year (w-3)	Year (1989-90)			0.00	0.00				
1990-91										
1	Year (w-1)	Year (1990-91)			0.00	0.00				
2	Year (w-2)	Year (1989-90)			0.00	0.00				
3	Year (w-3)	Year (1988-89)			0.00	0.00				
1989-90										
1	Year (w-1)	Year (1989-90)			0.00	0.00				
2	Year (w-2)	Year (1988-89)			0.00	0.00				
3	Year (w-3)	Year (1987-88)			0.00	0.00				
1988-89										
1	Year (w-1)	Year (1988-89)			0.00	0.00				
2	Year (w-2)	Year (1987-88)			0.00	0.00				
3	Year (w-3)	Year (1986-87)			0.00	0.00				
1987-88										
1	Year (w-1)	Year (1987-88)			0.00	0.00				
2	Year (w-2)	Year (1986-87)			0.00	0.00				
3	Year (w-3)	Year (1985-86)			0.00	0.00				
1986-87										
1	Year (w-1)	Year (1986-87)			0.00	0.00				
2	Year (w-2)	Year (1985-86)			0.00	0.00				
3	Year (w-3)	Year (1984-85)			0.00	0.00				
1985-86										
1	Year (w-1)	Year (1985-86)			0.00	0.00				
2	Year (w-2)	Year (1984-85)			0.00	0.00				
3	Year (w-3)	Year (1983-84)			0.00	0.00				
1984-85										
1	Year (w-1)	Year (1984-85)			0.00	0.00				
2	Year (w-2)	Year (1983-84)			0.00	0.00				
3	Year (w-3)	Year (1982-83)			0.00	0.00				
1983-84										
1	Year (w-1)	Year (1983-84)			0.00	0.00				
2	Year (w-2)	Year (1982-83)			0.00	0.00				
3	Year (w-3)	Year (1981-82)			0.00	0.00				
1982-83										
1	Year (w-1)	Year (1982-83)			0.00	0.00				
2	Year (w-2)	Year (1981-82)			0.00	0.00				
3	Year (w-3)	Year (1980-81)			0.00	0.00				
1981-82										
1	Year (w-1)	Year (1981-82)			0.00	0.00				
2	Year (w-2)	Year (1980-81)			0.00	0.00				
3	Year (w-3)	Year (1979-80)			0.00	0.00				
1980-81										
1	Year (w-1)	Year (1980-81)			0.00	0.00				
2	Year (w-2)	Year (1979-80)			0.00	0.00				
3	Year (w-3)	Year (1978-79)			0.00	0.00				
1979-80										
1	Year (w-1)	Year (1979-80)			0.00	0.00				
2	Year (w-2)	Year (1978-79)			0.00	0.00				
3	Year (w-3)	Year (1977-78)			0.00	0.00				
1978-79										
1	Year (w-1)	Year (1978-79)			0.00	0.00				
2	Year (w-2)	Year (1977-78)			0.00	0.00				
3	Year (w-3)	Year (1976-77)			0.00	0.00				
1977-78										
1	Year (w-1)	Year (1977-78)			0.00	0.00				
2	Year (w-2)	Year (1976-77)			0.00	0.00				
3	Year (w-3)	Year (1975-76)			0.00	0.00				
1976-77										
1	Year (w-1)	Year (1976-77)			0.00	0.00				
2	Year (w-2)	Year (1975-76)			0.00	0.00				
3	Year (w-3)	Year (1974-75)			0.00	0.00				
1975-76										
1	Year (w-1)	Year (1975-76)			0.00	0.00				
2	Year (w-2)	Year (1974-75)			0.00	0.00				
3	Year (w-3)	Year (1973-74)			0.00	0.00				
1974-75										
1	Year (w-1)	Year (1974-75)			0.00	0.00				
2	Year (w-2)	Year (1973-74)			0.00	0.00				
3	Year (w-3)	Year (1972-73)			0.00	0.00				
1973-74										
1	Year (w-1)	Year (1973-74)								

S. No.	FY	Name of the package (BTO, BOP, Civil works etc.)	Name of the work	Total estimate cost (Rs. Crore)	Capital expenditure during the year (Rs. Crore)	Capitalisation during the year (Rs. Crore)	Asset group under which the capitalisation has been accounted (Land, Buildings, etc.)	Scope of work	Relevant Clause of the TSERC MTR Regulation, 2023 under which the capitalisation has been claimed	Justification	Included in Approved Project Cost or Not
A	Year 2022-23 (n)										
			Total 2022-23		Nil	Nil					
B	Current Year 2023-24 (n)										
			Total 2023-24		Nil	Nil					
C	Year 2024-25 (n+1)										
1			Stage-II-Design, Engineering, Supply, Erection, Testing & Commissioning of New 2000 KL storage capacity HFO tank in place of damaged existing HFO tank of size 7.5 Mtrs height, 10 Mtrs radius required for Kakatiya Thermal Power Project. Stage-I as per Design & Fabrication Code: IS - 803, duly dismantling the existing HFO tank pertaining to Fuels-II sub division/MM-1/CHP/IKTPP.	5.00			Plant & Machinery (1300)	1) Dismantling of existing damaged HFO Tank and 2) Construction of new 2000KL HFO Tank; a) Supply of all the material required for construction of new tank including all accessories, Appurtenances and Mountings. b) Erection of the new HFO Tank as per approved drawing in place of existing damaged HFO Tank. c) The following Tests are to be performed. 1) Bottom Testing 2) Shell Testing. 3) Fired Roof Testing. 4) Repair of Leaks.	22.3(iii) - Additional Capitalization	The Estimate is prepared for an amount of Rs. 5,00,00,000.00 (Rupees Five crores Only). Excluding Goods and Service Tax for the work of Design, Engineering, Supply, Erection, Testing & Commissioning of New 2000 KL storage capacity of HFO tank stage-I as of leakage observed from tank at 2.40 Mtr level at fuel oil pump house stage-I pertaining to Fuels-II sub division/MM-1/CHP/IKTPP. It is very essential to take up the reconstruction work of 2000KL HFO Tank as the tank may further damage and become hazardous. Also its storage capacity is dropped to 754KL only upto 2.40mtrs where leakage observed). The tank dead stock is 434KL which we are not able to use for Unit emergencies. Hence resultant dead stock dropped down to 320KL only which will be very less for the capacity of a 500MW Generator.	Not included in Approved Project Cost (Project cost)
2			Stage-II-Procurement of the quick erect scaffolding	4			Plant & Machinery (1300)	Cup lock scaffolding for 600MW boiler-1 set Model: cup lock	Clause No.22.3(i) of TSERC Regulation 1 of 2023	Enclosed	
3			Stage-II-MM-1-Procurement of 2 no Hydraulic Excavator with HD Bucket for newly constructed Additional CHP RC hopper, pertaining to SD-MM-1/IKTPP	0.96			Vehicle (1700)	The Additional coal handling plant also commissioned and coal feeding has taken through both the hopper. For clearance of coal, removal of boulders at newly constructed Additional CHP RC hopper area, 2 no Hydraulic Excavators are required in addition to the existing excavator.	22.3(ii) (Additional Capitalization)	Existing L&T CK72 excavator is run more than 24000 running hours and Tata-I & Tata-II excavators are run more than 30000 & 20000 running hours respectively. Lives of the above excavators were expired. L&T CK72 excavator is obsolete model and presently not available with L&T. At present it observed that from both Tata Ex-110 excavator's engine gelling while smoke from breather and radiator cooling water is mixing with engine oil in engine block. It is very much essential to procure the new Excavators as the existing machines getting old.	Not included in Approved project Cost (Project cost)

S. No.	FY	Name of the package (EPC, BOP, Civil Works etc.)	Name of the work	Total estimate of cost* (Rs. Crore)	Capital expenditure during the year (Rs. Crore)	Capitalisation during the year (Rs. Crore)	Asset group under which the capitalisation has been accounted (Land, Buildings, etc.)	Scope of work	Relevant Clause of the TSENC MYT Regulation, 2022 under which the capitalisation has been claimed	Justification	Included in Approved Project Cost or Not
4			TGGENCO- Design, Supply, Construction, Erection, Testing and commissioning of 1 MLD (100 Cum per day) capacity sewage treatment plant including civil works and E&M works etc., with MBBR system including network complete on EPC basis in KTPP Power house area.			0.6454545			22.1 - Additional Capitalisation	1. As per requirement of consent condition issued by state pollution control board as per ISO 14001:2015 certification conducted on 01-30-05-2024 at KTPP (reference is here with enclosed) 2. And also as per ISO 14001:2015 certification conducted on 01-30-05-2024 at KTPP (reference is here with enclosed)	1. As per requirement of consent condition issued by state pollution control board as per ISO 14001:2015 certification conducted on 01-30-05-2024 at KTPP (reference is here with enclosed)
			Total 2024-25	4	2.99	0.55					
5	Year 2025-26 (R-2)									Works not included in Approved project Cost (Non project cost)	
			Installation of Flue Gas Desulfurization (FGD) and Upgradation of Electrostatic Precipitators (ESP) at KTPP-1. It is required as per CFO of KTP - Stage-I&II and MOEF&OC						22.1 - Additional Capitalisation	Installation of Pollution Control Equipment at KTPP-1. It is required to meet the MOEF&OC guidelines dated 07.12.2015 & 10.10.2020. Buyer will be finalized by the CE/GenT/GENCO as per the progress processing at Head Quarters	
6			TGGENCO- Design, Supply, Construction, Erection, Testing and commissioning of 1 MLD (100 Cum per day) capacity sewage treatment plant including civil works and E&M works etc., with MBBR system including network complete on EPC basis in KTPP Power house area.			1.09			22.1 - Additional Capitalisation	1. As per requirement of consent condition issued by state pollution control board as per ISO 14001:2015 certification conducted on 01-30-05-2024 at KTPP (reference is here with enclosed) 2. And also as per ISO 14001:2015 certification conducted on 01-30-05-2024 at KTPP (reference is here with enclosed)	1. As per requirement of consent condition issued by state pollution control board as per ISO 14001:2015 certification conducted on 01-30-05-2024 at KTPP (reference is here with enclosed)
			Total 2025-26			1.09					
7	Year 2026-27 (R-3)									Works not included in Approved project Cost (Non project cost)	
			TGGENCO-Taking up of raising of existing Ash pond bund including three wells from EL (+) 182.70 M to EL (+) 187.70 M.			13.64			22 - Additional Capitalisation	The top level of existing Ash pond bund is 182.70 M. After considering a free board of 0.50 M, the maximum level up to which the ash can be filled is 182.20 M and this corresponds to a bulk storage capacity of 47,04,391 cum (approximately). At present, the ash is filled up to a level of 178.60 M and this corresponds to a bulk storage capacity of 30,17,899 cum (approximately). Hence, the balance available storage capacity is 16,86,491 cum. This storage capacity is sufficient to stack ash for a period of 3 years under worst case of utilization i.e. 2016 utilization. Hence, raising up of existing ash pond bund including 3 Nos wells upto EL (+) 187.70M is essential.	
			Total 2026-27		13.64	18.28					
F	Year 2027-28 (R-4)										
			Total 2027-28		NB	N1					
	Year 2028-29 (R-5)										
			Total 2028-29		N1	N1					

<TGGENCO>

<KTPP-II>

Form 3.2: Financing of Additional Capitalisation

S. No.	Particulars	FY 2022-23 Actual	FY 2023-24		Control Period				FY 2028-29 Projected
			Apr - Mar	Estimated	FY 2024-25 Projected	FY 2025-26 Projected	FY 2026-27 Projected	FY 2027-28 Projected	
1	Additional capitalisation	-6.50	8.19		0.55	0.00	11.57	0.00	0.00
2	Financing Details								
	Loan 1								
	Loan 2								
	...								
	Total Loan	0.00	0.00		0.00	0.00	0.00	0.00	0.00
3	Equity	-1.95	2.46		0.14	0.00	2.89	0.00	0.00
4	Internal Resources	-4.55	5.73		0.41	0.00	8.68	0.00	0.00
5	Others (Please Specify)								
6	Total (2+3+4+5)	-6.50	8.19		0.55	0.00	11.57	0.00	0.00

Form 4: Fixed Assets & Depreciation

(Rs. Crore)

FY 2022-23													RS. Crore
S.No.	Asset Group	A/c Code	Rate of Depreciation	Gross fixed Assets			Provisions for depreciation			Net fixed Assets		At the end of the year	
				At the beginning of the year	Additions during the year	Adjust. & deductions	At the end of the year	Cumulative upto the beginning of the year	Additions during the year	Adjust. during the year	Cumulative at the end of the year		At the beginning of the year
1	Land & Land Rights	1000	0.00%	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
2	Buildings	1100	3.34%	214.62	0.19	0.00	214.81	25.60	7.17	0.00	32.77	189.02	182.04
3	Lines & Cable Network	1200	5.28%	68.39	0.00	0.00	68.39	24.77	3.61	0.00	28.38	43.62	40.01
4	Plant & Machinery	1300	5.28%	2753.63	0.60	0.00	2754.23	761.15	145.41	0.00	906.57	1992.47	1847.65
5	Capital Spares	1400	5.28%	167.80	0.00	0.00	167.80	53.88	8.86	0.00	62.74	113.91	105.05
6	Hydraulic Works	1500	5.28%	550.33	-7.29	0.00	543.04	214.71	28.87	0.00	243.58	335.62	299.46
7	Other Civil Works	1600	3.34%	12.55	0.00	0.00	12.55	1.88	0.42	0.00	2.30	10.67	10.25
8	Vehicles	1700	9.50%	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
9	Furniture& Fixtures	1800	6.33%	0.20	0.00	0.00	0.20	0.12	0.01	0.00	0.13	0.08	0.07
10	Computers	1900	15.00%	0.20	0.00	0.00	0.20	0.17	0.03	0.00	0.20	0.02	-0.01
11	Office Equipment	2100	6.33%	0.05	0.00	0.00	0.05	0.01	0.00	0.00	0.02	0.04	0.04
	Intangible Assets	2200	15.00%		0.00	0.00	0.00	0.00	0.00				0.00
	Total		5.16%	3767.77	-5.50	0.00	3761.27	1082.32	194.38	0.00	1276.70	2685.45	2484.57
				3767.77	-5.497905	0	3761.2689	1082.318967	194.37944	0	1276.696405	2685.44785	2484.5705
FY 2023-24													
S.No.	Asset Group	A/c Code	Rate of Depreciation	Gross fixed Assets			Provisions for depreciation			Net fixed Assets		At the end of the year	
				At the beginning of the year	Additions during the year	Adjust. & deductions	At the end of the year	Cumulative upto the beginning of the year	Additions during the year	Adjust. during the year	Cumulative at the end of the year		At the beginning of the year
1	Land & Land Rights	1000	0	0.00	0.00		0.00	0.00	0.00		0.00	0.00	0.00
2	Buildings	1100	3.34%	214.81	0.00		214.81	32.77	7.17		39.95	182.04	174.86
3	Lines & Cable Network	1200	5.28%	68.39	0.00		68.39	28.38	3.61		31.99	40.01	36.40
4	Plant & Machinery	1300	5.28%	2754.23	1.56		2755.79	906.57	145.46		1052.03	1847.66	1703.76
5	Capital Spares	1400	5.28%	167.80	4.90		172.70	62.74	8.99		71.73	105.06	100.97
6	Hydraulic Works	1500	5.28%	543.04	0.00		543.04	243.58	28.67		272.25	299.46	270.79
7	Other Civil Works	1600	3.34%	12.55	1.70		14.25	2.30	0.45		2.74	10.25	11.50
8	Vehicles	1700	9.50%	0.00	0.00		0.00	0.00	0.00		0.00	0.00	0.00
9	Furniture & Fixtures	1800	6.33%	0.20	0.03		0.23	0.13	0.01		0.15	0.07	0.09
10	Computers	1900	15%	0.20	0.00		0.20	0.20	0.03		0.23	-0.01	-0.04
11	Office Equipment	2100	6.33%	0.05	0.00		0.05	0.02	0.00		0.02	0.04	0.03
12	Intangible Assets	2200	15.00%	0.00	0.00		0.00	0.00	0.00				
	Total		5.16%	3761.27	8.19	0.00	3769.46	1276.70	194.41	0.00	1471.10	2484.57	2298.35
				3761.27	8.1890493	0	3769.458	1276.698405	194.40596	0	1471.104362	2484.570507	2298.3536

FY 2024-25

FY 2024-25													
S.No.	Asset Group	A/c Code	Rate of Depreciation	Gross fixed Assets			Provisions for depreciation				Net fixed Assets		
				At the beginning of the year	Additions during the year	Adjust. & deductions	At the end of the year	Cumulative upto the beginning of the year	Additions during the year	Adjust. during the year	Cumulative at the end of the year	At the beginning of the year	At the end of the year
1	Land & Land Rights	1000	0.00%	0.00			0.00	0.00		0.00	0.00	0.00	0.00
2	Buildings	1100	3.34%	214.81			214.81	39.95	7.17		47.12	174.86	167.69
3	Lines and Cable Network	1200	5.28%	68.39			68.39	31.99	3.61		35.61	36.40	32.78
4	Plant & Machinery	1300	5.28%	2755.79	3.35		2759.14	1052.03	63.92		1115.96	1703.76	1643.18
5	Capital Spares	1400	5.28%	172.70			172.70	71.73	9.12		80.85	100.97	91.85
6	Hydraulic Works	1500	5.28%	543.04			543.04	272.25	28.67		300.92	270.79	242.12
7	Other Civil Works	1600	3.34%	14.25			14.25	2.74	0.48		3.22	11.50	11.03
8	Vehicles	1700	9.50%	0.00			0.00	0.00	0.00		0.00	0.00	0.00
9	Furniture & Fixtures	1800	6.33%	0.23			0.23	0.15	0.01		0.16	0.09	0.07
10	Computers	1900	15.00%	0.20			0.20	0.23	0.03		0.26	-0.04	-0.07
11	Office Equipment	2100	6.33%	0.05			0.05	0.02	0.00		0.02	0.03	0.03
	Intangible Assets	2200	0.00%	0.00			0.00	0.00	0.00		0.00	0.00	0.00
	Total		3.00%	3769.46	3.35	0.00	3772.81	1471.10	113.02	0.00	1584.13	2298.35	2188.68

FY 2025-26

FY 2025-26													
S.No.	Asset Group	A/c Code	Rate of Depreciation	Gross fixed Assets			Provisions for depreciation				Net fixed Assets		
				At the beginning of the year	Additions during the year	Adjust. & deductions	At the end of the year	Cumulative upto the beginning of the year	Additions during the year	Adjust. during the year	Cumulative at the end of the year	At the beginning of the year	At the end of the year
1	Land & Land Rights	1000	0.00%	0.00			0.00	0.00	0.00		0.00	0.00	0.00
2	Buildings	1100	3.34%	214.81			214.81	47.12	7.17		54.30	167.69	160.51
3	Lines and Cable Network	1200	5.28%	68.39			68.39	35.61	3.61		39.22	32.78	29.17
4	Plant & Machinery	1300	5.28%	2759.14	1.09		2760.23	1115.96	64.11		1180.07	1643.18	1580.16
5	Capital Spares	1400	5.28%	172.70			172.70	80.85	9.12		89.97	91.85	82.73
6	Hydraulic Works	1500	5.28%	543.04			543.04	300.92	28.67		329.60	242.12	213.44
7	Other Civil Works	1600	3.34%	14.25			14.25	3.22	0.48		3.70	11.03	10.55
8	Vehicles	1700	9.50%	0.00			0.00	0.00	0.00		0.00	0.00	0.00
9	Furniture & Fixtures	1800	6.33%	0.23			0.23	0.16	0.01		0.18	0.07	0.06
10	Computers	1900	15.00%	0.20			0.20	0.26	0.03		0.29	-0.07	-0.10
11	Office Equipment	2100	6.33%	0.05			0.05	0.02	0.00		0.03	0.03	0.03
	Intangible Assets	2200	0.00%	0.00			0.00	0.00	0.00		0.00	0.00	0.00
	Total		3.00%	3772.81	1.09	0.00	3773.90	1584.13	113.21	0.00	1697.34	2188.68	2076.56

FY 2026-27

FY 2026-27													
S.No.	Asset Group	A/c Code	Rate of Depreciation	Gross fixed Assets			Provisions for depreciation				Net fixed Assets		
				At the beginning of the year	Additions during the year	Adjust. & deductions	At the end of the year	Cumulative upto the beginning of the year	Additions during the year	Adjust. during the year	Cumulative at the end of the year	At the beginning of the year	At the end of the year
1	Land & Land Rights	1000	0.00%	0.00			0.00	0.00	0.00		0.00	0.00	0.00
2	Buildings	1100	3.34%	214.81			214.81	54.30	7.17		61.47	160.51	153.34
3	Lines and Cable Network	1200	5.28%	68.39			68.39	39.22	3.61		42.83	29.17	25.56
4	Plant & Machinery	1300	5.28%	2760.23	30.66		2790.89	1180.07	64.18		1244.25	1580.16	1546.64
5	Capital Spares	1400	5.28%	172.70			172.70	89.97	9.12		99.09	82.73	73.61

FY 2027-28												
S.No.	Asset Group	A/c Code	Rate of Depreciation	Gross fixed Assets			Provisions for depreciation			Net fixed Assets		
				At the beginning of the year	Additions during the year	Adjust. & deductions	At the end of the year	Cumulative upto the beginning of the year	Additions during the year	Adjust. during the year	Cumulative at the end of the year	At the beginning of the year
1	Land & Land Rights	1000	0.00%	0.00			0.00	0.00		0.00	0.00	0.00
2	Buildings	1100	3.34%	214.81			214.81	61.47	7.17		68.65	153.34
3	Lines and Cable Network	1200	5.28%	68.39			68.39	42.83	3.61		46.44	25.56
4	Plant & Machinery	1300	5.28%	2790.89			2790.89	1244.25	66.15		1310.40	1480.50
5	Capital Spares	1400	5.28%	172.70			172.70	99.09	9.12		108.21	73.61
6	Hydraulic Works	1500	5.28%	543.04			543.04	358.27	28.67		386.94	164.77
7	Other Civil Works	1600	3.34%	14.25			14.25	4.17	0.48		4.65	10.07
8	Vehicles	1700	9.50%	0.00			0.00	0.00	0.00		0.00	0.00
9	Furniture& Fixtures	1800	6.33%	0.23			0.23	0.19	0.01		0.21	0.04
10	Computers	1900	15.00%	0.20			0.20	0.32	0.03		0.35	-0.12
11	Office Equipment	2100	5.33%	0.05			0.05	0.03	0.00		0.03	0.02
	Intangible Assets	2200	0.00%	0.00			0.00	0.00	0.00		0.00	0.00
	Total		3.03%	3804.56	0.00	0.00	3804.56	1810.62	115.25	0.00	1925.87	1993.94
				3804.56	0.00	0.00	3804.56	1810.62	115.25	0.00	1925.87	1993.94
												1878.69

FY 2028-29													
S.No.	Asset Group	A/c Code	Rate of Depreciation	Gross fixed Assets			Provisions for depreciation				Net fixed Assets		
				At the beginning of the year	Additions during the year	Adjust. & deductions	At the end of the year	Cumulative upto the beginning of the year	Additions during the year	Adjust. during the year	Cumulative at the end of the year	At the beginning of the year	At the end of the year
1	Land & Land Rights	1000	0.00%	0.00			0.00	0.00		0.00	0.00	0.00	0.00
2	Buildings	1100	3.34%	214.81			214.81	68.65	7.17		75.82	146.16	138.99
3	Lines and Cable Network	1200	5.28%	68.39			68.39	46.44	3.61		50.05	21.95	18.34
4	Plant & Machinery	1300	5.28%	2790.89			2790.89	1310.40	66.15		1376.54	1480.50	1414.35
5	Capital Spares	1400	5.28%	172.70			172.70	108.21	9.12		117.33	64.49	55.37
6	Hydraulic Works	1500	5.28%	543.04			543.04	366.94	28.67		415.61	166.10	127.43
7	Other Civil Works	1600	3.34%	14.25			14.25	4.65	0.48		5.12	9.60	9.12
8	Vehicles	1700	9.50%	0.00			0.00	0.00	0.00		0.00	0.00	0.00
9	Furniture& Fixtures	1800	6.33%	0.23			0.23	0.21	0.01		0.22	0.03	0.01
10	Computers	1900	15.00%	0.20			0.20	0.35	0.03		0.38	-0.15	-0.18
11	Office Equipment	2100	6.33%	0.05			0.05	0.03	0.00		0.04	0.02	0.02
	Intangible Assets	2200	0.00%	0.00			0.00	0.00	0.00		0.00	0.00	0.00
	Total		3.03%	3804.56	0.00	0.00	3804.56	1925.87	115.25	0.00	2041.12	-0.11	-0.16

6	Hydraulic Works	1500	5.28%	543.04				543.04	329.60	28.67		358.27	213.44	184.77
7	Other Civil Works	1600	3.34%	14.25				14.25	3.70	0.48		4.17	10.55	10.07
8	Vehicles	1700	9.50%	0.00				0.00	0.00	0.00		0.00	0.00	0.00
9	Furniture & Fixtures	1800	6.33%	0.23				0.23	0.18	0.01		0.19	0.06	0.04
10	Computers	1900	15.00%	0.20				0.20	0.29	0.03		0.32	-0.10	-0.12
11	Office Equipment	2100	6.33%	0.05				0.05	0.03	0.00		0.03	0.03	0.02
	Intangible Assets	2200	0.00%	0.00				0.00	0.00	0.00		0.00	0.00	0.00
	Total		2.99%	3773.90	30.68	0.00	0.00	3804.56	1697.34	113.28	0.00	1810.62	2076.56	1993.94
				3773.90	30.66			3804.56	1697.34	113.28	0.00	1810.62	2076.56	1993.94

Form 5: Interest and finance charges on loan

A. Normative Loan

S. No.	Particulars	Year (n-1)		Current Year 'n'		Control Period				(Rs. Crore)
		MYT/ tariff Order Approved	Apr-Mar Audited	True-Up requirement Claimed	MYT/ tariff Order Approved	Apr-Mar Estimated	FY 2024-25 Projected	FY 2025-26 Projected	FY 2026-27 Projected	
1	Opening Balance of Gross Normative Loan	2637.44	2637.44	2637.44	2632.89	2632.89	2638.62	2840.97	2841.73	Projected 2663.19
2	Cumulative Repayment till the year	1082.32	1082.32	1082.32	1076.70	1076.70	1471.10	1584.13	1692.34	Projected 1810.62
3	Opening Balance of Net Normative Loan	1555.12	1555.12	1555.12	1556.19	1556.19	1167.52	1256.84	1149.39	Projected 852.57
4	Less: Reduction of Normative Loan due to retirement or replacement of assets									
5	Addition of Normative Loan due to capitalisation during the year ¹		-4.55	-4.55		5.73	2.35	0.76	21.46	0.00
6	Repayment of Normative loan during the year	194.38	194.38	194.38	160.11	164.41	113.02	113.21	119.28	115.25
7	Closing Balance of Net Normative Loan	1360.74	1356.19	1356.19	1176.08	1167.52	1056.84	944.39	862.57	737.32
8	Closing Balance of Gross Normative Loan	2443.06	2438.51	2438.51	2432.77	2444.22	2527.94	2528.52	2549.91	2547.84
9	Average Balance of Net Normative Loan	1457.93	1455.55	1455.55	1266.13	1261.85	1112.18	1000.81	898.48	794.95
10	Weighted average Rate of Interest on actual Loans (%)	10.59%	10.21%	10.21%	10.66%	10.30%	10.30%	10.30%	10.30%	10.30%
11	Interest	154.39	148.52	148.52	134.97	129.87	114.55	103.06	92.54	81.88
12	Finance charges									
13	Total Interest & Finance charges	137.16	148.52	148.52	129.73	129.87	114.55	103.06	92.54	81.88

Note:

¹ In case actual loan is more than 75%, the modification in the formula need to be done accordingly

B. Actual loan portfolio

S. No.	Particulars	Year (n-1)		2023-24		FY 2024-25		FY 2025-26		FY 2026-27		FY 2027-28		FY 2028-29
		Apr-Mar Audited	Apr-Mar Estimated	Apr-Mar Audited	Apr-Mar Estimated	Estimated	Estimated	Estimated	Estimated	Projected	Projected	Projected	Projected	
1	Loan 1-REC													
	Opening Balance of Loan	1538.51	1289.27	1035.65	782.02	528.39	274.76	21.13						
	Addition of Loan during the year	4.08	0.00	0.00	0.00	0.00	0.00	0.00						
	Loan Repayment during the year	253.33	253.62	253.63	253.63	253.63	253.63	21.13						
	Closing Balance of Loan	1289.27	1035.65	782.02	528.39	274.76	21.13	0.00						
	Average Loan Balance	1424.72	1172.62	919.42	665.73	412.14	188.54	1.75						
	Applicable Interest Rate (%)	10.28	10.30	10.30	10.30	10.30	10.30	10.30						
	Interest	148.46	120.78	94.70	68.57	42.45	18.33	0.18						
	Finance charges	0.00	0.00	0.00	0.00	0.00	0.00	0.00						
	Total Interest & Finance charges	148.46	120.78	94.70	68.57	42.45	18.33	0.18						
2	Loan 1-Andhra Bank (Now Union Bank of India)													
	Opening Balance of Loan	79.67	33.46											
	Addition of Loan during the year	0.00	0.00											
	Loan Repayment during the year	46.21	33.46											
	Closing Balance of Loan	33.46	0.00											
	Average Loan Balance	58.19	13.37											
	Applicable Interest Rate (%)	8.60	8.65											
	Interest	5.00	1.33											
	Finance charges	0.00	0.00											
	Total Interest & Finance charges	5.00	1.33											
	Total													
	Opening Balance of Loan	1618.18	1322.73	1035.65	782.02	528.39	274.76	21.13						
	Addition of Loan during the year	4.09	0.00	0.00	0.00	0.00	0.00	0.00						
	Loan Repayment during the year	299.54	287.08	253.63	253.63	253.63	253.63	21.13						
	Closing Balance of Loan	1322.73	1035.65	782.02	528.39	274.76	21.13	0.00						
	Average Loan Balance	1482.91	1185.99	919.42	665.73	412.14	188.54	1.75						
	Applicable Interest Rate (%)	10.21	10.30	10.30	10.30	10.30	10.30	10.30						
	Interest	151.46	122.11	94.70	68.57	42.45	18.33	0.18						
	Finance charges	0.00	0.00	0.00	0.00	0.00	0.00	0.00						
	Total Interest & Finance charges	151.46	122.11	94.70	68.57	42.45	18.33	0.18						

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Form 6: Interest on working capital

S. No.	Particulars	FY 2022-23		FY 2023-24		Control Period				(Rs. Crore)	
		MYT/Tariff Order	True-Up requirement	MYT/Tariff Order	Apr - Mar	FY 2024-25	FY 2025-26	FY 2026-27	FY 2027-28	FY 2028-29	
		Approved	Audited	Claimed	Approved	Estimated	Projected	Projected	Projected	Projected	
1	Cost of coal, towards stock	112.35	108.08	108.08	113.87	111.63	72.59	75.53	77.04	78.58	
2	Cost of coal for generation	112.35	108.08	108.08	113.87	111.63	108.89	113.29	115.56	117.87	
3	Cost of secondary fuel oil	10.03	2.07	2.07	9.97	1.45	1.18	1.23	1.26	1.28	
4	O&M expenses	15.04	20.83	20.83	15.83	21.56	21.08	23.19	24.37	25.58	
5	Maintenance spares	36.09	50.00	50.00	37.99	51.74	37.69	37.74	38.05	38.05	
6	Receivables ¹	366.30	367.66	367.66	365.74	373.37	258.18	265.65	270.31	273.69	
	Less:										
7	Payables for Fuels ²	117.30	109.10	109.10	118.79	112.34	110.06	114.51	116.80	119.13	
8	Total Working Capital requirement	534.87	547.62	547.62	538.48	559.03	389.57	402.13	409.78	415.91	
9	Interest rate	8.55%	9.44%	9.44%	8.55%	10.08%	10.15%	10.15%	10.15%	10.15%	
10	Interest on working capital	41.75	51.69	51.69	42.74	56.35	39.54	40.82	41.59	42.22	

Note:

1 In case actual availability is less or more than normative value, the modification in the formula need to be done accordingly.

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Form 7: Return on Equity

S. No.	Particulars	FY 2022-23			FY 2023-24		Control Period							(Rs. Crores)
		MYT/Tariff Order	Apr-Mar	True-Up requirement	MYT/Tariff Order	Apr - Mar	FY 2024-25	FY 2025-26	FY 2026-27	FY 2027-28	FY 2028-29			
		Approved 1130.33005	Audited 1130.33 -6.50 -1.95	Claimed 1130.330045 -6.50 -1.95	Approved 1130.33 0.00 0.00	Estimated 1128.38 8.19 2.48	Projected 1130.84 3.35 1.01	Projected 1131.84 1.09 0.33	Projected 1132.17 30.66 9.20	Projected 1141.37 0.00 0.00	Projected 1141.37 0.00 0.00			
1	Regulatory Equity at the beginning of the year													
2	Capitalisation during the year													
3	Equity portion of capitalisation during the year													
4	Reduction in Equity Capital on account of retirement / replacement of assets													
5	Regulatory Equity at the end of the year													
	Rate of Return on Equity													
6	Base rate of Return on Equity													
7	Effective Income Tax rate													
8	Rate of Return on Equity													
	Return on Equity Computation													
9	Return on Regulatory Equity at the beginning of the year													
10	Return on Regulatory Equity addition during the year													
11	Total Return on Equity													

Note:

1 In case actual loan is more than 75%, the modification in the formula need to be done accordingly.

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Form 8: Non-Tariff Income

S. No.	Particulars	Year (n-1) (FY 2022-23)			Current Year 'n' (FY		Control Period						(Rs. Crore)
		MYT/Tariff Order	Apr-Mar	True-Up requirement	MYT/Tariff Order	Apr - Mar	FY 2024-25	FY 2025-26	FY 2026-27	FY 2027-28	FY 2028-29		
1	Income from rent of land or buildings		0.02	0.02		0.03	0.02	0.02	0.02	0.02	0.02	0.02	
2	Net income from sale of de-capitalised assets		-	-		-	-	-	-	-	-	-	
3	Income from sale of scrap												
4	Income from statutory investments		0.01	0.01		-	0.01	0.01	0.01	0.01	0.01	0.01	
5	Interest income on advances to suppliers/ contractors		-	-		-	-	-	-	-	-	-	
6	Income from rental from staff quarters		0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	
7	Income from rental from contractors		-	-		-	-	-	-	-	-	-	
8	Income from hire charges from contractors and others		0.00	0.00		0.00	0.00	0.00	0.00	0.00	0.00	0.00	
9	Income from sale of ash/rejected coal		26.61	26.61		28.30	29.43	30.61	31.83	33.11	34.43	34.43	
10	Income from advertisements		-	-		-	-	-	-	-	-	-	
11	Income from sale of tender documents		0.01	0.01		0.00	0.01	0.01	0.01	0.01	0.02	0.02	
12			1.36	1.36		0.32	0.42	0.44	0.45	0.47	0.49	0.49	
	Total	5.27	28.01	28.01	5.27	28.66	29.90	31.09	32.33	33.63	34.97	34.97	

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Form 10: Operational parameters

S. No.	Particulars	Units	Year (n-1) (FY 2022-23)			Current Year 'n' (FY 2023-24)			Control Period					Remarks
			MYT/Tariff Order	Apr-Mar	True-Up requirement	MYT/Tariff Order	Apr - Mar	Estimated	FY 2024-25	FY 2025-26	FY 2026-27	FY 2027-28	FY 2028-29	
			Approved	Audited	Claimed	Approved	Estimated		Projected	Projected	Projected	Projected	Projected	
1	Installed Capacity	MW	600											
	COD		24.03.2016											
	Type of Thermal Generating Station (Pithead/Non-Pithead)		Non-Pit Head											
2	Availability													
2.1	Target Availability for full recovery of AFC	%	80	80	80	80	80		85	85	85	85	85	
2.2	Actual/Projected Availability	%		87.52	87.52		90.03		85	85	85	85	85	
3	Plant Load Factor (PLF)													
3.1	Target PLF for Incentive	%	80	80	80	80	80		85	85	85	85	85	
3.2	Actual/Projected PLF	%		83.79	83.79		85.35		85	85	85	85	85	
4	Gross Generation													
4.1	Scheduled Generation	MU	4166.55	4166.55	4166.55	4219.00	4219.00		4235.10	4233.05	4236.46	4244.65	4231.93	
4.2	Actual/Projected Gross Generation	MU		4404.10	4404.10		4479.11		4469.76	4467.60	4471.20	4479.84	4471.20	
5	Auxiliary Consumption													
5.1	Normative Auxiliary Energy Consumption	%	7.00	7.00	7.00	7.00	7.00		5.25	5.25	5.25	5.25	5.25	
5.2	Actual/Projected Auxiliary Energy Consumption	%	7.00	5.39	5.39		5.81		5.25	5.25	5.25	5.25	5.25	
5.3	Actual/Projected Auxiliary Energy Consumption	MU		237.56	237.56		260.11		234.66	234.55	234.74	235.19	239.27	
5.4	Net Generation	MU		4166.55	4166.55		4219.00		4235.10	4233.05	4236.46	4244.65	4231.93	

S. No.	Particulars	Units	Year (n-1) (FY 2022-23)												Current Year 'n' (FY 2023-24)											
			Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep						
A	Opening Quantity																									
1	Opening quantity of coal	MT	100548.00	135112.53	179850.29	325482.83	300041.81	296350.47	199884.58	193785.48	322239.12	340589	358420.88	394863.71	419345	383929	360922	313435	241378	185457						
2	Value of stock	Rs.in Crs	46.73	66.76	86.65	157.97	147.19	146.86	98.58	100.48	172.72	185.43	193.08	212.42	223.74	205.57	171.98	154.15	120.96	93.94						
B	Procurement																									
3	Quantity of coal supplied by the coal company	MT	405850	421791	382810	243450	369903	346605	412039	457554	438418	418554	414189	451547	353229	374749	385524	299048	369796	385553						
4	Adjustment in coal quantity supplied by the coal company (-/+)	MT																								
5	Coal supplied by coal company (3+4)	MT	405850	421791	382810	243450	369903	346605	412039	457554	438418	418554	414189	451547	353229	374749	385524	299048	369796	385553						
6	Normative transit and handling loss	MT	3245	3374	3862	1948	2859	2773	3296	3660	3507	3348	3313	3612	2826	2898	2924	2392	2958	3084						
7	Net coal supplied	MT	402405.07	418416.68	379747.59	241502.81	366943.61	343831.82	408742.56	453893.67	434910.63	415205.56	410865.54	447934.23	350403.55	371751.42	362598.07	286655.76	388837.53	382465.86						
C	Price																									
8	Amount charged by coal company	Rs.in Crs	193.23	193.86	183.54	118.80	184.41	165.67	208.28	244.93	233.60	212.04	212.47	228.00	184.12	164.53	177.76	147.04	183.71	194.61						
9	Adjustment in amount charged by the coal company	Rs.in Crs	-0.84	-5.05	-8.10	-4.72	-9.31	-5.39	-2.90	-8.70	-4.86	-2.14	-2.49	-2.00	-3.99	-9.95	-8.03	-6.12	-7.50	-5.89						
10	Handling, sampling and such other similar charges	Rs.in Crs	0.70	0.70	0.87	0.89	0.71	0.73	0.71	0.79	0.71	2.17	1.10	1.43	0.74	2.57	1.64	3.95	3.07	2.84						
11	Total amount charged (8+9+10)	Rs.in Crs	193.09	189.51	175.31	114.77	175.81	161.00	206.09	236.02	229.54	212.07	211.07	227.44	180.87	157.15	171.37	144.86	179.28	191.56						
D	Transportation																									
12	Transportation charges																									
	By rail	Rs.in Crs																								
	By road	Rs.in Crs	8.75	10.41	9.64	5.40	8.23	7.49	10.94	10.65	9.85	9.85	9.90	9.70	7.55	7.61	7.57	6.71	7.83	8.35						
	By ship	Rs.in Crs																								

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Form 11.1 : Fuel Details for computation of Energy Charge Rate

S. No.	Particulars	Units	Year (n-1) (FY 2022-23)												Current Year 'n' (FY 2023-24)					
			Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
A	Opening Quantity																			
1	Opening quantity of oil	KL	1675.13	1542.49	1648.03	1553.25	1413.82	1650.39	1573.42	1551.01	1350.07	1546.57	1806.53	1400.87	1508.74	1623.16	1636.47	1619.90	1481.62	1993.93
2	Value of stock	Rs in Crs	9.37	9.16	10.56	9.94	9.28	11.04	10.50	10.48	8.72	10.04	10.33	9.09	9.72	10.41	10.35	10.25	9.34	12.92
B	Procurement																			
3	Quantity of oil supplied by the oil company	KL	299.16	250.52	0.00	390.43	610.17	0.00	224.59	192.97	335.14	349.73	0.00	354.53	224.09	250.31	0.00	606.20	722.72	368.46
4	Adjustment in oil quantity supplied by the oil company	KL																		
5	oil supplied by oil company (3+4)	KL	299.159	250.524	0	390.425	610.166	0	224.591	192.968	335.141	349.734	0	354.525	224.09	250.309	0	606.204	722.717	368.445
6	Normative transit and handling loss	KL																		
7	Net oil supplied	KL	299.159	250.524	0	390.425	610.166	0	224.591	192.968	335.141	349.734	0	354.525	224.09	250.309	0	606.204	722.717	368.445
C	Price																			
8	Amount charged by oil company	Rs in Crs	2.43	2.28	0.00	2.90	4.34	0.00	1.58	1.07	2.29	2.34	0.00	2.29	1.44	1.49	0.00	3.88	4.76	2.72
9	Adjustment in amount charged by the oil company	Rs in Crs																		
10	Handling, sampling and such other similar charges	Rs in Crs																		
11	Total amount charged (8+9+10)	Rs in Crs	2.43	2.28	0.00	2.90	4.34	0.00	1.58	1.07	2.29	2.34	0.00	2.29	1.44	1.49	0.00	3.88	4.76	2.72
D	Transportation																			
12	Transportation charges																			
	By rail	Rs in Crs																		
	By road	Rs in Crs																		
	By ship	Rs in Crs																		
	...	Rs in Crs																		
13	Adjustment in amount charged by the oil transporter	Rs in Crs																		
14	Demurrage charges, if any	Rs in Crs																		
15	Cost of diesel in transporting oil through MGR system, if	Rs in Crs																		

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Form 12: Energy Charge Rate

Particulars	Legend	Units	(FY 2022-23)			Current Year 'n' (FY 2023-24)			Control Period				
			MYT/Tariff Order	Apr-Mar	True-Up requirement	MYT/Tariff Order	Apr - Mar	Estimated	FY 2024-25	FY 2025-26	FY 2026-27	FY 2027-28	FY 2028-29
			Approved	Audited	Claimed	Approved			Projected	Projected	Projected	Projected	Projected
Auxiliary Consumption	AUX	%	7	5.39	5.39	7.00	5.81	5.25	5.25	5.25	5.25	5.25	5.25
Gross Station Heat Rate	GSHR	kcal/kWh	2400	2334.10	2334.10	2400	2366.96	2300	2300	2300	2300	2300	2300
Secondary Fuel oil consumption	SFC	ml/kWh	2	0.41918	0.42	2	0.30	0.5	0.5	0.5	0.5	0.5	0.5
Calorific Value of Secondary Fuel	CVSF	kcal/ml	9390	9390	9390	9390	9390	9390	9390	9390	9390	9390	9390
Landed Price of Secondary Fuel	LPSF	Rs./ml	0.07	0.07	0.07	0.07	0.07	0.06	0.06	0.06	0.07	0.07	0.07
Gross Calorific Value of Coal	CVPF	kcal/kg	3992	3992	3992	4024	4024	4087	4087	4087	4087	4087	4087
Landed Price of Coal	LPPF	Rs./kg	5.12	5.12	5.12	5.16	5.16	5.28	5.28	5.39	5.49	5.60	5.72
Specific Coal Consumption		kg/kWh	0.58	0.58	0.584	0.58	0.59	0.56	0.56	0.56	0.56	0.56	0.56
Cost Cost/kwh		Rs/kwh	3.281	3.156	3.156	3.284	3.22	3.13	3.13	3.19	3.26	3.32	3.39
Oil Cost/kwh		Rs/kwh	0.144	0.030	0.030	0.142	0.02	0.03	0.03	0.03	0.03	0.04	0.04
ECR		Rs./kWh	3.425	3.186	3.186	3.426	3.240	3.163	3.227	3.291	3.357	3.424	

* Energy Charges provisionally computed for next control period FY 2024-25 to FY 2028-29 based on actual weighted average cost of primary fuel and secondary fuel during January-24, February-24 and March-24 with 2% escalation year on year. However, actual energy charges shall be claimed as per TGERC regulation 2 of 2023.

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Form 13: Sales

FY 2022-23
Audited

Beneficiary	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Total
TSSPDCL (70.55%)	229.78	281.52	266.28	259.14	207.51	250.61	252.48	158.59	252.52	247.21	254.25	269.60	2939.50
TSNPDCL (29.45%)	95.92	117.52	111.16	108.17	86.62	104.61	105.39	86.20	109.58	103.20	106.13	112.54	1227.05
Total	325.71	399.04	377.44	367.31	294.13	355.22	357.87	224.80	372.10	350.41	360.38	382.14	4166.55

FY 2023-24
Estimated

Beneficiary	Actuals												Total
	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	
TSSPDCL (70.55%)	262.92	247.95	254.16	192.95	268.57	233.80	248.72	239.97	248.89	268.20	242.01	268.38	2976.51
TSNPDCL (29.45%)	109.75	103.50	106.10	80.54	112.11	97.59	103.82	100.17	103.90	111.95	101.03	112.03	1242.50
Total	372.67	351.45	360.26	273.49	380.68	331.39	352.54	340.14	352.79	380.15	343.04	380.41	4219.01

FY 2024-25
Projected

Beneficiary	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Total
TSSPDCL (70.55%)	280.11	289.45	0.00	149.39	289.45	280.11	289.45	280.11	289.45	289.45	261.44	289.45	2987.88
TSNPDCL (29.45%)	116.93	120.83	0.00	62.36	120.83	116.93	120.83	116.93	120.83	120.83	109.13	120.83	1247.24
Total	397.04	410.28	0.00	211.75	410.28	397.04	410.28	397.04	410.28	410.28	370.57	410.28	4235.12

FY 2025-26
Projected

Beneficiary	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Total
TSSPDCL (70.55%)	245.46	253.64	245.46	253.64	253.64	245.46	253.64	245.46	253.64	253.64	229.10	253.64	2986.42
TSNPDCL (29.45%)	102.46	105.88	102.46	105.88	105.88	102.46	105.88	102.46	105.88	105.88	95.63	105.88	1246.63
Total	347.92	359.52	347.92	359.52	359.52	347.92	359.52	347.92	359.52	359.52	324.73	359.52	4233.05

FY 2026-27

Projected

Beneficiary	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Total
TSSPDCL (70.55%)	259.90	268.56	86.64	268.56	268.56	259.90	268.56	259.90	268.56	268.56	242.57	268.56	2988.84
TSNPDCL (29.45%)	108.49	112.11	36.16	112.11	112.11	108.49	112.11	108.49	112.11	112.11	101.28	112.11	1247.65
Total	368.39	380.67	122.80	380.67	380.67	368.39	380.67	368.39	380.67	380.67	343.83	380.67	4236.49

FY 2027-28

Projected

Beneficiary	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Total
TSSPDCL (70.55%)	245.46	253.64	245.46	253.64	253.64	245.46	253.64	245.46	253.64	253.64	237.27	253.64	2994.59
TSNPDCL (29.45%)	102.46	105.88	102.46	105.88	105.88	102.46	105.88	102.46	105.88	105.88	99.05	105.88	1250.05
Total	347.92	359.52	347.92	359.52	359.52	347.92	359.52	347.92	359.52	359.52	336.32	359.52	4244.64

FY 2028-29

Projected

Beneficiary	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Total
TSSPDCL (70.55%)	259.90	268.56	170.07	181.93	268.56	259.90	268.56	259.90	268.56	268.56	242.57	268.56	2985.64
TSNPDCL (29.45%)	108.49	112.11	70.99	75.94	112.11	108.49	112.11	108.49	112.11	112.11	101.26	112.11	1246.31
Total	368.39	380.67	241.06	257.87	380.67	368.39	380.67	368.39	380.67	380.67	343.83	380.67	4231.95

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Form 16: Revenue Reconciliation

Previous Year (n-1) FY 2022-23

Audited

S. No.	Particulars	Units	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Total
1	Normative Availability (%)	%	80.00	80.00	80.00	80.00	80.00	80.00	80.00	80.00	80.00	80.00	80.00	80.00	80.00
2	Availability during the month (%)	%	87.48	71.74	0.00	21.55	84.86	91.96	89.74	92.87	93.44	98.92	90.14	98.78	82.26
3	Cumulative Availability (%)	%	87.48	79.48	53.28	45.22	53.25	59.59	63.96	67.52	71.00	73.83	75.20	77.20	
4	Target PLF for Incentive	%	80.00	80.00	80.00	80.00	80.00	80.00	80.00	80.00	80.00	80.00	80.00	80.00	80.00
5	Actual PLF during the month (%)	%	82.84	68.74	0.00	19.35	78.89	83.24	77.39	87.94	90.99	93.69	88.57	96.20	
6	Cumulative PLF (%)	%	82.84	75.67	50.73	72.75	50.08	56.51	58.68	62.28	65.52	68.37	70.06	72.28	
7	Gross Generation (MU)	MU	341.41	415.51	399.87	388.16	313.57	375.74	379.09	241.12	393.41	371.14	380.54	404.55	4404.10
8	Auxiliary Consumption (MU)	MU	15.70	16.48	22.43	20.85	19.44	20.51	21.22	16.32	21.31	20.73	20.16	22.41	237.56
9	Net Generation (MU)	MU	325.71	399.04	377.44	367.31	294.13	355.22	357.87	224.80	372.10	350.41	360.38	382.14	4166.55
10	Generation above target PLF (MU)	MU	-19.89	41.92	31.84	10.19	-62.99	9.62	0.75	-120.80	14.98	-6.71	37.82	25.02	-38.26
11	Variable Charges Per Unit	Rs./kWh	2.925	2.925	2.925	2.925	2.925	2.925	2.925	2.925	2.925	2.925	2.925	2.925	2.868
12	Approved Fixed Charges	Rs. Crore	60.01	60.01	60.01	60.01	60.01	60.01	60.01	60.01	60.01	60.01	60.01	60.01	720.11
13	Fuel Surcharge	Rs./kWh	3.263	3.179	3.281	3.356	3.523	3.398	3.438	3.605	3.602	3.541	3.494	3.493	3.628
14	Fixed Charges During Month	Rs. Crore	60.01	60.01	60.01	60.01	60.01	60.01	60.01	60.01	60.01	60.01	60.01	60.01	720.11
15	Energy Charges Amount	Rs. Crore	95.27	116.72	110.40	107.44	86.03	103.90	104.68	65.75	108.84	102.50	105.41	111.78	1218.71
16	Amount of Fuel Surcharge Adjustment	Rs. Crore	11.01	10.15	13.42	15.84	17.58	16.71	18.36	15.29	25.20	21.59	20.50	21.69	207.36
17	Incentive Amount	Rs. Crore													13.77
18	Revenue from sale of electricity	Rs. Crore	166.29	186.88	183.84	183.28	163.62	130.63	183.05	141.06	194.05	194.09	185.92	193.48	2159.95
19	Other recoveries/adjustments														
	Fuel (savings)/charge year end adjustment														-74.20
	Difference bill issued after MTR order														45.23
	Water Charges	Rs. Crore													1.79
20	Total Revenue	Rs. Crore	166.29	186.88	183.84	183.28	163.62	180.63	183.05	141.06	194.05	184.09	185.92	193.48	2132.76
21	Total Revenue as per Audited Accounts	Rs. Crore													

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BTPS
Tariff Filing Formats - Generation
Checklist

S. No.	Form	Title	Tick
1	Form 1	Summary Sheet	✓
2	Form 2	Operation and Maintenance Expenses	✓
3	Form 2.1	Employee Expenses	✓
4	Form 2.2	Administration & General Expenses	✓
5	Form 2.3	Repair & Maintenance Expenses	✓
6	Form 3	Summary of Capital Expenditure and Capitalisation	✓
7	Form 3.1	Statement of Additional Capitalisation after COD	✓
8	Form 3.2	Financing of Additional Capitalisation	✓
9	Form 4	Fixed Assets & Depreciation	✓
10	Form 5	Interest and finance charges on loan	✓
11	Form 6	Interest on working capital	✓
12	Form 7	Return on Equity	✓
13	Form 8	Non-Tariff Income	✓
14	Form 9	Planned & Forced Outages	
15	Form 10	Operational parameters	✓
16	Form 11	Fuel Details for computation of Energy Charge Rate	✓
17	Form 12	Energy Charge Rate	✓
18	Form 13	Sales	✓
19	Form 14	Revenue from Sale of Electricity	
20	Form 15	Revenue Reconciliation	✓
21	Form 16	Summary of true-up	
		Capital Cost Approval*	
22	Form 17	Plant Characteristics (Thermal)	
23	Form 18	Plant Characteristics (Hydel)	
24	Form 19.1	Project Schedule	
25	Form 19.2	Abstract of Capital Cost	
26	Form 19.3	Breakup of Capital Cost	
27	Form 19.4	Breakup of Construction/Supply/Services/Packages	
28	Form 19.5	Financial Package	
29	Form 19.6	Details of Loans	
30	Form 19.7	Phasing of Expenditure, Debt and Equity upto COD	
31	Form 19.8	Interest During Construction and Finance Charges upto COD	

Note: * Applicable only for new Generating Station/Unit for which Provisional/Final tariff approval is being sought

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Form 1: Summary Sheet

S. No.	Particulars	Units	Reference	FY 2022-23		FY 2023-24		Control Period					Remarks
				MYT/Tariff Order	True-Up requirement	MYT/Tariff Order	April - March	FY 2024-25	FY 2025-26	FY 2026-27	FY 2027-28	FY 2028-29	
				Approved	Audited	Approved	Estimated	Projected	Projected	Projected	Projected	Projected	
A	Annual Fixed Charges												
1	Operation & Maintenance Expenses	Rs. Crore	Form 2	189.56	392.86	189.55	439.46	442.02	473.92	506.22	531.29	557.81	
2	Depreciation	Rs. Crore	Form 4	329.05	360.88	300.23	371.85	242.05	296.28	347.74	347.74	347.74	
3	Interest and finance charges on loan	Rs. Crore	Form 5	390.79	442.58	420.94	434.59	458.47	522.75	532.95	496.85	461.20	
4	Interest on Working Capital	Rs. Crore	Form 6	63.34	86.31	66.11	100.23	77.12	82.55	86.86	87.74	88.71	
5	Return on Equity	Rs. Crore	Form 7	405.16	441.36	463.05	458.86	503.83	582.32	619.63	619.63	619.63	
6	Less: Non-Tariff Income	Rs. Crore	Form 8		4.50		10.17	11.62	12.09	12.57	13.07	13.60	
7	Annual Fixed Charges	Rs. Crore	Form 8	1357.30	1719.19	1419.88	1792.83	1711.88	1945.75	2080.62	2070.18	2061.50	
B	Energy Charges												
1	Energy Charge Rate	Rs./kWh	Form 12	3.11	3.68	3.31	3.52	3.34	3.40	3.47	3.54	3.61	
2	Scheduled Energy (ex-bus)	MU	Form 10	8633.13	5633.13	6325.39	6325.39	7581.10	7161.10	7366.26	7181.50	7161.10	
3	Energy Charges	Rs. Crore		1752.13	2071.72	2094.51	2287.69	2456.84	2505.88	2557.89	2614.45	2659.37	
C	AFC *Energy Charges	Rs. Crore		3109.43	3790.91	3514.39	4080.52	4166.72	4451.73	4638.51	4684.62	4720.86	

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Form 2: Operation and Maintenance Expenses

A. For Existing Generating Stations

S. No.	Particulars	Reference	FY 2022-23			FY 2023-24		Control Period						(Rs. Crore)
			MYT/Tariff Order	Apr-Mar	True-Up requirement	MYT/Tariff Order	Apr - Mar	FY 2024-25	FY 2025-26	FY 2026-27	FY 2027-28	FY 2028-29		
			Approved	Audited	Claimed	Approved	Estimated	Projected	Projected	Projected	Projected	Projected		
1	Employee Expenses	Form 2.1	142.814	346.38	346.38	151.38	360.23	373.80	395.48	418.41	442.68	468.36	Projected	
2	A&G Expenses	Form 2.2	11.42	12.11	12.11	12.1	16.43	14.97	15.70	16.47	17.28	18.13	Projected	
3	R & M Expenses	Form 2.3	7.34	34.07	34.07	7.76	62.79	53.26	62.74	71.33	71.33	71.33	Projected	
4	Total O&M Expenses		159.96	392.56	392.56	169.55	439.46	442.02	473.92	506.22	531.29	557.81	Projected	

Note:

1 The projections for the Control Period to be supported by detailed computations

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Form 2.1: Employee Expenses

S.No.	Particulars	FY 2019-20	FY 2020-21	FY 2021-22	FY 2022-23	FY 2023-24	Control Period					(Rs. Crore)
		Apr-Mar Audited	Apr-Mar Audited	Apr-Mar Audited	Apr-Mar Audited	Apr - Mar Estimated	FY 2024-25 Projected	FY 2025-26 Projected	FY 2026-27 Projected	FY 2027-28 Projected		
1	Basic Salary				178.42	170.09						
2	Dearness Allowance (DA)				8.85	15.07						
3	House Rent Allowance				15.85	15.83						
4	Conveyance Allowance				0.98	0.99						
5	Leave Travel Allowance				0.00	0.00						
6	Earned Leave Encashment				41.58	35.15						
7	Other Allowances				32.04	31.13						
8	Medical Reimbursement				6.23	1.87						
9	Overtime Payment				0.00	-						
10	Bonus/Ex-Gratia Payments				0.00	-						
11	Interim Relief / Wage Revision				0.00	0.01						
12	Staff welfare expenses				4.56	4.10						
13	VRS Expenses/Retrenchment Compensation				0.00	-						
14	Commission to Directors				0.00	-						
15	Training Expenses				0.00	-						
16	Payment under Workmen's Compensation Act				0.00	-						
17	Net Employee Costs				288.51	274.23						
18	Terminal Benefits				0.00	-						
18.1	Provident Fund Contribution				14.98	15.36						
18.2	Provision for PF Fund				0.00	-						
18.3	Pension Payments				0.00	-						
18.4	Gratuity Payment				42.89	70.64						
19	Unfunded past liabilities of pension & gratuity				0.00	-						
20	Others				0.00	-						
21	Gross Employee Expenses		0.00	0.00	345.38	360.23	373.80	395.48	418.41	442.68	468.36	
22	Less: Expenses Capitalised				0.00	0.00						
23	Net Employee Expenses	0.00	85.68	134.73	346.38	360.23	373.80	395.48	418.41	442.68	468.36	

Form 2.2 : Administration & General Expenses

S. No.	Particulars	FY 2019-20		FY 2020-21		FY 2021-22		FY 2022-23		Apr - Mar		FY 2024-25		FY 2025-26		FY 2026-27		(Rs. Crore)	
		Apr-Mar Audited		Apr-Mar Audited		Apr-Mar Audited		Apr-Mar Audited		Estimated		Projected		Projected		Projected		Projected	
1	Rent Rates & Taxes	0.00		0.63		0.84		0.31		0.49									
2	Insurance	0.00		0.97		3.12		4.36		5.18									
3	Telephone & Postage, etc.	0.00		0.06		0.11		0.28		0.29									
4	Legal charges & Audit fee	0.00		0.21		0.17		0.28		0.19									
5	Professional Consultancy, Technical fee	0.00		0.03		0.11		0.11		0.03									
6	Conveyance & Travel	0.00		0.04		0.05		0.14		0.12									
7	Electricity charges	0.00		2.22		4.10		1.77		0.32									
8	Water charges	0.00		0.02		0.01		0.00		0.00									
9	Security arrangements	0.00		0.43		1.21		1.18		4.86									
10	Fees & subscription	0.00		0.28		0.05		0.04		0.04									
11	Books & periodicals	0.00		0.00		0.00		0.00		0.00									
12	Computer Stationery	0.00		0.00		0.00		0.00		0.00									
13	Printing & Stationery	0.00		0.00		0.00		0.00		-									
14	Advertisements	0.00		0.09		0.03		0.15		0.05									
15	Purchase Related Advertisement Expenses	0.00		0.06		0.17		0.04		0.14									
16	Contributions/Donations	0.00		0.00		0.00		0.00		-									
17	License Fee and other related fee	0.00		0.00		0.00		0.00		-									
18	Vehicle Running Expenses Truck / Delivery Van	0.00		0.00		0.03		0.11		0.38									
19	Vehicle Hiring Expenses Truck / Delivery Van	0.00		0.76		2.00		2.49		1.57									
20	Cost of services procured	0.00		0.00		0.00		0.00		-									
21	Outsourcing of metering and billing system	0.00		0.00		0.00		0.00		-									
22	Freight On Capital Equipments	0.00		0.00		0.00		0.15		0.07									
23	IV-sat. internet and related charges	0.00		0.00		0.00		0.00		-									
24	Training	0.00		0.02		0.10		0.05		0.09									
25	Bank Charges	0.00		0.00		0.00		0.00		-									
26	Miscellaneous Expenses	0.00		0.00		0.00		0.00		-									
27	Office Expenses	0.00		0.00		0.00		0.00		-									
28	Others	0.00		0.01		0.06		0.03		-									
29	Gross A & G Expenses	-0.00		6.35		12.78		12.11		2.67		14.97		15.70		16.47		18.13	
30	Less: Expenses Capitalised	0.00		0.00		0.00		0.00		0.00		14.97		15.70		16.47		18.13	
31	Net A & G Expenses	0.00		6.35		12.78		12.11		18.43		14.97		15.70		16.47		18.13	

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Form 2.3: Repair & Maintenance Expenses

S. No.	Particulars	FY 2019-20		FY 2020-21		FY 2021-22		FY 2022-23		FY 2023-24		Control Period				FY 2028-29	
		Apr-Mar Audited		Apr-Mar Audited		Apr-Mar Audited		Apr-Mar Audited		Apr-Mar Estimated		FY 2024-25 Projected	FY 2025-26 Projected	FY 2026-27 Projected	FY 2027-28 Projected	FY 2028-29 Projected	
1	Plant & Machinery																
2	Buildings																
3	Civil Works																
4	Hydraulic Works																
5	Lines & Cable Networks																
6	Vehicles																
7	Furniture & Fixtures																
8	Office Equipment																
9	Gross R&M Expenses	0.00		0.00		0.00		0.00		0.00		53.26	62.74	71.33	71.33	71.33	
												53.26	62.74	71.33	71.33	71.33	
10	Gross Fixed Assets at beginning of year			4871.17		4871.17		6946.29		7259.12		7445.28	8770.93	9971.58	9971.58	9971.58	
11	R&M Expenses as % of GFA at beginning of year	0.00%		0.06%		0.45%		0.49%		0.87%		0.72%	0.72%	0.72%	0.72%	0.72%	

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Form 3: Summary of Capital Expenditure and Capitalisation

S. No.	Particulars	FY 2022-23			FY 2023-24		Control Period						(Rs. Crore)
		MYT/Tariff Order	Apr-Mar	True-Up requirement	MYT/Tariff Order	Apr - Mar	FY 2024-25		FY 2025-26		FY 2026-27		
		Approved	Audited	Claimed	Approved	Estimated	Projected	Projected	Projected	Projected	Projected	Projected	
1	Opening Capital Works in Progress		223.65	223.65		345.06	Projected	593.21	Projected	665.86	Projected	0.00	Projected
2	Capital Expenditure during the year		434.24	434.24		434.32	Projected	1398.29	Projected	534.79	Projected	0.00	Projected
3	Capitalisation during the year		312.83	312.83		186.16	Projected	1325.64	Projected	1200.65	Projected	0.00	Projected
4	Closing Capital Works in Progress	0.00	345.06	345.06	0.00	593.21	Projected	655.86	Projected	0.00	Projected	0.00	Projected

Form 3.1: Statement of Additional Capitalisation after COD
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B. No.	FY	Name of the package (BTP, BOP, Civil Works, etc.)	Name of the work	Total estimated cost* (Rs. Crores)	Capital expenditure during the year (Rs. Crores)	Capitalisation during the year (Rs. Crores)	Asset group under which the capitalisation has been accounted (Land, Buildings, etc.)	Scope of work	Relevant Clause of the TSEPC WTT Regulation, 2003 under which the capitalisation has been claimed	Justification
1	Year (n-1)	Year (2022-23)								
1			LAND		32.87	32.01	LAND			
2			UNES & CABLES		9.15	9.15	UNES & CABLES			
3			PLANT & MACHINERY		15.83	15.83	15.83 PLANT & MACHINERY			
4			CAPITAL SPARES		25.96	25.96	25.96 CAPITAL SPARES			
5			VEHICLES		0.22	0.22	0.22 VEHICLES			
6			FURNITURE		0.31	0.31	0.31 FURNITURE			
7			OFFICE EQUIPMENT		0.01	0.01	0.01 OFFICE EQUIPMENT			
8			OTHER CIVIL WORKS		7.11	7.11	0.34 OTHER CIVIL WORKS			
9			POWER HOUSE BUILDING		218.87	218.87	159.24 PLANT AND MACHINERY			
10			CWIP PLANT AND MACHINERY		0.00	0.00	5.30 HYDRAULIC WORKS			
11			CWIP PLANT AND MACHINERY		0.00	0.00	0.76 PLANT AND MACHINERY			
12			CWIP UNES AND CABLE NETWORK		0.76	0.76	4.23 OTHER CIVIL WORKS			
13			CWIP UNES AND CABLE NETWORK		0.15	0.15	0.56 PLANT AND MACHINERY			
14			CWIP OTHER CIVIL WORKS		34.31	34.31	0.00 PROVISIONS			
15			CWIP CAPITAL WORK IN PROGRESS - OTHERS		54.22	54.22				
16			CWIP PROVISIONS							
17			Total	0.00	414.24	414.24				
18	CURRENT YEAR n	2023-24								
17			CWIP BUILDINGS		13.22					
18			PLANT AND MACHINERY		98.81					
19			UNES AND CABLE NETWORK		0					
20			OTHER CIVIL WORKS		24.72					
21			FIXED ASSETS & CAPITAL SPARES		0.26					
22			WORK IN PROGRESS - OTHERS		22.71					
23			CWIP PROVISIONS		4.67					
24			OTHER CIVIL WORKS		143.27					
25			Actual		289.05	186.16				
26			Estimated							
27			Total	8.00	431.32	186.16				
28	Year (n+1)	2024-25								
29			40% MTL Flexibilization for 3 years							
30			40% MTL Flexibilization for 3 years							
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176			40% MTL Flexibilization for 3 years							

Form 3.1- BTPS

S. No.	W.B.S Element	Name of the work	Asst. Administrative approval (Rev.04)	Capital expenditure incurred upto 31.03.2022 (Rs. Crore)	Capital expenditure during the year 2022-23 (Rs. Crore upto 31.03.2023)	Expenditure incurred from 01.04.2023 to 31.03.2024 during the year 2023-24 (Rs. Crore)	Balance amount available as 31.03.2024 (Rs. Crore)	Probable expenditure to be incurred from 25.01.2024 to 31.03.2024 (Rs. Crore)	Capital expenditure during the year 2023-24 (Rs. Crore)	Capital expenditure during the year 2024-25 (Rs. Crore)	Capitalisation during the year (Rs. Crore)	Asset group under which the capitalisation has been accounted (Land, Buildings etc.)	Scope of work	Relevant Clause of the 1987C MYT Regulation, 2023 under which the capitalisation has been claimed	Justification
1	T-0011.01	Main EPC Supply	3326.6	3006.87	76.93	57.27	136.53	10	136.53						
2	T-0011.02	Main EPC Erection & Commissioning Contract	551.03	396.86	20.27	5.29	130.41	15	135.41						
3	T-0011.02	Main EPC Civil Contract	1512.36	1293.73	20.55	16.65	174.25	30	146.15						
4	T-0011.11	Back charge to BHEL	54.45	13.76	0.37	2.33	17.69	5	12.94						
5	Supply contract CT&CVT	Design, Engineering, Manufacture, Supply of all material, Labour, Erection & Erection of complete Civil Structural Architectural works and miscellaneous works for the complete civil (Erection & Commissioning) of a 4x270 MW BTPS													
6	T-0011.11	Back charge	12.50	10.9	0.49	0	1.19	0.17							
7	Supply contract CT&CVT	Design, Engineering, Manufacture, Supply of all material, Labour, Erection & Erection of complete Civil Structural Architectural works and miscellaneous works for the complete civil (Erection & Commissioning) of a 4x270 MW BTPS													
8	Supply contract FGD System	Design, Engineering, Manufacture, Supply, transportation to site, installation of FGD System													

[illegible]

New Conveying System and Construction of Space frame structure raw coal storage shed at BTPS

The following work was not included in the original Administrative approval. It is proposed that the budget required for the subject work will be met from Non EPC (E&M) and Non- EPC Civil works by re- appropriating within the capital cost of the BTPS project. The proposed budget is covered in final capital cost approved in MTR. The re-appropriating budget details of Non EPC E&M and Non EPC Civil works are enclosed as annexure- 1.

S.No	Description of work	Amount in crores (including all taxes)
1.	New conveying system for diversion of raw coal from the existing crusher house to stock the raw coal near chain conveyors area and construction of Space frame structure raw coal storage shed at BTPS (4X270MW)project	141.33 Crs.

Further, the provisional Capital Cost Approved in Generation Tariff Order (GTO) is Rs. 8691.43 Crs against the revised administrative approval Rs.10515.84 Crs and final capital cost approved in MTR is Rs.8817.97 Crs. The budget for the above proposed subject work is within the capital cost of the revised administrative approval Rev-04.

Annexure-1

Non EPC (E&M).

S.No	Description	Revised cost as per Administrative Approval (Rs in Cr)	Remarks
1	Common works E&M other than BHEL	138.76	
	Re appropriated to FGD system towards BFP transformer rating changed	6.24	
	Total	145	
	Break up for Non EPC (E&M) works.		
	i. Railway marshalling yard	70	This amount will utilized for proposed raw coal storage shed because railway marshalling yard works are included in the Non-EPC Civil works (inclusive of Civil, E&M works)
	ii. cost of start up power / construction power	10	
	iii. Raw water intake pipeline , booster pump etc.,	15	
	iv. Spares procurement additional	50	

*** An amount of Rs.70 Cr from the budget allocated for Railway marshalling yard against **Non EPC (E&M)** will be utilized for the subject work.

Non EPC (Civil works).

S.No	Description	Revised cost as per Administrative Approval (Rs in Cr)	Remarks
1	Common works Civil other than BHEL	1596.57	
	Break up for Non EPC (Civil) works		
	Common works Civil other than BHEL	1441.57	Rs.71.33 Crs will be utilized for proposed raw coal storage shed
	CSR	30 .00	
	Land	125.00	
	Total	1596.57	

*** An amount of **Rs 71.33 crores** (incl. GST) from **Non-EPC Civil works** (details are as mentioned below)

1)	Flood bank along River Godavari (T-0011.04.04)	Rs. 39.0 Cr
2)	Civil Miscellaneous works (T-0011.04.01)	Rs. 20.0 Cr
3)	Development of Green belt (T-0011.04.06)	Rs .05.0 Cr
4)	Compound wall (T-0011.04.03)	Rs .02.0 Cr
5)	Labour Cess	Rs .03.0 Cr
6)	Freight & Insurance	Rs . 2.33 Cr

Total = Rs 71.33 Cr

Hence it is proposed Rs.70Crs from Non EPC E&M and Rs .71.33 Crs from Non EPC Civil will be met for the subject work (i.e 70+71.33 =141.33crs) by re-appropriating.

ANNEXURE-2

Bhadradri Thermal Power Station consists of four units with each unit capacity of 270MW and the total capacity of the plant is 1080 MW and all the units are in operation. Coal feeding to all the four units envisaged through main streams of two numbers of wagon tippler.

As the works of Railway track are not completed, presently coal is being fed to the unit bunkers through contingency arrangement of Wagon Tippler grid by unloading the coal received by trucks. At present to meet the coal requirement for all the four units, a contingency arrangement consisting of two numbers Chain conveyors of capacity 600T also is being proposed and is erected & commissioned,. Presently they are in service.

As BTPS site/Manuguru area is prone to heavy rain fall. During the monsoon season, wet coal is being transported from Manuguru open cast mines to BTPS site and also there is no sufficient supply of coal from SCCL during the rainy season. As there is no raw coal storage yard with covered shed, wet coal is fed to bunkers through apron feeders which is leading to crusher jams, chute jams, belt snapping and other equipment damages leading to frequent interruptions in coal feeding for the unit bunkers and causing generation loss.

As there is no raw coal storage yard envisaged in original DPR it is necessitated to divert the raw coal before crusher house and to store this raw coal in raw coal storage yard with shed near chain conveyors area with storage capacity of approximately 1.0 lakh MT (1.5MT-Chain Conveyor area= 1.0 lakh MT)

Meanwhile, vide letter Dt:30.12.2022 the Chief Engineer/ Generation/ TSGENCO/ VS/Hyd stated that " there is no stock yard for storing raw coal at BTPS and it is necessary to have a raw coal storage yard to stock the coal during the Unit shutdowns and in case of more receipts of coal from lorries/racks. In the monsoon many problems are arises during the coal feeding to the Unit bunkers as the coal receipts from the mines is wet and slurry. Due to this, it is very

essential to have a raw coal shed for coal storage to avoid the problems in coal feeding to some extent in the rainy season”.

Generation Loss & Oil consumption due to wet coal for the FY 2021-22, FY 2022-23 & FY 2023-24 as given by Chief Engineer/BTPS vide Lr dt:24.01.2024.

Sl.No.	Particulars		<u>2021-22</u> (During rainy season From Jun-21 to Sep-21) (For Unit-1,2&3 only)	<u>2022-23</u> (During rainy season From Jun-22 to Sep-22) (For Unit-1, 2, 3 & 4)	<u>2023-24</u> (During rainy season from Jun-23 to Sep-23) (For Unit-1, 2, 3 & 4)	Total
1	Generation loss due to wet coal in MU		445	826.38	724.25	1995.63
2	Oil consumption due to wet coal in KL	HFO	4693	15287	904	20884
		LDO	506	1160	270	1936

In view of the above, it is proposed to divert the raw coal before the existing crusher house and to stock near Chain Conveyors area 1 & 2 to feed raw coal as and when required without hampering generation due to shortage of coal. In the original DPR, there was no provision for Raw coal storage yard with storage shed.

Flexibilisation of Thermal Power Plants:

The GOI has set up a huge target of establishing a 500 GW of Renewable Energy(RE) by 2030. The penetration of RE necessitates the flexible operation of thermal power plants.

In this regard, CEA (Central Electricity Authority) vide Regulations dt:30.01.2023 has mandate the achievement of 55% Technical Minimum Limit(TML) by Jan'2024. Accordingly all TSGENCO thermal units have achieved 55% TML except KTPS-V stage units 9 & 10 (2X250 MW) in view of the Ball tube mills.

Further, CEA vide regulations dt.15.12.2023 has issued a phasing plan to achieve 40% TML. The phasing plan has been divided into four phases and details of the phasing plan of TSGENCO units is as follows:

Name of the Project	Unit No.	Capacity (MW)	Date of Commissioning	Phase	Period for completion
BTPS	4	270	09/01/2022	Phase-I	Nov' 2024
BTPS	3	270	26/03/2021		Feb' 2025
BTPS	2	270	07/12/2020		Mar' 2025
BTPS	1	270	05/06/2020		Jul' 2025
KTPS-VII	12	800	26/12/2018		Nov' 2025
KTPP-II	2	600	31/12/2015	Phase-II	Aug'2026
KTPS-VI	11	500	26/6/2011	Phase-III	Aug'2028
KTPP-I	1	500	27/5/2010		Mar'2029
KTPS-V	10	250	28/02/1998	Phase-IV	Nov'2030

In this regard, as per the Report of Task Force Committee setup by MoP, GOI dt:27.10.2017 and CEA in its letter dt:26.03.2023, it was informed that the concerned utilities shall take the measures for implementation of 40% TML duly involving the OEMs if required.

Accordingly, as part of implementation of flexible operations, TSGENCO has approached M/s BHEL (being OEM) for suggesting Retrofitting measures to comply with 40% TML. M/s BHEL has submitted Techno commercial offer separately for each unit of BTPS(4x270 MW) and

KTPP for an estimated amount of Rs.11,57,45,300/- (Rupees Eleven Crores Fifty Seven Lakhs Forty Five Thousand and Three Hundred Only).

Hence, as per the offer submitted by M/s.BHEL, the expenditure to be incurred for retrofitting/upgradation works to be carried out in TSGENCO thermal stations for the next five Financial Years with regard to implementation of Flexibilisation Regulations (40% TML) is approximately RS.92.60 Crores(Excluding taxes) and details are tabulated below:

Sl.NO	Station name	FY	Amount in Rs. (Excl taxes)
1	BTPS(Units-2,3,4)	2024-25	34,72,35,900.00
2	BTPS(Unit-1)	2025-26	11,57,45,300.00
3	KTPS-VII	2025-26	11,57,45,300.00
4	KTPP-II	2026-27	11,57,45,300.00
5	Nil	2027-28	Nil
6	KTPS-VI	2028-29	11,57,45,300.00
7	KTPP-I	2028-29	11,57,45,300.00

IT INITIATIVES

The New Automation and IT initiatives proposed to be carried out during the next Control Period.

1. **Upgrading the ERP SAP software from ECC to S4 HANA:** The End of Support for the ECC system has been declared by 2027 and support to the connected data base i.e Oracle has already been expired in July' 2022. As such upgrading the ERP system and connected data base is essential to ensure Business continuity. The proposal is under circulation for the Board of Directors of TSGENCO.
2. The Servers and associated equipment's were procured ten years back and frequent troubles and failures are being experienced due to ageing of the equipment. As such, it is proposed to upgrade the Hardware i.e. Servers and Storage equipment suitable for the propose software upgrade.
3. Further, establishment of back up servers and storage equipment i.e DR (Disaster Recovery) with minimum hardware configuration is essential as backup in case of failure of DC (Data Center), to ensure business continuity and to avoid data loss.
4. The following are the proposed improvements in plant performance monitoring aspects so as to achieve internal efficiency and to meet regulatory requirements.
 - a. Automation of Capture of tentative running costs of thermal generating units on daily basis.
 - b. 25 point dash board for generation parameters of all thermal units.
 - c. Installation of IP cameras at all thermal plants in line pollution control Board guidelines.
5. The following It initiatives are also envisaged in the HR aspect of Organization functioning
 - a. Automation of Annual Appraisal reports.

- b. Automation of Leave sanction and Accounting process.
 - c. automation of various loans and Advances sanction and accounting process.
6. In the Finance module in ERP, payment gateway integration to Banks Aging Reports and development financial reports in S/4 HANA will be developed.
 7. In MM Module in ERP, new development of MDG implementation for materials, customers and suppliers.

The Approximate expenditure for Item No. (1) to (3), (6) and (7) will be Rs. 30 Crore. The expenditure for Item No. (4) will be met from R&M expenditure of respective plants and Item (5) will be an In-house development taken by the ERP team.



TELANGANA POWER GENERATION CORPORATION LIMITED
(A Govt. of Telangana State Undertaking)
BHADRADRI THERMAL POWER STATION (4 X 270 MW)

From,
The Chief Engineer
Construction,
B.T.P.S - MANUGURU,
Bhadradi Kothagudem (Dist.)

To
The Chief Engineer
COAL & COMMERCIAL, TGGENCO
Vidyut Soudha,
Hyderabad-500 082.

Lr.No.CE/Const/E&P/ BTPS/F.48/D.No 92/2024, dt. 30 -07-2024

Sir,

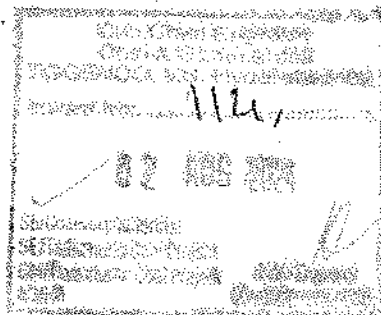
Sub:- TSGENCO-BTPS-Auxiliary Power consumption enhanced due to Boiler&ESP modifications for FGD and SCR & compensation for 55% load operation-petition to be filed with TSERC -Requested -reg.

- Ref: 1) LOI No.ED/CE/TPC/SEIV/EME0/BTPS(4x270MW)/New Norms/D.No.127/18,Dt.12.06.2018
2) Contract No.300000014 with M/s.BHEL(4x270MW Units)
3) Amendment #1 to Contract No.300000014
4) Contract No.300000020 with M/s.BHEL(FGD&SCR)
5) TSERC Gazette Regulation No.1 of 2019
6) TSERC MYT Regulation No.2 of 2023
7) Lr.No.CE/Const/E&P/ BTPS/F.AuxConsumption/D.No179/2024, dt. 16 -02-2024
8) Lr.No.CE/Const/E&P/ BTPS/F.AuxConsumption/D.No15/2024, dt. 30 -04-2024

It is to inform the following with respect to auxiliary power consumption & 55%load operation at 4X270MW units at Bhadradi thermal power station.

I. Auxiliary Power Consumption:

- 1) Vide contract in ref(2)with M/s.BHEL, the percentage auxiliary consumption(Design) is 8.5% for 4x270MW BTPS units and was approved by the TSERC.
- 2) Subsequently, due to enforcement of new MOEF norm, the contract with M/s.BHEL was amended vide ref(3)to include modifications to Boiler & ESP and percentage auxiliary consumption(Design) due to new equipment is revised to 8.792%.
- 3) Further vide ref(4), contract was made with M/s.BHEL for Erection,Testing & Commissioning of FGD & SCR , in which the percentage auxiliary consumption(Design) is 10.49% with FGD&SCR in service.



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For the FY 2022-23 and FY 2023-24 the station auxiliary consumption (operating) was 9.3% and 9% respectively which is close to 8.792% as given in (2) above. In this regard, it is noted that the MYT regulation No.2 of 2023 S.No.44.7, has mention for operating of thermal power station with FGD&SCR. While erection of the same is under progress at BTPS, the main plant equipment with additional size enhancement (viz. increase in ID fan size) for FGD&SCR were already kept under operation since units commissioning and also additional ESPs are kept in service since commissioning of all units. Therefore, it is requested to file a petition with TSERC for allowing auxiliary consumption of 8.792% for the years in operation from COD of units until FGD&SCR are commissioned.

II. Compensation for 55% Technical Minimum Load operation.

With effect from 1.04.2024, the TSLDC have begun instructions for backdown to 55% (Technical minimum load) and BTPS units are operating at 55% TML. However, operating at below design minimum level of the units leads to higher net heat rate (poorer) and effecting the cost. Apart from heat rate, it is observed from 55% load operations that there is increase in auxiliary consumption, increase in SH & RH spray, increase in exhaust gas temperature and oxygen levels which are deterrent to optimal operation of units. There is increase in production cost, life consumption of equipment and unable to meet environment norms.

In this regard, CEA have cited in its report "Flexibilisation of coal fired power plants" that the increase in O&M cost is approx 9% if operated at 50% load which increased the fixed cost. Due to increase in Net Heat Rate, and additional oil consumption for additional forced outage would add up to increase the variable cost as well.

Therefore, it is requested to appeal to TSERC for compensation to BTPS for operating at 55% Technical Minimum load.

Yours sincerely,


Chief Engineer/Construction
BTPS

Copy submitted to

The Divisional Engineer/Technical to CMD/TGGENCO, VS, Hyderabad

The Divisional Engineer/Technical to Director/Thermal, TGGENCO, VS, Hyderabad

The Chief Engineer/Generation, VS, Hyderabad

<TGGENCO>
BTPS

Form 3.2: Financing of Additional Capitalisation

S. No.	Particulars	FY 2022-23	FY 2023-24	Control Period				
		Actual	Apr - Mar Estimated	FY 2024-25 Projected	FY 2025-26 Projected	FY 2026-27 Projected	FY 2027-28 Projected	FY 2028-29 Projected
1	Additional capitalisation	312.83	186.16	1325.64	1200.65	0.00	0.00	0.00
2	Financing Details							
	Loan 1	218.98	130.31	994.23	900.49	0.00	0.00	0.00
	Loan 2							
	...							
	Total Loan	218.98	130.31	994.23	900.49	0.00	0.00	0.00
3	Equity							
4	Internal Resources	93.85	55.85	331.41	300.16	0.00	0.00	0.00
5	Others (Please Specify)							
6	Total (2+3+4+5)	312.83	186.16	1325.64	1200.65	0.00	0.00	0.00

<TGENCO>
<BTPS>

Form 4: Fixed Assets & Depreciation

(Rs. Crore)

FY 2022-23														(Rs. Crores)
S.No.	Asset Group	A/c Code	Rate of Depreciation	Gross fixed Assets			Provisions for depreciation			Net fixed Assets				
				At the beginning of the year	Additions during the year	Adjust. & deductions	At the end of the year	Cumulative upto the beginning of the year	Additions during the year	Adjust. during the year	Cumulative at the end of the year	At the beginning of the year	At the end of the year	
1	Land & Land Rights	1000	0.00%	70.16	52.61	0.00	122.77	0.00	0.00	0.00	70.16	122.77		
2	Buildings	1100	3.34%	626.40	0.89	0.00	627.29	38.19	20.76	0.00	58.96	568.33		
3	Lines and Cable Network	1200	5.28%	649.23	8.15	0.00	656.38	25.75	34.76	0.00	60.51	597.87		
4	Plant & Machinery	1300	5.28%	4775.11	182.59	-8.00	4963.70	278.76	260.38	0.82	538.32	4425.37		
5	Capital Spares	1400	5.28%	0.00	25.96	6.00	19.96	0.00	0.08	-0.82	0.90	19.06		
6	Hydraulic Works	1500	5.28%	810.92	5.90	0.00	816.82	57.10	43.13	0.00	100.23	716.59		
7	Other Civil Works	1600	3.34%	12.78	34.60	0.00	47.38	0.56	1.58	0.00	2.14	45.24		
8	Vehicles	1700	9.50%	0.42	0.22	0.00	0.65	0.02	0.05	0.00	0.07	0.67		
9	Furniture& Fixtures	1800	6.33%	0.28	0.91	0.00	1.18	0.16	0.01	0.00	0.17	1.02		
10	Computers	1900	15.00%	0.73	0.00	0.00	0.73	0.14	0.10	0.00	0.25	0.48		
11	Office Equipment	2100	6.33%	0.27	0.01	0.00	0.28	0.10	0.02	0.00	0.12	0.16		
	Intangible assets	0	0.00%	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
	Total		5.08%	6946.29	312.83	0.00	7259.12	400.78	360.88	0.00	761.66	6497.48		
				6946.29	312.83	0.00	7259.12	400.78	360.88	0.00	761.66	6497.48		
FY 2023-24														
S.No.	Asset Group	A/c Code	Rate of Depreciation	Gross fixed Assets			Provisions for depreciation			Net fixed Assets				
				At the beginning of the year	Additions during the year	Adjust. & deductions	At the end of the year	Cumulative upto the beginning of the year	Additions during the year	Adjust. during the year	Cumulative at the end of the year	At the beginning of the year	At the end of the year	
1	Land & Land Rights	1000	0.00%	122.77	0.00	0.00	122.77	0.00	0.00	0.00	122.77	122.77		
2	Buildings	1100	3.34%	627.29	0.00	0.00	627.29	58.96	20.76	0.00	79.72	567.67		
3	Lines and Cable Network	1200	5.28%	668.38	1.83	0.00	669.21	60.51	34.76	0.00	95.27	564.94		
4	Plant & Machinery	1300	5.28%	4963.70	3.42	0.00	4967.12	538.32	260.38	0.00	798.70	4168.42		
5	Capital Spares	1400	5.28%	19.96	97.42	0.00	117.38	0.90	11.95	0.00	11.95	105.43		
6	Hydraulic Works	1500	5.28%	816.82	0.00	0.00	816.82	100.23	43.13	0.00	143.36	673.46		
7	Other Civil Works	1600	3.34%	47.38	5.55	0.00	52.93	2.14	1.58	0.00	3.73	49.20		
8	Vehicles	1700	9.50%	0.65	77.56	0.00	78.21	0.07	0.05	0.00	0.12	78.08		
9	Furniture& Fixtures	1800	6.33%	1.18	0.00	0.00	1.18	0.17	0.01	0.00	0.18	1.01		
10	Computers	1900	15.00%	0.73	0.06	0.00	0.79	0.25	0.10	0.00	0.35	0.45		
11	Office Equipment	2100	6.33%	0.28	0.22	0.00	0.50	0.12	0.02	0.00	0.14	0.36		
	Total		5.06%	7259.12	186.16	0.00	7445.28	761.66	371.85	0.00	1133.51	6311.77		
				7259.12	186.16	0.00	7445.28	761.66	371.85	0.00	1133.51	6311.77		

FY 2024-25

S.No.	Asset Group	A/c Code	Rate of Depreciation	Gross fixed Assets			Provisions for depreciation			Net fixed Assets	
				At the beginning of the year	Additions during the year	Adjust. & deductions	At the end of the year	Cumulative upto the beginning of the year	Adjust. during the year	Cumulative at the end of the year	At the end of the year
1	Land & Land Rights	1000	0.00%	122.79	0.00		122.79	0.00	0.00	0.00	122.79
2	Buildings	1100	2.88%	627.29	0.00		627.29	78.72	46.80	96.52	530.77
3	Lines & Cables	1200	3.45%	660.21	0.00		660.21	95.27	20.47	115.74	544.47
4	Plant & Machinery	1300	3.45%	4967.12	1320.60		6287.71	798.70	176.57	975.27	5312.44
5	Capital Spares	1400	3.45%	117.38	0.00		117.38	11.95	0.62	12.57	104.81
6	Hydraulic Works	1500	3.45%	816.82	0.00		816.82	143.98	25.39	168.75	648.07
7	Other Civil Works	1600	2.98%	52.93	0.00		52.93	3.73	1.27	5.00	47.93
8	Vehicles	1700	23.67%	78.21	0.00		78.21	0.12	0.14	0.26	77.94
9	Furniture & Fixtures	1800	9.67%	1.18	0.00		1.18	0.18	0.10	0.28	0.90
10	Computers	1900	23.33%	0.79	0.00		0.79	0.35	0.17	0.52	0.28
11	Office Equipment	2100	9.67%	0.50	0.00		0.50	0.14	0.02	0.16	0.34
	Intangible assets	0	20.00%	0.08	5.05		5.14	0.00	0.60	0.50	4.63
	Total		2.95%	7445.28	1325.64	0.00	8770.93	1133.51	242.05	1375.57	7395.36

FY 2025-26

S.No.	Asset Group	A/c Code	Rate of Depreciation	Gross fixed Assets			Provisions for depreciation			Net fixed Assets	
				At the beginning of the year	Additions during the year	Adjust. & deductions	At the end of the year	Cumulative upto the beginning of the year	Additions during the year	Adjust. during the year	At the end of the year
1	Land & Land Rights	1000	0.00%	122.79	0.00		122.79	0.00	0.00	0.00	122.79
2	Buildings	1100	2.88%	627.29	0.00		627.29	96.52	16.80	113.32	513.97
3	Lines & Cables	1200	3.45%	660.21	0.00		660.21	115.74	20.47	136.20	524.01
4	Plant & Machinery	1300	3.45%	6287.71	1200.65		7488.36	975.27	230.30	1205.57	6282.80
5	Capital Spares	1400	3.45%	117.38	0.00		117.38	12.57	0.62	13.19	104.19
6	Hydraulic Works	1500	3.45%	816.82	0.00		816.82	168.75	25.39	194.14	622.68
7	Other Civil Works	1600	2.98%	52.93	0.00		52.93	5.00	1.27	6.26	46.66
8	Vehicles	1700	23.67%	78.21	0.00		78.21	0.26	0.14	0.40	77.81
9	Furniture & Fixtures	1800	9.67%	1.18	0.00		1.18	0.28	0.10	0.39	0.80
10	Computers	1900	23.33%	0.79	0.00		0.79	0.52	0.17	0.69	0.11
11	Office Equipment	2100	9.67%	0.50	0.00		0.50	0.16	0.02	0.18	0.32
	Intangible assets	0	20.00%	0.14	0.00		0.14	0.50	1.01	1.51	3.52
	Total		3.16%	8770.93	1200.65	0.00	9971.58	1375.57	296.28	1671.85	8295.73

FY 2026-27

S.No.	Asset Group	A/c Code	Rate of Depreciation	Gross fixed Assets			Provisions for depreciation			Net fixed Assets	
				At the beginning of the year	Additions during the year	Adjust. & deductions	At the end of the year	Cumulative upto the beginning of the year	Additions during the year	Adjust. during the year	At the end of the year
1	Land & Land Rights	1000	0.00%	122.79			122.79	0.00	0.00	0.00	122.79
2	Buildings	1100	2.98%	627.29			627.29	113.32	16.80	130.12	497.17
3	Lines & Cables	1200	3.45%	660.21			660.21	136.20	20.47	156.67	503.54
4	Plant & Machinery	1300	3.45%	7488.36			7488.36	1205.57	281.86	1487.43	6000.94
5	Capital Spares	1400	3.45%	117.38			117.38	13.19	0.62	13.81	103.57
6	Hydraulic Works	1500	3.45%	816.82			816.82	194.14	25.39	219.53	597.29
7	Other Civil Works	1600	2.98%	52.93			52.93	6.26	1.30	7.56	45.37
8	Vehicles	1700	23.67%	78.21			78.21	0.40	0.14	0.54	77.67
9	Furniture & Fixtures	1800	9.67%	1.18			1.18	0.39	0.10	0.49	0.70
10	Computers	1900	23.33%	0.79			0.79	0.69	0.03	0.72	0.07
11	Office Equipment	2100	9.67%	0.50			0.50	0.18	0.02	0.21	0.29
	Intangible assets	0	20.00%	0.14			0.14	1.51	1.01	2.52	2.61
	Total		3.48%	9971.58	0.00	0.00	9971.58	1671.85	347.74	2018.59	7951.99
				9971.58	0.00	0.00	9971.58	1671.85	347.74	2018.59	7952.00

FY 2027-28												
S.No.	Asset Group	A/c Code	Rate of Depreciation	Gross fixed Assets			Provisions for depreciation			Net fixed Assets		
				At the beginning of the year	Additions during the year	Adjust. & deductions	At the end of the year	Cumulative upto the beginning of the year	Additions during the year	Adjust. during the year	Cumulative at the end of the year	At the beginning of the year
1	Land & Land Rights	1000	0.00%	122.79	0.00		122.79	0.00		0.00	122.79	122.79
2	Buildings	1100	2.98%	627.29	0.00		627.29	130.12	16.80		146.92	480.37
3	Lines & Cables	1200	3.45%	660.21	0.00		660.21	156.67	20.47		177.14	483.07
4	Plant & Machinery	1300	3.45%	7488.36	0.00		7488.36	1497.43	281.94		1769.36	5719.00
5	Capital Spares	1400	3.45%	117.38	0.00		117.38	13.81	0.62		14.43	102.95
6	Hydraulic Works	1500	3.45%	816.82	0.00		816.82	219.53	25.39		244.92	571.90
7	Other Civil Works	1600	2.98%	52.93	0.00		52.93	7.56	1.35		8.91	44.02
8	Vehicles	1700	23.67%	78.21	0.00		78.21	0.54	0.04		0.58	77.63
9	Furniture & Fixtures	1800	9.67%	1.18	0.00		1.18	0.49	0.10		0.59	0.59
10	Computers	1900	23.33%	0.79	0.00		0.79	0.72	0.00		0.72	0.07
11	Office Equipment	2100	9.67%	0.50	0.00		0.50	0.21	0.02		0.23	0.27
	Intangible assets	0	20.00%	5.14	0.00		5.14	2.52	1.01		3.53	2.61
	Total		3.48%	9971.58	0.00	0.00	9971.58	2019.59	347.74	0.00	2367.33	7951.99
				9971.59	0.00	0.00	9971.59	2019.59	347.74	0.00	2367.33	7952.00
												7604.26

FY 2028-29													
S.No.	Asset Group	A/c Code	Rate of Depreciation	Gross fixed Assets			Provisions for depreciation				Net fixed Assets		
				At the beginning of the year	Additions during the year	Adjust. & deductions	At the end of the year	Cumulative upto the beginning of the year	Additions during the year	Adjust during the year	Cumulative at the end of the year	At the beginning of the year	At the end of the year
1	Land & Land Rights	1000	0.00%	122.79			122.79	0.00	0.00		0.00	122.79	122.79
2	Buildings	1100	2.98%	627.29			627.29	146.92	16.80		163.72	480.37	463.57
3	Lines & Cables	1200	3.45%	660.21			660.21	177.14	20.47		197.60	483.07	462.61
4	Plant & Machinery	1300	3.45%	7488.36			7488.36	1769.36	281.96		2051.32	5719.00	5437.05
5	Capital Spares	1400	3.45%	117.38			117.38	14.43	0.62		15.05	102.95	102.33
6	Hydraulic Works	1500	3.45%	816.82			816.82	244.92	25.39		270.31	571.90	546.50
7	Other Civil Works	1600	2.98%	52.93			52.93	8.91	1.38		10.29	44.02	42.64
8	Vehicles	1700	23.67%	78.21			78.21	0.58	0.00		0.58	77.63	77.63
9	Furniture & Fixtures	1800	9.67%	1.18			1.18	0.58	0.10		0.69	0.59	0.49
10	Computers	1900	23.33%	0.79			0.79	0.72	0.00		0.72	0.07	0.07
11	Office Equipment	2100	9.67%	0.50			0.50	0.23	0.02		0.25	0.27	0.25
	Intangible assets	0	20.00%	5.14			5.14	3.53	1.01		4.54	1.61	0.60
	Total		3.49%	9971.58	0.00	0.00	9971.58	2367.33	347.74	0.00	2715.08	7604.24	7256.50
				2019.59	0.00	0.00	5971.59	2019.59	347.74	0.00	2367.33	7952.00	7604.24

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Form 5: Interest and finance charges on loan

A. Normative Loan

S. No.	Particulars	Year (n-1) (FY 2022-23)			Current Year 'n' (FY 2023-24)			Control Period				
		MYT/Tariff Order	Apr-Mar	True-Up requirement	MYT/Tariff Order	Approved	Apr - Mar	FY 2024-25	FY 2025-26	FY 2026-27	FY 2027-28	FY 2028-29
1	Opening Balance of Gross Normative Loan	Approved	Audited	Claimed				Projected	Projected	Projected	Projected	Projected
2	Cumulative Repayment till the year	4882.40	4882.40	4882.40			5081.39	5011.70	6139.65	6980.11	6980.11	6980.11
3	Opening Balance of Net Normative Loan	400.78	400.78	400.78			761.66	1133.51	1375.57	1671.85	2019.59	2367.33
4	Less: Reduction of Normative Loan due to retirement or replacement of assets	4461.62	4461.62	4461.62		0.00		4078.18	4764.08	5308.25	4960.51	4612.77
5	Addition of Normative Loan due to capitalisation during the year		219.98	219.98								
6	Repayment of Normative loan during the year	360.88	360.88	360.88			300.23	371.85	242.05	296.28	347.74	347.74
7	Closing Balance of Net Normative Loan	4100.74	4319.72	4319.72			300.23	4078.18	4764.08	5308.25	4612.77	4365.03
8	Closing Balance of Gross Normative Loan	4501.52	4720.51	4720.51			300.23	4839.84	5397.58	6063.62	6532.35	6632.35
9	Average Balance of Net Normative Loan	4281.15	4390.67	4390.67			160.12	4198.95	4421.13	5036.17	5134.38	4786.64
10	Weighted average Rate of Interest on actual Loans (%)		10.68%	10.68%				10.35%	10.37%	10.38%	10.38%	10.39%
11	Interest							434.59	488.47	532.75	496.85	461.20
12	Finance charges	457.23	442.58	442.58								
13	Total Interest & Finance charges	398.79	442.58	442.58			434.59	488.47	532.75	496.85	461.20	461.20

Note:

1 In case actual loan is more than 75%, the modification in the formula need to be done accordingly.

B. Actual loan portfolio

S. No.	Particulars	(Rs. Crore)											
		2022-23		2023-24		2024-25		2025-26		2026-27		2027-28	
		Apr-Mar	Audited	Apr-Sep	Actual	Oct-Mar	Estimated	Apr - Mar	Estimated	Apr - Mar	Projected	Projected	Projected
1	Loan 1-PFC												
	Opening Balance of Loan	6047.09	5745.33	5745.33	5466.55	5466.55	5238.78	4811.13	4383.48	3855.83	3355.83	3055.83	2755.83
	Addition of Loan during the year	0.61	129.22	129.22	198.09	198.09	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Loan Repayment during the year	302.37	408.00	408.00	423.86	423.86	427.65	427.65	427.65	427.65	427.65	427.65	427.65
	Closing Balance of Loan	5745.33	5466.55	5466.55	5238.78	5238.78	4811.13	4383.48	3955.83	3528.18	3101.18	2674.18	2247.18
	Average Loan Balance	5036.41	5543.72	5421.60	5043.97	5043.97	4616.34	4199.51	3760.99	3322.47	2884.00	2445.51	2007.02
	Applicable Interest Rate (%)	10.08	10.28	10.28	10.28	10.28	10.28	10.28	10.28	10.28	10.28	10.28	10.28
	Interest	598.39	570.10	557.34	518.52	518.52	474.56	431.72	386.63	341.72	296.83	251.94	207.05
	Finance charges	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Total Interest & Finance charges	598.39	570.10	557.34	518.52	518.52	474.56	431.72	386.63	341.72	296.83	251.94	207.05
2	Loan 2-PFC for FGD												
	Opening Balance of Loan	418.12	418.12	418.12	468.12	468.12	601.37	560.13	518.89	477.65	436.41	395.17	353.93
	Addition of Loan during the year	0.00	50.00	50.00	148.37	148.37	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Loan Repayment during the year	0.00	0.00	0.00	16.12	16.12	41.24	41.24	41.24	41.24	41.24	41.24	41.24
	Closing Balance of Loan	418.12	468.12	468.12	601.37	601.37	560.13	518.89	477.65	436.41	395.17	353.93	312.69
	Average Loan Balance	418.25	419.25	419.25	533.60	533.60	582.56	541.33	501.42	458.84	416.35	373.86	331.37
	Applicable Interest Rate (%)	10.74	11.25	11.25	11.25	11.25	11.25	11.25	11.25	11.25	11.25	11.25	11.25
	Interest	44.82	47.17	47.17	60.03	60.03	65.54	60.90	56.41	51.92	47.43	42.94	38.45
	Finance charges	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Total Interest & Finance charges	44.82	47.17	47.17	60.03	60.03	65.54	60.90	56.41	51.92	47.43	42.94	38.45
	Total												
	Opening Balance of Loan	6465.21	6163.45	6163.45	5934.87	5934.87	5840.15	5371.26	4902.37	4433.48	3964.59	3495.70	3026.81
	Addition of Loan during the year	0.61	179.22	179.22	345.46	345.46	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Loan Repayment during the year	302.37	408.00	408.00	423.86	423.86	427.65	427.65	427.65	427.65	427.65	427.65	427.65
	Closing Balance of Loan	6163.45	5934.87	5934.87	5840.15	5840.15	5371.26	4902.37	4433.48	3964.59	3495.70	3026.81	2599.16
	Average Loan Balance	6364.66	6066.01	6066.01	5955.20	5955.20	5626.55	5157.68	4701.03	4246.14	3791.25	3336.36	2881.47
	Applicable Interest Rate (%)	10.12	10.35	10.35	10.35	10.35	10.35	10.35	10.35	10.35	10.35	10.35	10.35
	Interest	643.31	617.27	617.27	677.37	677.37	694.06	635.46	588.13	539.85	491.56	443.27	394.98
	Finance charges	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
	Total Interest & Finance charges	643.31	617.27	617.27	677.37	677.37	694.06	635.46	588.13	539.85	491.56	443.27	394.98

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Form 6 :Interest on working capital

S. No.	Particulars	FY 2022-23			FY 2023-24		Control Period						(Rs. Crore)	
		MYT/Tariff Order	Apr-Mar	True-Up requirement	MYT/Tariff Order	Apr - Mar	FY 2024-25	FY 2025-26	FY 2026-27	FY 2027-28	FY 2028-29			
		Approved	Audited	Claimed	Approved	Estimated	Projected	Projected	Projected	Projected	Projected	Projected	Projected	
1	Cost of coal, towards stock	142.20	154.71	154.71	170.31	186.55	133.10	135.76	138.47	141.24	144.07			
2	Cost of coal for generation	142.20	154.71	154.71	170.31	186.55	199.64	203.64	207.71	211.86	216.10			
3	Cost of secondary fuel oil	3.67	31.57	31.57	3.73	3.00	2.24	2.28	2.33	2.37	2.42			
4	O&M expenses	13.33	32.71	32.71	14.13	36.62	36.84	39.49	42.18	44.27	46.48			
5	Maintenance spares	31.99	78.51	78.51	33.91	87.89	74.45	87.71	99.72	99.72	99.72			
6	Receivables1	518.24	632.57	632.57	585.73	681.78	515.38	550.33	573.42	579.17	583.70			
	Less:													
7	Payables for Fuels2	144.01	170.28	170.28	172.15	188.03	201.85	205.89	210.01	214.21	218.49			
8	Total Working Capital requirement	707.62	914.50	914.50	805.97	994.37	759.80	813.33	853.83	864.43	874.00			
9	Interest rate	8.55%	9.44%	9.44%	8.55%	10.08%	10.15%	10.15%	10.15%	10.15%	10.15%			
10	Interest on working capital	63.34	86.31	86.31	66.11	100.23	77.12	82.55	86.66	87.74	88.71			

Note:

¹ In case actual availability is less or more than normative value, the modification in the formula need to be done accordingly.

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Form 7: Return on Equity

S. No.	Particulars	FY 2022-23			FY 2023-24			Control Period					(Rs. Crore)	
		MYT/Tariff Order	Apr-Mar	True-Up requirement	MYT/Tariff Order	Apr - Mar		FY 2024-25	FY 2025-26	FY 2026-27	FY 2027-28	FY 2028-29		
		Approved	Audited	Claimed	Approved	Estimated		Projected	Projected	Projected	Projected	Projected		
1	Regulatory Equity at the beginning of the year	2083.89	2083.89	2083.89		2177.74		2233.58	2631.28	2991.47	2991.47	2991.47		
2	Capitalisation during the year	312.83	312.83	312.83		186.16		1325.64	1200.65	0.00	0.00	0.00		
3	Equity portion of capitalisation during the year	93.85	93.85	93.85	0.00	55.85		397.69	360.20	0.00	0.00	0.00		
4	Reduction in Equity Capital on account of retirement / replacement of assets													
5	Regulatory Equity at the end of the year	2177.74	2177.74	2177.74	0.00	2233.58		2631.28	2991.47	2991.47	2991.47	2991.47		
6	Rate of Return on Equity													
7	Base rate of Return on Equity	15.50%	15.50%	15.50%	15.50%	15.50%		15.50%	15.50%	15.50%	15.50%	15.50%		
8	Effective Income Tax rate	17.47%	25.168%	25.168%	17.472%	25.168%		25.168%	25.168%	25.168%	25.168%	25.168%		
9	Rate of Return on Equity	18.78%	20.71%	20.71%	18.78%	20.71%		20.71%	20.71%	20.71%	20.71%	20.71%		
10	Return on Equity Computation													
11	Return on Regulatory Equity at the beginning of the year	391.39	431.64	431.64	0.00	451.08		462.64	545.02	619.63	619.63	619.63		
12	Return on Regulatory Equity addition during the year	8.81	9.72	9.72	0.00	5.78		41.19	37.30	0.00	0.00	0.00		
13	Total Return on Equity	406.16	441.36	441.36	463.05	456.86		503.83	582.32	619.63	619.63	619.63		

Note:

1 In case actual loan is more than 75%, the modification in the formula need to be done accordingly.

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Form 8: Non-Tariff Income

S. No.	Particulars	Year (n-1) (FY 2022-23)			Current Year 'n' (FY		Control Period						(Rs. Crore)
		MYT/Tariff Order Approved	Apr-Mar Audited	True-Up requirement Claimed	MYT/Tariff Order Approved	Apr - Mar Estimated	FY 2024-25	FY 2025-26	FY 2026-27	FY 2027-28	FY 2028-29		
							Projected	Projected	Projected	Projected	Projected		
							Projected	Projected	Projected	Projected	Projected		
1	Income from rent of land or buildings		0.06	0.06		0.09	0.06	0.06	0.07	0.07	0.07		
2	Net income from sale of de-capitalised assets		-	-		-	-	-	-	-	-		
3	Income from sale of scrap		0.03	0.03		0.28	0.03	0.03	0.03	0.03	0.03		
4	Income from statutory investments		-	-		-	-	-	-	-	-		
5	Interest income on advances to suppliers/ contractors		-	-		-	-	-	-	-	-		
6	Income from rental from staff quarters		0.03	0.03		0.02	0.03	0.03	0.03	0.03	0.04		
7	Income from rental from contractors		-	-		-	-	-	-	-	-		
8	Income from hire charges from contractors and others		0.00	0.00		0.01	0.03	0.00	0.00	0.00	0.00		
9	Income from sale of ash/rejected coal		1.92	1.92		9.40	10.69	11.11	11.56	12.02	12.50		
10	Income from advertisements		-	-		-	-	-	-	-	-		
11	Income from sale of tender documents		0.07	0.07		0.10	0.07	0.08	0.08	0.08	0.09		
12	...		2.38	2.38		0.27	0.74	0.77	0.80	0.83	0.87		
	Total	9.49	4.50	4.50	9.49	10.17	11.62	12.09	12.57	13.07	13.60		

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Form 10: Operational parameters**

S. No.	Particulars	Units	Year (n-1) (FY 2022-23)			Current Year 'n' (FY 2023-24)		Control Period					Remarks
			MYT/Tariff Order Approved	Apr-Mar Audited	True-Up requirement Claimed	MYT/Tariff Order Approved	Apr - Mar Estimated	FY 2024-25 Projected	FY 2025-26 Projected	FY 2026-27 Projected	FY 2027-28 Projected	FY 2028-29 Projected	
1	Installed Capacity	MW	4270	1080									
COD			05.06.2020										
			07.12.2020										
			27.03.2021										
			08.01.2022										
	Type of Thermal Generating Station (Pithead/Non-		Non-Pit Head										
2	Availability												
2.1	Target Availability for full recovery of AFC	%	85	85	85	85	85	85	85	85	85	85	85
2.2	Actual/Projected Availability	%		85.33	85.38		74.11	85	85	85	85	85	85
3	Plant Load Factor (PLF)												
3.1	Target PLF for incentive	%	85	85	85	85	85	85	85	85	85	85	85
3.2	Actual/Projected PLF	%		85.51	85.51		73.3	85.03	85.03	85.09	85.04	85.03	85.03
4	Gross Generation												
4.1	Scheduled Generation	MU	5633.13	5633.13	5633.13	6325.38	6323.38	7361.10	7361.10	7365.26	7381.50	7361.10	7361.10
4.2	Actual/Projected Gross Generation	MU		6197.55	6197.55		6553.82	8044.92	8044.92	8050.86	8067.21	8044.92	8044.92
5	Auxiliary Consumption												
5.1	Normative Auxiliary Energy Consumption	%	8.5	8.50	8.50		8.50	8.50	8.50	8.50	8.50	8.50	8.50
5.2	Actual/Projected Auxiliary Energy Consumption	%		9.11	9.11		8.99	8.50	8.50	8.50	8.50	8.50	8.50
5.3	Actual/Projected Auxiliary Energy Consumption	MU		564.42	564.42		628.43	683.02	683.82	684.30	685.71	683.82	683.82
5.4	Net Generation	MU		5693.13	5693.13		6325.38	7361.10	7361.10	7365.26	7381.50	7361.10	7361.10
6	Gross Station Heat Rate												
6.1	Normative Gross Station Heat Rate	kcal/kWh	2273	2273	2273		2273	2318.4	2318.4	2318.4	2318.4	2318.4	2318.4
6.2	Actual/Projected Gross Station Heat Rate	kcal/kWh		2492	2492		2462	2318.4	2318.4	2318.4	2318.4	2318.4	2318.4
7	Secondary Fuel Oil Consumption												
7.1	Normative Secondary Fuel Oil Consumption	ml/kWh	0.5	0.5	0.5		0.5	0.5	0.5	0.5	0.5	0.5	0.5
7.2	Actual/Projected Secondary Fuel Oil Consumption	ml/kWh		4.28	4.28		0.400	0.5	0.5	0.5	0.5	0.5	0.5
8	Transit Loss												
8.1	Normative Transit Loss	%	0.8	0.8	0.8		0.8	0.8	0.8	0.8	0.8	0.8	0.8
8.2	Actual/Projected Transit Loss	%		0.8	0.8		0.8	0.8	0.8	0.8	0.8	0.8	0.8

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Form 11: Fuel Details for computation of Energy Charge Rate

S. No.	Particulars	Units	Year (0-1) (FY 2022-23)												Current Year 'n' (FY 2023-24)											
			Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep						
A	Opening Quantity																									
1	Opening quantity of coal	MT	99800.001	76756.821	129214.84	167100	130846.71	176431.01	232200	225895.51	273808.79	301720	223259.11	133018.71	134836	151266	132910	149447	201347	250042						
2	Value of stock	Rs.in Crs	37.88	30.71	59.80	71.16	53.84	70.45	91.26	87.46	110.31	127.12	109.91	86.38	58.85	54.97	58.61	68.68	82.94	100.76						
B	Procurement																									
3	Quantity of coal supplied by the coal company	MT	355599	354763	333937	205072	395548	458056	431412	418603	404447	346743	319718	436534	434315	417532	426926	410437	445627	383591						
4	Adjustment in coal quantity supplied by the coal company (-/+)	MT																								
5	Coal supplied by coal company (3-4)	MT	355599	354763	333937	206072	395548	458056	431412	418603	404447	346743	319718	436534	434315	417532	426926	410437	445627	383591						
6	Normative transit and handling loss	MT	2845	2838	2671	1641	3164	3648	3451	3349	3236	2774	2558	3492	3475	3340	3415	3283	3565	3088						
7	Net coal supplied	MT	352754.48	351924.63	331265.24	203431.31	392384.03	452407.14	427860.86	415254.01	401211.95	343969.23	317160.36	433042.11	430840.42	414192.18	423810.96	407183.87	442061.96	380522.11						
C	Price																									
8	Amount charged by coal company	Rs.in Crs	112.08	128.41	124.87	72.27	160.81	181.70	168.68	174.44	179.29	188.85	180.74	178.48	196.00	202.91	248.71	198.74	206.32	161.96						
9	Adjustment in amount charged by the coal company	Rs.in Crs	25.97	35.16	6.87	4.50	-28.30	-20.87	-4.28	-12.44	-11.15	18.95	-10.31	-3.37	-18.15	-24.60	-57.97	-44.17	-36.54	-30.73						
10	Handling, sampling and such other similar charges	Rs.in Crs	1.10	0.62	0.63	1.06	0.92	0.77	1.64	0.72	0.77	0.75	1.28	1.04	0.85	0.90	0.91	0.85	0.87	0.88						
11	Total amount charged (8+9+10)	Rs.in Crs	139.15906	162.19274	132.37052	77.820109	141.42172	181.80307	185.9398	162.71825	188.90755	188.54558	151.70986	176.16099	178.89331	179.22221	191.64928	156.41729	170.84623	132.10073						
D	Transportation																									
12	Transportation charges																									
	By rail	Rs.in Crs	0.00	0.00	0.00	0.84	7.82	8.27	2.58	2.81	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00						
	By road	Rs.in Crs	4.22	4.48	4.23	2.64	5.84	6.64	5.81	5.51	5.10	4.18	4.02	5.52	5.44	5.15	5.38	5.22	5.68	5.16						
	By ship	Rs.in Crs																								
	...	Rs.in Crs																								
13	Adjustment in amount charged by the coal transporter	Rs.in Crs																								
14	Demurrage charges, if any	Rs.in Crs																								

Form 11.1: Fuel Details for computation of Energy Charge Rate

S. No.	Particulars	Units	Year (n-1) (FY 2022-23)												Current Year 'n' (FY 2023-24)					
			Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
A	Opening Quantity																			
1	Opening quantity of oil	KL	2158.42	1591.84	2666.76	2976.07	3030.09	2411.63	3756.62	4317.31	4399.92	3914.92	3699.92	3701.11	3747.49	3684.97	3909.13	4126.22	4250.02	4280.30
2	Value of stock	Rs.in Crs	13.70	11.91	22.06	24.86	24.63	18.45	25.56	29.50	28.65	25.31	24.21	23.90	24.49	23.90	25.06	26.14	26.46	26.65
B	Procurement																			
3	Quantity of oil supplied by the oil company	KL	2874.42	4236.91	1344.31	6481.02	4646.54	5066.99	1212.69	343.61	0.00	150.00	237.19	1494.38	390.48	510.16	486.09	508.80	231.28	150.00
4	Adjustment in oil quantity supplied by the oil company	KL																		
5	oil supplied by oil company (3+4)	KL	2874.42	4236.91	1344.31	6481.02	4646.54	5066.99	1212.69	343.61	0	150	237.19	1494.38	390.48	510.16	486.09	508.8	231.28	150
6	Normative transit and handling loss	KL																		
7	Net oil supplied	KL	2874.42	4236.91	1344.31	6481.02	4646.54	5066.99	1212.69	343.61	0	150	237.19	1494.38	390.48	510.16	486.09	508.8	231.28	150
C	Price																			
8	Amount charged by oil company	Rs.in Crs	23.07	36.34	11.36	48.81	29.22	30.48	7.24	1.87	0.00	1.25	1.26	9.31	2.30	2.98	2.74	2.97	1.85	1.35
9	Adjustment in amount charged by the oil company	Rs.in Crs																		
10	Handling, sampling and such other similar charges	Rs.in Crs																		
11	Total amount charged (8+9+10)	Rs.in Crs	23.07	36.34	11.36	48.81	29.22	30.48	7.24	1.87	0.00	1.25	1.26	9.31	2.30	2.98	2.74	2.97	1.85	1.35
12	Transportation																			
	Transportation charges																			
	By rail	Rs.in Crs																		
	By road	Rs.in Crs																		
	By ship	Rs.in Crs																		
	...	Rs.in Crs																		

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Form 12: Energy Charge Rate

Particulars	Legend	Units	(FY 2022-23)			Current Year 'n' (FY 2023-24)		Control Period							
			MYT/Tariff Order	Apr-Mar	True-Up requirement	MYT/ Tariff Order	Apr - Mar	FY 2024-25	FY 2025-26	FY 2026-27	FY 2027-28	FY 2028-29			
			Approved	Audited	Claimed	Approved	Estimated	Projected	Projected	Projected	Projected	Projected			
			8.5	9.11	9.11	8.50	9.04	8.5	8.5	8.5	8.5	8.5			
Auxiliary Consumption	AUX	%													
Gross Station Heat Rate	GSHR	kcal/kWh	2273	2493	2493	2273	2473.67	2318.4	2318.4	2318.4	2318.4	2318.4	2318.4	2318.4	2318.4
Secondary Fuel oil consumption	SFC	ml/kWh	0.5	4.28	4.28	0.5	0.40	0.5	0.5	0.5	0.5	0.5	0.5	0.5	0.5
Calorific Value of Secondary Fuel	CVSF	kcal/ml	9819	9819	9819	9819	9819	9819	9819	9819	9819	9819	9819	9819	9819
Landed Price of Secondary Fuel	LPSF	Rs./ml	0.07	0.07	0.07	0.06	0.06	0.07	0.07	0.07	0.07	0.07	0.07	0.07	0.07
Gross Calorific Value of Coal	CVPF	kcal/kg	3451	3451	3451	3288	3288	3523	3523	3523	3523	3523	3523	3523	3523
Landed Price of Coal	LPPF	Rs./kg	4.28	4.28	4.28	4.34	4.34	4.60	4.60	4.69	4.79	4.88	4.98	4.98	4.98
Specific Coal Consumption		kg/kWh	0.77	0.71	0.71	0.77	0.75	0.66	0.66	0.66	0.66	0.66	0.66	0.66	0.66
Coal Cost/kwh		Rs/kwh	3.071	3.342	3.342	3.276	3.59	3.30	3.30	3.37	3.43	3.50	3.57	3.57	3.57
Oil Cost/kwh		Rs/kwh	0.039	0.336	0.336	0.035	0.03	0.04	0.04	0.04	0.04	0.04	0.04	0.04	0.04
ECR		Rs./kWh	3.110	3.678	3.678	3.311	3.617	3.338	3.404	3.472	3.542	3.613	3.613	3.613	3.613

* Energy Charges provisionally computed for next control period FY 2024-25 to FY 2028-29 based on actual weighted average cost of primary fuel and secondary fuel during January-24, February-24 and March-24 with 2% escalation year on year. However, actual energy charges shall be claimed as per TGERC regulation 2 of 2023.

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Form 13: Sales

FY 2022-23

Audited

Beneficiary	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Total
TSSPDCL (70.55%)	353.36	312.83	274.90	197.19	286.38	314.99	358.19	318.91	339.17	450.64	396.64	370.98	3974.17
TSNPDCL (29.45%)	147.50	130.58	114.75	82.31	119.54	131.49	149.52	133.12	141.58	188.11	165.57	154.86	1658.96
Total	500.86	443.41	389.66	279.51	405.92	446.47	507.71	452.03	480.76	638.75	562.21	525.85	5633.13

FY 2023-24

Estimated

Beneficiary	Actuals						Estimated						Total
	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Total
TSSPDCL (70.55%)	361.36	382.46	360.31	283.12	299.23	329.05	378.18	413.01	398.68	436.42	414.39	406.36	4462.57
TSNPDCL (29.45%)	150.85	159.65	150.40	118.19	124.91	137.36	157.87	172.40	166.42	182.17	172.98	169.63	1862.83
Total	512.21	542.11	510.71	401.31	424.14	466.41	536.05	585.41	565.10	618.59	587.37	576.00	6325.41

FY 2024-25

Projected

Beneficiary	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Total
TSSPDCL (70.55%)	439.22	453.86	439.22	393.63	363.51	439.22	453.86	439.22	453.86	453.86	409.94	453.86	5193.28
TSNPDCL (29.45%)	183.35	189.43	183.35	164.31	151.74	183.35	189.43	183.35	189.43	189.43	171.12	189.43	2167.71
Total	622.57	643.29	622.57	557.94	515.25	622.57	643.29	622.57	643.29	643.29	581.06	643.29	7360.98

FY 2025-26

Projected

Beneficiary	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Total
TSSPDCL (70.55%)	439.22	453.86	439.22	378.56	378.56	439.22	453.86	439.22	453.86	453.86	409.94	453.86	5193.27
TSNPDCL (29.45%)	183.35	189.46	183.35	158.03	158.03	183.35	189.46	183.35	189.46	189.46	171.12	189.46	2167.85
Total	622.57	643.32	622.57	536.59	536.59	622.57	643.32	622.57	643.32	643.32	581.06	643.32	7361.12

FY 2026-27

Projected	Beneficiary	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Total
	TSSPDCL (70.55%)	448.01	462.93	452.06	398.01	345.27	448.01	462.93	410.35	425.29	462.93	417.84	462.93	5196.59
	TSNPDCL (29.45%)	137.01	193.25	188.71	166.15	144.13	187.01	193.25	171.30	177.63	193.25	174.84	193.25	2169.65
	Total	635.02	656.18	640.77	564.16	489.40	635.02	656.18	581.65	602.82	656.18	592.68	656.18	7366.24

FY 2027-28

Projected	Beneficiary	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Total
	TSSPDCL (70.55%)	456.79	472.01	335.06	346.23	354.34	456.79	472.01	456.79	472.01	472.01	441.57	472.01	5207.65
	TSNPDCL (29.45%)	190.68	197.04	139.87	144.53	147.92	190.68	197.04	190.68	197.04	197.04	184.32	197.04	2173.85
	Total	647.47	669.05	474.93	490.76	502.26	647.47	669.05	647.47	669.05	669.05	625.89	669.05	7381.50

FY 2028-29

Projected	Beneficiary	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Total
	TSSPDCL (70.55%)	439.22	453.86	439.22	453.86	453.86	439.22	453.86	326.26	416.22	453.86	409.94	453.86	5193.28
	TSNPDCL (29.45%)	183.35	189.46	183.35	189.46	189.46	183.35	189.46	136.20	173.74	189.46	171.12	189.46	2167.85
	Total	622.57	643.32	622.57	643.32	643.32	622.57	643.32	462.48	589.96	643.32	581.06	643.32	7361.13

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Form 15: Revenue Reconciliation

Previous Year (n-1) FY 2022-23
Audited

S. No.	Particulars	Units	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Total
1	Normative Availability (%)	%	85.00	85.00	85.00	85.00	85.00	85.00	85.00	85.00	85.00	85.00	85.00	85.00	80.00
2	Availability during the month (%)	%	73.23	62.60	56.32	39.47	57.27	64.68	71.35	64.56	68.13	89.51	88.87	71.77	82.25
3	Cumulative Availability (%)	%	73.23	67.83	64.03	57.79	57.69	58.83	60.65	61.13	61.92	64.71	66.49	66.94	
4	Target PLF for incentive	%	85.00	85.00	85.00	85.00	85.00	85.00	85.00	85.00	85.00	85.00	85.00	85.00	80.00
5	Actual PLF during the month (%)	%	70.55	60.80	55.09	39.35	56.20	63.62	69.65	63.82	65.55	86.49	84.45	72.08	
6	Cumulative PLF (%)	%	70.55	65.59	62.13	56.34	56.31	57.51	59.27	59.83	60.47	63.11	64.90	65.51	
7	Gross Generation (MU)	MU	548.59	488.52	428.36	316.16	451.55	494.89	559.69	496.29	526.71	694.93	612.91	579.15	6197.55
8	Auxiliary Consumption (MU)	MU	47.73	45.11	38.70	36.68	45.63	48.22	51.98	44.25	45.96	56.18	50.70	53.31	564.42
9	Net Generation (MU)	MU	500.86	443.41	389.66	279.51	405.92	446.47	507.71	452.03	480.75	638.75	562.21	525.85	5633.13
10	Generation above target PLF (MU)	MU	-160.10	-239.58	-271.30	-403.49	-277.07	-214.49	-175.28	-208.93	-202.24	-44.24	-54.88	-157.15	-2408.55
11	Variable Charges Per Unit	Rs./kWh	2.363	2.363	2.363	2.363	2.363	2.363	2.363	2.363	2.363	2.363	2.363	2.363	2.668
12	Approved Fixed Charges	Rs. Crore	161.16	161.16	161.16	161.16	161.16	161.16	161.16	161.16	161.16	161.16	161.16	161.16	1933.86
13	Fuel Surcharge	Rs./kWh	2.725	3.001	2.944	3.257	3.074	3.111	3.088	3.011	3.022	3.206	3.417	3.425	3.629
14	Fixed Charges During Month	Rs. Crore	138.84	118.36	106.99	74.07	108.62	122.35	135.69	122.27	129.38	170.29	159.81	136.30	1522.97
15	Energy Charges Amount	Rs. Crore	118.35	104.78	92.08	66.05	95.92	105.50	119.97	106.81	113.60	150.94	132.85	124.26	1331.11
16	Amount of Fuel Surcharge Adjustment	Rs. Crore	18.13	28.27	22.63	25.28	28.85	33.38	35.80	29.30	31.70	53.87	59.26	55.86	422.31
17	Incentive Amount	Rs. Crore													0.00
18	Revenue from sale of electricity	Rs. Crore	275.32	251.41	221.69	165.40	233.38	261.22	291.46	258.38	274.68	375.10	351.92	316.42	3276.39
19	Other recoveries/adjustments														
	Fuel (savings)/charge year end adjustment														101.33
	Difference bill issued after MTR order														-487.25
	Water Charges	Rs. Crore													1.88
20	Total Revenue	Rs. Crore	275.32	251.41	221.69	165.40	233.38	261.22	291.46	258.38	274.68	375.10	351.92	316.42	2892.34
21	Total Revenue as per Audited Accounts	Rs. Crore													

IT INITIATIVES

The New Automation and IT initiatives proposed to be carried out during the next Control Period.

1. **Upgrading the ERP SAP software from ECC to S4 HANA:** The End of Support for the ECC system has been declared by 2027 and support to the connected data base i.e Oracle has already been expired in July' 2022. As such upgrading the ERP system and connected data base is essential to ensure Business continuity. The proposal is under circulation for the Board of Directors of TSGENCO.
2. The Servers and associated equipment's were procured ten years back and frequent troubles and failures are being experienced due to ageing of the equipment. As such, it is proposed to upgrade the Hardware i.e. Servers and Storage equipment suitable for the propose software upgrade.
3. Further, establishment of back up servers and storage equipment i.e DR (Disaster Recovery) with minimum hardware configuration is essential as backup in case of failure of DC (Data Center), to ensure business continuity and to avoid data loss.
4. The following are the proposed improvements in plant performance monitoring aspects so as to achieve internal efficiency and to meet regulatory requirements.
 - a. Automation of Capture of tentative running costs of thermal generating units on daily basis.
 - b. 25 point dash board for generation parameters of all thermal units.
 - c. Installation of IP cameras at all thermal plants in line pollution control Board guidelines.
5. The following It initiatives are also envisaged in the HR aspect of Organization functioning
 - a. Automation of Annual Appraisal reports.

- b. Automation of Leave sanction and Accounting process.
 - c. automation of various loans and Advances sanction and accounting process.
6. In the Finance module in ERP, payment gateway integration to Banks Aging Reports and development financial reports in S/4 HANA will be developed.
 7. In MM Module in ERP, new development of MDG implementation for materials, customers and suppliers.

The Approximate expenditure for Item No. (1) to (3), (6) and (7) will be Rs. 30 Crore. The expenditure for Item No. (4) will be met from R&M expenditure of respective plants and Item (5) will be an In-house development taken by the ERP team.

Apportioning of IT Initiatives for 5th Control Period (2024-29)										(Rs. In Crores)	
Sl. No.	Name of the Station	Capacity (MW)	FY 2024-25	FY 2025-26	FY 2026-27	FY 2027-28	FY 2028-29	FY 2024-29			
1	KTPS-V	500	2.34	0.00	0.00	0.00	0.00	2.34			
2	KTPS-VI	500	2.34	0.00	0.00	0.00	0.00	2.34			
3	KTPS-VII	800	3.74	0.00	0.00	0.00	0.00	3.74			
4	RTS-B	0	0.00	0.00	0.00	0.00	0.00	0.00			
5	KTPP-I	500	2.34	0.00	0.00	0.00	0.00	2.34			
6	KTPP-II	600	2.80	0.00	0.00	0.00	0.00	2.80			
7	BTPS	1080	5.05	0.00	0.00	0.00	0.00	5.05			
8	Nagarjuna Complex	875.6	4.09	0.00	0.00	0.00	0.00	4.09			
9	Srisaifam LB	900	4.20	0.00	0.00	0.00	0.00	4.20			
10	Small Hydel	54	0.25	0.00	0.00	0.00	0.00	0.25			
11	Mini Hydel	9.16	0.04	0.00	0.00	0.00	0.00	0.04			
12	Pochampad- II	9	0.04	0.00	0.00	0.00	0.00	0.04			
13	Priyadarshini Jurala	234	1.09	0.00	0.00	0.00	0.00	1.09			
14	Lower Jurala	240	1.12	0.00	0.00	0.00	0.00	1.12			
15	Pulichintala	120	0.56	0.00	0.00	0.00	0.00	0.56			
	Total	6421.76	30.00	0.00	0.00	0.00	0.00	30.00			

Flexibilisation of Thermal Power Plants:

The GOI has set up a huge target of establishing a 500 GW of Renewable Energy(RE) by 2030. The penetration of RE necessitates the flexible operation of thermal power plants.

In this regard, CEA (Central Electricity Authority) vide Regulations dt:30.01.2023 has mandate the achievement of 55% Technical Minimum Limit(TML) by Jan'2024. Accordingly all TSGENCO thermal units have achieved 55% TML except KTPS-V stage units 9 & 10 (2X250 MW) in view of the Ball tube mills.

Further, CEA vide regulations dt.15.12.2023 has issued a phasing plan to achieve 40% TML. The phasing plan has been divided into four phases and details of the phasing plan of TSGENCO units is as follows:

Name of the Project	Unit No.	Capacity (MW)	Date of Commissioning	Phase	Period for completion
BTPS	4	270	09/01/2022	Phase-I	Nov' 2024
BTPS	3	270	26/03/2021		Feb' 2025
BTPS	2	270	07/12/2020		Mar' 2025
BTPS	1	270	05/06/2020		Jul' 2025
KTPS-VII	12	800	26/12/2018		Nov' 2025
KTPP-II	2	600	31/12/2015	Phase-II	Aug'2026
KTPS-VI	11	500	26/6/2011	Phase-III	Aug'2028
KTPP-I	1	500	27/5/2010		Mar'2029
KTPS-V	10	250	28/02/1998	Phase-IV	Nov'2030

In this regard, as per the Report of Task Force Committee setup by MoP, GOI dt:27.10.2017 and CEA in its letter dt:26.03.2023, it was informed that the concerned utilities shall take the measures for implementation of 40% TML duly involving the OEMs if required.

Accordingly, as part of implementation of flexible operations, TSGENCO has approached M/s BHEL (being OEM) for suggesting Retrofitting measures to comply with 40% TML. M/s BHEL has submitted Techno commercial offer separately for each unit of BTPS(4x270 MW) and

KTPP for an estimated amount of Rs.11,57,45,300/- (Rupees Eleven Crores Fifty Seven Lakhs Forty Five Thousand and Three Hundred Only).

Hence, as per the offer submitted by M/s.BHEL, the expenditure to be incurred for retrofitting/upgradation works to be carried out in TSGENCO thermal stations for the next five Financial Years with regard to implementation of Flexibilisation Regulations (40% TML) is approximately RS.92.60 Crores(Excluding taxes) and details are tabulated below:

Sl.NO	Station name	FY	Amount in Rs. (Excl taxes)
1	BTPS(Units-2,3,4)	2024-25	34,72,35,900.00
2	BTPS(Unit-1)	2025-26	11,57,45,300.00
3	KTPS-VII	2025-26	11,57,45,300.00
4	KTPP-II	2026-27	11,57,45,300.00
5	Nil	2027-28	Nil
6	KTPS-VI	2028-29	11,57,45,300.00
7	KTPP-I	2028 29	11,57,45,300.00