



COMMISSION'S ORDER

ON

TRUE-UP FOR FY 2023-24, BUSINESS PLAN FOR FY 2025-2029, CAPEX PLAN FOR FY 2025-29, MID-YEAR PERFORMANCE REVIEW FOR FY 2024-25, DETERMINATION OF GENERATION TARIFF FOR THE FY 2025-26

Case No. HERC/PETITION NO. 64 of 2024

13.03.2025

HARYANA ELECTRICITY REGULATORY COMMISSION

BAYS NO. 33-36, SECTOR-4, PANCHKULA-134112

<https://herc.gov.in>

Abbreviations

Abbreviation	Description
AAC	Additional Auxiliary Consumption
A&G	Administrative & General
APDP	Accelerated Power Development Programme
AEC	Auxiliary Energy Consumption
ARR	Aggregate Revenue Requirement
APTEL	Appellate Tribunal for Electricity
CAGR	Compounded Annual Growth Rate
CAPEX	Capital Expenditure
CERC	Central Electricity Regulatory Commission
CIP	Capital Investment Plan
Cr.	Crore (Rs. 10 Million)
DCRTPS	Deen Bandhu Chotu Ram Thermal Power Station
DCS	Distributed Control System
DHBVNL	Dakshin Haryana Bijli Vitran Nigam Limited
DSI	Dry Sorbent Injection
DSM	Deviation Settlement Mechanism
EA 2003	The Electricity Act 2003 (Act 36 of 2003)
ECR	Energy Charge Rate
ERP	Enterprise Resource Planning
FGD	Flue Gas Desulphurization
FPA	Fuel Price Adjustment
FY	Financial Year
GCV	Gross Calorific Value
GFA	Gross Fixed Assets
GoH	Government of Haryana
GoI	Government of India
HERC	Haryana Electricity Regulatory Commission
HPGCL	Haryana Power Generation Corporation Limited
HWRA	Haryana Water Resources Authority
IndAS	Indian Accounting Standard
IoB	Indian Overseas Bank
IPP	Independent Power Producers
IWC	Interest on Working Capital
MaxDNA	Maximum Dynamic Network Architecture
MoC	Ministry of Coal, Government of India
MoD	Merit Order Dispatch
MoEF&CC	Ministry of Environment, Forest and Climate Change
MoP	Ministry of Power, Government of India
MU	Million Units
MYT	Multi Year Tariff
NAPAF	Normative Annual Plant Availability Factor
NIT	Notice inviting Tender
O&M	Operation & Maintenance
PFC	Power Finance Corporation
PLF	Plant Load Factor
PNB	Punjab National Bank
PPA	Power Purchase Agreement

Abbreviation	Description
PPP	Public Private Partnership
PTPS	Panipat Thermal Power Station
RCR	Road cum Rail
REC	Rural Electrical Corporation
RGTPS	Rajiv Gandhi Thermal Power Plant
RSD	Reserve Shut Down
R&M	Repair & Maintenance
SBI	State Bank of India
SCR	Selective Catalytic Reduction
SFC	Secondary Fuel Consumption
SFO	Secondary Fuel Oil
SHR	Station Heat Rate
SLDC	State Load Dispatch Centre
SNCR	Selective Non-Catalytic Reduction
SOFA	Separated Over Fire-Air
SPM	Suspended Particulate Matter
STP	Sewage Treatment Plant
TO	Tariff Order
UHBVNL	Uttar Haryana Bijli Vitran Nigam Limited
WYC	West Yamuna Canal

BEFORE THE HARYANA ELECTRICITY REGULATORY COMMISSION
BAYS NO. 33-36, SECTOR-4, PANCHKULA-134 112

Case No. HERC/PETITION NO. - 64 of 2024

Date of Hearing : 15.01.2025
Date of Order : 13.03.2025

QUORUM

Shri Nand Lal Sharma
Shri Mukesh Garg

Chairman
Member

IN THE MATTER OF

Petition filed by the Haryana Power Generation Corporation Ltd. (HPGCL) for approval of True-up for the FY 2023-24, Business Plan for FY 2025-2029, Capex Plan for FY 2025-29, Mid-Year Performance Review for the FY 2024-25 and Determination of Generation Tariff for the FY 2025-2026.

AND

IN THE MATTER OF

HPGCL, Panchkula

..... Petitioner

Present

1. Shri Amit Diwan, Director (Finance), HPGCL
2. Shri Vijay Jindal, SE/Regulatory, HPGCL
3. Shri Ravi Juneja, AEE, HPGCL

ORDER

- 1** The petitioner herein i.e. HPGCL, vide its Memo No. 128/HPGC/Reg-522 (2024) dated 21.11.2024, has filed the present petition for approval of true-up for the FY 2023-24 and determination of Generation Tariff for the FY 2025-26 under Section 61 and 62 of Electricity Act, 2003 read with the Haryana Electricity Regulatory Commission MYT Regulations, 2019 including its subsequent amendments. HPGCL has also filed Mid-Year Performance Review for the FY 2024-25, Business Plan for FY 2025-2029, Capex Plan for FY 2025-29, in accordance with the relevant provisions of the HERC MYT Regulations, 2024.
- 2** In fulfilment of the procedural requirement of the Electricity Act, 2003 and HERC (Conduct of Business) Regulations framed thereunder, the petition was hosted on the official website (s) of the Commission as well as that of the

petitioner. Further, a public notice was issued by HPGCL in compliance of section 64 (2) of the Electricity Act, 2003, in the Newspapers, having wide circulation in Haryana, for inviting objections from the General Public / Stakeholders.

Name	Language	Date of publication
The Hindustan Times	English	23.11.2024
Dainik Jagran	Hindi	23.11.2024

A public notice communicating the last date of filing objection as well as the date of hearing was issued by the Commission in the 'Dainik Bhaskar' and 'The Tribune' both dated 18th December, 2024 and was also hosted on the Commission's website under the head 'schedule of hearing'. The petition filed by HPGCL is set out below.

3 True-up Petition for the FY 2023-24

HPGCL has filed the petition praying for truing-up of the FY 2023-24, which is based on the Audited Accounts of the company for the FY 2023-24 in line with regulation 13.1 of the MYT Regulations, 2019.

The regulation (supra) cited by the petitioner is reproduced below: -

"13. TRUING-UP

13.1 Truing-up of the ARR of the previous year shall be carried out along with mid-year performance review of each year of the control period only when the audited accounts in respect of the year(s) under consideration is submitted along with the application. In case audited accounts pertaining to the year, of which truing-up is to be undertaken, are not available, the generating company or the licensee as the case may be, shall submit the provisional account duly approved by the Board of Directors of the company/licensee.

13.2 Truing-up of uncontrollable items shall be carried out at the end of each year of the control period through tariff resetting for the ensuing year and for controllable items shall be done only on account of force majeure conditions and for variations attributable to uncontrollable factors.

13.3 The Commission shall allow carrying costs for the trued-up amount (positive or negative) at the interest rates specified in these Regulations by adjusting the interest allowed on the working capital requirement for the relevant year of the control period. Upon completion of the mid-year performance review and truing up in accordance with these regulations, the Commission

shall pass an order recording:

(a) The revised ARR for such financial year including approved modifications, if any;

(b) Holding cost for under/over recovered amount from the close of the relevant year and up to the middle of the ensuing year of the control period whereupon the trued-up amount has been adjusted by appropriate resetting of tariff in accordance with regulation 13.4, calculated as additional borrowing for working capital for that period.

Provided that no carrying cost shall be allowed on account of delay in filing for true-up due to unavailability of the audited accounts

13.4 Over or under recoveries of trued-up amount in previous year(s) of the control period shall be allowed to be adjusted in the ensuing year of the control period by appropriate resetting of tariff. The unrecovered amount in the one control period shall be adjusted in the subsequent control period.”

The petitioner (a generating company as defined in the Electricity Act, 2003), has cited the following regulation for recovery of Fixed Cost/Capacity charges:-

“30. RECOVERY OF ANNUAL FIXED CHARGES (CAPACITY) CHARGES FOR THERMAL POWER PROJECTS

(a) The fixed cost of a thermal generating station shall be computed on annual basis, based on norms specified under these Regulations. Payment of capacity charge by the beneficiaries shall be on monthly basis in proportion to allocated / contracted capacity. The total capacity charges payable for a generating plant shall be shared by its beneficiaries as per their respective percentage share / allocation in the capacity of the generating plant;

(b) A generating plant shall recover full capacity charge at the normative annual plant availability factor specified by the Commission. Recovery of capacity charge below the level of target availability shall be on pro-rata basis.....”

In view of the above statute, HPGCL has averred that the regulation (supra) lays down the methodology for recovery of the fixed cost components of the tariff as per the availability of the power plants and the True-up is also required between “Recovered” as per plant availability and ‘Actual’ as per the Audited Accounts. Therefore, in the present petition True-up has been

proposed on “Recovered” vis-a-vis “Actual”.

The component wise true-up, as calculated and proposed by the petitioner herein, is as under: -

3.1 True-up of Operation and Maintenance (O&M) expenses

The petitioner has submitted that the Commission had approved O&M Expenses, comprising of Employees Cost including retiral benefits, R&M and A&G expenses of Rs. 880.212 Cr for the FY 2023-24, out of which O&M expenses amounting to Rs. 742.55 crore could only be recovered. The total actual O&M Expenses, as per audited accounts for FY 2023-24, (excluding solar business of Rs 0.92 Cr and SLDC charges of Rs. 6.02 Cr) has been Rs. 1206.85 Cr., as tabulated below: -

Rs. crore

Particular	FY 2023-24 (HERC Approved)	FY 2023-24 (Recovered)	FY 2023-24 (Audited)	Variance	True-Up claimed
	1	2	3	4 = (3-2)	5
Employee Cost	651.378	545.69	761.46	215.77	160.43
a) Employee salary			341.21		
b) Terminal Liability for 2023-24			420.25		
Repair & Maintenance (R&M)	200.141	172.84	416.27	243.43	130.26
Administrative & General	28.692	24.02	29.12	5.10	-
Total	880.212	742.55	1206.85	464.30	290.69

The petitioner has submitted that significant gap between the approved amount, recovered amount and approved amount on account of O&M expenses is on account of lower plant availability of PTPS-6, PTPS-7, PTPS-8, RGTPS-1 and RGTPS-2 i.e. 72.01%, 84.93%, 68.73%, 66.05% and 45.76%, respectively, as against the benchmark norm of 85% at which the entire fixed cost including O&M expenses are recoverable. As a corollary any slippage in the annual plant availability reduces the actual recovery of fixed cost.

Further, increase in employee cost is attributable to increase in uncontrollable expenses towards terminal liabilities. Whereas, increase in R&M expenses is primarily attributable to increase in water charges on account of change in law (Rs. 36.80 crore), cost of operating coal handling plant (Rs. 69.38 crore) and capital overhauling of RGTPS, PTPS and DCRTTP (Rs. 53.94 crore, Rs. 38.71 crore and Rs. 0.81 crore, respectively).

It has been submitted that the Hon’ble Commission approved Employee Cost for the FY 2023-24 at Rs. 651.378 Crore, whereas, the actual employee cost for FY 2023-24, as per audited accounts, is Rs. 761.46 Crore which is

inclusive of net Defined Benefit liability (terminal liability) of Rs. 420.25 Crore as per the 'Actuarial Valuation' Report submitted by the independent actuary viz. M/s A. Balasubramanian, Senior Consultant and Actuary, appointed for carrying out the requisite Actuarial valuation. The trend of Terminal Liability of HPGCL as per the report of the independent Actuary from the FY 2017-18 onwards is as under: -

S. No.	Financial Year	Amount in Cr.
1	2017-18	485.01
2	2018-19	688.45
3	2019-20	356.68
4	2020-21	402.08
5	2021-22	402.07
6	2022-23	526.17*
7	2023-24	420.25

*inclusive of deferred liability of Rs 262.44Cr.

HPGCL has submitted that it is bound by rules and regulations of the State Government pertaining to employee's benefits (pay structure, D.A., annual increment @ 3%). Any revision, in the pay structure of its employees is beyond the control of the HPGCL and falls under Regulation 8.3.8(b). All these factors lead to an increase in the employees cost of HPGCL. Terminal liability is an 'uncontrollable' expenditure under Regulation 8.3(b) of the MYT Regulation 2019 and the same is therefore admissible for true-up. Accordingly, it has been prayed that this Hon'ble Commission may allow the actual employee cost on proportionate basis on the basis of actual recovery (i.e. $545.69/651.378=83.78\%$) amounting to Rs 285.87 Cr (83.78% of Rs. 341.21 Cr) along with actual terminal liability of Rs 420.25 Cr., arriving at the true-up claim of Rs 160.43 Cr (i.e. Rs 420.25 Cr+ Rs 285.87 Cr-Rs 545.69 Cr).

The petitioner has averred that O&M expenses, other than employee cost, i.e. R&M and A&G expenses approved by the Commission for the FY 2023-24 was Rs 200.141 Crore & Rs 28.692 Crore, respectively. However, the amount recovered by HPGCL has been Rs. 172.84 Cr and 24.02 Cr, respectively. The actual R&M and A&G expense for the year is Rs. 416.27 Cr (excluding solar business of Rs 0.92 Cr and SLDC charges of Rs. 6.02 Cr) and Rs 29.12 Cr., respectively.

HPGCL has submitted that increase in R&M amount is primarily attributable

to the following factors: -

- a) Increase in water charges on account of notification of Haryana Water Resources (Conservation, Regulations and Management) Authority, Panchkula (herein referred as “HWRA”), which was identified as “Change in law” by the Hon’ble Commission vide order dated 25.01.2023, and directed to claim the difference under True -Up (Page 65 of order dated 25.01.2023). The claim of an increase in water charges on account of Change in law is amounting to Rs 36.80 Cr which 50% of the actual expense of Rs 73.60Cr (as per note 36 of the balance sheet).
- b) The cost of operating of coal handling plant of Rs 69.38 Cr. The petitioner has submitted that the Coal Handling plant (CHP) expense amounting to Rs 69.38 Cr has been booked under O&M expense and claimed as such. However, it has been submitted that an appeal filed in the Hon’ble Appellate Tribunal for Electricity, in the matter, is presently pending for adjudication.
- c) Excess expenditure made by HPGCL on account of the capital overhauling of HPGCL Units amounting to Rs 53.94 Cr for RGTPP, Rs 38.71 Cr for PTPS and Rs 0.81 Cr for DCRTTP.

The petitioner has prayed that the Hon’ble Commission may allow the true up of the O&M expenses amounting to Rs. 290.69 crore (Employee cost of Rs 160.43 Cr, R&M expenses of Rs 130.26 Cr. comprising of Water charges of Rs 36.80 Cr and Capital overhauling charges of Rs 93.46 Cr).

3.2 True-up of Depreciation

HPGCL has submitted that actual depreciation amount of HPGCL for the FY 2023-24, as per the audited accounts, excluding solar business of Rs. 3.91 crore, is Rs 219.36 Cr. The Hon’ble Commission, in its orders dated 31.10.2018 & 07.03.2019, has estopped HPGCL from claiming depreciation on spares and dismantling cost on account of IndAS. It has been submitted by HPGCL that depreciation on capitalization of spares and decommissioning cost for FY 2023-24 in accordance IndAS, works out to Rs. 4.25 Cr & Rs. 8.33 Cr. respectively. Thus, HPGCL in compliance with aforesaid directives, has excluded a sum up to Rs 12.58 Cr. (4.25+8.33) from its true up claim of Depreciation. Accordingly, the net allowable Depreciation for the FY 2023-24,

exclusive of solar business, and depreciation on spares and decommissioning cost works out to Rs. 206.78 Cr (219.36-12.58). The HERC approved depreciation for the FY 2023-24 was Rs. 217.86 Cr.

The variation in the approved depreciation and net allowable depreciation for the FY 2023-24 is presented in the table below: -

Rs. Crore									
S. No	Unit	Approved	Actual as per audited accounts*	Dep. on GAAP Spares	Dep. on account of Ind AS	Net allowable dep. G=(D-E-F)	Recovered Dep.	Variance I=(G-H)	True up claimed J
A	B	C	D	E	F	G	H	I	J
1	PTPS-6	2.02	2.10	0.08	1.31	0.71	1.71	-1.00	-1.00
2	PTPS-7-8	57.75	56.88	0.47	4.30	52.11	52.44	-0.33	-0.33
3	DCRT PS 1-2	56.47	57.70	1.22	1.42	55.06	56.47	-1.41	-1.41
4	RGTP S 1-2	95.81	96.92	2.48	1.30	93.14	62.69	30.47	30.47
5	Hydel	5.81	5.76	0	0	5.76	5.40	0.36	0.36
	Total	217.86	219.36	4.25	8.33	206.78	178.71	28.07	0

HPGCL has submitted that it could not recover Rs 28.07 Crore against the actual depreciation of the HPGCL Units due to shortfall in the availability of RGTPS vis-à-vis the regulatory norms. However, the interpretation of the applicability of Regulation 13.4 of HERC MYT Regulations, 2019, on the generator is pending before APTEL for adjudication. Thus, as the matter is sub-judice and the actual recovery of the depreciation is less than the approved one, HPGCL has not claimed/offered true-up of depreciation.

3.3 True-up of Interest Expenses

The petitioner has submitted that as against the interest and finance charges on loan of Rs. 49.02 Crore approved by the Hon'ble Commission for the FY 2023-24, the actual amount incurred, as per the audited accounts, is Rs. 18.75 Crore (net of interest of Rs. 0.29 Crore on account of Solar Business).

HPGCL has submitted that saving in the Interest and Finance Charges has been achieved due to the restructuring of its loan portfolio & advance payments made by HPGCL by adopting prudent financial management. Refinancing cost of such restructuring has already been allowed and adjusted by the Hon'ble Commission in its previous Tariff Orders.

Interest and Finance charges for FY 2023-24 as per pre-restructuring Loan portfolio (excluding solar business) is as under: -

(Rs. Cr.)

Particulars	Rate of Interest	Opening Bal	Drawls during the year	Repayments during the year	Closing Balance	Interest during the year
GPF Bonds	7.10%	20.35	0.00	6.78	13.56	1.20
SBI DCRTPS YNR – PFC takeover	12.50%	150.74	0.00	120.64	30.10	11.30
REC	12.25%	274.84	0.00	75.60	199.24	29.04
State Bank of India (RGTPS) – PFC Takeover	11.45%	235.02	0.00	101.64	133.38	21.09
APDP Loan	12.50%	2.66	0.00	0.15	2.52	0.33
Punjab National Bank (REC Takeover)	12.25%	61.21	0.00	20.52	40.69	62.24
NABARD	5.25%	11.49	0.00	11.49	-	0.30
Total		756.30	0.00	336.82	419.48	69.51

* Total Interest during the year as per the submissions of the petitioner, excluding solar business, is Rs. 69.22 Cr (Rs. 69.51 crore – Rs. 0.29 crore)

Actual Loan Portfolio and Int. & Fin. Charges for FY 2023-24 (Rs. Cr.)

Particulars	Rate of Interest (%)	Opening Bal	Additions during the year	Repayments during the year	Closing Balance	Interest during the year
GPF Bonds	7.10	20.35	0.00	6.78	13.56	0.97
REC	7.75	226.75	0.00	75.60	151.15	17.77
APDP Loan	12.50	2.66	0.00	0.15	2.52	0.01
NABARD*	5.25%	11.49	0.00	11.49	-	0.29
Total		261.25	0.00	94.02	167.23	19.04 *

* Rs. 18.75 Crore (net of interest of Rs. 0.29 Crore on account of Solar Business)

HPGCL has submitted that it is proposing to pass on 50% of the savings on interest and finance charges to the beneficiaries i.e. Haryana Discoms on account of restructuring of loan and to consider the true up of interest & finance charges as given in the table below: -

(Rs. Crore)

Particular	Approved interest & Finance Charges	Actual interest & Finance Charges	Pre-restructuring interest & Finance Charges	Savings on account of restructuring of loan	Allowable interest & Finance charges	Recovered by HPGCL	True-up
1	2	3	4	5= 4-3	6=3+50 % (5)	7	8=6-7
Int.& Fin. Charges (A)	49.02	18.75	69.22	50.47	43.98	35.19	8.79
Int. On Normative Debt(B)	0	0.23	0		0.23		0.23
Total True up of Int.& Fin. Charges(A+B)	49.02	18.98	69.22	50.47	44.21	35.19	9.02

HPGCL therefore, has requested to true-up of interest & finance charges to the tune of Rs 9.02 Cr.

3.4 True-up of Return on Equity (RoE)

The petitioner has submitted the details of opening equity, equity addition and required return of equity considered, unit-wise, for the FY 2023-24, as under:

Rs. Crore				
Plants	Opening	Additions	Closing	RoE
PTPS – 6	156.882	0.20	157.079	18.32
PTPS – 7	218.089	0.24	218.326	25.46
PTPS – 8	218.309	0.24	218.550	25.49
DCRTP-1	251.680	0.05	251.728	29.37
DCRTP-2	251.630	0.05	251.728	29.37
RGTP-1	496.468	0.15	496.621	57.95
RGTP-2	494.593	16.00	510.591	58.65
Hydel	18.355	-	18.355	2.33
Total	2,106.007	16.927	2122.934	246.94

Rs. Crore				
HERC Approved RoE(A)	Actual (B)	Recovered (C)	Variance in RoE cost (B-C)	True-up (E)
246.66	246.94	199.11	47.83	0.23

HPGCL has submitted that the approved RoE as per the Commission's order dated 25.01.2023, stands at Rs 246.66 Crore, whereas the revised RoE after yearly equity infusion is Rs 246.94. The recovered RoE on the basis of availability is Rs 199.11. Thus, on the basis of proportionate to recovery, the actual recovery on the basis of availability needs to be Rs 199.34 Cr $((199.11/246.66)*246.94)$. HPGCL therefore, has requested that the difference of Rs 199.34 Cr-199.11 Cr = Rs 0.23 Cr may be allowed.

3.5 True-up of cost of Secondary Fuel Oil (SFO)

HPGCL has submitted that the Hon'ble Commission in its order dated 25.01.2023, had directed that secondary fuel oil does not form part of true up and needs to be adjusted as per Regulation 29 of the HERC MYT Regulations. Hence, cost of Oil has not been proposed under True -up.

3.6 True up of interest on working capital (IWC)

HPGCL has submitted that the Hon'ble Commission, in its Order dated 25.01.2023, regarding generation tariff for the FY 2023-24 had allowed interest on working capital amounting to Rs. 155.951 crore, considering average price of coal and oil, as proposed by it. However, there has been variation in price of coal and oil during the FY 2023-24. Therefore, while computing the truing-up of working capital for the FY 2023-24, the actual rate of coal prevailing in FY 2023-24 has been considered.

Due to variation in Fuel prices, the actual interest on working capital for the FY 2023-24, as per the approved norms of the Hon'ble Commission, has increased to Rs 156.221 Cr as against the approved interest on working

capital of Rs 155.951 Cr, as presented in the table below:

Rs. crore

S. No.	Particular	HERC Approved IWC (Rs. Cr) @ 9.80%	Normative (Revised) IWC (Rs. Cr) @ 10% *
1	Coal Stock	642.824	628.247
2	Oil Stock	6.86	6.860
3	O&M Expenses	73.351	73.351
4	Maint. Spares	89.48	89.480
5	Receivables	778.826	764.271
6	Total W/C Requirement	1591.341	1562.209
	Int. on W/C	155.951	156.221

*W.e.f.: 01.04.2023

The table below summarizes True-up of interest on working capital for FY 2023-24.

Rs. crore

Particular	HERC Approved IWC (Rs. Cr.) @ 9.80% (A)	Normative IWC (Rs. Cr.) @ 10% (B)	Actual Audited IWC (C)	Recovered IWC (D)	True-up Rs. Cr. E=C-D
Interest on working capital	155.951	156.221	129.69	125.85	0.22

HPGCL has submitted that the working capital has also been claimed on proportionate basis, as the rate of interest has been revised 01.04.2023 @ 10%, thus, the approved rate of interest on working capital has been revised from Rs 155.951 Cr (@9.80%) to Rs 156.221 Cr (@10%). HPGCL therefore, has requested that the difference Rs 0.22 Cr, on account of revision of charges (i.e. $((125.85 \times 156.221 / 155.951) - 155.951)$), may be allowed as true-up.

3.7 Non-Tariff Income

Detail of Other Non-operating income included in the 'other income' as per the Audited Balance Sheet for the FY 2023-24 is as under:

Non-Tariff Income for FY 2023-24 (Rs. Cr.)

Particulars	Amount (Rs. in crore)
Income from sale of scrap	4.46
50% of other income	1.015
Total	5.475

HPGCL has submitted that certain under recoveries are on account of metallurgical degradation due to past meagre scheduling by the Discoms, which leads to under recovery of some tariff components under fixed cost. Accordingly, HPGCL has prayed that it may be allowed to retain the non - operating income to cushion the impact of under recoveries.

3.8 Total True-up for the FY 2023-24

A summary of the True-up claims as proposed by the HPGCL is presented in the table below: -

(Rs. Crore)						
O&M Expenses	Depreciation	IWC	Interest & Fin. Charges	RoE	Non-Tariff Income	Total True-up (Cr.)
290.69	-	0.22	9.02	0.23	-	300.16

In addition to the above claim, the petitioner has prayed that the Hon'ble Commission may allow carrying cost on the trued-up amount as per the MYT Regulations along with late payment surcharge, in the case of any delay in realization of payments beyond the stipulated time from the DISCOMs in accordance with regulation 43 of the HERC MYT Regulation 2019.

4 Business Plan for the control period from FY 2025-26 to FY 2029-30.

HPGCL has submitted its Business Plan for control period FY 2025-26 to FY 2029-30, in conformity with Regulation 10 of Haryana Electricity Regulatory Commission (Terms and Conditions for Determination of Tariff for Generation, Transmission, Wheeling and Distribution & Retail Supply under Multi Year Tariff Framework) Regulations, 2024, as under: -

4.1 Proposed Efficiency Improvements Measures

HPGCL has submitted that it has embarked on a mission to improve the efficiency of its thermal power stations and to bring down the cost of generation, as explained hereunder: -

- a) Based on the O&M practices being followed at NTPC Thermal Power Stations, an Operation Review Team (ORT) comprising of experts in various fields of power plant operation & maintenance, from HPGCL and Ex-NTPC experts, has been constituted. The ORT is required to visit each power plant every month and analyze the performance parameters, cost, heat rate, efficiency and safety at a micro level. The target of ORT is to bring the operating parameters, as close to the Technical Norms of MYT, as possible.
- b) The Chief Engineers of power stations are taking Daily Plant Meetings with the officers, to closely monitor the performance parameters and for sorting out day to day problems quickly. Measures to improve the efficiency of the power stations and the methodology of their implementation are also discussed in these meetings.

- c) The Boiler Knowledge Team (BKT) comprising of boiler engineers from PTPS, DCRTTP and RGTPP was constituted to inspect the quality of work to be undertaken during overhauling of the units so as to ensure improvement in performance of the unit after overhauling. The BKT also analyses the problems of boiler. After constitution of BKT, the quality of inspection and overhauling works relating to Boiler has improved.
- d) Turbine Knowledge Team (TKT) comprising of Turbine engineers from PTPS, DCRTTP and RGTPP was constituted to inspect the quality of work to be undertaken during overhauling of the units. The TKT also analyses the problems of Turbine.
- e) C&I Knowledge Team (CIKT) comprising of C&I engineers from PTPS, DCRTTP and RGTPP was constituted to find solution to the problems relating to C&I system, being faced in the Power Stations of HPGCL.
- f) Fuel Knowledge Team (FKT) comprising of officers from PTPS, DCRTTP, RGTPP and Head Office has been constituted, to look out flexibility of use of coal being supplied by various coal companies at HPGCL thermal power stations, for getting cheapest cost per KWH plant wise. It will help in reducing the cost of coal and subsequently cost of generation.
- g) Ash Knowledge Team (AKT) comprising of officers from PTPS, DCRTTP, RGTPP and Head Office has been constituted, to maximize utilization of the dry ash & pond ash from HPGCL Power Stations.
- h) Electrical Knowledge Team (EKT) comprising of officers from PTPS, DCRTTP, RGTPP has been constituted to find solution to the problems relating to Electrical system, being faced in the Power Stations of HPGCL.
- i) Chemical Knowledge Team (CKT) comprising of officers from PTPS, DCRTTP, and RGTPP has been constituted to find solutions to the problems relating to Chemical Division, being faced in the Power Stations of HPGCL.
- j) Coal Handling Plant Knowledge Team (CHPKT) comprising of officers from PTPS, DCRTTP, and RGTPP has been constituted to find solutions to the problems relating to Coal Handling Plant, being faced in the Power Stations of HPGCL.

4.2 Plan for reduction /saving in Operation cost of Generation:

- a) Coal cost is a major contributing factor in generation cost per unit. Thermal power stations of HPGCL are getting coal from different collieries of different coal companies i.e. CCL, BCCL, MCL & NCL. In order to reduce the coal cost, HPGCL is making continuous efforts to maximize the supply of cheaper coal of good quality specifically Non-Coking Coal of G-9 to G-11 grades.
- b) NCL coal is most preferred coal to HPGCL plants. In order to reduce the landed cost, HPGCL has rationalized coal linkage from WCL, ECL & MCL to NCL & BCCL.
- c) Loss of coal in transit and levy of Penalty on Overloading (POL) & Under loading (PUL) also cause rise in landed coal cost. To eradicate these factors, HPGCL has engaged coal agent. At present transit loss HPGCL as a whole is below norms. Further, to reduce POL & PUL, penalty Clause has been incorporated in the work order of Coal Agent. Due to which, the penalty on account of overloading and under loading is being reduced.
- d) To get more supply of G-9 to G-11 grade coal, a provision of Incentive Clause has also been incorporated in the work order of Coal Agent. At present, HPGCL is getting more coal of G-9 to G-11 grade as compared to previous years.

4.3 **IT initiatives, Third party energy Audit:**

- a) **ERP Implementation:** Enterprise Resource Planning (ERP) is at final stage of implementation in HPGCL Power Stations and Corporate office Panchkula. This system will reduce the need to manually enter information and streamline various processes & makes it easier and more efficient to collect data. The system will also help in controlling and reducing overall inventory.
- b) **Third Party Energy Audit:-** Energy Audit of 2x300 MW, DCRTTP and 210 MW Unit 6, 2x250 MW Unit 7&8, PTPS has been carried out by M/s Energy Consultancy Services, Bhubaneswar Odisha during Jan., 2022 & Sept., 2024 respectively. The next energy Audit of 2x300 MW, DCRTTP will be carried in Jan'2025. Energy Audit of 2x600 MW RGTPP, Khedar has been got conducted through M/s Operative Save Urja Solutions Pvt. Ltd, New Delhi during July & October 2024. The feasible recommendations of the Audit Report are under implementation.

4.4 **Future Plans of HPGCL**

4.4.1. **Canal Top Solar Projects on Irrigation Canals by HPGCL:** During the meeting held on 06.07.2022, Worthy ACS/Irrigation consented for installation of Solar Projects at Irrigation Canals by HPGCL. Accordingly, matter was pursued with Irrigation & Water Resource Department (I&WRD), Haryana and I&WRD has given its consent for installation of solar projects on 06 no. canals. The officers of Tehri Hydro Development Corporation India Limited (THDCIL) visited Urja Bhawan on 29.07.2024 and offered their support for making Feasibility Report (FR). The detailed inputs of Canals as required by THDCIL was supplied on dated 06.09.2024.

THDCIL vide email dated 30.09.2024 confirmed that they have forwarded the necessary inputs received from HPGCL to their consultant for a pre-feasibility assessment. Once the pre-feasibility assessment is complete, they will submit their proposal for the comprehensive feasibility study.

4.4.2. **Floating Solar on HPGCL Reservoir:** On 28.08.2024, BHEL held a meeting with HPGCL and showed interest regarding installation of Floating solar plant on Raw Water Reservoirs in HPGCL plants. BHEL visited RGTPP site on 02.09.2024 to study the feasibility of setting up of Floating Solar plant on Raw Water Reservoir of RGTPP. Subsequently, BHEL has submitted offer in this regard on 01.10.2024, which is under consideration.

4.4.3. **Setting of battery Energy Storage System:** HPGCL requested SAREP to prepare a comprehensive project report to initiate BESS pilot projects in Haryana at Faridabad, Yamuna Nagar, Panipat and Hisar. SAREP has submitted a draft report in this regard identifying the tentative capacity to be installed at each station. SAREP has identified the feasibility of approx. 540MWh of capacity in the existing locations. HPGCL has presently sought certain more clarification on the financial viability and options of VGF in the matter. Thus, once the necessary clarifications be made, the matter may be proceeded further accordingly.

4.4.4. **Status of Development of kalyanpur-Badalpara Coal Block:** Ministry of Coal (MoC) allocated Kalyanpur-Badalpara Coal Block to HPGCL on 24.02.2016. The Government of Haryana has appointed the MDO in the matter for exploration / Mine developer cum operator.

4.4.5. **1x800 MW Supercritical Thermal Unit at DCRTPP:** The tender of the Unit has been awarded to M/s BHEL and the Unit is expected to be commissioned

by in FY 2029-30. The MOC has also allocated the tapered linkage of 37.1Lakh MT for the said project.

4.4.6. **1x800 MW Supercritical Thermal Unit at RGTPP:** The Government of Haryana has accorded the in principle approval for setting up of 1x800MW supercritical at RGTPP. Accordingly, the Detailed Feasibility Report (DFR)/ Detailed Project Report (DPR) has been prepared and appointment of Consultant for the project is under consideration.

4.4.7. **2x800MW Super Critical Thermal Units at PTPS:** The Government has given in-principle approval to have 2x800MW of thermal units at existing location of PTPS. The process for preparing of the DPR has been initiated.

4.4.8. **Life Extension of PTPS existing Units till 2034:** In the past ARR filing, HPGCL has already submitted the decision of the Government to retain the existing PTPS 6,7&8 Unit as per the advice of CEA till 2034. HPGCL has initiated the RLA studies for the same and shall apprise the associated activities for upkeeping of units for the said duration. HPGCL shall apprise the Hon'ble Commission on the expenditure to be carried in the matter in due course of time after completion of the RLA activities.

HPGCL has requested to take the note of the above, and approve the Business plan for HPGCL for the control period of FY 2025-26 to 2029-30.

5 Proposals of technical and financial parameters for the control period from FY 2025-26 to FY 2029-30.

5.1 Proposed technical Parameters:

HPGCL has submitted its technical parameters expected to be achieved during the control period from FY 2025-26 to FY 2029-30, in conformity with HERC MYT Regulations, 2024, are tabulated as under:

5.1.1 Generation Forecast of HPGCL Units: -

<i>PANIPAT THERMAL POWER STATION, PANIPAT (ALL figures are in MU)</i>					
Unit No.	FY 2025-26	FY 2026-27	FY 2027-28	FY 2028-29	FY 2029-30
210 MW Unit-VI	1563.66	1563.66	1567.94	1563.66	1563.66
250 MW Unit-VII	1861.50	1861.50	1866.60	1861.50	1861.50
250 MW Unit-VIII	1861.50	1861.50	1866.60	1861.50	1861.50
PTPS-II (710 MW)	5286.66	5286.66	5301.14	5286.66	5286.66
<i>B. DCRTTP, YAMUNA NAGAR.</i>					
300 MW Unit-I	2233.80	2233.80	2239.92	2233.80	2233.80
300 MW Unit-II	2233.80	2233.80	2239.92	2233.80	2233.80
Station	4467.60	4467.60	4479.84	4467.60	4467.60

<i>C. WYC Hydro Electric PROJECT, YAMUNANAGAR</i>					
6x8MW+2x7.2MW	235.05	235.05	235.69	235.05	235.05
<i>D. 1200 MW RGTPP, HISAR</i>					
600 MW Unit-I	4467.60	4467.60	4479.84	4467.60	4467.60
600 MW Unit-II	4467.60	4467.60	4479.84	4467.60	4467.60
Station	8935.20	8935.20	8959.68	8935.20	8935.20
HPGCL	18924.51	18924.51	18976.36	18924.51	18924.51

5.1.2 Projected NAPAF

Power Plant	FY 2025-26	FY 2026-27	FY 2027-28	FY 2028-29	FY 2029-30
PTPS 6	85%	85%	85%	85%	85%
PTPS 7	85%	85%	85%	85%	85%
PTPS 8	85%	85%	85%	85%	85%
DCRTPP 1	85%	85%	85%	85%	85%
DCRTPP 2	85%	85%	85%	85%	85%
RGTPP 1	85%	85%	85%	85%	85%
RGTPP 2	85%	85%	85%	85%	85%
WYC Hydel	43%	43%	43%	43%	43%

5.1.3 Proposed Auxiliary Consumption as per MYT

Power Plant	FY 2025-26	FY 2026-27	FY 2027-28	FY 2028-29	FY 2029-30
PTPS 6	9.00%	9.00%	9.00%	9.00%	9.00%
PTPS 7	8.50%	8.50%	8.50%	8.50%	8.50%
PTPS 8	8.50%	8.50%	8.50%	8.50%	8.50%
DCRTPP 1	8.50%	8.50%	8.50%	8.50%	8.50%
DCRTPP 2	8.50%	8.50%	8.50%	8.50%	8.50%
RGTPP 1	6.00%	6.00%	6.00%	6.00%	6.00%
RGTPP 2	6.00%	6.00%	6.00%	6.00%	6.00%
WYC Hydel	1.00%	1.00%	1.00%	1.00%	1.00%

5.1.4 Proposed SHR as per MYT

Power Plant	FY 2025-26	FY 2026-27	FY 2027-28	FY 2028-29	FY 2029-30
PTPS 6	2550	2550	2550	2550	2550
PTPS 7	2500	2500	2500	2500	2500
PTPS 8	2500	2500	2500	2500	2500
DCRTPP 1	2344	2344	2344	2344	2344
DCRTPP 2	2344	2344	2344	2344	2344
RGTPP 1	2387	2387	2387	2387	2387
RGTPP 2	2387	2387	2387	2387	2387

5.1.5 Proposed Specific Fuel Oil Consumption as per MYT 2024

Power Plant	FY 2025-26	FY 2026-27	FY 2027-28	FY 2028-29	FY 2029-30
PTPS 6	1.00	1.00	1.00	1.00	1.00
PTPS 7	0.50	0.50	0.50	0.50	0.50
PTPS 8	0.50	0.50	0.50	0.50	0.50
DCRTPP 1	0.50	0.50	0.50	0.50	0.50
DCRTPP 2	0.50	0.50	0.50	0.50	0.50
RGTPP 1	0.50	0.50	0.50	0.50	0.50

RGTPP 2	0.50	0.50	0.50	0.50	0.50
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5.2 Proposed Financial Parameters:

Expenditure Related Assumptions: -

- a) **Gross Calorific Value:** The Gross Calorific value (GCV) of Coal and Oil has been taken as per the actual GCV upto Sept.2024.
- b) **O&M Expenses:** HPGCL has considered O&M Expense of FY 2025-26 as base figure from MYT Regulation 2024 for projecting expenditure for the Control Period from FY 2025-26 to FY 2029-30. However, its Employee Expenses have been apportioned in other running plants of HPGCL. The O&M expense has been escalated at rate of 5.47 % as per HERC MYT Regulations, 2024. For purpose of tariff determination, the O&M norms of HERC MYT Regulation, 2024 has been considered.
- c) **Depreciation:** Depreciation for the business plan period is considered according to the depreciation rates provided in the HERC MYT Regulations, on the average of the opening and closing gross block of assets. For plants less than 12 years, depreciation has been considered based on historical rate of depreciation on GFA. For plants more than 12 years remaining depreciable amount has been spread uniformly in balance useful life of the plant. For the assets capitalized during the Control Period, the depreciation has been considered uniformly over the remaining life of the plant.
- d) **Capital Structure, Return on Equity and interest on loan:** Return on Equity (RoE) has been considered as 12% for control period. The repayment of loans added during the control period have been considered uniformly over the remaining lives of the plants. Interest on loan have been considered at actual weighted average interest rate of FY 2024-25.
However, the of capital expenditure has not been considered in the projection of Business plan in view of the Regulatory provisions considering the rapid change in the technology and its expenditure as submitted by HPGCL in the Capex plan as well as in its tariff petition for FY 2025- 26.
- e) **Working Capital:** Working capital has been considered as per the norms specified in HERC MYT Regulations, 2024 at the prevailing interest rate as per MYT Regulation for the control period.
- f) **Fuel Price Assumptions:** Base fuel prices are considered as per actual weighted average landed price of fuel up to Sept, 2024. No escalation in the

Coal Price and Secondary Fuel Oil Prices has been considered for projecting the fuel price over the Control Period.

- g) **Repayment of Long Term Loans:** The period of repayment for new loan has been considered as 12 years or remaining life of the plant which-ever is less.

5.3 Projected Profit and Loss account

HPGCL has submitted its projected profit and loss account for the control period i.e. FY 2025-26 to FY 2029-30, as under: -

Rs. in crore

Year ending 31 st March	FY 2025-26	FY 2026-27	FY 2027-28	FY 2028-29	FY 2029-30
Income (Sale of Power)					
Thermal	9,378.03	9,432.66	9,516.09	9,560.88	9,630.22
Hydro	40.30	42.50	44.83	47.28	49.87
Total	9,418.33	9,475.16	9,560.92	9,608.16	9,680.09
Expenditure					
Primary Fuel cost	7,511.51	7,511.51	7,532.09	7,511.51	7,511.51
Secondary Fuel Cost	76.48	76.48	76.48	76.48	76.48
O&M Cost	1,150.80	1,213.72	1,280.13	1,350.17	1,423.97
Total	8,738.79	8,801.71	8,888.70	8,938.16	9,011.96
PBITDA	679.53	673.45	672.22	669.99	668.13
Depreciation	223.00	223.00	223.00	223.00	223.00
PBIT	456.53	450.45	449.22	446.99	445.13
Interest on Loan	4.78	0.26	0.25	0.23	0.21
Interest on WC	168.77	170.46	172.24	174.12	176.10
Profits Before Tax (PBT)	282.98	279.73	276.73	272.64	268.82
Tax Payable	-	-	-	-	-
Profit After Tax (PAT)	282.98	279.73	276.73	272.64	268.82
Expected Dividend	255.75	255.75	255.75	255.75	255.75
Retained Earnings	27.23	23.98	20.98	16.89	13.07

Note:

- HPGCL opt to pay tax under the provisions of section 115BAA of the income tax Act, 1961 as the ~~same~~ grant exemption to the corporation from payment of MAT (Advance Tax).
- The Business Plan is exclusive of FGD implication in terms of operation/ capex.
- The Business Plan projections are based on Normative PLF and excluding any capital expenses.
- The above plan is of excluding solar business.

5.4 Projected Balance Sheet

HPGCL has submitted its projected Balance Sheet for the control period i.e. FY 2025-26 to FY 2029-30, as under: -

Rs. in crore

Year ending 31 st March	FY 2025-26	FY 2026-27	FY 2027-28	FY 2028-29	FY 2029-30
Assets					
Gross Fixed Assets	7,022.86	6,966.97	6,966.97	6,966.97	6,966.97
Accumulated Depreciation	3,800.68	4,023.69	4,246.69	4,469.69	4,692.69
Net Fixed Assets	3,222.18	2,943.28	2,720.28	2,497.28	2,274.28
CWIP	-	-	-	-	-
Other Non Current Assets	1,650.00	1,650.00	1,650.00	1,650.00	1,650.00
Cash	2.00	2.00	2.00	2.00	2.00
Other Current Assets	2,083.36	2,088.10	2,097.80	2,099.18	2,105.17
Inventory	948.50	948.50	951.07	948.50	948.50

Debtors	784.86	789.60	796.73	800.68	806.67
Others	350.00	350.00	350.00	350.00	350.00
Current Assets	2,085.36	2,090.10	2,099.80	2,101.18	2,107.17
TOTAL ASSETS	6,957.54	6,683.38	6,470.09	6,248.46	6,031.45
Equity	3,421.34	3,421.34	3,421.34	3,421.34	3,421.34
Debt - Existing & Sanctioned Loan	2.24	2.10	1.96	1.82	1.68
Retained Earnings	337.16	361.13	382.11	399.01	412.07
Other Non Current Liabilities	736.80	522.65	371.47	215.09	66.21
Short Term Borrowings	1,615.00	1,631.16	1,648.22	1,666.21	1,685.16
Trade Payables	95.00	95.00	95.00	95.00	95.00
Other Current Liabilities	750.00	650.00	550.00	450.00	350.00
Current Liabilities	2,460.00	2,376.16	2,293.22	2,211.21	2,130.16
TOTAL LIABILITIES	6,957.54	6,683.38	6,470.10	6,248.47	6,031.46

6 True up of Capex Plans for the FY 2023-24 and FY 2024-2025.

6.1 It has been submitted by the petitioner that the Hon'ble Commission, vide its Order dated 20.02.2024 (PRO 67 of 2023), had approved CIP as under: -

SNo	Capital Expenditure Work	(Rs. Crore)	
		FY 2023-24	FY 2024-25
1	ERP System and allied works		29.52
2	Data Centre, Data Recovery centre etc. for ERP Solution		6.68
3	Balance Payment to R-Infra against EPC contract for RGTPP, Hisar	4.43	5.00
4	Construction of DAV school in power plant colony for RGTPS Hisar	0.95	0.60
5	Improvement work of Cooling Towers of RGTPP Unit I & II	6.00	
6	Up gradation of C&I system for RGTPP Hisar	9.50	-
7	Procurement of ID fan blades, RGTPP	0.82	
8	Replacement of 03 Nos. Fire Tenders at RGTPP	-	1.77
9	Up gradation of hardware and software of PLC at RGTPP, Khedar, Hisar	3.00	-
10	Work for Supply, Erection, Testing and Commissioning of 02 Nos. ABB make unitrol-6080 Digital Automatic Voltage Regulator (DAVR) for Generator Excitation System and replacement with existing ABB make Unitrol-F DAVR at RGTPP, Khedar, Hisar	2.00	-
11	Construction of First Aid Centre and additional RCC Roof slab of DG Set house at RGTPP, Khedar, Hisar	0.55	
12	Revival of Fire Fighting System of Unit6, PTPS, Panipat	0.600	1.45
13	Replacement of damaged floor and Construction of Roads in PTPS Colony, Panipat as per new norms of Government of Haryana.		0.952
14	Up-gradation of PTPS Unit-6 HMI System of pro-control supplied by M/s BHEL		21.60
15	Energy Management System PTPS Unit- 7-8	1.09	
16	Replacement of 02 Nos. Fire Tenders at PTPS Panipat	0.85	
17	Renovation of centralized AC System of Unit-7&8, PTPS Panipat	1.65	
18	Supply, ETC and 5 years comprehensive ARC of IP based CCTV network camera system at various sites of PTPS	5.65	
19	Township for DCRTTP, Yamunanagar		2.36
20	Purchase of 01 no. Runner Hub without blades and new set of guide vanes-WYC		7.00
21	Replacement of 03 Nos fire tenders at DCRTPS, as the useful life is going to be exhausted	1.91	
22	EV charging Station (06 Nos) at all respective locations (i.e., Plants and		3.2

	Head Quarter), at a tentative cost of Rs 80 lakh for each site having six charging stations, totaling to Rs 3.2 Crore (approximately)		
	TOTAL	39.00	80.132

6.2 The petitioner has submitted that there are certain variations in the actual vis-à-vis approved CAPEX mainly due to revision in the overhauling schedule/ financial prudence and some of the schemes have been completed/surrendered/dropped in the FY 2023-24, as tabulated below:-

Sr No	Completed/Dropped Schemes	2023-24 (Rs. In crore)	2024-25 (Rs. In crore)
7	Procurement of ID fan blades, RGTPP (Completed)	0.82	
17	Renovation of centralized AC System of Unit-7&8, PTPS Panipat (Completed)	1.65	
22	EV charging Station (06 Nos) at all respective locations (i.e., Plants and Head Quarter), at a tentative cost of Rs 80 lakh for each site having six charging stations, totaling to Rs 3.2 Crore (approximately) (Dropped)		3.2
	Total	2.47	3.2

6.3 That in view of the above, the revised schedule of capitalization of the remining capital works is presented below for kind consideration and approval of the Hon'ble Commission.

SNo	Capital Expenditure Work	(Rs. Crore)
		Year 2024-25
1	ERP System and allied works	29.52
2	Data Centre, Data Recovery centre etc. for ERP Solution	6.68
3	Balance Payment to R-Infra against EPC contract for RGTPP, Hisar	9.43
4	Construction of DAV school in power plant colony for RGTPS Hisar	1.55
5	Up gradation of C&I system for RGTPP Hisar	9.50
6	Replacement of 03 Nos. Fire Tenders at RGTPP	1.77
7	Up gradation of hardware and software of PLC at RGTPP, Khedar, Hisar	3.00
8	Work for Supply, Erection, Testing and Commissioning of 02 Nos. ABB make unitrol-6080 Digital Automatic Voltage Regulator (DAVR) for Generator Excitation System and replacement with existing ABB make Unitrol-F DAVR at RGTPP, Khedar, Hisar	2.00
9	Construction of First Aid Centre and additional RCC Roof slab of DG Set house at RGTPP, Khedar, Hisar	0.55
10	Improvement work of Cooling Towers of RGTPP Unit I & II	6.00
11	Revival of Fire Fighting System of Unit6, PTPS, Panipat	2.05
12	Replacement of damaged floor and Construction of Roads in PTPS Colony, Panipat as per new norms of Government of Haryana.	0.952
13	Up-gradation of PTPS Unit-6 HMI System of pro-control supplied by M/s BHEL	21.60
14	Energy Management System PTPS Unit- 7-8	1.09
15	Replacement of 02 Nos. Fire Tenders at PTPS Panipat	0.85
16	Supply, ETC and 5 years comprehensive ARC of IP based CCTV network camera system at various sites of PTPS	5.65
17	Township for DCRTTP, Yamunanagar	2.36
18	Replacement of 03 Nos fire tenders at DCRTPS, as the useful life is going to be exhausted	1.91
19	EV charging Station (06 Nos) at all respective locations (i.e., Plants and Head Quarter), at a tentative cost of Rs 80 lakh for each site having six charging stations,	7.00

	totaling to Rs 3.2 Crore (approximately)	
	TOTAL	113.462

Note: The implication of the NO_x installation is not included in the above table. However, quoted bid price for NO_x installation is 60.50 Cr and the scheme is expected to be completed in the current financial year and the impact of the same will be claimed under the Capex Plan for FY 2024-25 after the completion of the work.

7 Status of FGD (for SO_x) at PTPS, RGTPP & DCRTPP Station:

HPGCL has submitted as under:-

- 7.1 That the Ministry of Environment, Forest and Climate Change (MoEF & CC), Government of India, notified the Environment (Protection) Amendment Rules, 2015 (Amendment Rules, 2015) on 07.12.2015 & dated 19.10.2020 amending/introducing the standards for emission of environmental pollutants to be followed by Thermal Power Plants.
- 7.2 That the following are the amendments made to the existing allowable level of emission: -

Standard for Emission as per New Environment Law

Pollutants (mg/Nm3)	COD before 2003		COD after 2003	
	< 500 MW	> 500 MW	< 500 MW	> 500 MW
Particulate Matter (PM)	100		50	
Sox	600	200	600	200
NOx	600		450	
Hg	0.03			
Sp. Water Cons.(M³/MWh)	3.5			

- 7.3 That the following actions are required to be taken for compliance of new norms: -
- SO_x:** - Flue Gas Desulphurisation (FGD) is required to be installed to control SO_x -levels.
 - NO_x:** - Following are the technologies for control of NO_x levels: -
 - Combustion modifications i.e. installation of low NO_x burners and Separated Over Fire Air (SOFA) Damper.
 - Installation of Selective Catalytic Reduction (SCR) / Selective Non- Catalytic Reduction (SNCR).
 - SPM:** - ESP rectification/up-gradation needs to be carried out to control SPM levels.
- 7.4 That Hon'ble Commission has already granted in-principle approval in HERC/PRO-59 of 2018 vide order dated 07.03.2019 for implementation of New Environmental Norms. HPGCL shall approach the Hon'ble Commission for making pass through of the same after the completion of the work for

seeking pass through of the same.

Reg.: RGTPP & DCRTTP:

- 7.5 That on 15.06.2020, GoH decided retendering and allowed participation of only those companies which are registered in India similar to NTPC practice, even if the rates discovered are higher. Accordingly, fresh e-NITs on Domestic Competitive Bidding (DCB) mode were issued on 29.09.2020 and the agenda notes were put up in the State Level HPPC meeting held on 12.06.2021.
- 7.6 That after detailed deliberations, the Committee directed that the GoI notification dated 31.03.2021 requires to be thoroughly examined. Accordingly, both the agenda notes were deferred.
- 7.7 That MoEF&CC vide notification dated 05.09.2022 has again revised the timeline for compliance of new environment norms in respect of SOx for Category “C” (RGTPP & DCRTTP Units) upto 31.12.2026.
- 7.8 That Govt. of Haryana accorded administrative approval for retendering on 03.08.2023. Accordingly, e-NITs on DCB mode were floated on 04.09.2023.
- 7.9 That in case of RGTPP Hisar, the due dates for submission of bids have been extended.
- 7.10 That while awarding the work for setting up of 1x800 MW coal-based expansion unit at DCRTTP, Yamuna Nagar to BHEL on EPC basis, the High Powered Works Purchase Committee, Haryana (HPWPC) in its meeting held on 05.02.2024 under the Chairmanship of Hon’ble CM/Haryana decided that FGD common systems of 800 MW shall be de-scoped from the scope of BHEL. The common auxiliaries i.e. Limestone handling system, Gypsum handling system, milling system etc. will be common for 800 MW expansion unit as well as for existing 2x300 MW DCRTTP Units.
- 7.11 That in view of the above, the auxiliaries of FGD system of 800 MW Expansion unit excluded from the scope of M/s BHEL contract are required to be clubbed with the FGD system of existing 2x300 MW DCRTTP, Yamuna Nagar. Accordingly, work order has been issued on M/s DCPL, Kolkata for engaging as Consultant for Revision of Scope of Work for FGD System for 2x300 MW DCRTTP Yamuna Nagar (e-NIT dated 04.09.2023). The final proposal of revision of the scope of work and tender documents shall be finalized shortly.
- 7.12 That in case of DCRTTP, Yamuna Nagar, the due dates for submission of bids have been extended.

Reg. Panipat Thermal Station (Unit 6,7 &8):

- 7.13 That keeping in view the GoH decision dated 15.06.2020 regarding retendering for installation of FGD at RGTPP & DCRTTP, fresh e-NIT (s) were issued on DCB mode for Unit-6, and Unit-7&8 PTPS Panipat units on 29.09.2020 with approval of Hon'ble Energy Minister, Haryana.
- 7.14 That the agenda note for Unit-7&8 was put up in the HPPC meeting held on 12.06.2021 for award of work. After detailed deliberations, the Committee directed that the GoI notification dated 31.03.2021 requires to be thoroughly examined and deferred the agenda. Subsequently, the agenda note for award of work for Unit-6 was placed before WTDs HPGCL in the meeting held on 24.03.2021. After detailed deliberations, the Committee decided to defer the case.
- 7.15 That keeping in view of MoEF&CC timelines for compliance of SOx norms and to avoid penalty, e-NIT(s) on Domestic Competitive Bidding (DCB) mode were issued for installation of DSI based FGD System at Unit-6 and Unit-7&8 PTPS Panipat on 18.09.2023. Part-I& Part-II of the e-NITs were opened on 16.01.24 & 23.01.2024 respectively with the approval of worthy MD/HPGCL.
- 7.16 That the agenda(s) in respect of PTPS units were deliberated in High Powered Works Purchase Committee (HPWPC) meeting held on 23.07.2024. After detailed deliberations, the Committee directed that the matter be referred to a committee under the chairmanship of Chairman, HPGCL comprising of ACS (Finance), ACS (Energy), PSCM/Haryana and MD/HPGCL for consideration, negotiation and award of work(s). The committee shall finalize the matter and take approval on the file from the Chairman, SHPWPC-cum-Chief Minister, Haryana before award of work(s) by HPGCL.
- 7.17 That the aforesaid Committee held its meeting on 10.09.2024 and raised certain observations. The matter is presently being under deliberations on the future course of action.

Reg. Status for installation of low NOx Burners at HPGCL Plants

- 7.18 That as per MoEF&CC notification dated 19.10.2020, the timeline for compliance of new environment norms in respect of NOx for Category "A" (PTPS Units) is up to 31.12.2022 and for Category "C" (RGTPP & DCRTTP Units) is up to 31.12.2024.
- 7.19 That the case in respect of NOx was placed before the State level HPPC (SHPPC) for consideration and approval. SHPPC has accorded the approval to

allot the tender to the successful bidder. Accordingly, the work has been awarded to M/s ISGEC Heavy Engineering Limited, Noida for an amount of Rs 60.50 Cr including taxes.

7.20 That De-NOx Combustion Modification work at 2x250 MW, Unit #7&8 PTPS, Panipat has been completed in Oct-Dec-2023 and 600 MW Unit-II, RGTPP, Hisar in Nov-2023 to Jan-2024. De-NOx Combustion Modification work at Unit-I, DCRTTP Yamuna Nagar has been started w.e.f. 26.10.2024. Further, De-NOx Combustion Modification work at Unit-I, RGTPP Hisar and Unit-II, DCRTTP Yamuna Nagar shall be carried out in Dec-2024 to March-2025 as per tentative shutdown schedule of units.

7.21 That the contract covers entire scope of the work and the detail breakup of the same is as under: -

S.No	Description	Quoted bid price in INR (in Cr)		
		RGTPP	DCRTTP	PTPS
1	Plant and Equipment including Type Tests charges and mandatory spares	16.908	12.918	12.53
2	Local Transportation including inland insurance and other local costs incidental to delivery of plant & equipment and Mandatory.	0.282	0.21	0.20
3	Installation Services including Erection, insurance covers other than inland transit insurance and other services as specified in the bidding documents.	3.5151	2.4039	2.3042
	Total	20.705	15.532	15.034
4	GST, applicable on Schedules- 1,2,3 not included in bid price	3.73	2.80	2.706
	Grand Total evaluation bid price	24.432	18.3276	17.7404
	Grand Total	60.50		

The above scheme is expected to be completed in the current financial year and the impact of the same will be claimed under the Capex Plan for FY 2024-25 after the completion of the work.

8 Capital Investment Plan (CIP) for the control period from FY 2025-26 to FY 2029-30.

In line with the Regulation 9 of the Haryana Electricity Regulatory Commission (Terms and Conditions for Determination of Tariff for Generation, Transmission, Wheeling and Distribution & Retail Supply under Multi Year Tariff Framework) Regulations, 2024 (HERC MYT Regulations, 2024), HPGCL

has proposed the Capital Investment Plan for the control period FY 2025-26 to FY 2029-30 as under:

(Rs. Crore)

Sr No	Description	2025-26	2026-27	2027-28	2028-29	2029-30
	RGTPS					
1.	Upgradation work of Mill reject handling system, Unit-I & II, RGTPP, Khedar	10.00				
2.	03 nos. ready to fit complete Journal Housing Assembly for Coal Mill HP-1103 for Unit-I	2.10				
3.	Revival of 05 nos. ESP fields and O/H of 59 nos ESP fields of Unit-I	37.20				
4.	Procurement of Complete Battery Bank Lead Acid Plante 220V, 2140AH in Unit-I&II, RGTPP, Khedar		4.00			
5.	Renovation and modernization of firefighting system and fire detection system	16.00				
6.	Construction of interlocking paver block road for making pathway of biomass pellets trucks in the CHP area at RGTPP, Khedar	0.50				
7.	Construction of ladies toilets, rest rooms, washrooms and toilets, duty post site store, parking shed within the plant premises at RGTPP, Khedar	0.65				
8.	Construction of separate barrack for CISF female staff, classroom for training, washrooms, parking sheds, kitchen & boundary wall in CISF area and parking sheds near VIP Guest House & CISF gate, Store rooms for canteen items at RGTPP Colony		1.40			
9.	Providing & fixing firefighting system at residential and non residential buildings at RGTPP Colony		3.00			
10.	Retrofitting works of residential towers type V & VI at RGTPP Colony		15.00			
11.	Modernization of existing Rockwell Automation make Software for enhanced and upgraded Real Time Monitoring & Predictive Maintenance System Installed in Coal Handling Plant & Condensate Polishing Unit at 2x600 MW, RGTPP, HPGCL, Khedar	9.40				
12.	Replacement of outlived Wheel Loader, Capacity 1-7 cubic meter, Make-BEML at 2x600 MW, RGTPP, HPGCL, Khedar	0.70				
13.	Replacement of existing obsoleted / non-operative Online Coal Analyser in respect of CHP, RGTPP, Khedar	1.90				
14.	02 Sets of ID Fan Blades for both Units of RGTPP		1.15			
	PTPS					
15.	Replacement of TG Hall Lift Unit-7&8, PTPS, Panipat with new one	0.40				
16.	Construction of shopping complex having 7 nos. Shops, PTPS, Panipat	0.25				
17.	Construction of RCC overhead water tank of 2 Lakh Ltr. Capacity	0.50				
18.	Providing and fixing of Ceramic Glazed ties and repair of damaged floor in houses at PTPS Panipat		3.00			
19.	Development of parks of alongwith construction of walking park at PTPS Panipat			2.50		
20.	Construction of storage shed for biomass pellets in CHM shed for material in O&M Store and shed with concrete flooring for repair of heavy machinery for PTPS Panipat	2.25				
21.	Purchase installation and commissioning of Diesel Generation (DG) Sets for PTPS Panipat	3.30				
22.	Blades of PA & FD Fan of 250 MW, Unit-7	1.60				
23.	2 No. BFP Cartridges of 250 MW, Unit-7	3.00				
24.	SITC WORK of Automatic Fire Suppression System (AFSS (With 3M Novec 1230 (Clean Agent Suppression System) for Electrical MCCs installed for Unit#6 and#5 (for common auxiliaries) PTPS Panipat	6.90				

25.	Supply of upper holding beam for wagon tippler no. 5 and its commissioning CHP-III PTPS Panipat	2.15				
26.	Supply of Slew Bearing for TKIL Make Stacker cum Reclaimer and its commissioning at CHP-III PTPS Panipat	2.90				
	DCRTPP					
27.	Construction of Community hall Building at New Residential Township of DCRTPP.		4.43			
28.	Providing shed for parking of vehicles for Type-III and Type-IV houses at New Residential Township of DCRTPP.	0.50				
29.	Construction of Indoor Badminton Court at New Residential Township of DCRTPP.	1.30				
30.	Replacement of Auto coal sampler and analyzer for CHP, DCRTPP.	1.50				
31.	Procurement of Bulldozer BD155 engine Assembly and transmission assembly for CHP, DCRTPP, HPGCL, Yamuna Nagar.	1.95				
32.	03 no. Transmission assembly with torque converter in 2025-26 & 01 no. Bulldozer Engine Assembly-2026-27		0.85			
33.	Procurement of two no wheel Loaders for CHP DCRTPP, HPGCL, Yamuna Nagar.	1.30				
34.	Procurement of Slew Bearing for Stacker cum-Reclaimer at CHP, DCRTPP, HPGCL, Yamuna Nagar			3.00		
35.	Procurement of Cummins make engine assembly NTA855L for Diesel Locomotive for CHP, DCRTPP, HPGCL, Yamuna Nagar		0.50			
36.	Booking of expenditure for installation, commissioning and procurement of 2500KVA, 11/6.6 KV Transformer & 11 KV, 70 Sqmm, HT Power Cable for establishment of parallel source of power supply from DCRTPP, plant to DCRTPP, new colony.	1.40				
37.	Replacement of existing battery bank (Ni-Cd), 220 VDC, 1450 AH (725AHx2) installed in Unit-II at 2x300 MW DCRTPP.	2.00				
38.	Work for Up-gradation of Ovation DCS System currently operating with Ovation Release Level 3.3.1 on Microsoft Windows 7 for DEH system to the latest Ovation Software release at Unit-II, DCRTPP.		2.50			
39.	Purchase of Voith make ID Fan Hydraulic Coupling installed at Unit-II, DCRTPP		1.00			
40.	Expenditure for purchase of ID fan impeller installed at Unit-II, DCRTPP.		2.10			
41.	Expenditure for work for Capital Overhauling of Boiler & its aux. Turbine & its aux, AHP, Electrical Mtc., C&I Mtc work of Unit-II, DCRTPP.		50.00			
42.	Expenditure for work for annual Overhauling of Boiler & its aux. Turbine & its aux, AHP, Electrical Mtc., C&I Mtc work of Unit-II, DCRTPP.			15.00		
43.	Work for Up-gradation of Ovation DCS System currently operating with Ovation Release Level 3.3.1 on Microsoft Windows 7 for DEH system to the latest Ovation Software release at Unit-I, DCRTPP.	2.95				
44.	Expenditure for work for Annual Overhauling of Boiler & its aux. Turbine & its aux, AHP, Electrical Mtc., C&I Mtc work of Unit-I, DCRTPP.		15.00			
45.	Expenditure for work for capital Overhauling of Boiler & its aux. Turbine & its aux, AHP, Electrical Mtc., C&I Mtc work of Unit-I, DCRTPP.			50.00		
46.	Replacement of existing 2 No. battery bank (Ni-Cd), 220 VDC, 725AH each installed in Unit-I at 2x300 MW DCRTPP.	2.00		2.00		
47.	Expenditure for purchase of 2 no. Gear boxes for coal milling system (06 nos.) installed at Unit-I, DCRTPP	1.00		1.00		
48.	Expenditure for purchase of ID fan impeller installed at Unit-I, DCRTPP.			3.00		
49.	Requirement of vehicle mounted aerial platform for work on height at 2x300 MW, DCRTPP, HPGCL,	0.30				

	YNR.					
50.	Expenditure for procurement of 01 no. truck for O&M Store, DCRTTP, Yamuna Nagar.	0.30				
51.	Expenditure for procurement of 01 no. Fork lift for O&M Store, DCRTTP, Yamuna Nagar.	0.20				
	Hydel					
52.	Capital Overhauling of Machine A1	12.00				
53.	Purchase of 01 no. Stator of 8.0 MW Hydro Machine	15.00				
54.	Replacement of Old Electro Mechanical Relays with new Numericals Relays of Power House A, B & D.			3.90		
55.	Capital Overhauling of Machine D-I		18.00			
56.	Capital Overhauling of Machine D-II			20.00		
57.	Construction of Sewage Treatment Plant (STP) along with rerouting of sewer pipeline & storm water pipe lines at Hydel Colony.	1.00				
58.	Construction of Office building (Admin)	1.50				
59.	Construction of 02 Kms new boundary wall with concertina fencing at Hydel Colony	2.50				
60.	Repair of damaged canal lining between RD-2900 to power house A and RD-11000 to RD-11300 (between power house B&C).			12.60		
61.	Designing fabrication, installation and commissioning of 6 no. Fish belly gates of Power House-A,B & C along with all components.			6.50		
62.	Construction of residential quarters along with laying of water supply & sewerage pipe lines and Sewerage Treatment Plant.		50.00			
63.	Purchase of Truck having Capacity 8-10 Ton	0.30				
64.	Purchase of 01 no. 10 MVA 6.6/66KV Power Transformer	1.50				
65.	CCTV Installations for security purposes at HPGCL Units, as per mandate	20.00				
66.	Replacement of 02 Nos outlived in board final drive of locomotives RGTPP					1.80
67.	Replacement of 02 Nos outlived Transmission of locomotives RGTPP				1.45	
68.	Replacement of Backshoe loader of RGTPP				0.50	
69.	Upgradation/replacement of 02 Nos. Outlived Wheel loaders RGTPP				1.45	
70.	Replacement of 03 Nos. outlived transmission of dozer RGTPP				1.95	
	TOTAL	172.20	171.9	119.5	5.35	1.80

HPGCL has submitted that the above capex timelines are tentative in nature and the same may be preponed or postponed from one financial year to another as per the need basis of the plant during the Control period of MYT Regulation 2024. Accordingly, a request has been made to take the note of the above and approve the Capital Investment Plan for the next Control period i.e. FY 2025-26 to FY 2029-30 with the liberty to modify/ addition of any Capital Investment Plan in future as per the requirement of the circumstances in terms of MYT Regulation 2024.

9 HPGCL's Proposed Technical Parameters for the FY 2024-25 and 2025-26.

HPGCL has submitted that the Hon'ble Commission, in its previous orders, has not carried out any mid-year review. Accordingly, HPGCL is not submitting any tariff impact for the mid-year performance review for FY 2024-

25. Further, the technical parameters for the FY 2025-26 have been proposed in line with the HERC MYT Regulations, 2024.

9.1 NAPAF (Normative Annual Plant Load Factor)

The Historical trend of Deemed Plant Load Factor (%) of HPGCL Units is tabulated as under:

SN	Unit No.	2021-22	2022-23	2023-24	2024-25 (Upto Sept., 24)
1	PTPS 6	95.93	89.81	72.01	86.96
2	PTPS 7	98.19	94.32	84.93	99.05
3	PTPS 8	91.62	85.31	68.73	99.98
4	DCRTPP 1	68.00	95.16	91.63	94.31
5	DCRTPP 2	98.52	87.44	85.58	95.82
6	RGTPP 1	96.12	83.89	66.05	85.38
7	RGTPP 2	0.00*	73.34	45.76	66.20
8	WYC Hydel	95.93	89.81	72.01	86.96

* RGTPP 2 is not available due to rotor issue

HPGCL proposes the NAPAF for all thermal Units for the FY 2024-25 and FY 2025-26 in line with HERC MYT Regulations, in vogue, as under: -

SN	Unit No.	HERC Approved	Proposed	
		FY 24-25	FY-24-25	FY 25-26
1	PTPS 6	85.00%	85.00%	85.00%
2	PTPS 7	85.00%	85.00%	85.00%
3	PTPS 8	85.00%	85.00%	85.00%
4	DCRTPP 1	85.00%	85.00%	85.00%
5	DCRTPP 2	85.00%	85.00%	85.00%
6	RGTPP 1	85.00%	85.00%	85.00%
7	RGTPP 2	85.00%	85.00%	85.00%
8	WYC Hydel	43.00%	43.00%	43.00%

9.2 Auxiliary Energy Consumption

The Historical trend of auxiliary energy consumption (%) of HPGCL Units is tabulated as under:

SN	Unit No.	2021-22	2022-23	2023-24	2024-25 (Upto Sept., 24)
1	PTPS 6	9.33	9.36	9.57	9.55
2	PTPS 7	8.95	9.01	9.08	9.52
3	PTPS 8	8.81	9.14	8.97	9.47
4	DCRTPP 1	8.35	8.48	8.73	8.74
5	DCRTPP 2	8.52	8.40	8.41	8.80
6	RGTPP 1	5.40	5.70	6.16	6.23
7	RGTPP 2	-	5.46	6.23	5.84

HPGCL proposes the auxiliary energy consumption (%) for all thermal Units for the FY 2024-25 and FY 2025-26 in line with HERC MYT Regulations, in vogue, as under: -

SN	Unit No.	HERC Approved	Proposed	
		FY 24-25	FY-24-25	FY 25-26
1	PTPS 6	9.00%	9.00%	9.00%
2	PTPS 7	8.50%	8.50%	8.50%

SN	Unit No.	HERC Approved	Proposed	
		FY 24-25	FY-24-25	FY 25-26
3	PTPS 8	8.50%	8.50%	8.50%
4	DCRTPS 1	8.50%	8.50%	8.50%
5	DCRTPS 2	8.50%	8.50%	8.50%
6	RGTPS 1	6.00%	6.00%	6.00%
7	RGTPS 2	6.00%	6.00%	6.00%
8	WYC HEP	1.00%	1.00%	1.00%

9.3 Secondary Fuel Oil Consumption (SFC)

The Historical trend of Secondary fuel consumption (ml/kwh) of HPGCL Units is tabulated as under:

SN	Unit No.	2021-22	2022-23	2023-24	2024-25 (Upto Sept., 24)
1	PTPS 6	2.42	1.01	1.71	1.38
2	PTPS 7	0.37	0.48	0.52	0.36
3	PTPS 8	0.39	0.42	0.85	0.07
4	DCRTPP 1	0.24	0.20	0.48	0.17
5	DCRTPP 2	0.20	0.22	0.74	0.20
6	RGTPP 1	0.32	0.47	1.09	0.70
7	RGTPP 2	0.00	0.60	1.53	0.76

Secondary fuel consumption (ml/kwh) proposed by HPGCL, for the FY 2024-25 and FY 2025-26, is in line with the HERC MYT Regulations as below: -

S.N	Unit No	HERC Approved	Proposed	
		FY 24-25	FY-24-25	FY 25-26
1	PTPS 6	1.00	1.00	1.00
2	PTPS 7	0.50	0.50	0.50
3	PTPS 8	0.50	0.50	0.50
4	DCRTPS 1	0.50	0.50	0.50
5	DCRTPS 2	0.50	0.50	0.50
6	RGTPS 1	0.50	0.50	0.50
7	RGTPS 2	0.50	0.50	0.50

9.4 Station Heat Rate (SHR)

The Historical trend of SHR (Kcal/kwh) of HPGCL Units is tabulated as under:

SN	Unit No.	2021-22	2022-23	2023-24	2024-25 (Upto Sept., 24)
1	PTPS 6	2541	2531	2530	2535
2	PTPS 7	2474	2484	2486	2494
3	PTPS 8	2482	2487	2492	2489
4	DCRTPP 1	2326	2336	2341	2340
5	DCRTPP 2	2332	2330	2340	2341
6	RGTPP 1	2398	2395	2398	2418
7	RGTPP 2	NA	2390	2421	2394

HPGCL has proposed, SHR for the FY 2024-25 and FY 2025-26, as per norms specified in the HERC MYT Regulations, in vogue, as under: -

S.N	SHR (kcal/kWh)	HERC Approved	Proposed	
		FY 23- 24	FY 23- 24	FY 24-25
1	PTPS 6	2550	2550	2550

2	PTPS 7	2500	2500	2500
3	PTPS 8	2500	2500	2500
4	DCRTPS 1	2344	2344	2344
5	DCRTPS 2	2344	2344	2344
6	RGTPS 1	2387	2387	2387
7	RGTPS 2	2387	2387	2387

9.5 Gross Calorific Value (GCV) and Price of Coal

HPGCL has proposed GCV, cost of coal and Secondary Fuel (Oil) for the FY 2025-26 as per the actual weighted average calorific value of coal and landed cost of oil, during April to September of the FY 2024-25, as under: -

GCV & Coal Cost (FY 2025-26)

Particulars	PTPS-6	PTPS-7 & 8	DCRTPS	RGTPS
Gross Calorific Value of Coal (kcal/Kg)	3379	3375	3142	3233
Average landed cost of coal (Rs. /MT)	5467.3	5597.69	4865.88	5634.08

GCV & Oil Cost (FY 2025-26)

Particulars	PTPS	DCRTPS	RGTPS
Gross Calorific Value of Oil (kcal/l)	10687	10586	10406
Average landed cost of Oil (Rs. /Kl)	76236	75596	74958

9.6 Energy Charge Rate (ECR) / Fuel Cost

HPGCL has computed ECR as per Regulation 31 of the MYT Regulations, 2024, on the basis of actual fuel consumed on blended basis from April, 2024 to September, 2024 as tabulated below: -

HPGCL'S Computation of ECR (FY 2025-26)

Fuel Cost	Generation (Ex-bus)	Per Unit Variable cost
	in MU	Rs/ Unit
PTPS – 6	1422.93	4.599
PTPS – 7	1703.27	4.564
PTPS – 8	1703.27	4.564
DCRTPS 1	2043.93	4.000
DCRTPS 2	2043.93	4.000
RGTPS-1	4199.54	4.457
RGTPS-2	4199.54	4.457

10 Annual Fixed Cost

The petitioner has proposed fixed cost for the FY 2025-26 in line with the HERC MYT Regulations, 2024.

10.1. Operation and Maintenance Expenses (O&M)

HPGCL has submitted that the Commission has notified the norms for O&M Expenses (in Rs. Lac per MW) for the FY 2025-26 under Regulation 28 of HERC MYT Regulations, 2024 as amended from time to time. Accordingly, the O&M expense for FY 2025-26 has been proposed as under: -

S.N	Unit No	HERC Approved	Proposed as per MYT,2024
		FY 24-25	FY 25-26
1	PTPS 6	109.95	120.54
2	PTPS 7	113.998	159.85
3	PTPS 8	113.998	168.48
4	DCRTPP 1	121.663	128.25
5	DCRTPP 2	121.663	143.22
6	RGTPP 1	147.352	162.96
7	RGTPP 2	147.352	167.52
8	WYC	30.027	39.90*
	Total	906.002	1090.72

*Based on audited figure of FY23-24 with escalation of 5.47%

10.2. Depreciation

HPGCL has submitted that the Depreciation for FY 2025-26 has been proposed on the basis of opening GFA as on 01.04.2024 and closing GFA as on 31.03.2026 and after taking into consideration of the earlier disallowances made by the Hon'ble Commission in previous years and also with the additions of the proposed CAPEX Schemes. Opening Gross Fixed Assets for FY 2024-25 is as per the FAR of FY 2023-24 and Closing GFA for FY 2025-26 is after considering the additions of the proposed CAPEX scheme completed in the respective years is tabulated below:

Gross Fixed Assets for FY 2025-26 (Rs. Crore)					
S. N	Unit #	GFA as on 01.04.24	Addition FY 2024-25	Addition FY 2025-26	GFA as on 31.03.2026
1	PTPS – 6	998.30	2.05	1.10	1000.38
2	PTPS – 7	946.07	18.90	15.49	978.11
3	PTPS – 8	957.55	18.90	10.89	981.81
4	DCRTPP-1	1151.03	6.73	12.86	1156.98
5	DCRTPP-2	1146.65	6.73	8.91	1148.65
6	RGTPP-1	2204.17	26.09	63.95	2256.46
7	RGTPP-2	2215.40	26.09	24.66	2228.40
8	Hydel	209.61	7.96	34.33	251.90
	Total	9828.79	113.46	172.21	10114.46

HPGCL has submitted that the Hon'ble Commission, in its earlier order, has disallowed certain capitalization. Accordingly, admissible GFA has been computed, as per details given below: -

Unit	GFA as on 01.04.2024 exclusive of Ind AS	Disallowances – GAAP spares	Allowable GFA as on 01.04.2024	Addition during 2024-25	Allowable GFA as on 01.04.2025	Addition during 2025-26	Allowable GFA as on 01.04.2026

PTPS - 6	998.30	1.07	997.23	2.05	999.28	1.10	1000.38
PTPS - 7	946.07	2.35	943.72	18.90	962.62	15.49	978.11
PTPS -8	957.55	5.53	952.02	18.90	970.92	10.89	981.81
DCRTP-1	1151.03	13.65	1137.39	6.73	1144.12	12.86	1156.98
DCRTP-2	1146.65	13.65	1133.01	6.73	1139.74	8.91	1148.65
RGTPP-1	2204.17	37.76	2166.41	26.09	2192.5	63.95	2256.46
RGTPP-2	2215.40	37.76	2177.64	26.09	2203.73	24.66	2228.40
Hydel	209.61		209.61	7.96	217.57	34.33	251.90
Total	9828.79	111.76	9717.03	113.46	9830.49	172.21	10002.70

The depreciation rate has been applied as per the rate notified in the HERC, MYT Regulations, in vogue. HPGCL has further submitted that the Hon'ble Commission, in its order dated 31.10.2018 & 07.03.2019, had directed HPGCL not to claim depreciation on such disallowed capitalization (spares and decommissioning cost). Thus, HPGCL in compliance with the aforesaid directives has excluded such depreciation. The details are tabulated below: -

Allowable GFA for FY 2025-26 (Rs. In crore)

S.No.	Unit	Actual Depreciation	Depreciation on GAAP spares	Depreciation on account of Ind AS	Net allowable depreciation
A	B	C	D	E	F = C- (D+E)
1	PTPS - 6	6.67	0.08	1.31	5.28
2	PTPS - 7	36.63	0.15	1.82	34.66
3	PTPS - 8	39.01	0.32	2.48	36.21
4	DCRTPP-	31.28	0.61	0.53	30.14
5	DCRTPP-	31.83	0.61	0.89	30.33
6	RGTPP-1	56.48	1.23	0.57	54.68
7	RGTPP-2	59.67	1.23	0.73	57.71
8	Hydel	7.83	-	-	7.83
	Total	269.41	4.25	8.33	256.84

It has been further submitted that the Commission in its Order dated 31.10.2018 had directed HPGCL to maintain a memorandum accounts of allowed capitalization, spares and decommissioning cost capitalized, depreciation and net block of fixed assets. HPGCL has maintained the memorandum accounts as directed by the Hon'ble Commission.

10.3. Interest & Finance Charges

HPGCL has submitted that the Hon'ble Commission has approved loan

portfolio for HPGCL from time to time based on the approved Capex. Further, HPGCL by using its financial prudence has been successful in restructuring its loan portfolio to reduce its interest and finance charges.

It has been submitted that HPGCL is expecting to incur interest and finance charges amounting to Rs 24.78 Cr. in the FY 2025-26 while the interest and finance charges for FY 2025-26 pre-restructuring was Rs 34.78 Cr.

Therefore, saving of Rs 10 Cr (Rs 34.78 – 24.78 Cr.) in the interest and finance charges due to diligence and efficient financial management of HPGCL. According to Clause 21.1 (v) of the HERC MYT Regulations 2024, HPGCL is eligible for incentive on the net savings resulting from restructuring of loan. Accordingly, HPGCL requests the Commission to approve interest expenses including incentive (50% of savings from restructuring) for FY 2025-26.

An amount of Rs. 5.43 crore of the equity contribution has been considered as normative debt @ 8.5% as per Regulation 19.2(b) of the HERC MYT Regulations. The normative interest expense is estimated at Rs 23 lacs. The same has been added to the interest and finance charges for the purpose of tariff computation of FY 2025-26.

The interest and finance charges computed based on the above submissions are presented below:

Interest and finance charges (Rs. Cr.) for FY 2025-26

	Int. & Fin. Charges post restructuring	Int. & Fin. Charges pre-restructuring	Savings due to restructuring	Incentive (50% of savings)	Total interest expense	Interest expense on normative loan	Final Interest Expense
1	2	3	4= (3-2)	5=50% of 4	6= (2+5)	7	8=6+7
PTPS 6	0.23	0.23	-	-	0.23		0.23
PTPS 7	2.52	2.52	-	-	2.52	0.01	2.53
PTPS 8	2.18	2.18	-	-	2.18	0.01	2.19
DCRTPP-1	1.43	1.43	-	-	1.43		1.43
DCRTPP-2	1.14	1.14	-	-	1.14		1.14
RGTPP-1	8.53	13.53	5.00	2.50	11.03	0.11	11.14
RGTPP-2	5.65	10.65	5.00	2.50	8.15	0.11	8.26
WYC Hydel	3.09	3.09	-	-	3.09		3.09
Total	24.78	34.78	10.00	5.00	29.78	0.23	30.02

10.4. Return on Equity (RoE)

HPGCL has submitted that the Hon'ble Commission, in its Order dated 22.02.2024, has approved RoE @ 12% for thermal power plants and 13% for HEP. Accordingly, the equity deployed in the generation business and RoE claimed thereto for the FY 2025-26 is as under: -

Details of Equity Deployed in FY 2025-26 (Rs Cr.)

Sr. No.	Unit#	Closing FY 2023-24	Additions FY 2024-25	Additions FY 2025-26	Closing FY 2025-26	Proposed RoE @ 12%/13%
1	PTPS – 6	157.08	0.62	0.33	158.03	18.94
2	PTPS – 7	218.33	5.67	4.65	228.65	27.16
3	PTPS – 8	218.56	5.67	3.27	227.49	27.10
4	DCRTPS-1	251.73	2.02	3.86	257.61	30.81
5	DCRTPS-2	251.68	2.02	2.67	256.37	30.60
6	RGTPS-1	496.62	7.83	19.19	523.64	61.69
7	RGTPS-2	510.95	7.83	7.40	526.17	62.70
8	Hydel	18.36	2.39	10.30	31.05	3.37
	Total	2123.31	34.04	51.66	2209.00	262.24

10.5. Interest on Working Capital (IWC)

HPGCL has submitted that Regulation 22.1 of HERC MYT Regulations, 2024 provides various components to be considered for estimating working capital requirement and tariff computation. Further, the Regulation 22.2 of the aforementioned Regulations state that the rate of interest on working capital shall be equal to the MCLR of the relevant financial year plus a maximum of 150 basis points i.e. 1.5%. SBI MCLR as on 15.09.2024 was 8.95% p.a. Accordingly, HPGCL has estimated the working capital requirements and the interest on working capital @ 10.45% (8.95%+1.50%).

HPGCL has proposed IWC as per the MYT Regulations in vogue for the FY 2025-26 as under: -

IWC (Normative) for FY 2025-26 (Rs Cr.)

Unit #	Coal Stock 1 Month	Oil Stock 1 Month	O&M Expenses 1Month	Maint. Spares 10% Thermal/7.5 % (Hydel)	Receivables 1 Months	Total W/C Requirement	Int. on W/C @ 10.05%
PTPS – 6	53.54	0.99	10.05	12.05	67.87	144.50	15.10
PTPS – 7	64.18	0.59	13.32	15.99	85.02	179.10	18.72
PTPS – 8	64.18	0.59	14.04	16.85	85.85	181.52	18.97
DCRTPP-1	67.42	0.70	10.69	12.83	85.54	177.18	18.52
DCRTPP-2	67.42	0.70	11.94	14.32	86.81	181.19	18.93
RGTPP-1	154.57	1.40	13.58	16.30	183.38	369.22	38.58
RGTPP-2	154.57	1.40	13.96	16.75	183.87	370.55	38.72
Hydel			3.33	5.99	4.64	13.95	1.46
Total	625.88	6.37	90.91	111.08	782.98	1617.21	169.00

10.6. Total Fixed Cost (proposed by HPGCL)

The Fixed Cost of HPGCL Plants, as estimated and prayed for by the petitioner for the FY 2025-26, is as under:

Annual Fixed Cost (Rs. Cr.) for FY 2025-26

S.N	Unit #	O&M	Depreciation	Interest & Finance Charges	Return on Equity	W/C Interest	Total Fixed Cost
1	PTPS - 6	120.54	5.28	0.23	18.94	15.10	160.09
2	PTPS - 7	159.85	34.66	2.53	27.16	18.72	242.91
3	PTPS - 8	168.48	36.21	2.19	27.10	18.97	252.95
4	DCRTPP-1	128.25	30.14	1.43	30.68	18.52	209.02
5	DCRTPP-2	143.22	30.33	1.14	30.60	18.93	224.23
6	RGTPP-1	162.96	54.68	11.14	61.69	38.58	329.05
7	RGTPP-2	167.52	57.71	8.26	62.70	38.72	334.81
8	Hydel	39.90	7.83	3.09	3.37	1.46	55.65
	Total	1090.72	256.84	30.02	262.24	169.00	1808.81

10.7.HPGCL has prayed that they may be allowed recovery of all expenditure relating to petition filing fees including publication of notices etc. and any other statutory fees/ regulatory fees, taxes and levies from the beneficiaries as per actual.

10.8. Summary of Tariff computation for the FY 2025-26

Total Capacity Charges and Energy Charge Rate (ECR) per kWh for the FY 2025-26 as proposed by the petitioner is summarized as under:

Tariff Summary for FY 2025-26

Particular	PTPS 6	PTPS 7	PTPS 8	DCRTP S 1	DCRTP S 2	RGTPS 1	RGTPS 2	WYC HEP	Total
Total Capacity Charges (Rs crore)	160.09	242.91	252.95	209.02	224.23	329.05	334.81	55.65	1808.81
Energy Charge Rate (Rs/kWh)	4.599	4.564	4.564	4.000	4.000	4.457	4.457	Nil	

11 HPGCL's has Prayed as under: -

- Admit this Petition.
- To approve the capex being incurred in respect of NOx and allow to capitalize the same after completion of the same in FY 2024-25, as prayed in the petition.
- To approve and allow the migration from SFPS to Mega Policy, with the permission to allow the excess expense on account of opting Mega policy to be allowed to claim under True-up.
- To approve the capex incurred by HPGCL for purchasing & installation of the new rotor for RGTPP Unit2 amounting to Rs 50.60 Cr and allow to capitalize the same.

- e) To take the note of the unrecovered depreciation till FY 2023-24.
- f) To approve the revised Capital Plan for FY 2024-25.
- g) To approve the true up of water charges for FY 2023-24.
- h) To take the note of CHP expenses, and the same may be claimed after the outcome of appeal pending at APTEL.
- i) To approve the true up on basis of submission made in petition.
- j) To approve the business plan for the next control period i.e. FY 2025-26 to FY 2029-30 as per MYT Regulation 2024.
- k) To approve the proposed Capital Investment Plan for the next control period i.e. FY 2025-26 to FY 2029-30 as per MYT Regulation 2024.
- l) To allow to adjust/shift/spread the approved capex schemes for the control period on the need basis between the control period.
- m) To approve the tariff for FY 2025-26 as per the submission made in petition.
- n) Allow recovery of all expenditure relating to petition filing fees including publication of notices etc. and any other statutory fees/ regulatory fees, taxes and levies from the beneficiaries as per actual.
- o) Condone any inadvertent omissions / errors / delays / short comings and permit the applicant to add/ change/modify/ alter this filing and make further submissions as may be required at later stage as the filing is being done based on the best available information.
- p) Treat the filing as complete in view of substantial compliance as also the specific requests for waivers with justification placed on record.

12 Additional data/details provided by HPGCL

The Commission, after initial scrutiny of the petition, sought additional data / information, vide memo no. 4240/HERC/Tariff dated 12.12.2024. HPGCL, vide Memo no. 144/HPGC/Reg-522(2024), dated 26.12.2024, filed its reply, which has been taken on record.

13 Procedural Aspects, Analysis & Order of the Commission

In line with Section 64 of the Electricity Act, 2003 and Haryana Electricity Regulatory Commission (Conduct of Business) Regulations, 2019, the Commission scheduled a hearing on 15.01.2025 in order to afford an opportunity to the stakeholders to present their objections / suggestions on the present petition of HPGCL. In response to the public notice no comments/ objections were filed by any stakeholder including the distribution licensees/HPPC. As such, no intervener was present in the hearing.

The hearing was held in the courtroom of the Commission. The Commission heard at length the submissions of the representatives of the petitioner company present in the hearing. However, despite the fact that the generation tariff determined by the Commission in the present proceedings will directly impact the power purchase cost and availability of the Discoms, they neither filed any objections/comments nor made any oral submissions in the public hearing. The petitioner herein i.e. HPGCL reiterated its prayers for being allowed the true-up amount as worked out by them as well as generation tariff as per their petition.

State Advisory Committee (SAC)

In order to take forward the consultation process and to have the benefits of the views / suggestions of the Members of the SAC, a meeting of the State Advisory Committee, constituted under Section 87 of the Act, was convened on 19/02/2025 to discuss the petition filed by the Haryana Power Utilities including HPGCL. The SAC Members present mostly commented on the petition(s) filed by the distribution licensee. Hence, the same is not reproduced here.

The Commission has taken note of the deliberations in the SAC meeting and shall consider the same while giving a final shape to the present order.

HPGCL is directed to take appropriate action on the views / suggestions of the SAC Members and submit an action taken report to the Commission within two months.

Commission's Analysis and Order

The Commission, while passing the present order has considered the petition filed by HPGCL, additional information provided by them from time to time, oral submissions made in the public hearing held on 15.01.2025 as well as the relevant documents available in the public domain.

The Commission reiterates that the present order is confined to the true up of the FY 2023-24 and determination of generation tariff for the FY 2025-26 in accordance with the HERC MYT Regulations, 2019. Hence, any other issue that the petitioner may have raised outside the scope of the present proceedings, has not been dealt in the present order.

14 Miscellaneous issues raised by HPGCL

At the outset, the Commission has considered it appropriate to address the issues raised by the petitioner in the present petition which has impact on

generation tariff or financial/operating performance of the generator. Accordingly, the issues raised and Commission's view thereon are as under: -

14.1 Migration from Standard Fire and Peril Services (SFPS) to Mega policy for HPGCL Units- impact in A&G expenses thereof.

HPGCL has submitted that in the past it has opted for SFPS based insurance which is primarily covering all its operational generation units on its depreciated value, which has experienced severe deductions in claim assessment /pay out. Whereas, other thermal plants viz, West Bengal State Power Corporation, UP Rajya Vidyut Utpadam Nigam, Durgapur Projects, SCCL, NTPC, Rajasthan Rajya Vidyut Utpadan Nigam, Gujarat State Electricity, ONGC Thermal Power Company, DVC, NLC etc, are opting the MEGA Policy for their units. In the past, minimum expenditure has been made on the insurance cost, on account of less scheduling. At present on account of maximum scheduling and plants remaining on bar for more than the normative limits, it becomes mandatory to have the comprehensive policy i.e. MEGA policy to reduce any losses on account of failure. Thus, in view of the above, HPGCL is migrating from SFPS policy to MEGA policy, which may have financial implications under A&G.

In this regard, the Hon'ble Commission vide its order dated 20.02.2024 had directed to seek the feedback from the thermal power plants located in the states cited by it and submit a report within two weeks. The same stands apprised to the Hon'ble Commission vide letter dated 11.06.2024, submitting as under: -

- i. The directive was to seek feedback from other State Thermal Plants i.e. IGSTPP & MGSTPP, Jhajjar.
- ii. The communication with the respective plants has been made and it has been confirmed by the respective plants that they have opted the Mega policy for its thermal units.
- iii. Accordingly, HPGCL reserve its right to claim the parity of having Mega Policy as opted by SGSCGS plants in the State of Haryana, in future by way of separate petition or through future ARR.

HPGCL has submitted that it has been established that APCPL and CLP, Jhajjar (IPP) has already opted the Mega policy for its thermal units, thus the equitable platform be provided to HPGCL for allowing to migrate to Mega

Policy.

HPGCL, in its additional submissions made vide Memo no. 144/HPGC/Reg-522(2024) dated 26.12.2024, has submitted that the current policy of insurance which SFPS is costing at Rs 3.50 Crore and the mega policy shall cost Rs 30 Crore (approximately) for whole HPGCL. Thus, the net financial implication of Rs 26.50 Crore (30-3.5). In case Rs 26.50 Crore be spread on the normative generation of 18924.51MUs, there may be an impact of Rs 0.015 per unit on the Fixed cost. HPGCL has submitted that it had initially opted for SFPS policy which only allows the damage to machinery, but after the learning of failure of Rotor of RGTPP, it has been necessitated to cover the business with comprehensive policy as opted by CPSUs, and IPP in the State.

Accordingly, HPGCL has prayed that they may be allowed to opt for Mega Policy in future and allow to claim the increase in insurance cost while carrying the true up in the matter under A&G, please.

Commission's view: -

The Commission has considered the submissions of HPGCL and observed that the similar submissions was made by HPGCL in its petition for determination of generation tariff for the FY 2024-25.

In reply to the interim order of the Commission dated 16.01.2025, HPGCL submitted that the comprehensive mega policy will cover below mentioned sections for all HPGCL power plants/ Thermal and Renewable:

- ☐ Property Damage (PD) – Physical loss or damage to any property which is insured, by any peril, which is not specifically excluded under Mega policy is indemnified.
- ☐ Accidental Machinery Breakdown (MBD) losses– Its covers losses arising out of sudden and accidental breakdown of machinery.
- ☐ Fire Loss of Profit/ Generation (FLOP) subsequent to losses arising from fire group of perils covered under the policy - It covers Loss of Gross Profit and /or increase in cost of working due to reduction in turnover/output due to operation of an insured peril covered under property damage section.
- ☐ Machinery Breakdown Loss of Profit/ Generation (MLOP) subsequent to any Accidental Machinery breakdown event - It covers Loss of Gross Profit and /or increase in cost of working due to reduction in turnover/output on account of

accidental breakdown of machinery covered under machinery breakdown section.

HPGCL submitted that an approximate claim amount of INR 423.78 Crore could have been paid under insurance if the right valuation and right insurance type was in place by HPGCL, based on the incidents that have happened in HPGCL plants since 2018 (last around seven years).

The Commission observes that as against incremental expenditure (around Rs. 185 crore i.e. Rs. 26.5 crore for seven years) on mega policy in seven years, HPGCL could have averted a loss of around Rs. 423.78 crore. A deeper cost-benefit analysis of the proposed shift is required to be done by HPGCL, considering the historical performance of power plants of HPGCL and probability factor of such occurrences.

However, considering the proposal of HPGCL, the Commission grants in-principle approval to the planned migration.

14.2 Permission to capitalize the new rotor of RGTPP unit

HPGCL has submitted that in the FY 2019-2020, during September, 2020, the turbine of 600MW Unit-2 RGTPP tripped on high vibrations at bearing no 1 and matter was referred to Shanghai Electric Company, China, the original Equipment Manufacturer (OEM) of the turbine. SEC, China intimated that due to frequent hot start up and running unit on fluctuating load unwanted stress in HIP rotor has developed due to change in metallurgical properties leading to increase in the eccentricity of rotor. The in-situ dynamic balancing of its rotor was carried out in presence of OEM representative from 07.10.2020 to 09.10.2020 but every time turbine tripped on high bearing vibrations and no improvement was observed. SEC recommended for overhauling of Turbo generator set & repair of HIP turbine rotor at their China workshop. A work order was placed on M/s Shanghai Electric India Pvt Ltd (SEIPL), Gurugram on 20.02.2021 for level-A overhauling of turbine with the approval of ULHPPC of HPGCL (after getting in-principle approval from the State Government and clearance from Ministry of External Affairs & DPIIT, Ministry of Commerce & Industry). While carrying out inspection of the HIP turbine after its dismantlement, a crack was found throughout the periphery of balancing drum (HP side) of HIP rotor and the matter was referred to SEC, China to suggest its repairability and to intimate the cause of development of crack on periphery of HIP Rotor balancing drum (HP Side). M/s SEC, China

after analysis intimated that crack is located at the root of balancing drum in the middle of the rotor which is difficult to repair and has a high risk in future service life. They further informed that there is no possibility of repair and if repaired, would involve high risk in operation of the Unit. SEC, has strongly recommended to replace the rotor with the new rotor.

SEC has offered new HIP rotor at a cost of 37.5 lakhs USD on CIF Mumbai seaport which comes out to be Rs 36.87 Crore including taxes and duties up to RGTPP with delivery period as 13 months for dispatch and old rotor for 11.0 Lakhs USD on CIF Mumbai seaport which comes out to be approx. Rs 10.87 Crores including taxes and duties up to RGTPP with delivery period as 6 months at Shanghai Sea Port after placement of order. SEC, China intimated that SEC has offered specification of New HIP Rotor as per original design and operation shall be as per SEC's original manual requirement. As it was apprehended for generation loss of longer duration, efforts were being made to arrange old rotor to bring the Unit on bar in interest of the consumers. Simultaneously, efforts were made to ascertain the option of repair from GE(Power)/ Siemens/L&T and BHEL. The offers given by them are not seems viable as private player are not providing any guarantee or warrantee on the repairs, whereas the BHEL is offering to make the rotor by reverse engineering and seeking longer duration of 26 months minimum for the said rotor with indemnification from the legal issue aroused on the proprietary items. All the facts and developments in the matter was placed before the State level high Power Purchase Committee under the Chairmanship of Hon'ble Chief Minister Haryana, wherein it was decided as under:

"The offer of SEC, China for purchase of 01 no. fully bladed new HIP rotor and 1no fully bladed old HIP rotor from SEC China on proprietary basis as per agreed terms and conditions and subsequent discussions, was accepted at a total quote of 48.5 Lakhs USD (CIF Mumbai Seaport) which comes out to be Rs. 47,74,04,846/- including all taxed and duties up to RGTPP (conversion rate @1USD =Rs 74.05 as on 29.04.2021 available on RBI site on 07.05.2021). the payments to SEC, China will be made in USD and payments of taxes and duties and all other charges to be paid in India will be made in INR at prevailing rates at the time of taking delivery of the material."

Accordingly, the work order was issued to M/s SEC in terms of the above

approval of SHPPC. Considering all the aspects placed before State High Power Purchase Committee, the rotor of the RGTPP Unit2 has been declared not fit for operation by SEC/China and advise to have the alternate arrangement by way of new rotor.

The old rotor was installed at RGTPP on 14.01.2022 and unit got synchronized on 12.06.2022. The old HIP rotor which has ensured life of maximum fifteen months as per SEC, had generated 4563.97 Mus (from 12.06.2022 to 15.11.2023) in peak duration of year and save substantial amount for DISCOMs by avoiding to resorting to the costly power. The old rotor was replaced with the new rotor in the capital overhauling started w.e.f. 16.11.2023 and machine is presently running smoothly and contributing to the State power sector in interest of Consumers.

The details of expenditure on account of the same is as under:

Work order no./ P.O. No. & description	Dated	Firm Name	Rs. in INR	Remarks
W.O. No. 04/CH-30/RTGPP/TGM-II/203 (Replacement Works)	16.06.2023	Shanghai Electric India Pvt. Ltd, Gurugram	9,51,55,200	Proposed to be capitalized.
P.O. No. 2021-2054 (Purchase of new HIP rotor)	02.07.2021	Shanghai Electric Group Co. Ltd. China	41,08,67,000	Proposed to be capitalized.
Gross Total			50,60,22,200	

As per CERC Regulation 2024-29, the term additional capitalization is as under:

“Additional Capital expenditure’ means the capital expenditure incurred, or projected to be incurred after the date of commercial operation of the project by the generating company or the transmission licensee, as the case may be, in accordance with the provisions of these regulations;”

The reference is further invited to the HERC MYT 2024 Regulations for Capital Investment Plan and is reproduced as under:

CAPITAL INVESTMENT PLAN

9.1 The generating company and the licensees, in respect of their respective businesses, shall file, for approval of the Commission, a capital investment plan along with the MYT petition for a period covering at least the entire control period. The capital investment plan shall be project/scheme wise and for each scheme/project shall include:

- a) Purpose of investment*

- b) *Capital Structure*
- c) *Capitalization Schedule*
- d) *Financing Plan including identified sources of investment*
- e) *Details of physical parameters / targets*
- f) *Cost-benefit analysis and payback period*
- g) *Envisaged reduction in O&M cost/losses*
- h) *Ongoing projects that will spill into the year under review and new projects (along with justification) that will commence but may be completed within or beyond the control period.*

9.2 Purpose of investment shall include:

for a generation company- generation capacity growth, replacement of assets, renovation and modernization, reduction in average per unit cost of generation etc.;"

It is the matter of the fact that the rotor of the generating unit has the life cycle matching to the life cycle of the Thermal Unit. Thus, only maintenance spares have been envisaged and separate rotor in any case had not been arranged as spares in advance. HPGCL has initially run the machine in interest of consumers of the State by arranging old rotor and the same has not been booked under CAPEX. However, as the new rotor has not been envisaged at the time of CoD of the Unit, thus the regulation 9.2 of MYT 2019 which clearly stipulates that replacement of the asset falls under "Capital Investment Plan". The matter may also be seen in light of Regulation 9.9 which clearly allows any contingency works can be carried in the matter after the approval of BoD. In the present case the approval has been accorded by the highest body of procurement in the State i.e. State High Power Purchase Committee. Accordingly, in view of the above submissions, HPGCL seek the permission of the Hon'ble Commission to allow to capitalize Rs 50,60,22,200/- (Fifty Crore sixty lakh twenty two thousand and two hundred) and adjust the tariff heads accordingly.

Commission's view: -

The Commission has examined regulation 9 of the HERC MYT Regulations, 2019, which provides as under: -

"9. CAPITAL INVESTMENT PLAN

9.1. The generating company and the licensees, in respect of their respective businesses, shall file, for approval of the Commission, a capital

investment plan along with the MYT petition for a period covering at least the entire control period. The capital investment plan shall be project/scheme wise and for each scheme/project shall include:

- (a) Purpose of investment*
- (b) Capital Structure;*
- (c) Capitalization Schedule;*
- (d) Financing Plan including identified sources of investment;*
- (e) Details of physical parameters / targets;*
- (f) Cost-benefit analysis and payback period;*
- (g) Envisaged reduction in O&M cost/losses;*
- (h) Ongoing projects that will spill into the year under review and new projects (along with justification) that will commence but may be completed within or beyond the control period.*

9.2. Purpose of investment shall include:

- (i) for a generation company- generation capacity growth, replacement of assets, renovation and modernization, reduction in average per unit cost of generation etc;*

.....

9.3. The capital investment plan, in case of a generation company, will be commensurate with generation capacity growth, renovation & modernization requirements etc.

.....

9.4. Capital Investment for renovation and modernization in case of a transmission licensee and a generation company shall be made through an application with a detailed project report (DPR) elaborating the following elements: (i) Complete scope and justification; (ii) Estimated life extension of the generation/transmission asset; (iii) Improvement in performance parameters; (iv) Cost-benefit analysis; (v) Phasing of expenditure; (vi) Milestones/Time lines (vii) Schedule of completion; (viii) Estimated completion cost; (ix) Other aspects.

9.5. Capital investment plan shall incorporate list of schemes in order of priority so as to enable the Commission to approve the scheme in that order and in case lesser amount of capital expenditure is to be approved then the schemes of lower priority could be disapproved.

9.6. The generation company and licensee shall submit all information / data required by the Commission for approval of the capital investment plan.

9.7. In the normal course, the Commission shall not revisit the approved capital investment plan during the control period. However, during the

mid-year performance review and true-up, the Commission shall monitor the year wise progress of the actual capital expenditure incurred by the generating company or the licensee vis-à-vis the approved capital expenditure and in case of significant difference between the actual expenditure viz-a-viz the approved expenditure, the Commission may true up the capital expenditure, subject to prudence check, as a part of annual true up exercise on or without an application to this effect by the generation company/licensee. The generating company and the licensee shall submit the scheme-wise actual capital expenditure incurred along with the mid-year performance review and true-up filing.

- 9.8. *In case during the mid-year performance review, the actual cumulative capital expenditure incurred up to the current year starting from first year of the control period, is less by more than 10% of the approved cumulative capital expenditure, the Commission shall true-up the costs incidental to the actual capital expenditure in the current year and remaining years of the control period.*

Provided that the actual capital expenditure incurred shall be only for the schemes as per the approved capital investment plan.

Provided that if the actual capital expenditure incurred is more than the approved capital expenditure, the Commission shall not allow any true-up of the cost incidental to such variations.

- 9.9. *In case the capital expenditure is required due to Force Majeure events for works which have not been approved in the capital investment plan or for works that may have to be taken up to implement new schemes approved by the State/Central Government, the generating company or the licensee shall submit an application containing all relevant information along with reasons justifying emergency nature of the proposed work seeking approval by the Commission. In the case of works or schemes, other than those required on account of Force Majeure events, the Commission shall consider to give approval only in those cases where the works / schemes are wholly / substantially financed by the State / Central Government or, in view of the Commission, shall benefit a large mass of consumers of the State. The generating company or the licensee may take up the work prior to the*

approval of the Commission only in case the delay in approval will cause undue loss and such emergency nature of the scheme has been certified by the Board of the Directors and intimated to the Commission:

Provided that the generating company or the licensee shall submit the requisite details, as required as per Regulation 9.1 above, within 10 days of the submission of the application for approval of emergency work;

Provided further that for the purpose of Regulation 9.7 and 9.8, such approved capital expenditure shall be treated as a part of actual capital expenditure incurred by the licensee as well as the capital expenditure approved by the Commission.

.....”

The Commission has considered the submissions of HPGCL that the turbine of 600 MW Unit-2 RGTTP tripped on high vibration in September, 2020, due to damage of HIP turbine rotor beyond repair which led to an enquiry from M/s. SEC China on proprietary basis for procurement of New HIP rotor, on 28.03.2021 and approval of High Powered Purchase Committee (HPPC) dated 12.06.2021. However, the cost of replacement of HIP turbine rotor was not included in the CAPEX plan in the generation tariff petitions filed for the FY FY 2022-23 and FY 2023-24. The Commission has also observed that HPGCL has sought approval of CAPEX of Rs. 50.60 crore under Regulation 9.2 of the HERC MYT Regulations, 2019, which provides that the purpose of capital investment can also be the replacement of assets. However, HPGCL has not complied with the provisions of Regulation 9.1 of the HERC MYT Regulations, 2019, which provides that it has to file the following details to enable the Commission to exercise its prudence check: -

- (a) Purpose of investment*
- (b) Capital Structure;*
- (c) Capitalization Schedule;*
- (d) Financing Plan including identified sources of investment;*
- (e) Details of physical parameters / targets;*
- (f) Cost-benefit analysis and payback period;*
- (g) Envisaged reduction in O&M cost/losses;*
- (h) Ongoing projects that will spill into the year under review and new projects (along with justification) that will commence but may be completed within or beyond the control period.*

HPGCL was required to file the above details even in case of Force

Majeure events, in line with Regulation 9.9 of the HERC MYT Regulations, 2019. However, HPGCL has defaulted in compliance of the same.

Further, Note 2 to Regulation 18.2.4 of the HERC MYT Regulations, 2019 provides as under: -

***“Note 2:** Any expenditure on replacement of old assets or renovation and modernization or life extension shall be considered after excluding the entire depreciated value or value of the scrap, whichever is higher, of the original assets from the original capital cost of the assets replaced;”*

In view of the above, HPGCL was required to provide details of scrap value of hold HIP turbine rotor and claim CAPEX net of higher of depreciation value and scrap value of old HIP turbine rotor.

However, since HPGCL has capitalized the amount of Rs. 50.60 crore on account of HIP turbine rotor on 31.03.2024 and there is minimal impact of depreciation on the FY 2023-24, the Commission while approving the same for the FY 2023-24, directs HPGCL to file the abovementioned details, at the time of claiming true-up of depreciation for the FY 2024-25, wherein the issue shall be re-visited.

14.3 Unrecovered Depreciation of HPGCL Units.

HPGCL has submitted that Regulation 13.4 of MYT Regulation 2019 provides, as under:

“13.4 Over or under recoveries of true-up amount in previous years(s) of the control period shall be allowed to be adjusted in the ensuing year of the control period by appropriate resetting of tariff. The unrecovered amount in the one control period shall be adjusted in the subsequent control period.”

The Hon’ble Commission vide its order dated 25.01.2023, has observed that the Regulation 13.4 of MYT 2019 is meant for DISCOMs only, whereas the HPGCL is of the considered view that the said regulation is general in nature and implied to all state power utilities. The findings of the Hon’ble Commission stand challenged at APTEL vide Appeal no 163 of 2022.

In view of the above, as the matter is pending at APTEL for adjudication. HPGCL is hereby submitting the details of the unrecovered depreciation from

FY 2019-20 to FY 2023-24 for the information of the Hon'ble Commission as under: -

S.NO.	Unit	Amount (Rs. Crore)
1.	PTPS-6	0.31
2.	PTPS-7 & 8	5.32
3.	DCRTPP	18.07
4.	RGTPP	223.51
5.	HYDEL	1.79
	Total	249.00

HPGCL has reserved its right to claim the un-recovered depreciation of the present control period in the next control period as per the outcome of the appeal pending at Hon'ble APTEL.

Commission's view: -

The Commission has considered the submissions of the petitioner regarding recovery of unrecovered depreciation, which has been re-iterated while seeking 'true up' of various expenses for the FY 2023-24.

At the onset, it is observed that HPGCL has claimed true-up of the 'recovered' expenses including depreciation vis-à-vis actual expenses as per the audited accounts, citing Regulation 13 of the HERC MYT Regulations, 2019. HPGCL has submitted that the unrecovered amount may be allowed to be recovered as per Regulation 13.4 of the MYT regulations 2019 at the end of control period of present control period of MYT Regulations, 2019.

In this regard, the Commission observes that the issue has already been discussed in the previous ARR order(s) dated 18.02.2021 and 25.01.2023. The operative part of the said order(s) is reproduced below: -

"The Commission has carefully examined the Regulations cited by the petitioner in support of its claim. The regulation 13.4 provides that "over or under recoveries of trued-up amount in previous year(s) of the control period shall be allowed to be adjusted in the ensuing year of the control period by appropriate resetting of tariff. The unrecovered amount in the one control period shall be adjusted in the subsequent control period." The Commission observes that this clause in the MYT regulations is meant for DISCOMs only, where at times the ARR remains unrecovered through tariff. In that event, the unrecovered amount is allowed to be adjusted in the ensuing year by appropriate resetting of tariff. The generating companies are allowed to recover their full annual fixed cost

under regulation 30 of HERC MYT Regulations, 2019, based on their plant availability. The generating plant shall recover full capacity charges at the normative annual plant availability factor specified by the Commission. Recovery of capacity charges below the level of target availability shall be on pro-rata basis. No capacity charges shall be payable at zero availability. Thus, in case availability of the plant is below the normative plant availability, it will not be able to recover full fixed cost and some portion will remain unrecovered. This has been provided in order to provide equity on both the sides. While DISCOMs pay fixed costs for the power which remains available to them up to the level of norms and the same time generator is required to be geared to generate in order to recover fixed cost. The generator is not allowed to claim the unrecovered fixed cost due to their non-availability, in the true-up. DISCOMs are required to pay the fixed cost, only and to the extent of the generator remains available for them.

The Commission further observes that the similar issue was also raised by HPGCL in its true-up petition for the FY 2019-2020, albeit on the different grounds i.e. non-recovery of expenses due to “force majeure” conditions caused by COVID-19 pandemic and resultant delay in capital overhauling of RGTPP-1.

The Commission re-iterates its decision taken in its order dated 18.02.2021 (HERC/PRO-76 of 2020) that the present true-up exercise is being carried out with respect to the fixed cost already approved vis-vis actual cost incurred. The basis, details and the amount to be trueed up under each head are discussed in the paragraphs that follow.”

(para 13 of the order dated 25.01.2023)

In view of the above, while considering the true-up petition of HPGCL for the FY 2023-24, the actual expenditure as per the audited accounts of the FY 2023-24 vis-à-vis the expenses approved by the Commission vide its Order dated 25.01.2023 for the FY 2023-24 has been reckoned with. In case the unrecovered expenses/ depreciation due to non-availability/partial availability of its units, are allowed to be recovered at the end of the control period or allowed to carry forward to next control period, it will derail the entire regulatory regime. Accordingly, the Commission has allowed or disallowed, as the case may be, recovery of

the true-up amount in accordance with the provisions of the MYT Regulations, 2019. It is not out of the place to mention that in the past HPGCL was allowed advance against depreciation (AAD) on account of higher repayment liabilities vis-à-vis the normal allowable depreciation. The balance AAD as on 31.03.2024 is Rs. 347.05 crore, which needs to be appropriately adjusted after providing unit-wise details of the same.

The aforesaid order (s) issued by this Commission in the past are self-explanatory. Hence, no further deliberation on this issue is called for.

15 FY 2023-24 True-Up

The Commission has considered the submissions of the petitioner regarding 'true up' of various expenses for the FY 2023-24. While considering the true-up petition of HPGCL for the FY 2023-24, the actual expenditure as per the audited accounts of the FY 2023-24 vis-à-vis the expenses approved by the Commission vide its Order dated 25.01.2023 for the FY 2023-24 has been reckoned with. Accordingly, the Commission has allowed or disallowed, as the case may be, recovery of the true-up amount in accordance with the provisions of the MYT Regulations, 2019.

The Commission observes that the fixed cost (not only R&M/A&G) allowed to HPGCL for the financial year 2023-2024, in the Generation Tariff Order dated 25.01.2023, was allowed to be recovered subject to the Annual Plant Availability. Accordingly, HPPC/DISCOMs may re-examine the recovery of fixed cost allowed to HPGCL vis-à-vis NAPAF for the FY 2023-24, in the bills raised by HPGCL and take appropriate action accordingly. However, the true-up portion approved in the present order, has been adjusted on account of non-availability / partial availability of its units.

15.1 Operation and Maintenance Expenses (O&M)

As per the provisions of the HERC MYT Regulations, 2019, regarding the basis and admissibility of truing-up, the Commission has examined the Audited Accounts of HPGCL for the FY 2023-24, true-up petition and additional information submitted by HPGCL. It is observed that HPGCL has sought true-up amounting to 290.69 Crore on account of O&M expenses, without mapping the same with the Audited Accounts and the said expenses as

approved by this Commission. The true-up of Rs. 160.43 Crore has been sought on account of true up of employees cost and Rs. 130.26 crore on account of R&M expenses.

True-up of employees cost

The Commission observes that HPGCL has claimed true-up of employees cost amounting to Rs. 160.43 Crore. The Commission, on perusal of the claims, observes that the employee cost approved, in the order dated 25.01.2023 for the FY 2023-24, was Rs. 651.38 crore. As against this, employees cost claimed by HPGCL is Rs. 761.46 Crore i.e. Rs. 110.08 crore over and above the expenses approved in the order dated 25.01.2023 (Rs. 761.46 Crore minus Rs. 651.38 Crore).

The Commission further observe that out of total terminal liability (Rs. 420.25 crore) claimed by HPGCL in the FY 2023-24, an amount of Rs. 386.88 crore is shown as "Other Comprehensive expense", instead of "employees cost" and a total amount of Rs. 2185.53 crore has been accumulated till 31.03.2024 under the head 'remeasurement of net defined benefit asset/liability (net of tax)'. In this regard, HPGCL has submitted that the other comprehensive expense is, in fact, employee cost only but is presented as other comprehensive expense due to requirements of Indian Accounting Standards-19. Therefore, this part of employee cost is reduced from overall employee cost and is presented separately in P&L statement as other comprehensive expense. HPGCL further submitted that out of total terminal liability of Rs. 420.25 crore claimed in the FY 2023-24, an amount of Rs. 307.16 crore remained unpaid as on 31.03.2024. However, the same was paid between 01.04.2024 to 30.08.2024.

The Commission, on perusal of the claims, observes that the true-up of Rs. 110.08 crore was admissible on account excess (actual) employee cost incurred by HPGCL i.e. Rs. 761.43 Crore over and above the expenses approved in the order dated 25.01.2023 i.e. Rs. 651.38 Crore (Rs. 761.46 Crore minus Rs. 651.38 Crore). However, the admissibility of the same is to be further reduced, considering Plant Availability Factor of HPGCL generating units, in line with the MYT Regulations in vogue wherein fixed cost including employees cost is recoverable on a pro-rata basis in case the NAPAF is below

the norms.

Accordingly, Rs. 94.57 Crore has been considered for true-up of employees cost as per the details tabulated below: -

Rs. in crore	PTPS -6	PTPS -7	PTPS - 8	DCR TPS 1	DCR TPS 2	RGTPS 1	RGTPS 2	WYC	TOTAL
Approved (A)	84.63	77.56	77.56	82.03	82.03	111.13	111.13	25.29	651.38
Actual (B)	87.11	115.76	112.81	87.34	87.34	123.33	123.33	24.44	761.43
True-up C=B-A	2.48	38.20	35.25	5.31	5.31	12.20	12.20	-0.85	110.08
Plant Availability Factor	72.01%	84.93%	68.73%	91.63%	85.58%	66.05%	45.76%	-	
True up adjusted to Plant availability factor	2.10	38.17	28.50	5.31	5.31	9.48	6.57	-.85	94.57

True-up of Repairs and Maintenance

The Commission observes that R&M expenses approved by the Commission for the FY 2023-24 was Rs 200.141 Crore. However, the actual R&M expense for the year is Rs. 416.27 Cr (excluding solar business of Rs 0.92 Cr and SLDC charges of Rs. 6.02 Cr and inclusive of coal handling expenses of Rs. 69.38 crore)

However, HPGCL has claimed true-up of repairs and maintenance expenses (R&M) amounting to Rs. 130.26 Crore, on account of increase in water charges on account of Change in law (Rs 36.80 Cr which is 50% of the actual expense of Rs 73.60 Cr) and excess expenditure made by HPGCL on account of the capital overhauling of HPGCL Units (Rs 93.46 Cr).

The detailed reasons for increase in the aforementioned expenses have already been reproduced earlier in this order.

In this regard, the Commission has taken note of its order dated 25.01.2023, wherein the following was observed, while approving the R&M expenses for the FY 2023-24: -

“The additional expenses sought by HPGCL, over and above the norms specified in the MYT Regulations, 2019 (2nd Amendment) Regulations, 2022, on account of coal handling expenses has not been allowed on account of discussions in the earlier paras in this order. Further,

impact of additional water charges on account of HWRA notification shall be considered by the Commission, during true-up of the FY 2023-24.”

The Commission has taken note of the submission of HPGCL that coal handling expenses of Rs. 69.38 crore shall be claimed after adjudication on the issue by Hon’ble APTEL. Further, additional water charges on account of HWRA notification claimed by HPGCL (Rs. 36.80 crore) is allowed in view of the order of this Commission dated 25.01.2023.

Regarding, claim on account of excessive expenditure incurred on overhauling of HPGCL Units (Rs 93.46 Cr), the Commission observes that HPGCL has referred regulation 9.9 of HERC MYT Regulations, 2019 in its support, which pertains to Capital Investment Plan and not effecting in any way the Repairs & Maintenance expenses approved by the Commission, which is inclusive of overhauling expenses. HPGCL has submitted that R&M expenses has increased on account of the direction of the Commission to place works of more than Rs 50 lakh under capex. The Commission observes that submissions of HPGCL is out of context as it has not substantiated the fact of increase in R&M expenses on account of miscellaneous expenses less than 50 lakhs; rather HPGCL has averred that increase in R&M expenses is on account of capital overhauling of HPGCL Units (Rs 53.94 Cr for RGTPP, Rs 38.71 Cr for PTPS and Rs 0.81 Cr for DCRTTP). HPGCL was given an opportunity to justify the overhauling expenditure of Rs. 93.46 crore, claimed by it as part of true-up, over and above the R&M expenses approved by the Commission. However, HPGCL, in its reply submitted vide memo no. 144/HPGCL/Reg-522 (2024) dated 26.12.2024, reiterated the contents of its petition and provided the following additional information: -

“...

The expense of increase in R&M on account of Capital Overhauling of Units has been claimed as per the instant regulation 9.9 only. The said regulation allows to carry the urgent repairs and the same may be claimed under Capex after completion of the same.

The details of the expense made on account of Capital Overhauling may

be perused at Annexure- P13.

Detail of overhauling in respect of 2*600 MW, RGTPP, KHEDAR, HISAR

74.126	Total
Services	11,86,81,165.18
Material	42,07,36,087.76
Grand Total	53,94,17,252.94

Details of overhauling of material in respect of 2*600MW. RGTPP, Khedar, Hisar						
Date	Voucher no	Detail narration	Debit amount	Credit amount	Net	Remarks
31-Jul-2023	2023070000993	Store issue A/c for the M/o 07/2023	6,77,981.04		6,77,981.04	Material
31-Jul-2023	2023070000993	Store issue A/c for the M/o 07/2023	6,77,981.05		6,77,981.05	Material
31-Jul-2023	2023070000993	Store issue A/c for the M/o 07/2023	77,34,323.79		77,34,323.79	Material
31-Jul-2023	2023070000993	Store issue A/c for the M/o 07/2023	1,06,00,885.71		1,06,00,885.71	Material
31-Jul-2023	2023070000993	Store issue A/c for the M/o 07/2023	3,32,35,790.52		3,32,35,790.52	Material
30-Aug-2023	2023080001013	ADJUTMENT OF MATERIAL RECEIVED FROM M/s RAJU ENGINEERING WORKS PVT LTD. AGAINST	13,68,800.00		13,68,800.00	Material
30-Aug-2023	2023080001014	ADJUTMENT OF MATERIAL RECEIVED FROM M/s RAJU ENGINEERING WORKS PVT LTD AGAINST W 0 NO.398/RGTPP/BMD-1/386 DT.12.07.2023 VIDE INVOICE	8,55,500.00		8,55,500.00	Material
31-Aug-2023	2023080001142	Store issue A/c for the M/o 08/2023	6,45,906.62		6,45,906.62	Material
31-Aug-2023	2023080001142	Store issue A/c for the M/o 08/2023	6,45,906.62		6,45,906.62	Material
31-Aug-2023	2023080001142	Store issue A/c for the M/o 08/2023	2,24,007.17		2,24,007.17	Material
31-Aug-2023	2023080001142	Store issue A/c for the M/o 08/2023	1,66,20,843.22		1,66,20,843.22	Material
31-Aug-2023	2023080001142	Store issue A/c for the M/o 08/2023	3,16,712.00		3,16,712.00	Material
30-Sep-2023	2023090001071	Store issue A/c for the M/o 09/2023	3,452.00		3,452.00	Material
30-Sep-2023	2023090001071	Store issue A/c for the M/o 09/2023		-0.88	-0.88	Material
30-Sep-2023	2023090001071	Store issue A/c for the M/o 09/2023	323.90		323.90	Material
30-Sep-2023	2023090001071	Store issue A/c for the M/o 09/2023		-123883.27	-123883.27	Material
30-Sep-2023	2023090001071	Store issue A/c for the M/o 09/2023		-123883.27	-123883.27	Material
31-Oct-2023	2023100001080	Store Issue A/c of RGTPP for the M/o 10/2023	2,14,97,068.63		2,14,97,068.63	Material
31-Oct-2023	2023100001080	Store Issue A/c of RGTPP for the M/o 10/2023		-45,766.41	-45,766.41	Material
30-Nov-2023	2023110001027	Store issue A/c for the M/o 11/2023	1,29,89,032.45		1,29,89,032.45	Material
30-Nov-2023	2023110001027	Store issue A/c for the M/o 11/2023	1,12,537.96		1,12,537.96	Material
30-Nov-2023	2023110001027	Store issue A/c for the M/o 11/2023	8,92,056.95		8,92,056.95	Material
30-Nov-2023	2023110001027	Store issue A/c for the M/o 11/2023	37,051.99		37,051.99	Material
30-Nov-2023	2023110001027	Store issue A/c for the M/o 11/2023	20,57,034.00		20,57,034.00	Material
30-Nov-2023	2023110001027	Store issue A/c for the M/o 11/2023	41,85,859.61		41,85,859.61	Material
30-Nov-2023	2023110001027	Store issue A/c for the M/o 11/2023	18,09,900.18		18,09,900.18	Material
31-Dec-2023	2023120001007	Store issue A/c for the M/o 12/2023	9,37,84,503.26		9,37,84,503.26	Material
31-Dec-2023	2023120001007	Store issue A/c for the M/o 12/2023	44,05,02,772.75		44,05,02,772.75	Material
31-Dec-2023	2023120001007	Store issue A/c for the M/o 12/2023	37,41,387.92		37,41,387.92	Material
31-Dec-2023	2023120001007	Store issue A/c for the M/o 12/2023	37,41,387.93		37,41,387.93	Material
31-Dec-2023	2023120001007	Store issue A/c for the M/o 12/2023	5,60,711.57		5,60,711.57	Material
31-Dec-2023	2023120001007	Store issue A/c for the M/o 12/2023	4,804.64		4,804.64	Material
31-Dec-2023	2023120001007	Store issue A/c for the M/o 12/2023	41,718.61		41,718.61	Material
31-Dec-2023	2023120001007	Store issue A/c for the M/o 12/2023	29,34,660.00		29,34,660.00	Material
31-Jan-2024	2024010001188	Store issue A/c for the M/o January, 2024	6,17,95,345.60		6,17,95,345.60	Material
31-Jan-2024	2024010001188	Store issue A/c for the M/o January, 2024	1,07,24,563.15		1,07,24,563.15	Material
31-Jan-2024	2024010001188	Store issue A/c for the M/o January, 2024	58,93,532.31		58,93,532.31	Material
31-Jan-2024	2024010001188	Store issue A/c for the M/o January, 2024	1,08,166.67		1,08,166.67	Material
31-Jan-2024	2024010001188	Store issue A/c for the M/o January, 2024	23,40,001.10		23,40,001.10	Material
31-Jan-2024	2024010001188	Store issue A/c for the M/o January, 2024	1,46,842.84		1,46,842.84	Material
31-Jan-2024	2024010001188	Store issue A/c for the M/o January, 2024		-1,26,694.22	-1,26,694.22	Material
15-Feb-2024	2024020000498	Material return back deposit by EXN/TGM-II Office by SRW No.		-3,20,865.32	-3,20,865.32	Material

		045/003				
29-Feb-2024	2024020000959	Material returned back deposit by BMD-II division vide SRW No. 032/043 & 033/029 Dt 22.02.2024 & 17.02.2024		-19,53,589.66	-19,53,589.66	Material
29-Feb-2024	2024020001065	Store issue A/c for M/o 02/2024 item code ME00005098, SR No 07/691 Dt drawn by BMD-II division said item convert into CAPEX as informed by BMD-II division and Item code 156131001010013, SR No.18/664 Dt.	21,26,206.43		21,26,206.43	Material
29-Feb-2024	2024020001065	Store issue A/c for M/o 02/2024 item code ME00005098, SR No 07/691 Dt drawn by BMD-II division said item convert into CAPEX as informed by BMD-II division and Item code 156131001010013, SR No.18/664 Dt.	2,56,16,923.51		2,56,16,923.51	Material
29-Feb-2024	2024020001065	Store issue A/c for M/o 02/2024 item code ME00005098, SR No 07/691 Dt drawn by BMD-II division said item convert into CAPEX as informed by BMD-II division and Item code 156131001010013, SR No.18/664 Dt.		-10,238.20	-10,238.20	Material
29-Feb-2024	2024020001065	Store issue A/c for M/o 02/2024 item code ME00005098, SR No 07/691 Dt drawn by BMD-II division said item convert into CAPEX as informed by BMD-II division and Item code 156131001010013, SR No.18/664 Dt.		-8,699.17	-8,699.17	Material
29-Feb-2024	2024020001065	Store issue A/c for M/o 02/2024 item code ME00005098, SR No 07/691 Dt drawn by BMD-II division said item convert into CAPEX as informed by BMD-II division and Item code 156131001010013, SR No.18/664 Dt.		-9.16	-9.16	Material
29-Feb-2024	2024020001065	Store issue A/c for M/o 02/2024 item code ME00005098, SR No 07/691 Dt drawn by BMD-II division said item convert into CAPEX as informed by BMD-II division and Item code 156131001010013, SR No.18/664 Dt.	22,646.14		22,646.14	Material
29-Feb-2024	2024020001065	Store issue A/c for M/o 02/2024 item code ME00005098, SR No 07/691 Dt drawn by BMD-II division said item convert into CAPEX as informed by BMD-II division and Item code 156131001010013, SR No.18/664 Dt.		-245.83	-245.83	Material
29-Feb-2024	2024020001065	Store issue A/c for M/o 02/2024 item code ME00005098, SR No 07/691 Dt drawn by BMD-II division said item convert into CAPEX as informed by BMD-II division and Item code 156131001010013, SR No.18/664 Dt.		-58,38,050.00	-58,38,050.00	Material
29-Feb-2024	2024020001065	Store issue A/c for M/o 02/2024 item code ME00005098, SR No 07/691 Dt drawn by BMD-II division said item convert into CAPEX as informed by BMD-II division and Item code 156131001010013, SR No.18/664 Dt.		-82,60,000.00	-82,60,000.00	Material
13-Mar-2024	2024030000400	Material returned back deposit by BMD-II division vide SRW No. 037 to 040/041		-56,43,894.34	-56,43,894.34	Material
21-Mar-2024	2024030000797	Material returned back deposit by XEN/BMD-II office vide their SRW No. 044, 045 & 034/041 & 029 Dt.		-1,98,009.15	-1,98,009.15	Material
29-Mar-2024	2024030001037	Material returned back deposit by CHP Division vide SMB No. 039/284 Dt. 26.03.2024, Material returned back deposit by BMD-II division by DMB No.		-85,144.00	-85,144.00	Material
29-Mar-2024	2024030001037	Material returned back deposit by CHP Division vide SMB No. 039/284		-37,58,968.50	-37,58,968.50	Material

		Dt. 26.03.2024, Material returned back deposit by BDM-II division by DMB No.				
31-Mar-2024	2024030001226	Material returned back deposit by BMD-II division in RGTPP Store vide SRW No.		-2,95,405.17	-2,95,405.17	Material
31-Mar-2024	2024030001421	Store A/c for the M/o 03/2024		-1.62	-1.62	Material
31-Mar-2024	2024030001421	Store A/c for the M/o 03/2024	1,98,284.07		1,98,284.07	Material
31-Mar-2024	2024030001421	Store A/c for the M/o 03/2024	14,662.31		14,662.31	Material
31-Mar-2024	2024030001421	Store A/c for the M/o 03/2024	14,662.31		14,662.31	Material
31-Mar-2024	2024030001421	Store A/c for the M/o 03/2024	8,10,24,604.79		8,10,24,604.79	Material
31-Mar-2024	2024030001421	Store A/c for the M/o 03/2024	58,65,799.26		58,65,799.26	Material
31-Mar-2024	2024030001440	Store A/c for the M/o 03/2024 (revised)	1,689.09		1,689.09	Material
31-Mar-2024	2024030001440	Store A/c for the M/o 03/2024 (revised)	1,689.09		1,689.09	Material
31-Mar-2024	2024030001450	Store A/c for the M/o 03/2024 (revised)		-84.83	-84.83	Material
31-Mar-2024	2024030001456	HIP ROTOR PURCHASE ON 31.03.2023 VIDE SMB NO 043/256 DT 31.03.2023(ITEM CODE 272541061390001) WAS ISSUED IN 30.11.2023 VIDE SR NO. 15/657 DT		41,08,67,000.00	-41,08,67,000.00	Material
		TOTAL of overhauling of material			42,07,36,687.76	

Detail of overhauling in respect of RGTPP, Kheder, Hisar					
Sr. No.	Work Order No. & date	Name of Firm	Description of work	AMT	Type of work
1.	W.O. NO 16/RGTPP/BMD-II/412 VOL II DT.30.11.2023	M/s The Boiler Components Mfg Co., Ltd.	Work of fabrication and supply of boiler pressure part bends	1,05,916.00	Services
2.	W.O.NO.18/RGTPP/BMD-II/498 DT.20.12.2023	M/s The Boiler Components Mfg. Co. Ltd.	Work of fabrication and supply of boiler pressure part bends	3,24,500.00	Services
3.	W.O. NO. 19/CMD-I/RGTPP/2022-23/F-755 dated: 16/12/2023	M/s Parveen Kumar Contractor	Desiltation of cooling tower basin Unit-II and cleaning of CW duct of Unit-II (Overhauling work) at RGTPP, Khedar	3,42,200.00	Services
4.	W.O NO 24/BMD-II/503 DT 08.01.2024	M/s Press Tool Industries Pvt Ltd	Repair of damaged PA Fan impeller hub assembly, shaft and MBA and cover by built up machining and dynamic balancing	2,06,500.00	Services
5.	W. O. NO.18/RGTPP/BMD-II/491 DT 21.12.2023	M/s VMEM Engineering Pvt Ltd	Work of fabrication and supply of boiler pressure parts bends for forthcoming overhauling	5,90,000.00	Services
6.	W. O.NO.17/RGTPP/BMD-11/487 DT.14.12.2023	M/s Shree Parvathy Valves Consultants	IN-STU SEA I CUTTING OF 06 N DRUM SAFETY VALVES OF BOILER OF UNIT-II	1,69,920.00	Services
7.	W.O.NO 104/M&P-638/RGTPP/2023- 24 DT.04 12.2023 BILL NO.607 DT 03.01.2024	M/s Cubix Engineering Solution. Jhajjar Haryana,	O/H of ESP installed at 2X600 MW. Unit-II, RGTPP Khedar	77,14,630.00	Services
8.	W. O. NO 19/RGTPP/BMD-II/492 DT.25.12.2023	M/s Alfa Engineering	Bending of plates for fabrication of guide vans and bends of flue gas duct during ongoing overhauling	3,63,742.00	Services
9.	W.O. NO 99/05/M&P-635/RGTPP/2023-24 DT 29.11.2023 BILL NO.IRC/D/23 24/533 DT 10.01 2024 OVERHAULING WORK	M/s IRC Engineering Services India Pvt Ltd	NDT testing such as radiography, fibroscopy, Thickness measurement, DPT/LPI, PAUT of joints, stress relieving & corrosion mapping survey etc. of Boiler tubes	54,81,320.00	Services
10.	W.O. NO:25/Xen/CMD-I/RGTPP/F- 813 dated:08.12.2023	M/s Parveen Kumar Contractor	Emergent work of making necessary arrangements for preventing the flow of water from connecting channels to cooling tower basin during overhauling of Unit-II at RGTPP	99,120.00	Services
11.	W.O. NO 01/RGTPP/EMD-II DT 01.05.23 INV NO 693 DT 11.12.23	M/S Satrola Electric Works	Servicing /overhauling of LT Circuit breakers of 600MW unit -II	2,32,214.00	Services
12.	W.O. NO 04/RGTPP/EMD DT 17.05.23	M/S Intergeral Industrial Marketing	Service work for overhauling /maintenance of 11KV and 3 3KV HRA	4,43,680.00	Services
13.	W.O NO 92/M&P-824/RGTPP/2023-24 DT 15.11.2023	M/s Clyde Bergemann India Private Limited	Deputation to 1 no service engineer for supervisory services for wall blowers, APH soot blowers & LRSB installed at UNIT-H	1,25,906.00	Services

14.	W.O. NO.22/RGTPP/BMD-II/500 DT 02.01.2024	M/s IRC Engineering Services India Pvt. Ltd	IN-SITU OXIDE MEASUREMENT	2,76,120.00	Services
15.	W.O.NO 23/RGTPP/BMD-II/495 DT.04.01.2024	M/s IRC Engineering Services India Pvt Ltd	WORK OF MPI AND PAUT OF CRACKS INSIDE BOILER	4,13,000.00	Services
16.	W.O.NO.13/RGTPP/BMD-II/469 DT.16.11.2024	M/s Alfa Engineering	For replacement of seat ring of 8" gate valve for boiler	59,295.00	Services
17.	W.O. NO 86/safety valves/M&P- 626/ RGTPP/ 2023-24 DT 26.10.2023 BILL NO 20202257 DT 08.12.2023	Shree Parvathy valves consultants	Servicing and m-situ cutting of boiler safety valves installed in unit-1	64,794.00	Services
18.	3/GMP-236/2024 DT 20.02.2024	SH MOHAMMAD IQBAL (RETIRED DIRECTOR/ HPGCL)	FOR AVAILLING THE TECHNICAL ADVISORY FOR VISIT CHARGES	82,641.00	Services
19.	Mise. IMPREST	JE OF CONCERNED DIVISION	during overhauling work	2,23,300.00	Services
20.	W.O.NO 102/M&P-622/ RGTPP/ 2023-24 DT 28.11.2023	M/s Yokogawa India Ltd	Deputation of service engineer for Main Plant DCS system installed at Unit -II	3,25,680.00	Services
21.	W. O. NO.27/RGTPP/BMD-II/505 DT 30.01.2024	M/s Gupta Industries Maintenance Service Pvt Ltd	Work of FLANG Adjustment, Locking Welding in Unit-II	7,78,800.00	Services
22.	W.O.NO.07/RGTPP/BMD-II/432 DT 25.08.2023	M/s Steam & Hydro Equipment	Servicing of Hydraulic Actuation device (HAD) servo motor of pitch	17,11,000.00	Services
23.	W.O. No 38/C&I-II/RGTPP/F-1843 dt. 28.01.2022	M/s SSM Infotech Solution Pvt Ltd	01 no service engineer for supervisory services for ETS & METS of main turbine & TDBFP system installed at unit -II	79,315.00	Services
24.	W.O.No.33/Xen/CMD4/RGTP P/F-824 dated:23.01.2024	M/s Shiv Shakti Engineers	for Emergent work of Removal of algae by scrapping from the columns of Natural Draft Cooling Tower of Unit-II in favour M/s Shiv Shakti Engineers	5,62,860.00	Services
25.	94/PP-II/M&P-634/RGTPP/2023-24 DT.16 11.2023	M/s Gupta Industries Maintenance Service Pvt Ltd	Overhauling of Boiler pressure valves. Burners, Windbox and providing cup lock scaffolding inside the furnace of Unit-II, RGTPP	2,07,27,749.00	Services
26.	W.O. NO.97/10/THI-II/MP-640/RGTPP/2023-2C24 DT 20.11.2023	M/s Maarfat Construction, Mirzapur, UP	Thermal insulation work pertaining to Boiler, TG & its aux during O/H of Unit-II, RGTPP, Khedar	61,28,920.00	Services
27.	W.O. NO.93/RGTPP/M&P-611/2023-24 DT 15.11.2023	M/s Control Component India Pvt Ltd	Deputation of service engineer for supervisory services for HP/LP bypass installed	12,38,986.00	Services
28.	W.O. NO.87/M&P-605/CTC-II/RGTPP/2023-24 DT 26.10.2023	M/S Bhadouria Enterprises.	Condenser tube cleaning	6,06,520.00	Services
29.	W.O. NO.95/RGTPP/SUPP.-1/MP- 627/2023-24 DT.16.11.2023	M/s Sun Gentech Private Limited	Supervisory services of ex-BHEL/ex-NTPC persons for Boiler & its auxiliaries	10,27,400.00	Services
30.	W.O. NO.02RGTPP/2023-24/EMD-H DT 01.05.2023	M/S EXIDE INDUSTRIES	Capacity testing of 01 nos., 2140AH, 220 VOLT DC battery banks installed at unit-II	1,29,800.00	Services
31.	W.O. NO.84/RGTPP/M&P-628/2023-24 DT 18.10.2023	M/s Apex Projects. Panipat	Repairing, hard facing & assembly of coal nozzle tips of Unit-II	1,13,280.00	Services
32.	W.O. NO.91/RGTPP/M&P-613/2023-24 DT 15.11.2023	M/s Emerson Process Management India Pvt Ltd	Supervisory services for DEH System Unit-II	4,60,200.00	Services
33.	W.O. NO.96/RGTPP/M&P-619/2023-24 DT 16.11.2023	M/s Cotmac Electronics Pvt Ltd	supervisory services for MDBFP PLC system & HP/LP bypass oil station Siemens	28,320.00	Services
34.	W.O. NO.90/RGTPP/M&P-621/2023-24 DT.10.11.2023	M/s Vertiv Energy Private Limited	supervisory services for 2*150 KVA mam plant UPS of Unit-II	82,600.00	Services
35.	W.O. NO.107/RGTPP/M&P-615/2023-24 DT 18.12.2023	M/s Meggitt India Pvt Ltd	Supervisory services for Vibration monitoring	2,11,796.00	Services
36.	W.O. NO.101/ECT-II/M&P-639/RGTPP/2023-24 DT 29.11.2023	M/s Atudra Engineers Private Limited,	Replacement of condenser water tubes, health assessment study by eddy current during overhauling of Unit-II, RGTPP	35,45,900.00	Services
37.	W.O.NO.109/M&P-607/PAINTING-II/RGTPP/2023-24 DT 26.12.2023	M/s Parveen Kumar Contractor	Painting work of TG & aux	2,01,898.00	Services
38.	W.O. NO.105/M&P-633/RGTPP/2023-24 DT 04.12.2023	M/s Apex Projects	O/H of Fans, RAPHs & associated ducting	67,22,760.00	Services
39.	W.O. NO.108/RGTPP/M&P-609/2023-24 DT.31.12.2023	M/s Emerson Process, Fisher Make valves, actuator	Supervisory services for overhauling	7,57,830.00	Services
40.	26/RGTPP/BMD-II/496 dt. 22.01.2024	M/s Maarfat Construction, Mirzapur, UP	Providing thermal insulation of ESP inlet & outlet funnel duct	9,96,097.00	Services

			and ESP roof top		
41.	25/RGTPP/BMD-II/501 dt. 20.01.2024	M/s Apex Projects	Modification of ID fan 2A outlet duct joining common flue gas duct to chimney	1,12,000.00	Services
42.	28/RGTPP/BMD-I 1/499 dt 31.01.2024	M/s Cubix Engineering Solution, Jhajjar, Haryana,	Complete removal of dislodged A1 Field of ESP installed at UNIT -II	8,73,200.00	Services
43.	397/RGTPP/BMD-I DATED 12.07.2023	M/s The Boiler Components Mfg. Co. Ltd	Fabrication and supply of Economiser bends for boiler	1,50,450.00	Services
44.	381/RGTPP/BMD-I/349 DT 12.06.2023.	Chanda Construction Co	Replacement of water wall tubes, lowering/dismantling /assembling of BCP Pumps	1,81,29,024.00	Services
45.	376/RGTPP/BMD-I/302 VOL-I DT 04.05.2023.	M/s APEX PROJECTS	Overhauling of fans, RAHs and associated ducting installed in unit - I	54,75,504.00	Services
46.	389/RGTPP/BMD-I/375 DT 01.07.2023	M/s Iman Infratech Pvt Ltd.	Work of condition assessment of boiler pressure parts and condition assessment of hangers & supports of critical piping	8,47,240.00	Services
47.	OFFICE ORDER NO.16/GMP-236 DT.20.06.2023	SH. MOHAMMAD IQBAL (RETIRED DIRECTOR/HPGCL)	FOR AVAILLING THE TECHNICAL ADVISORY	1,67,900.00	Services
48.	408/RGTPP/BMD-J/405 DT.04.08.2023	M/S KISHORI TRADERS	W O.FOR REPLACEMENT OF DAMAGED GEAR BOX OF COALMILL-1 B	4,52,530.00	Services
49.	380/RGTPP/BMD-I/351 DT 02.06.2023	M/s SUNY INSULATION (INDIA)	THERMAL INSULATION WORKS PERTAINING TO BOILER, TURBINE & ITS AUXILIARIES OF UNIT-I	23,16,470.00	Services
50.	378/RGTPP/BMD-I/302 DT.12.05.2023	M/s APEX PROJECTS	Work of overhauling of ESP installed in Unit -I during forth coming mini shut down	12,42,842.00	Services
51.	410/RGTPP/BMD-I/403 DT 09.08.2023	M/s S. P. INSTRUMENTATION & CON	Patch work and ceramic putty compound application on ceramic lined pulverized coal pipes /bends of coal mill	1,46,910.00	Services
52.	137/CH-20/RGTPP/TGM-I/53 VOL-11 DATED 03.07.2023	Shanghai Electric India Pvt. Ltd.	Need based work of TG set of 600 MW of unit -I	1,08,31,440.00	Services
53.	391/RGTPP/BMD-I/379 DT 04.07.2023	M/s Iman Infratech Pvt Ltd	supply of two no experts for supervision work of coal mill during OH	2,83,200.00	Services
54.	401/RGTPP/BMD-I/394 DT.19.07.2023	M/s ALFA ENGINEERING	servicing of burner tilt housing assemblies of boiler of unit-I	1,76,528.00	Services
55.	387/RGTPP/BMD-I/342 DT.29 06.2023 VIDE INVOICE NO.2023-24/ 30 & 32 DT.24 08 2023	M/s VMEM ENGINEERING SERVICE	Overhauling /repairing /servicing of 16T under slung SG EOT crane with Hoist	10,52,808.00	Services
56.	411/RGTPP/BMD-I/407 DT.23 08.2023 VIDE INVOICE NO.078 DT 25.08 2023	M/s Alfa Engineering	Repairing of scanner guide pipe assembly & damaged gun metal bush of gear box	63,720.00	Services
57.	409/RGTPP/BMD-I/401 DT 08.08.23	Chanda Construction Co.	Repairing of in-situ vertical bends with flange near furnace end of coal mill (HP-1103)	80,240.00	Services
58.	388/RGTPP/BMD-I/376 DT.01 07.2023 VIDE INVOICE NOMND23SV/ 16 DT 24.07.23	Macawber Beekay Pvt Ltd	Deputation of service engineer for assessment of Coal Mill Reject Handling System	2,06,500.00	Services
59.	402/RGTPP/BMD-I/395 DT 19.07.2023	Chanda Construction Co.	Refurbishment of boiler burner plates	1,94,700.00	Services
60.	09/CMD-I/RGTPP/2023-24/F-762 dated. 19/07/2023	M/S NEERAJ CONSTRUCTION CO	Dewatering and cleaning of mud/slit accumulated in the one no condenser pit and one no CEP pit manually or mechanically or pumping out slurry and its disposal during the mini overhauling of Unit	1,88,800.00	Services
61.	367/RGTPP/BMD-I/348 DT.24.04.2023	M/s IRC Engineering Services India Pvt Ltd	Work of mapping survey of boiler tubes during mini overhauling	7,84,700.00	Services
62.	380/RGTPP/BMD-I/351 DT.02.06.2023	M/s SUNY INSULATION (INDIA)	THERMAL INSULATION WORKS PERTAINING TO BOILER, TURBINE & ITS AUXILIARIES OF UNIT-I	6,94,941.00	Services
63.	372/RGTPP/BMD-I/347 DT 01.05.2023	Chanda Construction Co.	Work of repairing, hard facing & assembly of Coal Compartment assemblies	4,44,322.00	Services
64.	380/RGTPP/BMD-I/351 DT.02.06.2023	M/s SUNY INSULATION (INDIA)	THERMAL INSULATION WORKS PERTAINING TO BOILER, TURBINE & ITS AUXILIARIES OF UNIT-I	6,94,941.00	Services

65.	404/RGTPP/BMD-I/396 DT 21.07.2023	M/s NICCO ENGINEERING SERVICE!	work of safety valves setting/floating of boiler drum	2,28,448.00	Services
66.	06/ch-09/EMD-I/RGTPP /2023-24/132 DT 06.07.23	M/S EXIDE INDUSTRIES	Capacity testing of one no. 2140AH ,220 volts of DC Battery Bank during ongoing overhauling	1,20,360.00	Services
67.	390/RGTPP/BMD-I/378 DT.03 07.2023	Shree Parvathy valves consultants	w.o. for In-situ seat cutting of high-pressure safety valve of drum and superheater safety valve	2,15,940.00	Services
68.	IMPREST	concerned JE	SERVICES	2,34,232.00	Services
69.	368/RGTPP/BMD-I/325 dt 25.04.2023	U-Tech Enterprises	w.o for In-situ refurbishment of bowl shaft/hub of coal mill-1B, 1E & 1F of Unit-I	7,58,976.00	Services
70.	383/RGTPP/BMD-I/354 DT.28.06.2023	M/s Clyde Bergemann India Pvt. Ltd.	Supervisory Services of one no. service Engineer of OEM	1,37,234.00	Services
71.	400/RG7 PP/BMD-I/393 DT.15 07.2023	M/s IRC Engineering Services India Pvt Ltd	Work of oxide layer thickness measurement testing of boiler tubes	4,13,000.00	Services
72.	07/Xen/CMD-I/RGTPP/2023-24/F-767 dated:05.07.2023	M/s Pharpur Cooling Tower	Uniform water flow distribution in the cooling tower Unit-I by through cleaning of splash nozzle and distribution pipe	24,78,000.00	Services
73.	382/RGTPP/BMD-I/355 DT 28.06.2023	M/s SUN GENTECH PVT.LTD	Supervisory services of nine no ex-Bhel /ex-Ntpc persons for boiler and its auxiliaries installed in unit -I	11,62,626.00	Services
74.	384/RGTPP/BMD-I/363 DT.28 06.2023	M/s SUPER TRADERS & ENGINEER!	Repairing to RC -feeder gear boxes of coal mill	96,760.00	Services
75.	02/RGTPP/BMD-I 1/367/2020-2021 DT.28 07.2021	TEFUGEN TECHNOLOGIES PVT.LTD	CARRYING OUT CLEAN AIR FLOW AND DIRTY AIR FLOW TESTING OF COAL MILLS	3,52,885.00	Services
76.	126/C&I-I/RGTPP/113 DATED 03.07.23	M/S Control Component India Pvt. Ltd	Deputation of service engineer for supervisory services for checking the healthiness of HP /LP bypass valves during forthcoming overhauling	2,23,015.00	Services
77.	392/RGTPP/BMD-I/352 DT.04.07.2023	M/s IRC Engineering Services India Pvt. Ltd	Work of radiography fibroscopy and thickness measurement of boiler tubes	12,15,282.00	Services
78.	380/RGTPP/BMD-I/351 DT.02.06.2023	M/s SUNY INSULATION (INDIA)	THERMAL INSULATION WORKS PERTAINING TO BOILER TURBINE & ITS AUXILIARIES OF UNIT-1	9,90,583.00	Services
79.	374/RGTPP/BMD-I/345 DT.01.05.2023	M/s Ons Mechon Projects Pvt Ltd	For repairing of ceramic line pulverized coal pipes and bends of coal mill	3,85,506.00	Services
80.	06/XEN/CMD-1/RGTPP/F-738 dt 05.07.2023	M S Contractor	Work of desiltation of one no cooling tower basin and cleaning of one no CW duct	3,00,900.00	Services
			Total	11,86,81,166.00	

Overhauling regarding expenses for the F/y 2023-24 in respect of PAS, Panipat

Sr. No.	Unit	Amount
1	Total unit-6 (Material)	10,99,99,716.79
2	Total unit-7 (Material)	9,09,95,726.95
3	Total unit-8 (Material)	6,25,71,941.36
4	Total unit-6 (services)	6,79,55,453.70
5	Total unit -7 (services)	2,81,49,916.78
6	Total unit-8 (services)	2,74,04,993.72
	Total	38,70,77,749.30

Sr no.	Unit	Voucher no	Voucher date	Narration	Amount	Acct. full	Account description	Type of work
1	PTPS Unit -6 (210 MW)	2023040000401	17-04-2021	BEING ADJUSTMENT OF BILL OF M/S UNI-TECH TESTING AND CALIBRATION VIDE INVOICE NO. UTC- 22236 DT. 24/3/2023 UNDER W.O.NO. 16/2022- 23/EMD-V/52 DT. 9/3/2023.	11342.96	74.126	Expenditure on Overhauling of 6 Units	MATERIAL

2	PTPS Unit -6 (210 MW)	2023080005877	31-08-2023	MATERIAL ISSUE FROM BMD STORE BYSIV PAGES FOR THE MONTH OF 08/2023	698607	74.126	Expenditure on Overhauling of 6 Units	MATERIAL
3	PTPS Unit -6 (210 MW)	2023110009451	30-11-2023	MATERIAL ISSUED BY SIV PAGES FOR THE MONTH OF 11/2023	4775057	74.126	Expenditure on Overhauling of 6 Units	MATERIAL
4	PTPS Unit -6 (210 MW)	2024010011916	31-01-2024	SIV FOR THE MONTH OF JAN 2024	11224399	74.126	Expenditure on Overhauling of 6 Units	MATERIAL
5	PTPS Unit-6 (210 MW)	2024020013067	29-02-2024	SIV FOR THE MONTH OF FEB 2024	76877590.19	74.126	Expenditure on Overhauling of 6 Units	MATERIAL
6	PTPS Unit -6 (210 MW)	2024020013070	29-02-2024	VALUE ADJUSTMENT FOR THE MONTH OF FEB 2024 ONA/C OF ADJUSTMENT OF 2ND PERMANENT IMPEREST OF SH. MUKESH KUMAR FM-IV E.CODE NO. 3751 O/O XEN/BMD-IV	-3.2	74.126	Expenditure on Overhauling of 6 Units	MATERIAL
7	PTPS Unit -6 (210 MW)	2024030013200	12-03-2024	ONA/C OF ADJUSTMENT OF 2ND PERMANENT IMPEREST OF SH. NIRANJAN LAL, JE E.CODE NO. 1963 O/O XEN/EMD-IV	22654	74.126	Expenditure on Overhauling of 6 Units	MATERIAL
8	PTPS Unit -6 (210 MW)	2024030013185	12-03-2024	ONA/C OF ADJUSTMENT OF 2ND PERMANENT IMPEREST OF SH. NIRANJAN LAL, JE E.CODE NO. 1963 O/O XEN/EMD-IV	8496	74.126	Expenditure on Overhauling of 6 Units	MATERIAL
9	PTPS Unit -6 (210 MW)	2024030013174	12-03-2024	ON A/C OF ADJUSTMENT OF PERMANENT IMPEREST OF SH. RAJESH KUMAR, JE E CODE NO. 4389 O/O XEN/TG MTC-IV	21240	74.126	Expenditure on Overhauling of 6 Units	MATERIAL
10	PTPS Unit -6 (210 MW)	2024030013182	12-03-2024	ON A/C OF ADJUSTMENT OF PERMANENT IMPEREST OF SH. RAJESH KUMAR, JE E CODE NO. 4389 O/O XEN/TG MTC-IV	16933	74.126	Expenditure on Overhauling of 6 Units	MATERIAL
11	PTPS Unit -6 (210 MW)	2024030013183	12-03-2024	ON A/C OF ADJUSTMENT OF PERMANENT IMPEREST OF SH. RAJESH KUMAR, JE E CODE NO. 4389 O/O XEN/TG MTC-IV	17653	74.126	Expenditure on Overhauling of 6 Units	MATERIAL
12	PTPS Unit -6 (210 MW)	2024030013173	12-03-2024	ON A/C OF ADJUSTMENT OF PERMANENT IMPEREST OF SH. RAJVIR SINGH, JE E.CODE NO. 11066 O/O XEN/EMD-IV	10173	74.126	Expenditure on Overhauling of 6 Units	MATERIAL
13	PTPS Unit -6 (210 MW)	2024030013188	12-03-2024	ON A/C OF ADJUSTMENT OF PERMANENT IMPEREST OF SH. SURESH KUMAR, FM-II E.CODE NO. 3722 O/O XEN/TGM-iv	8379	74.126	Expenditure on overhauling of 6 Units	MATERIAL
14	PTPS Unit -6 (210 MW)	2024030013571	21-03-2024	ON A/C OF PERMANENT IMPEREST OF SH. MUKESH KUMAR, FM-IV E.CODE NO. 3751 O/O XEN/BMD-IV, JNIT-6	22091	74.126	Expenditure on Overhauling of 6 Units	MATERIAL
15	PTPS Unit -6 (210 MW)	2024030013683	26-03-2024	ON ACCOUNT OF ADJUSTMENT OF EXCESS BOOKING 'OR THE DIFFERENT DIVISIONS IN WHICH THE ITEMS XRE DEPRICIATED EARLIER IS HEREBY ADJUSTED FOR "HE 47 ITEMS	-127290.24	74.126	Expenditure on Overhauling of 6 Units	MATERIAL
16	TPS Unit -6 (210 MW)	2024030014166	29-03-2024	ADJUSTMENT PAYMENT OF TEMPORARY IMPERSTO H. RAJESH KUMAR, JE (E CODE-4389) OFFICE OF EN/TG-IV	27452	74.126	Expenditure on Overhauling of 6 Units	MATERIAL

17	PTPS Unit -6 (210 MW)	2024030014265	29-03-2024	FINAL ADJUSTMENT OF PERMANENT IMPERSTTO SH. RAJESH KUMAR, JE-I (E CODE-4389) OFFICE OF XEN /TG MTC-IV	22114	74.126	Expenditure on MATERIAL Overhauling of 6 Units
18	PTPS Unit -6 (210 MW)	2024030014267	29-03-2024	FINAL ADJUSTMENT OF TEMPORARY IMPERSTTOSH. MUKESH KUMAR, FM-IV (E CODE-3751) OFFICE OF XEN/BMD-IV	22750	74.126	Expenditure on MATERIAL Overhauling of 6 Units
19	PTPS Unit -6 (210 MW)	2024030014269	29-03-2024	FINAL ADJUSTMENT OF TEMPORARY IMPERSTTOSH. MUKESH KUMAR, FM-IV (E CODE-3751) OFFICE OF XEN /BMD-IV	23517	74.126	Expenditure on MATERIAL Overhauling of 6 Units
20	PTPS Unit-6 (210 MW)	2024030014270	29-03-2024	FINAL ADJUSTMENT OF TEMPORARY IMPERSTTOSH. MUKESH KUMAR, FM-IV (E CODE-3751) OFFICE OF XEN /BMD-IV	22609	74.126	Expenditure on MATERIAL Overhauling of 6 Units
21	PTPS Unit-6 (210 MW)	2024030014250	29-03-2024	NADJUSTM.ENT PAYMENT OF PERMANENT IMPERST TO SH. MUKESH KUMAR, FM-IV(E CODE-3751) OFFICE OF XEN BMD-IV	22508	74.126	Expenditure on MATERIAL Overhauling of 6 Units
22	PTPS Unit-6 (210 MW)	2024030013953	29-03-2024	ON A/C OF FINAL ADJUSTMENT OF PERMANENT IMPEREST OF SH. SURESH KUMAR, FM-II E.CODE NO. 3722 O/O XEN/TG.MTC.-IV	10000	74.126	Expenditure on MATERIAL Overhauling of 6 Units
23	PTPS Unit-6 (210 MW)	2024030014028	29-03-2024	ON A/C OF FINAL ADJUSTMENT OF TEMPORARY IMPEREST OF SH. JAGDISH CHANDER, FM-IV E.CODE NO. 3629 O/O XEN/C&I-IV	14000	74.126	Expenditure on MATERIAL Overhauling of 6 Units
24	PTPS Unit -6 (210 MW)	2024030014036	29-03-2024	ON A/C OF FINAL ADJUSTMENT OF TEMPORARY~ IMPEREST OF SH. RAJVIR SINGH, JE E.CODE NO. 11066 O/O XEN/EMD-IV	15000	74.126	Expenditure on MATERIAL Overhauling of 6 Units
25	PTPS Unit-6 (210 MW)	2024030014033	29-03-2024	ON A/C OF FINAL ADJUSTMENT OF TEMPORARY IMPEREST OF SH. SHIV KUMAR, JE-I E.CODE NO. 9411 O/O XEN/TG-IV	26430	74.126	Expenditure on MATERIAL Overhauling of 6 Units
26	PTPS Unit -6(210 MW)	2024030014000	29-03-2024	ON A/C OF FINAL ADJUSTMENT OF TEMPORARY IMPEREST OF SH. SURESH KUMAR, FM-II E.CODE NO. 3722 O/O XEN/TG-IV	26337	74.126	Expenditure on MATERIAL Overhauling of 6 Units
27	PTPS Unit -6 (210 MW)	2024030014298	31-03-2024	MRN, MTN, STORE ADJUSTMENT, INTER STORESRV FOR THE MONTH OF MARCH 2024	-646683.45	74.126	Expenditure on MATERIAL Overhauling of 6 Units
28	PTPS Unit -6 (210 MW)	2024030014296	31-03-2024	SIV MARCH 2024	16826361.53	74.126	Expenditure on MATERIAL Overhauling of 6 Units
	Total unit-6 (Material)				109999716.8		
1	PTPS Unit -7 (250 MW)	2023040000401	17-04-2023	BEING ADJUSTMENT OF BILL OF M/S UNI-TECH TESTING AND CALIBRATION VIDE INVOICE NO. UTC- 22236 DT. 24/3/2023 UNDER W.O.NO. 16/2022- 23/EMD-V/52 DT.	13503.52	74.126	Expenditure on MATERIAL Overhauling of 6 Units

				9/3/2023.				
2	PTPS Unit -7 (250 MW)	2023050002579	31-05-2023	MATERIAL ISSUED BY SIV PAGES FOR THE MONTH OF 05/2023	90270	74.126	Expenditure on Overhauling of 6 Units	MATERIAL
3	PTPS Unit -7 (250 MW)	2023060002947	27-06-2023	ON ACCOUNT OF ADJUSTMET PAYMENT OF ~ TEMPORARY IMPERST TO SH. ZAHID ALI, JE-I (E CODE- 0217) OFFICE OF XEN BMD-V	8378	74.126	Expenditure on Overhauling of 6 Units	MATERIAL
4	PTPS Unit -7 (250 MW)	2023070003720	14-07-2023	ON ACCOUNT OF ADJUSTMENT PAYMENT OF PERMANENT IMPEREST TO SH. RAMPAL SINGH, JE-I (E CODE-1256) OFFICE OF XEN C&l-V	1080	74.126	Expenditure on Overhauling of 6 Units	MATERIAL
5	PTPS Unit -7 (250 MW)	2023090006359	20-09-2023	DURING THE RECONCILATION IT IS NOTICED THAT THE NUMBER OF SIV's ISSUED BEFORE FEB-2023 HAVE NOT BEEN ACCOUNT FAR IN THE BOOKES OF ACCOUNTS. ENTRY OF MISSING SIV's IS HEREBY ADJUSTED.	1569334	74.126	Expenditure on Overhauling of 6 Units	MATERIAL
6	PTPS Unit -7 (250 MW)	2023090007034	30-09-2023	MATERIAL ISSUED IN BMD STORE BY SIV PAGES FOR THE MONTH OF 09/2023	24303679	74.126	Expenditure on Overhauling of 6 Units	MATERIAL
7	PTPS Unit -7 (250 MW)	2023100008405	31-10-2023	MATERIAL ISSUED IN BMD STORE BY SIV PAGES FOR THE MONTH OF 10/2023	22952145	74.126	Expenditure on Overhauling of 6 Units	MATERIAL
8	PTPS Unit -7 (250 MW)	2023100008434	31-10-2023	MATERIAL ISSUED IN BMD STORE BY SIV PAGES FOR THE MONTH OF 10/2023	729337	74.126	Expenditure on Overhauling of 6 Units	MATERIAL
9	PTPS Unit -7 (250 MW)	2023100008439	31-10-2023	MATERIAL ISSUED IN BMD STORE BY SIV PAGES FOR THE MONTH OF 10/2023	1455101	74.126	Expenditure on Overhauling of 6 Units	MATERIAL
10	PTPS Unit -7 (250 MW)	2023100008506	31-10-2023	MATERIAL ISSUED IN BMD STORE BY SIV PAGES FOR THE MONTH OF 10/2023	37056071	74.126	Expenditure on Overhauling of 6 Units	MATERIAL
11	PTPS Unit -7 (250 MW)	2023100008413	31-10-2023	MATERIAL ISSUED IN BMD STORE BY SIV PAGES FOR THE MONTH OF 10/2023	2207735	74.126	Expenditure on Overhauling of 6 Units	MATERIAL
12	PTPS Unit -7 (250 MW)	2023100008480	31-10-2023	MATERIAL ISSUED IN BMD STORE BY SIV PAGES FOR THE MONTH OF 10/2023	2633618	74.126	Expenditure on Overhauling of 6 Units	MATERIAL
13	PTPS Unit -7 (250 MW)	2023110008768	20-11-2023	ON ACCOUNT OF ADJUSTMENT PAYMENT OF PERMANENT IMPEREST TO SH. KRISHAN KUMAR, AAE-I (E CODE-2706) OFFICE OF XEN TG MTC. -V	7670	74.126	Expenditure on Overhauling of 6 Units	MATERIAL
14	PTPS Unit -7 (250 MW)	2023110008908	24-11-2023	ADJUSMENTOF PERMANENT IMPEREST TO SH. HARI OM VERMA, JE-I (E CODE-3030109) OFFICE OF XEN C&l- V	6183	74.126	Expenditure on Overhauling of 6 Units	MATERIAL
15	PTPS Unit -7 (250 MW)	2023110008909	24-11-2023	ADJUSMENTOF PERMANENT IMPEREST TO SH. HARI OM VERMA, JE-I (E CODE-3030109) OFFICE OF XEN C&l- V	5664	74.126	Expenditure on Overhauling of 6 Units	MATERIAL
16	PTPS Unit -7 (250 MW)	2023110008906	24-11-2023	ADJUSMENT OF 2ND PERMANENT IMPEREST TO SH HARI OM VERMA, JE-I (E CODE-3030109) OFFICE OF XEN C&I V	6124	74.126	Expenditure on Overhauling of 6 Units	MATERIAL
17	PTPS Unit -7 (250 MW)	2023110008905	24-11-2023	ADJUSMENT OF 3RD PERMANENT IMPERESTTO SH HARI OM VERMA, JE-I (E CODE-3030109) OFFICE OF XEN C&l-V	4159	74.126	Expenditure on Overhauling of 6 Units	MATERIAL

18	PTPS Unit -7 (250 MW)	2023110008927	24-11-2023	ADJUSTMENT OF TEMPORARY IMPEREST TO SH. MOHD ZAHID AU, JE (E CODE -10217) OFFICE OF XEN BMD-V	20181	74.126	Expenditure on MATERIAL Overhauling of 6 Units
19	PTPS Unit -7 (250 MW)	2023110008903	24-11-2023	FINAL ADJUSMENT OF TEMPORARY IMPEREST TO SH. HARI OM VERMA, JE-I (E CODE-3030109) OFFICE OF XEN C&I-V	10047	74.126	Expenditure on MATERIAL Overhauling of 6 Units
20	PTPS Unit -7 (250 MW)	2023110008901	24-11-2023	FINAL ADJUSMENT OF TEMPORARY IMPEREST TO SH. RAMPAL SINGH, JE-I (E CODE-1256) OFFICE OF XEN C&I V	9930	74.126	Expenditure on MATERIAL Overhauling of 6 Units
21	PTPS Unit -7 (250 MW)	2023110008952	28-11-2023	ON ACCOUNT OF ADJUSTMENT OF TEMPORARY IMPEREST TO SH. ASHOK KUMAR, JE (E COD-8615) OFFICE OF XEN EMD-V	19895	74.126	Expenditure on MATERIAL Overhauling of 6 Units
22	PTPS Unit -7 (250 MW)	2023110009314	30-11-2023	MATERIAL ISSUED BY SIV PAGES FOR THE MONTH OF 11/2023	1261669	74.126	Expenditure on MATERIAL Overhauling of 6 Units
23	PTPS Unit -7 (250 MW)	2023110009356	30-11-2023	MATERIAL ISSUED BY SIV PAGES FOR THE MONTH OF 11/2023	665797	74.126	Expenditure on MATERIAL Overhauling of 6 Units
24	PTPS Unit -7 (250 MW)	2023110009361	30-11-2023	MATERIAL ISSUED BY SIV PAGES FOR THE MONTH OF 11/2023	71265	74.126	Expenditure on MATERIAL Overhauling of 6 Units
25	PTPS Unit -7 (250 MW)	2023110009451	30-11-2023	MATERIAL ISSUED BY SIV PAGES FOR THE MONTH OF 11/2023	1632809	74.126	Expenditure on MATERIAL Overhauling of 6 Units
26	PTPS Unit -7 (250 MW)	2023120009609	11-12-2023	ON ACCOUNT OF ADJUSTMENT OF TEMPORARY IMPERSTTO SH. MOHD. ZAHID ALI, JE-I (E CODE- 10227) OFFICE OF XEN BMD-V	5428	74.126	Expenditure on MATERIAL Overhauling of 6 Units
27	PTPS Unit -7 (250 MW)	2023120009604	11-12-2023	ON ACCOUNT OF ADJUSTMENT OF TEMPORARY IMPERSTTO SH. MUKESH KUMAR, JE (E CODE-9530) OFFICE OF XEN EMD-V	20000	74.126	Expenditure on MATERIAL Overhauling of 6 Units
28	PTPS Unit -7 (250 MW)	2024020013067	29-02-2024	SIV FOR THE MONTH OF FEB 2024	169579.4	74.126	Expenditure on MATERIAL Overhauling of 6 Units
29	PTPS Unit -7 (250 MW)	2024030013683	26-03-2024	ON ACCOUNT OF ADJUSTMENT OF EXCESS BOOKING FOR THE DIFFERENT DIVISIONS IN WHICH THE ITEMS ARE DEPRICIATED EARLIER IS HEREBY ADJUSTED FOR THE 47 ITEMS	-5302226	74.126	Expenditure on MATERIAL Overhauling of 6 Units
30	PTPS Unit -7 (250 MW)	2024030014298	31-03-2024	MRN, MTN, STORE ADJUSTMENT, INTER STORE SRV FOR THE MONTH OF MARCH 2024	-769861.25	74.126	Expenditure on MATERIAL Overhauling of 6 Units
31	PTPS Unit -7 (250 MW)	024030014296	31-03-2024	SIV MARCH 2024	131162.28	74.126	Expenditure on MATERIAL Overhauling of 6 Units
	Total unit-7 (Material)				90995726.95		
1	PTPS Unit -8 (250 MW)	2023040000401	17-04-2023	BEING ADJUSTMENT OF BILL OF M/S UNI-TECH TESTING AND CALIBRATION VIDE INVOICE NO. UTC- 22236 DT. 24/3/2023 UNDER W.O.NO. 16/2022- 23/EMD-V/52 DT.	13503.52	74.126	Expenditure on MATERIAL Overhauling of Units

				9/3/2023.				
2	PTPS Unit -8 (250 MW)	2023040001308	28-04-2023	ON ACCOUNT OF ADJUSTMENT OF GEN. STORE FOR THE MONTH 04.2023 FROM SIV PAGES.	177128.00	74.126	Expenditure on Overhauling of Units	MATERIAL
3	PTPS Unit -8 (250 MW)	2023040001346	30-04-2023	MATERIAL ISSUED BY SIV PAGES FOR THE MONTH OF 04/2023	25558868.00	74.126	Expenditure on Overhauling of Units	MATERIAL
4	PTPS Unit -8 (250 MW)	2023040001351	30-04-2023	ON A/C OF MATERIAL ISSUED BY SIV PAGES IN CHM STORE FOR THE MONTH OF 4-2023	59000.00	74.126	Expenditure on Overhauling of Units	MATERIAL
5	PTPS Unit -8 (250 MW)	2023040001352	30-04-2023	ON A/C OF MATERIAL ISSUED BY SIV PAGES IN TG-II STORE FOR THE MONTH OF 4/2023	1513002.00	74.126	Expenditure on Overhauling of Units	MATERIAL
6	PTPS Unit -8 (250 MW)	2023060003557	30-06-2023	MATERIAL ISSUED BY SIV PAGES FOR THE MONTH OF 06/2023	523684.00	74.126	Expenditure on Overhauling of Units	MATERIAL
7	PTPS Unit -8 (250 MW)	2023060003565	30-06-2023	MONTHLY ACCOUNT BMD STORE 06/2023 ISSUED	521271.00	74.126	Expenditure on Overhauling of Units	MATERIAL
8	PTPS Unit -8 (250 MW)	2023070004061	24-07-2023	ON ACCOUNT OF BILL OF M/S VIJAY AUTOMOBILES PANIPAT AGAINST WORK ORDER NO.28/CH-16/2023-24/TG-8/54 DATED 12.05.2023 AND 23/CH-11/2022- 23/TG-8/54 DATED 12.03.2023 VIDE BILL NO 230 DATED 16.05.2023 AND 231 DATED 17.05.2023 FOR MACHINING WORKS EXPECTED DURING CAPITAL OVERHAULING	24165.60	74.126	Expenditure on Overhauling of Units	MATERIAL
9	PTPS Unit -8 (250 MW)	2023080004364	01-08-2023	PAYMENT TO M/S CHANDA CONST. CO. INVOICE NO. PTPS/23-24/34 DT 06.07.2023 AGAINST WO. NO. 13/23 24/BMD-8/10 DT 14.06.23 FOR REPAIR AND HARD FACING OF 8 NOS DAMAGED COAL COMPARTMENT	-4720.00	74.126	Expenditure on Overhauling of Units	MATERIAL
10	PTPS Unit -8 (250 MW)	2023080005338	24-08-2023	ADJUSTMENT OF BILL OF M/S PRESS TOOL INDUSTRIES PVT. LTD AGAINST WORK ORDER NO.46/2022-23/BMD- 8/10 VOL-XVII DATED 06.03.2023 FOR REPAIR OF DAMAGED WEDGE OF MAIN STEAM SHOP VALVES	483800.00	74.126	Expenditure on Overhauling of Units	
11	PTPS Unit -8 (250 MW)	2023080005335	24-08-2023	EXCESS LIABILITY WITHDRAWN AGAINST BILL OF M/S DESWAL ERECTOR, PANIPAT AGAINST WORK ORDER NO.14/2023-24/BMD-8/345 DATED 21.06.2023 VIDE BILL NO.106 DATED 04.08.2023 FOR INSTALLATION AND COMMISSING OF THE NEW POROUS STONE IN ESP HOPPERS.	-79202.00	74.126	Expenditure on Overhauling of Units	MATERIAL
12	PTPS Unit -8 (250 MW)	2023090006061	12-09-2023	BILL OF M/S NEETU ENGINEERING WORKS AGAINST WORK OREDR NO 26/CH-28/2022-23/TG-8/70 DATED 17.04.2023 VIDE INVOICE NO. 269 DATED	141600.00	74.126	Expenditure on Overhauling of Units	MATERIAL

				05.07.2023 FOR MACHINING OF TURBINE SPARES DURING OVERHAULING.				
13	PTPS Unit -8 (250 MW)	2023090006351	19-09-2023	DURING THE RECONCILIATION IT IS NOTICED THAT THE NUMBER OF SIV's RELATED FEB. 2023 ONWARD HAVE NOT BEEN ACCOUNT FAR IN THE BOOKES OF ACCOUNTS. ENTRY OF MISSING SIV's IS HEREBY ADJUSTED	5686078.00	74.126	Expenditure on MATERIAL Overhauling of Units	
14	PTPS Unit -8 (250 MW)	2023090006359	20-09-2023	DURING THE RECONCILIATION IT IS NOTICED THAT THE NUMBER OF SIV's ISSUED BEFORE FEB-2023 HAVE NOT BEEN ACCOUNT FAR IN THE BOOKES OF ACCOUNTS. ENTRY OF MISSING SIV's IS HEREBY ADJUSTED	3172491.00	74.126	Expenditure on MATERIAL Overhauling of Units	
15	PTPS Unit -8 (250 MW)	2023090006483	25-09-2023	BILL OF M/S BHEL PANCHKULA, INVOICE NO 9600PN0223/I0612 DT 20.07.2023 AGAINST WO. NO 25/TGM-8/160/2022-23 DT 23.0323 FOR EXTRA WORK OF MODULE INCLUDING MPI/NFT OF LP ROTOR & RELATED WORK DURING OVERHAULING	238950.00	74.126	Expenditure on MATERIAL Overhauling of Units	
16	PTPS Unit -8 (250 MW)	2023100008405	31-10-2023	MATERIAL ISSUED BY SIV PAGES FOR THE MONTH OF 10/2023	1753597.00	74.126	Expenditure on MATERIAL Overhauling of Units	
17	PTPS Unit -8 (250 MW)	2023100008439	31-10-2023	MATERIAL ISSUED BY SIV PAGES FOR THE MONTH OF 10/2023	94342.00	74.126	Expenditure on MATERIAL Overhauling of Units	
18	PTPS Unit -8 (250 MW)	2023100008506	31-10-2023	MATERIAL ISSUED BY SIV PAGES FOR THE MONTH OF 10/2023	248508.00	74.126	Expenditure on MATERIAL Overhauling of Units	
19	PTPS Unit -8 (250 MW)	2023100008413	31-10-2023	MATERIAL ISSUED BY SIV PAGES IN TG-I FOR THE MONTH OF 10/2023	18185.00	74.126	Expenditure on MATERIAL Overhauling of Units	
20	PTPS Unit -8 (250 MW)	2023110009314	30-11-2023	MATERIAL ISSUED BY SIV PAGES FOR THE MONTH OF 11/2023	17346.00	74.126	Expenditure on MATERIAL Overhauling of Units	
21	PTPS Unit -8 (250 MW)	2023110009361	30-11-2023	MATERIAL ISSUED BY SIV PAGES FOR THE MONTH OF 11/2023	4409362.00	74.126	Expenditure on MATERIAL Overhauling of Units	
22	PTPS Unit -8 (250 MW)	2023110009379	30-11-2023	MATERIAL ISSUED BY SIV PAGES FOR THE MONTH OF 11/2023	185602.00	74.126	Expenditure on MATERIAL Overhauling of Units	
23	PTPS Unit -8 (250 MW)	2023110009451	30-11-2023	MATERIAL ISSUED BY SIV PAGES FOR THE MONTH OF 11/2023	299880.00	74.126	Expenditure on MATERIAL Overhauling of Units	
24	PTPS Unit -8 (250 MW)	2023120009716	14-12-2023	ON ACCOUNT OF ADJUSTMENT OF PERMANENT IMPREST OF SH. SURESH KUMAR JE E. CODE-2842 FOR THE MONTH 11/2023 AND 12/2023.	6257.00	74.126	Expenditure on MATERIAL Overhauling of Units	
25	PTPS Unit -8 (250 MW)	2023120010667	31-12-2023	MATERIAL ISSUED BY SIV PAGES FOR THE MONTH OF 12/2023	338741.00	74.126	Expenditure on MATERIAL Overhauling of Units	
26	PTPS Unit -8 (250 MW)	2023120010686	31-12-2023	MATERIAL ISSUED BY SIV PAGES FOR THFMONTH OF 12/2023	97389.00	74.126	Expenditure on MATERIAL Overhauling of Units	
27	PTPS Unit -8 (250 MW)	2023120010733	31-12-2023	MATERIAL ISSUED BY SIV PAGES FOR THE MONTH OF 12/2023	698113.00	74.126	Expenditure on MATERIAL Overhauling of Units	
28	PTPS Unit -8 (250 MW)	2023120010726	31-12-2023	MATERIAL ISSUED BY SIV	2179084.00	74.126	Expenditure on MATERIAL	

				PAGES IN BMD STORE FOR THE MONTH OF 12/2023			Overhauling of Units	
29	PTPS Unit -8 (250 MW)	2023120010665	31-12-2023	MATERIAL ISSUED BY SIV PAGES IN GEN STORE FOR THE MONTH OF 12/2023	20650.00	74.126	Expenditure on Overhauling of Units	MATERIAL
30	PTPS Unit -8 (250 MW)	2023120010680	31-12-2023	MATERIAL ISSUED BY SIV PAGES IN TG-I STORE FOR THE MONTH OF 12/2023	16154810.00	74.126	Expenditure on Overhauling of Units	MATERIAL
31	PTPS Unit -8 (250 MW)	2024010010679	09-01-2024	ON ACCOUNT OF ADJUSTMENT OF PERMANENT MPREST OF SH. SANJIV KUMAR JE-I E. CODE-10113 FOR THE MONTH DECEMBER 2023 2ND.	4696.00	74.126	Expenditure on Overhauling of Units	MATERIAL
32	PTPS Unit -8 (250 MW)	2024010010677	09-01-2024	ON ACCOUNT OF ADJUSTMENT OF PERMANENT IMPREST OF SH. SURESH KUMAR JE E. CODE-2842 FOR THE MONTH 12/2023 (2ND).	6299.00	74.126	Expenditure on Overhauling of Units	MATERIAL
33	PTPS Unit -8 (250 MW)	2024010011100	24-01-2024	ON ACCOUNT OF ADJUSTMENT OF TEMP. ADVANCE OF SH. SURESH KUMAR, JE E. CODE 2842 AGAINST O/O NO 5/2023-24/BMD-8/17 DT 20.12.2023	21240.00	74.126	Expenditure on Overhauling of Units	MATERIAL
34	PTPS Unit -8 (250 MW)	2024010011916	31-01-2024	SIV FOR THE MONTH OF JAN 2024	1207653.00	74.126	Expenditure on Overhauling of Units	MATERIAL
35	PTPS Unit -8 (250 MW)	2024020013067	29-02-2024	SIV FOR THE MONTH OF FEB 2024	169579.40	74.126	Expenditure on Overhauling of Units	MATERIAL
36	PTPS Unit -8 (250 MW)	2024030013683	26-03-2024	ON ACCOUNT OF ADJUSTMENT OF EXCESS BOOKING FOR THE DIFFERENT DIVISIONS IN WHICH THE ITEMS ARE DEPRICIATED EARLIER IS HEREBY ADJUSTED FOR THE 47 ITEMS	-3301291.18	74.126	Expenditure on Overhauling of Units	MATERIAL
37	PTPS Unit -8 (250 MW)	2024030014298	31-03-2024	MRN, MTN, STORE ADJUSTMENT, INTER STORE SRV FOR THE MONTH OF MARCH 2024	-769861.26	74.126	Expenditure on Overhauling of Units	MATERIAL
38	PTPS Unit -8 (250 MW)	2024030014296	31-03-2024	SIV MARCH 2024	682141.28	74.126	Expenditure on Overhauling of Units	MATERIAL
	Total Unit-8 (Material)				62571941.36			

Abstract (Expenditure on Overhauling of Units.)			
Service Value	Material Value	Liability Withdraw	Closing Balance
731,600.00	23,659.00	13,452.00	
4,224.00	84,075.00	16,292.00	
492,178.00	84,075.00	36,580.00	
492,178.00	2,664,683.30	36,580.00	
265,877.00	2,664,683.30	731,600.00	
58,410.00	0.00	0.00	
162,250.00	0.00	0.00	
148,031.00	0.00	0.00	
62,540.00	0.00	0.00	
62,540.00	0.00	0.00	
406,534.00	0.00	0.00	
575,651.00	0.00	0.00	
Total = 3462013	Total = 5521175.60	0.00	
Grand Total = 8983188.6 (A)		834504 (B)	8148684.60 (A-B) Net Value

Detail of GH: - 74.126 in respect of DCRTTP Yamunanagar for the FY 2023-24						
Date	Voucher No	type	Detail Narration	Debit Amount	Credit Amount	Remarks
Account Code	74.126		Expenditure on Overhauling of Units			
Opening Balance						
18-Apr-2023	2023040000187	JRN	Adjustment of M/s Universal Engg. Co. Aligarh vide Invoice no 35/DCRTPP/HPCI dt 11-03-2023 against WO no. 21/bm-ii/47/2022-23 dt 18-01-2023 for inspection and replacement of decolored boiler tubes	7,31,600.00		Service
19-Apr-2023	2023040000234	JRN	WITHDRAWAL OF LIABILITY OF M/S AUMA (INDIA) PVT Ltd., BANGLORE AGAINST W O NO. 05/MP/C&I-I/SSE/ELECFRICAL ACTUATOR/189 DT 07.10 2021 LIABILITY CREATE VIDE JV NO 2022030007015 DT 31 03.2022.		13,452.00	Liability Withdraw
15-May-2023	2023050000684	JRN	BEING ADJUSTMENT OF M/S SHIV SHAKTI ENGG YNR AGAINST WORK ORDER NO 31/MP/C&I-11/221 DT 31 10 2022. VIDE BILL NO GST-63 DT20 12 2022		16,292.00	Liability Withdraw
15-May-2023	2023050000690	JRN	ADJUSTMENT OF BILL OF M/S DYNAMIC EDGE NSOLUTIONS FOR THE MONTH OF MARCH AGAINST W O NO 19/MP/EMD-II/196 DT 3.10 2022 VIDE Bit. NO. 284 DT 28.11.2022	4,224.00		Service
31 -May-2023	2023050001026	JRN	WRONGLY BOOKED UNDER GH- 46 430 INSTEAD OF 74 126 AGAINST W O NO 04/DCRTPP/TGM-I/165 DT 12.08.2021 OF M/S SHANGHAI ELECTRI INDIA (P) LTD GURGAON.	4,92,178.00		Service
31 -May-2023	2023050001026	JRN	WRONGLY BOOKED UNDER GH- 46.430 INSTEAD OF 74 126 AGAINST W O NO 04/DCRTPP/TGM-I/165 DT. 12.08.2021 OF M/S SHANGHAI ELECTRI INDIA (P) LTD GURGAON	4,92,178.00		Service
10-Jul-2023	2023070001732	JRN	ON ACCOUNT OF PAYMENT M/S Amazon Engineering and Service AGAINST W O NO. 24/MP/TG-II/192 DT 6 10 2022 VIDE BILL NO.AFS-GTI-2223 DT 24 2 2023. FILE NO. 698/OTHERS	2,65,877.00		Service
10-Jul-2023	2023070001765	JRN	ON ACCOUNT OF PAYMENT M/S VERTIV ENGERY PRIVATE LTD AGAINST W O NO, 24/C& I-II/109/Vol I DT.07 09.2022 VIDE BILL NO 23204BO1712 DT. 12.12.22, FILE NO 713/OTHERS	58,410.00		Service
21-Jul-2023	2023070002018	JRN	WITHDRAW OF LIABILITY OF M/S ROTORK (INDIA) PVT LTD AGAINST WO NO 81/MP/C&I-II/ROTORK/133/2017/2017 DT 20.09.2017.		36,580.00	Liability Withdraw
21-Jul-2023	2023070002018	JRN	WITHDRAW OF LIABILITY OF M/S ROTORK (INDIA) PV i^ LTD AGAINST WO NO. 81/MP/C&I-U/ROTORK/133/2017/2017 DT 20 09 2017		36,580.00	Liability Withdraw
31-Jul-2023	2023070002494	JRN	Adjustment of Store Account of O&M Spares for the Month of July-2023 as per list attached	23,659.00		Material
02-Aug-2023	2023080002275	JRN	ADJUSTMENT OF BILL OF M/S SHREE PARVATHY VALUE CONSULTNT KERALA AGAINST W O NO 46/MP/BMD 11/231/DT15/11/2022 VIDE BILL NO 20202333 DT 12/12/22FILE NO 760	1,62,250.00		Service
03-Aug-2023	2023080002313	JRN	ADJUSTMENT OF BILL OF M/S NICCO ENGINEERING SERVICE LTD AGAINST W O NO 41/MP/BMD-II/236 DT. 11.11.2022 VIDE BILL NO. 17T/E/2223/0044 DT 28 12 2022 FILE NO. 774	1,48,031.00		Service
04-Aug-2023	2023080002367	JRN	BEING ADJUSTMENT TO M/S APEX PROJECT VIDE INVOICE NO.AP/112/023-024 DT 21.06 2023 AGAINST WO. NO. 40/MP/BMD- II/207 DT 14.11.22 FILE NO 755 (OTHER)	62,540.00		Service
04-Aug-2023	2023080002367	JRN	BEING ADJUSTMENT TO M/S APEX PROJECT VIDE INVOICE NO.AP/112/023-024 DT 21.06 2023 AGAINST W.O. NO 40/MP/BMD- 11/207 DT. 14.11 22. FILE NO 755 (OTHER)	62,540.00		Service
12-Sep-2023	2023090003108	JRN	BEING ADJUSTMENT TO M/S SATYAM ENGG. FOR INVOICE NO. SE/2023-24/11 DT. 24.08 2023 AGAINST W.O. NO. 44/MP/BMD-II/206 DT. 14.11.22	4,06,534.00		Service
10-Nov-2023	2023110004514	JRN	WITHDRAWAL OF LIABILITY OF MS UNIVERSAL ENGG CO AGAINST W.O. NO 21/BM-II/47/2022-23 FT 18.01.2023 FILE NO 749 OTHER		7,31,600.00	Liability Withdraw
05-Dec-2023	2023120004918	JRN	BEING ADJUSTMENT OF BILL OF M/S R M. TRIPATHI PVT. LTD.AGAINST W O NO 45/MP/BMD-II/210 DT 14 11.2022. BILL NO. DCRTPP/61 DT. 9.11.2023 FILE NO 585	5,75,651.00		Liability Withdraw
29-Feb-2024	2024020006975	JRN	BEING STORE ACCOUNT MAINTAINED FOR THEMONT OF FEB 2024 OF O&M MATERIAL IN RESPECT OF DCRTTP, YAMUNANAGAR M	84,075.00		Material
29-Feb-2024	2024020006975	JRN	BEING STORE ACCOUNT MAINTAINED FOR THEMONT OF FEB 2024 OF O&M MATERIAL IN RESPECT OF DCRTTP.YAMUNANAGAR.M	84,075.00		Material
31-Mar-2024	2024030007997	JRN	BEING STORE ACCOUNT MAINTAINED FOR THEMONT OF MARCH 2024 OF O&M MATERIAL IN RESPECT OF DCRTTP, YAMUNANAGAR.	2,664,683.30		Material
31-Mar-2024	2024030007997	JRN	BEING STORE ACCOUNT MAINTAINED FOR THEMONT OF MARCH 2024 OF O&M MATERIAL IN RESPECT OF DCRTTP. YAMUNANAGAR.	2,664,683.30		Material
			Transaction Total	8,983,188.60	8,34,504.00	
			Closing Balance	8,148,684.60		

”

The similar information was submitted by HPGCL in response to the interim order of the Commission dated 16.01.2025. HPGCL further submitted that in the past margins were there, due to less scheduling, to adjust the cost under the allowed heads. However, after getting the better schedule for Generations, the Plants are required to be upkeep to meet the demand of the State, which leads to have higher R& M, which in turn leaves no margins available under R&M head, thus, the claim has been made as per Regulation 9.9 of the MYT Regulation.

From the above, it is apparent that enough information to enable the Commission to exercise its prudent checks was not provided. The Commission is duty bound to regulate the generation, transmission and distribution keeping in view the interest of consumers. The Commission would have to allow such expenses which are justifiable and can disallow such expenditures which were not justified.

The Commission is constrained to note the submissions made by HPGCL while claiming true-up of the FY 2019-20, recorded in the order of the Commission dated 18.02.2021 (Petition No. 76 of 2020), wherein it was submitted that lower R&M expenses is attributed to the capital overhauling of units of RGTPP Hisar and DCRTTP Yamunanagar; apparently due to the fact that expenditure on capital overhauling was capitalized for amortization in the balance useful life of the plant. The relevant extract of the ibid order is reproduced hereunder:-

“The Commission observes that actual R&M expenses of all the units have remained lower than the approved amount, except for RGTPS 1 and DCRTPS-2. HPGCL in its reply dated 08.01.2021 has explained that the same is due to capital overhauling of units at RGTPP Hisar & DCRTTP, Yamunanagar, undertaken in the FY 2019-20. The Commission observes that overall O&M expenses actually incurred by HPGCL has also remained within the approved amount.” (page 73 of the order dated 18.02.2021)

However, in the present petition, HPGCL has claimed higher R&M on account of capital overhauling.

HPGCL has proposed capital overhauling expenditure for the FY 2026-27

and FY 2027-28, as part of CAPEX. However, no justification was provided for claiming the same as part of R&M expenses in the FY 2023-24, over and above the approved norms. Thus, HPGCL is claiming capital overhauling expenditure as part of CAPEX and R&M, as per its whims and fancies. In case a generator is allowed pass through of expenditure of capital nature as revenue expenditure, then there will not be any sanctity of approval of capital investment plan and vice-versa. Similarly, allowance of uncontrolled R&M expenses, will render the mechanism of determination of norms of repair and maintenance expenses in MYT Regulations, completely otiose.

The Commission observes that HPGCL has incurred R&M expenses amounting to Rs. 416.27 crore (excluding solar business of Rs 0.92 Cr and SLDC charges of Rs. 6.02 Cr and inclusive of coal handling expenses of Rs. 69.38 crore, water charges of Rs. 73.60 crore and capital overhauling expenses of Rs. 93.46 crore) during the FY 2023-24, as against the approved limit of Rs 200.141 Crore.

In view of the above, the true-up of R&M expenses for the FY 2023-24 is approved at Rs. Rs 36.80 Cr. towards the additional claim of raw water charges on account of change in law (HWRA notification).

True-up of Administrative and General expenses (A&G expenses)

It has been submitted by the petitioner that the A&G expenses approved by the Hon'ble Commission for the FY 2023-24 was Rs. 28.692 cr. As against this the actual A&G expense as per the audited accounts for the year is Rs. 29.12 cr. However, HPGCL has not sought true-up of minor increase in A&G expenses by providing adequate justification for increase in the same. Accordingly, the Commission has not considered the same.

Thus, the true-up amount of O&M expenses for the FY 2023-24 works out to Rs. 131.37 Crore (Rs. 94.57 crore + Rs. 36.80 crore).

15.2 True-up of Depreciation

The Commission has carefully examined the submissions of HPGCL that the actual depreciation amount in the FY 2023-24 was Rs. 219.36 Crores (exclusive of solar business) as against the approved depreciation amount of

Rs. 217.86 Crore. It has been further submitted that the depreciation on account of capitalization of spares and decommissioning cost stands at Rs. 12.58 Cr. Hence, the net allowable depreciation for the FY 2023-24, exclusive of Solar business and depreciation on spares and Decommissioning Cost is Rs. 206.78 Cr (219.36-12.58).

In view of the above, the actual allowable depreciation for the FY 2023-24, works out to Rs. 206.78 Crore as against the approved depreciation of Rs. 217.86 Crore. Consequently, Rs. (Minus) 11.08 Crore has been considered for true-up of depreciation.

15.3 True-up for the Interest and Finance Charges

The Commission has examined the submissions of HPGCL that the actual interest and finance charges of HPGCL was Rs. 18.75 Crore (net of Solar Business) as per the audited accounts for the FY 2023-24, as against the approved interest and finance charges on term loan of Rs 49.02 Crore. Interest on term loan was allowed in the order dated 25.01.2023, as per the existing loan portfolio of HPGCL i.e. post restructuring, subject to true-up.

HPGCL has further submitted that it has paid compensation amounting to Rs. 7.30 Cr. to the land owners of RGTPS, Hisar in compliance to the order of Hon'ble Supreme Court and Rs. 0.46 Cr. to the land owners of PTPS, Panipat in compliance of Hon'ble Punjab & Haryana High Court. The entire compensation is in the nature of capital expenditure of HPGCL and has been entirely funded by the State Govt. by way of equity infusion. However, as per past practice of this Commission, the normative interest expense estimated at Rs 0.23 Cr, has been added to the final true-up amount of the FY 2023-24.

The Commission observes that the petitioner i.e. HPGCL has again sought to retain 50% of the savings and to pass on 50% of the savings on 'interest and finance charges' to the beneficiaries. It needs to be noted that this issue has been discussed at length and decided by the Commission in the previous generation tariff orders (HPGCL) dated 18.02.2021, 25.01.2023 and 25.01.2023. The detailed discussion and the view considered of the Commission as recorded in the order dated 18.02.2021 is reproduced hereunder: -

"The Commission observes that HPGCL has already been allowed benefit

of saving in interest amounting to Rs. 59.84 Crore due to re-structuring in its Order dated 07.03.2019, on the basis of facts and figures placed on record by HPGCL itself. The interest post restructuring projected by HPGCL in its Petition for the FY 2019-20 was Rs. 141.49 Crore, which now on actual basis has been shown as Rs. 102.31 Crore, mainly due to prepayment and general decline in the lending rates in the prevalent market scenario. In such a scenario, even if, HPGCL would have retained the loans from REC/PFC, the applicable rate of interest would have been lower. HPGCL could have negotiated the rate of interest with REC/PFC on the basis of their credit rating and State Sector borrower and get the rate of interest reduced. The reply of HPGCL in this context that these loans were governed by specific terms & conditions and interest rate was not floating, is not found convincing as these loans generally carry reset option of 3 years. The general rate of interest (before negotiation) applicable on REC loan as on 04.04.2018 was 10.90% p.a. & PFC loan as on 15.06.2018, it was 11.40% p.a., applicable for State Sector borrower with A++ category.

Further, the Commission observes the following provisions of Regulation 12 of HERC MYT Regulations, 2012, relating to incentive and penalty framework: -

“12. INCENTIVE AND PENALTY FRAMEWORK

12.1 Various elements of the ARR of the generating company and the licensee will be subject to incentive and penalty framework as per the terms specified in this regulation. The overall aim is to incentivize better performance and penalize poor performance, with the base level as per the norms / benchmarks specified by the Commission.

12.2 The elements of ARR of generating company and licensees to which incentive and penalty framework shall apply are as follows:

a) Common for generating company and licensees

- i.** Operation & maintenance expenses-Applicable when the actual expenses fall below or exceed the level specified by the Commission.
- ii.** **Interest on new long-term loans-** Applicable when **interest rate falls below or exceeds the level** specified by the Commission.
- iii.** **Restructuring of capital cost -** Applicable when there is a **benefit from restructuring of capital cost.**
- iv.** Interest on working capital- Applicable when interest rate falls below or exceeds the level specified by the Commission

- vi. **Restructuring of loan portfolio-** *Applicable when there is a net benefit from restructuring of loan portfolio.”*

(Emphasis added)

The Regulation 12.2 has specified that interest on term loan is subject to incentive and penalty framework on account of changes in the rate of interest, restructuring of capital cost and loan portfolio. While the restructuring of capital cost relates to restructuring of debt & equity, prepayment of debts from introduction of fresh equity/utilization of internal accrual etc. Restructuring of loan portfolio refers to the change in the existing loans w.r.t. the rate of interest/monthly installments/terms & conditions of existing loans etc. In a nutshell, the Regulations provides that all the factors relating to changes in rate of interest, swapping of higher interest-bearing loan with low interest-bearing loans and prepayment of loan from internal accruals, are covered by Incentive and Penalty frameworks specified in Regulation clause 12.2.

HPGCL, in its Petition for the FY 2019-20, has submitted that interest cost after restructuring is Rs. 141.49 Crore, which is after saving of Rs. 119.67 Crore due to such restructuring. Accordingly, HPGCL claimed 50% of such interest saving amounting to Rs. 59.84 Crore (50% of Rs. 119.67 Crore). The Commission in its Order dated 07.03.2019 (HERC/PRO-59 of 2018) had accepted the submissions of HPGCL and approved the interest cost of Rs. 185.22 Crore, after disallowing the loan to be met from Dry Fly Ash Fund i.e. Rs. 141.49 Crore + Rs. 59.84 Crore – Rs. 16.11 Crore. Thus, benefit of interest saving due to restructuring was passed on to HPGCL, in the Order dated 07.03.2019.

Now, while undertaking true-up exercise, actual interest cost has to be compared with the interest cost approved in the Order dated 07.03.2019 and 50% of the difference may be allowed to be kept by HPGCL in line with Regulation clause 12.2 of HERC MYT Regulations, 2012.”

In this regard it is re-iterated that, the decisions of the Commission are considered decisions governed by the principle of ‘Res Judicata’, unless the same is warranted by change in law or decision of authorities of

competent jurisdiction.

Accordingly, true up of interest & finance charges (-) 14.90 Crore is tabulated below: -

Particular	HERC Approved interest & Finance Charges	Actual interest & Finance Charges	Difference	50% of the difference at (A) allowed to be retained by HPGCL	True-up
1	2	3	4 = 3-2	5= 4 *50%	6=4-5
Int.& Fin. Charges (A)	49.02	18.75	30.27	15.13	15.13
Int. On Normative Debt(B)	0	0.23	0.23	-	0.23
Total True up of Int.& Fin. Charges(A-B)	49.02	18.98	30.50		14.90

15.4 True-up of Return on Equity (ROE)

HPGCL has submitted the detail of opening equity, equity addition and required return on equity considered, unit-wise, for the FY 2023-24, as under:

Rs. Crore

Plants	Opening	Additions	Closing	RoE
PTPS – 6	156.882	0.20	157.079	18.32
PTPS – 7	218.089	0.24	218.326	25.46
PTPS – 8	218.309	0.24	218.550	25.49
DCRTPP-1	251.680	0.05	251.728	29.37
DCRTPP-2	251.630	0.05	251.728	29.37
RGTPP-1	496.468	0.15	496.621	57.95
RGTPP-2	494.593	16.00	510.591	58.65
Hydel	18.355	-	18.355	2.33
Total	2,106.007	16.927	2122.934	246.94

The Commission, vide its order dated 25.01.2023, has approved the RoE at Rs. 246.66 crore. Accordingly, Rs. (minus) 0.08 Crore has been considered for true-up of RoE as per the details tabulated below: -

Rs. in crore	PTPS - 6	PTPS - 7	PTPS - 8	DCR TPS 1	DCR TPS 2	RGTPS 1	RGTPS 2	WYC	TOTAL
Approved (A)	18.36	25.56	25.57	29.42	29.41	58.06	57.86	2.41	246.66
Actual worked out (B)	18.32	25.46	25.49	29.37	29.37	57.95	58.65	2.33	246.94
True-up C=B-A	-0.04	-0.09	-0.08	-0.04	-0.04	-0.11	0.79	-0.09	0.29
Plant Availability Factor	72.01%	84.93%	68.73%	91.63%	85.58%	66.05%	45.76%	-	
True up adjusted to	-0.04	-0.09	-0.08	-0.04	-0.04	-0.11	0.43	-0.09	-0.08

Plant availability factor									
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15.5 True-up of interest on working capital

HPGCL has submitted that the Hon'ble Commission, in its Order dated 25.01.2023, while determining generation tariff for the FY 2023-24 had allowed interest on Working Capital amounting to Rs. 155.951 Crore, considering average coal and oil prices, as proposed by it. However, there has been variation in prices of coal and oil during the FY 2023-24. Therefore, while computing the 'truing-up' of Working Capital for the FY 2023-24, actual rate of coal and oil prevailing in the FY 2023-24 has been considered.

HPGCL has submitted that due to variation in Fuel prices, the interest on normative working capital requirement for FY 2023-24, as per HERC approved norms works out to Rs 156.221 Cr as against the approved interest on working capital of Rs 155.951 Cr. Further, HPGCL has sought the Interest on Working Capital @ 10% as against the approved rate of 9.80% (8.3%+1.5%). The actual interest on working capital incurred by HPGCL for the FY 2023-24 was Rs. 129.69 Crore.

The Commission has considered the above submissions and observes that SBI one-year MCLR rate as on 01.04.2023 was 8.50%. Further, Regulation 22.2 of HERC MYT Regulations, 2019 provides as under:-

"22.2 Rate of Interest

Rate of interest on working capital shall be equal to the MCLR of the relevant financial year plus a maximum of 150 basis points. However, while claiming any spread, the generator and the licensees shall submit loan sanction letter from the banks/ lending institutions, indicating the applicable rate of interest.

For the purpose of truing up, the actual weighted average Rate of Interest will be considered on the normative working capital by the Commission, subject to the ceiling margin as indicated above. (Emphasis supplied)

The Commission observes that HPGCL has not submitted loan sanction letters as provided in the regulations, indicating the applicable rate of interest. However, as per the financial statements submitted by HPGCL, the working

capital loans as on 31.03.2024 and 31.03.2023, are Rs. 1779.62 crore and Rs. 1518.62 crore, respectively. The average of the same comes to Rs. 1649.12 crore. The actual interest on working capital incurred by HPGCL, for the FY 2023-24 was Rs. 129.69 crore. Accordingly, the average rate of interest comes out to 7.86% (Rs. 129.69 crore/Rs. 1649.12 crore*100). The Commission has already approved higher rate of interest at 9.80%. Therefore, the claim of HPGCL for a higher rate of interest is not tenable.

The Commission further observes that current (working capital) borrowings of HPGCL as on 31.03.2024 is Rs. 1779.62 crore, on which interest on working capital is being claimed. Whereas, Rs. 900.61 crore is lying in fixed deposits with banks and shown in financial statements as Dry Fly Ash Fund Investment and Depreciation Reserve Fund Investment (Rs. 659.71 crore and Rs. 240.90 crore, respectively). Dry Fly Ash Fund investment has been created on 31.03.2021 and depreciation reserve fund investment on 31.03.2022. Generally, interest rate on working capital loans is higher than interest rate on deposits. Therefore, such adjustments, just to claim higher interest on working capital, particularly by a public utility owned by the State Government, whose cost is borne by electricity consumers of the State, should be avoided. HPGCL has offered interest on deposits (kept as depreciation reserve fund investment) amounting to Rs. 19.04 crore for income tax. However, interest on deposits (kept as Dry Flash Fund investment) amounting to Rs. 80.32 crore, has not been offered for income tax, on the pretext that the same form part of the dry fly ash fund only, as per notification no. 2804/(E) dated 03.11.2009 issued by Ministry of Environment and Forest (MoEF). The relevant part of the ibid notification is reproduced hereunder: -

"(6) The amount collected from sale of fly ash and fly ash based products by coal and/or lignite based thermal power station or their subsidiary or sister concern unit, as applicable should be kept in a separate account head and shall be utilized only for development of infrastructure or facilities, promotion and facilitation activities for use of fly ash until 100% fly ash utilization level is achieved; thereafter as long as 100% fly ash utilization levels are maintained, the thermal

power station would be free to utilize the amount collected for other development programmes also and in case, there is a reduction in the fly ash utilization levels in the subsequent year(s), the use of financial return from fly ash shall get restricted to development of infrastructure or facilities and promotion or facilitation activities for fly ash utilization until 100 percent fly ash utilization level is again achieved and maintained.”

The Commission has examined the notification issued by MoEF and observed that sale proceeds of fly ash has to be utilized only for the development/activities incidental to the utilization of fly ash. The proceeds are required to be kept in a separate account head for utilization for the specific purpose. Ideally, the same should be reduced from the cost of coal, as it is the bye-product of consumption of coal and the funds so generated needs to be utilized for the specific purpose. The treatment of an item of income or expenditure can differ under the Income Tax Act from the regulatory regime. Generally, the generating companies should not have any non-tariff income. The non-operating income of generating company can be on account of interest earned, sale of scrap, ash etc. The same should be reduced from the coal cost/O&M expenses. HPGCL has kept the amount realized from sale of fly ash in a separate reserve since the date of notification in 2009; however, the Dry Fly Ash Fund account has been created in 2021, by transferring the equivalent amount from bank which led to the increase in cash credit loans. Nevertheless, following the past practice, the Commission is not inclined to treat the sale proceeds of fly ash as non-tariff income or as a reduction in coal cost.

Having held as above, the Commission is of the considered view that by virtue of the ibid notification of MoEF, by no stretch of imagination the interest earned on unutilized funds can form part of the said fund. In the ibid notification, a separate account head was desired to be created and not a separate fund. It is on this principle that fund account was not opened by HPGCL till 2021. Further, the Dry Fly Ash reserve/fund is not being utilized and the balance has swelled up to Rs. 659.71 crore as on 31.03.2024.

Similarly, depreciation fund reserve (Rs. 240.90 crore) has been created by transfer from retained earnings. An equivalent amount has been transferred from bank in the fixed deposits as 'depreciation reserve fund' which led to the increase in cash credit loans. The account head under which the funds of a Company are parked does not change its nature. In case, the same is allowed, tomorrow a generating company will create a fund account for future expansion projects by transferring funds from its working capital and claim higher interest on working capital, while keeping deposits lying in the funds out of purview of regulatory regime.

Accordingly, the interest amounting to Rs. 99.36 crore (Rs. 19.04 crore + Rs. 80.32 crore), discussed above, can either form part of non-tariff income or reduced from interest on working capital true-up which is allowed to the extent of actual, as per Regulation 22 of the HERC (MYT) Regulations, 2019, 2nd Amendment Regulations, 2022.

The extract of the relevant regulation is reproduced hereunder: -

***“22. Interest on Working Capital:
Provided that Interest on Working Capital for generators shall be allowed on the basis average PLF / CUF in the preceding 3 years.
Provided further that True up of the interest on working capital shall be limited to the actual interest on working capital”***

In view of the above, the Commission allows true-up of the interest on working capital to the actual level i.e. 30.33 crore (i.e. Rs. 129.69 Crore minus Rs. 99.36 crore) as against the approved amount of Rs. 155.95 Crore. Consequently, Rs. (minus) 125.62 Crore has been considered for true-up of interest on working capital.

Having held as above, the Commission observes that it would not be appropriate to reopen the true-up decided for the FY 2020-21, FY 2021-22 and FY 2022-23, as the same has attained finality.

15.6 True-up of Non-tariff Income

The Commission observes that HPGCL has reported other income (Non-operating Income) of Rs. 5.475 Crore in the FY 2023-24, as detailed below: -

Particulars	Amount (Rs. in crore)
Income from sale of scrap	4.46

Particulars	Amount (Rs. in crore)
50% of other income	1.015
Total	5.475

Details of other income, as per audited financial statements of HPGCL for the FY 2023-24, has been tabulated as under: -

Particulars	Amount (Rs. in crore)
Delayed payment charges	30.07
Holding cost	16.65
Interest income	1.02
Income from sale of scrap	4.46
Income from sale of land	3.58
Other Income	3.10
Total	58.88

The Commission, in its earlier orders, has observed that generally, generating companies should not have any non-tariff income. The non-operating income of generating company can be on account of sale of scrap, ash etc. The same should be reduced from the coal cost/O&M expenses/reduced from true-up amount approved by the Commission. In order to inculcate financial discipline in Discoms so far as the payment of dues of a generator are concerned, HPGCL is allowed to retain the receipt of delayed payment charges/holding cost. HPGCL is also allowed to retain income from sale of land (Rs. 3.58 crore), for the FY 2023-24. Rest is to be added to the non-tariff income, including provisional foreign exchange rate variation (FERV) gain (Rs 1.07 Cr) forming part of other income (Rs. 3.10 crore). FERV is subject to adjustment at the time of actual payment.

Consequently, other income amounting to Rs. 8.58 Crore has been reduced from the amount eligible for true up in the present Order.

In view of the above discussions, the Commission allows true-up expenses for the FY 2023-24 as under: -

	HPGCL (Proposed)	HERC (Allowed)
O&M Expenses	290.69	131.37
Depreciation cost	-	-11.08
Interest Cost	9.02	-14.90
ROE	0.23	-0.08
Interest on working capital	0.22	-125.62
Non-Tariff Income	-	-8.58
Total True-up	300.16	-28.89

The Discoms i.e. UHBVNL and DHBVNL shall recover the aforesaid amount of Rs. 28.89 crore from HPGCL. The same shall become

immediately payable upon the submission of credit note and late payment charges shall be accordingly applicable in accordance with Regulation Clause 43 of the MYT Regulations, 2019. The major difference between the true-up amount, as worked out by HPGCL, and that approved by the Commission is on account of disallowance of higher R&M expenses, interest cost on term loan as well as working capital and Depreciation. Further, HPGCL had claimed true-up of the recovered expenses vis-à-vis actual expenses, whereas the true-up vis-à-vis approved expenses has been undertaken in the present Order in line with the HERC Regulations in vogue.

16 Business Plan for the control period from FY 2025-26 to FY 2029-30.

The Commission has taken note of the efficiency improvement measures proposed to be taken by HPGCL in the MYT Control Period from FY 2025-26 to 2029-30. HPGCL is further proposing to take measures to minimize loss of coal in transit and coal grade slippage. The Commission has observed that HPGCL plans to install Solar Projects on irrigation canals/raw water reservoir of HPGCL, battery energy storage system in its power stations, 800 MW additional power plant units in Yamuna Nagar and Hisar and life extension of PTPS units till 2034.

HPGCL has sought approval of its business plan for the period from FY 2025-26 to FY 2029-30. However, in order to enable the Commission to grant In-Principle approval of the same, HPGCL is required to justify the proposal duly supported by Feasibility Reports, Technical as well as financial justification, Cost-Benefit Analysis and a least cost plan.

In view of the above, the Commission has taken note of the business plan of HPGCL. However, HPGCL may take case specific approval of each plan, by filing a separate petition supported by data to enable the Commission to exercise its prudence check.

17 Capital Investment Plan (CIP)

HPGCL has submitted that the Commission in its order dated 20.02.2024 (HERC/P. No. 67 of 2023), had approved CAPEX aggregating to Rs. 39 Cr and Rs. 80.132 Cr, for FY 2023-24 and 2024-25, respectively. However, the Commission in its ibid order had not approved Up-gradation of PTPS Unit-6 HMI System of pro-control amounting to Rs. 21.60 crore. The relevant extract

of the Commission's order dated 20.02.2024 is reproduced hereunder: -

“The Commission has examined the submissions of the petitioner i.e. HPGCL. The Commission observes that about 27% of the capex proposed for the FY 2025-26 is for installation (or on upgradation) of Maximum Dynamic Network Architecture (MaxDNA) at its 210 MW PTPS unit-6. As its nomenclature itself suggests it is a network of application where diverse hardware and software solutions co-operate to allow the power plant to reach its greatest potential. The Commission observes that the cost proposed is ‘tentative’. It is also noted that PTPS (Unit-6) is of the same vintage as the already de-commissioned (PTPS-5) despite the fact that there is a difference of about a decade their CoD. The viability/dispatchability of PTPS-6 would depend on the proposed RLA and RE report. Hence, at this stage, it may not be prudent to incur the proposed tentative cost of Rs. 21.60 crore that too without establishing the benefit stream. The Commission is constrained to observe that the submission of HPGCL (Memo no. 168/HPGCL/Reg-522 (2023) dated 26.12.2023) that “The necessary purchase order and work order for the upgradation work has already been awarded to M/s. BHEL with the approval of HPPC of HPGCL”, may not be sufficient. However, as the system is normally designed on a modular basis and allows scalability, HPGCL may undertake such capex limited to ensuring safe operation of PTPS Unit-6 and for meeting the objectives of CEA (Flexible Operation of coal based thermal generation units) Regulations, 2023 as amended from time to time. The details may be separately submitted to the Commission for approval along with RLA and LE reports. HPGCL is directed to submit the details of the scheme, bidding process followed, EOI, request for proposal, negotiation if any with the bidder & purchase order to the Commission for considering the same for true up of FY 2024-25 and ARR for FY 2025-26. Accordingly, at this this stage the Commission considers and approves the revised capital expenditure for FY 2024-25 to FY 2025-26, at Rs. 39 crore and Rs. 58.532 crore, respectively. It is added that the Commission is not, at this stage, adjusting the marginal impact on depreciation, interest on loan, RoE etc. for the proposed Capex on MaxDNA.”

Accordingly, the Commission had approved the revised capital expenditure for FY 2024-25 to FY 2025-26, at Rs. 39 crore and Rs. 58.532 crore, respectively. As against this, HPGCL has actually carried out only two works amounting to Rs. 3.2 Cr and one work amounting to Rs. 2.47 Crore, during the FY 2023-24 and FY 2024-25 (1st half), respectively. In revised Capital Expenditure for FY 2024-25, all left over works for FY 2023-24 have also been included. It is noted that in FY 2023-24 and first half of FY 2024-25, HPGCL, has not shown any satisfactory progress in utilization of approved CAPEX.

The commission observes there is lack of proper planning on the part of the generator since only two works in FY 2023-24 and one work in FY 2024-25 up to Sept, 2024 have been completed.

Further, in response to the information sought by the Commission regarding the reasons for making a provision in CAPEX for time barred unclaimed bill (Rs. 9.43 crore) of Reliance Infra since FY 2016-17, in respect of RGTPP, Hisar plant, which was commissioned on 01.03.2011, HPGCL has submitted that the vendor has opted for arbitration instead of claiming the bills. The arbitration award has been challenged by both the parties in the court. Thus, after the outcome of the adjudication of the legal process the said claim needs to be made by HPGCL. Thus, HPGCL has intimated the said liability under capex, as the same is part of original capital cost and needs to be spread under tariff for the balance duration of plant life cycle. In case, it has been necessitated that the said claim need to be dropped from Capex plan, then the same is liable to be made after the adjudication of the dispute in one go.

In view of the above, the Commission considers and approves the revised capital expenditure for FY 2024-25 at Rs. 82.43 crore and proposed Capex plan for control period FY 2025-26 to FY 2029-30.

It is added that the Commission is not, at this stage, adjusting the marginal impact on depreciation, interest on loan, RoE etc. for the unapproved Capex for the FY 2024-25.

HPGCL is directed to keep the Commission informed regarding the scheme wise / year wise physical and financial progress of the Capex approved by the Commission including any work wise deviations from the same. Further, the tariff for upcoming RGTPS Unit – 3 shall be

determined by the Commission, upon its CoD, on a separate petition filed by HPGCL. However, HPGCL may keep the Commission informed of the physical and financial progress made in respect of the same also on half yearly basis.

HPGCL is further directed to submit the details of the schemes, bidding process followed, EOI, request for proposal, negotiation if any, with the bidder & purchase order to the Commission for considering the same at the time of true up of FY 2024-25, FY 2025-26 and ARR for FY 2026-27.

18 Operating Parameters:

Annual Generation and PLF: -

HPGCL has submitted the historical performance of HPGCL power plants and proposed the technical parameters for the FY 2025-26, in line with the HERC MYT Regulations, 2024.

18.1 Annual generation trend and NPAF (Normative Annual Plant Load Factor)

The Historical unit wise annual generation trend of HPGCL Units in MU is tabulated as under:

S N	Unit No.	2021-22	2022-23	2023-24	2024-25 (Upto Sept., 24)
1	PTPS 6	194.79	1332.63	1021.04	630.20
2	PTPS 7	1384.46	1847.70	1515.99	894.20
3	PTPS 8	1175.70	1679.03	1170.08	952.08
4	DCRTPP 1	1013.09	2176.39	1825.40	1009.26
5	DCRTPP 2	1597.06	2049.94	1652.35	1027.43
6	RGTPP 1	2674.31	3561.45	2509.91	1703.27
7	RGTPP 2	0.00	3075.09	1794.42	1486.38
	HPGCL Thermals	8039.40	15722.23	11489.18	7702.82
8	WYC Hydel	257.40	258.42	220.52	129.65

The Historical trend of unit loading in terms of actual Plant Load Factor (%) of HPGCL Units is tabulated as under:

S N	Unit No.	2021-22	2022-23	2023-24	2024-25 (Upto Sept., 24)	Average PLF for 3 years
1	PTPS 6	10.59	72.44	55.35	68.33	46.12
2	PTPS 7	63.22	84.37	69.03	81.44	72.20
3	PTPS 8	53.68	76.67	53.28	86.71	61.21
4	DCRTPP 1	38.55	82.82	69.27	76.6	63.54
5	DCRTPP 2	60.77	78	62.7	77.98	67.15
6	RGTPP 1	50.88	67.76	47.62	64.64	55.42
7	RGTPP 2	0	58.51	34.05	56.4	30.85
8	WYC Hydel	36.56	71.5	52.11	69.87	53.39

The Historical trend of Deemed Plant Load Factor (%) of HPGCL Units is tabulated as under:

SN	Unit No.	2021-22	2022-23	2023-24	2024-25 (Upto Sept., 24)
1	PTPS 6	95.93	89.81	72.01	86.96
2	PTPS 7	98.19	94.32	84.93	99.05
3	PTPS 8	91.62	85.31	68.73	99.98
4	DCRTPP 1	68.00	95.16	91.63	94.31
5	DCRTPP 2	98.52	87.44	85.58	95.82
6	RGTPP 1	96.12	83.89	66.05	85.38
7	RGTPP 2	0.00*	73.34	45.76	66.20
8	WYC Hydel	95.93	89.81	72.01	86.96

* RGTPP 2 is not available due to rotor issue

HPGCL proposes the NAPA F for all thermal Units for the FY 2024-25 and FY 2025-26 in line with HERC MYT Regulations, in vogue, as under: -

SN	Unit No.	HERC Approved	Proposed	
		FY 24-25	FY-24-25	FY 25-26
1	PTPS 6	85.00%	85.00%	85.00%
2	PTPS 7	85.00%	85.00%	85.00%
3	PTPS 8	85.00%	85.00%	85.00%
4	DCRTPP 1	85.00%	85.00%	85.00%
5	DCRTPP 2	85.00%	85.00%	85.00%
6	RGTPP 1	85.00%	85.00%	85.00%
7	RGTPP 2	85.00%	85.00%	85.00%
8	WYC Hydel	43.00%	43.00%	43.00%

Commission considers the proposal submitted by HPGCL in line with the HERC MYT Regulations, 2019 and 2024, and approves NAPA F for all units as proposed by HPGCL.

18.2 Auxiliary Energy Consumption

The Historical trend of auxiliary energy consumption (%) of HPGCL Units is tabulated as under:

SN	Unit No.	2021-22	2022-23	2023-24	2024-25 (Upto Sept., 24)
1	PTPS 6	9.33	9.36	9.57	9.55
2	PTPS 7	8.95	9.01	9.08	9.52
3	PTPS 8	8.81	9.14	8.97	9.47
4	DCRTPP 1	8.35	8.48	8.73	8.74
5	DCRTPP 2	8.52	8.40	8.41	8.80
6	RGTPP 1	5.40	5.70	6.16	6.23
7	RGTPP 2	-	5.46	6.23	5.84

HPGCL proposes the auxiliary energy consumption (%) for all thermal Units for the FY 2024-25 and FY 2025-26 in line with HERC MYT Regulations, in vogue, as under: -

SN	Unit No.	HERC Approved	Proposed	
		FY 24-25	FY-24-25	FY 25-26

SN	Unit No.	HERC Approved	Proposed	
		FY 24-25	FY-24-25	FY 25-26
1	PTPS 6	9.00%	9.00%	9.00%
2	PTPS 7	8.50%	8.50%	8.50%
3	PTPS 8	8.50%	8.50%	8.50%
4	DCRTPS 1	8.50%	8.50%	8.50%
5	DCRTPS 2	8.50%	8.50%	8.50%
6	RGTPS 1	6.00%	6.00%	6.00%
7	RGTPS 2	6.00%	6.00%	6.00%
8	WYC HEP	1.00%	1.00%	1.00%

From the above table, it is evident that auxiliary consumption of all units except PTPS-7 and DCRTTP-1 is on higher side in FY 2023-24.

HPGCL has proposed auxiliary consumption for FY 2024-25 to FY 2029-30 per the Regulations in vogue, expected to achieve the same. Therefore, the Commission approves the same as proposed.

18.3 Secondary Fuel Oil Consumption (SFC)

The Historical trend of Secondary fuel consumption (ml/kwh) of HPGCL Units is tabulated as under:

SN	Unit No.	2021-22	2022-23	2023-24	2024-25 (Upto Sept., 24)
1	PTPS 6	2.42	1.01	1.71	1.38
2	PTPS 7	0.37	0.48	0.52	0.36
3	PTPS 8	0.39	0.42	0.85	0.07
4	DCRTTP 1	0.24	0.20	0.48	0.17
5	DCRTTP 2	0.20	0.22	0.74	0.20
6	RGTPP 1	0.32	0.47	1.09	0.70
7	RGTPP 2	0.00	0.60	1.53	0.76

Secondary fuel consumption (ml/kwh) proposed by HPGCL, for the FY 2024-25 and FY 2025-26, is in line with the HERC MYT Regulations as below: -

S.N	Unit No	HERC Approved	Proposed	
		FY 24-25	FY-24-25	FY 25-26
1	PTPS 6	1.00	1.00	1.00
2	PTPS 7	0.50	0.50	0.50
3	PTPS 8	0.50	0.50	0.50
4	DCRTPS 1	0.50	0.50	0.50
5	DCRTPS 2	0.50	0.50	0.50
6	RGTPS 1	0.50	0.50	0.50
7	RGTPS 2	0.50	0.50	0.50

During FY 2024-25 till Sept. 2024, the specific oil consumption in respect of PTPS-6, RGTPP-1 and RGTP-2, is 1.38%, 0.70%, 0.76% which is on higher side. HPGCL has achieved secondary fuel consumption norms in FY 2023-24 in respect of PTPS-7 and DCRTTP 1 only. The Commission expects that HPGCL shall achieve the norms in future.

Since HPGCL has proposed the specific oil consumption for its plants as per norms laid down in the MYT Regulations in vogue, the Commission approves the same.

18.4 Station Heat Rate (SHR)

The Historical trend of SHR (Kcal/kwh) of HPGCL Units is tabulated as under:

SN	Unit No.	2021-22	2022-23	2023-24	2024-25 (Upto Sept., 24)
1	PTPS 6	2541	2531	2530	2535
2	PTPS 7	2474	2484	2486	2494
3	PTPS 8	2482	2487	2492	2489
4	DCRTPP 1	2326	2336	2341	2340
5	DCRTPP 2	2332	2330	2340	2341
6	RGTPP 1	2398	2395	2398	2418
7	RGTPP 2	NA	2390	2421	2394

HPGCL has proposed, SHR for the FY 2024-25 and FY 2025-26, as per norms specified in the HERC MYT Regulations, in vogue, as under: -

S.N	SHR (kcal/kWh)	HERC Approved	Proposed	
		FY 24-25	FY-24-25	FY 25-26
1	PTPS 6	2550	2550	2550
2	PTPS 7	2500	2500	2500
3	PTPS 8	2500	2500	2500
4	DCRTPS 1	2344	2344	2344
5	DCRTPS 2	2344	2344	2344
6	RGTPS 1	2387	2387	2387
7	RGTPS 2	2387	2387	2387

Commission observes that HPGCL has been able to maintain SHR for its plants as per norms in FY 2023-24 except for RGTPS units 1 & 2 wherein the SHR is slightly on higher side. The Commission further observes that HPGCL has proposed SHR for FY 2024-25 and FY 2025-26 to FY 2029-30 for its units at PTPS, DCRTPS and RGTPS in line with the norms specified in the MYT Regulations, in-vogue. Thus, the Commission approves the same.

18.5 Gross Calorific Value (GCV) and Price of Coal

HPGCL has proposed GCV, cost of coal and Secondary Fuel (Oil) for the FY 2025-26 as per the actual weighted average calorific value of coal and landed cost of oil, during April to September of the FY 2024-25, as under: -

GCV & Coal Cost (FY 2025-26)				
Particulars	PTPS-6	PTPS-7 & 8	DCRTPS	RGTPS
Gross Calorific Value of Coal (kcal/Kg)	3379	3375	3142	3233
Average landed cost of coal	5467.30	5597.69	4865.88	5634.08

(Rs. /MT)				
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GCV & Oil Cost (FY 2025-26)

Particulars	PTPS	DCRTPS	RGTPS
Gross Calorific Value of Oil (kcal/l)	10687	10586	10406
Average landed cost of Oil (Rs. /KL)	76236	75596	74958

As the above values are based on the weighted average of six months, the same are approved for the purpose of generation tariff determination.

The Commission has already approved the requisite financial and technical parameters for arriving at variable charges and fixed cost for the control period from FY 2025-26 to FY 2029-30. Further, in absence of specific proposal of the petitioner, seeking separate approval of the same for MYT control period, the Energy Charges / Variable Charges for the FY 2025-26, calculated on the basis of the approved parameters / cost (Unit Wise), is presented in the following tables: -

Approved Energy Charges / Variable Charges for the FY 2025-26

Parameters	Unit	PTPS			RG TPS		DCR TPS		Total
		Unit 6	Unit 7	Unit 8	Unit 1	Unit 2	Unit 1	Unit 2	
Installed Capacity (MW)		210	250	250	600	600	300	300	2510
Gross Generation	MU	1,563.66	1,861.50	1,861.50	4,467.60	4,467.60	2,233.80	2,233.80	18924.5
PLF (%)		85.00	85.00	85.00	85.00	85.00	85.00	85.00	
Auxiliary Energy Consumption	%	9.00%	8.50%	8.50%	6.00%	6.00%	8.50%	8.50%	
Generation (Ex-bus)	MU	1422.93	1703.27	1703.27	4199.54	4199.54	2043.93	2043.93	17549.1
Station Heat Rate (SHR)	Kcal/kwh	2550	2500	2500	2387	2387	2344	2344	
Specific Oil Consumption	ml/kwh	1	0.5	0.5	0.5	0.5	0.5	0.5	
Gross Calorific Value of Oil	Kcal/litre	10687	10687	10687	10406	10406	10586	10586	
Gross Calorific Value of Coal	K.cal/Kg	3379	3375	3375	3233	3233	3142	3142	
Overall Heat	G.cal	3987333	4653750	4653750	10664161	10664161	5236027	5236027	
Heat from Oil	G.cal	16711	9947	9947	23245	23245	11824	11824	
Heat from Coal	G.cal	3970622	4643803	4643803	10640916	10640916	5224204	5224204	
Oil Consumption	KL	1564	931	931	2234	2234	1117	1117	
Coal Consumption	MT	1175088	1375942	1375942	3291344	3291344	1662700	1662700	
Cost of Oil per KL	Rs/KL	76236	76236	76236	74958	74958	75596	75596	
Cost of Coal	Rs/MT	5467	5598	5598	5634	5634	4866	4866	
Total Cost of Oil #	Rs .Mln	119.21	70.96	70.96	167.44	167.44	84.43	84.43	
Total Cost of Coal	Rs.Mln	6424.56	7702.09	7702.09	18543.70	18543.70	8090.50	8090.50	

Total Fuel Cost	Rs.Mln	6543.77	7773.05	7773.05	18711.14	18711.14	8174.93	8174.93	75862.0
Fuel Cost/Kwh	Rs.	4.60	4.56	4.56	4.46	4.46	4.00	4.00	4.32

Approved Fixed Cost Computation FY 2025-26 (Rs. Million)

HERC FIXED COST COMPUTATION FY 2025-26 (Rs Million)									
EXPENSES	PTPS - 6	PTPS - 7	PTPS - 8	RGTPS 1	RGTPS 2	DCR TPS 1	DCR TPS 2	WYC	TOTAL
Operation & Maintenance (O&M)									
a) R&M Expenses	823.69	1092.32	1048.58	1088.87	1088.87	760.39	760.39	204.41	6867.52
b) A&G Expenses	341.62	456.50	586.42	486.92	532.05	486.22	636.06	73.52	3599.30
c) Employees Cost	40.16	49.61	49.84	54.00	54.00	35.92	35.69	8.66	327.88
Total O&M (a+b+c):	1205.46	1598.43	1684.84	1629.78	1674.92	1282.53	1432.14	286.60	10794.70
Depreciation	52.80	346.60	362.10	546.80	577.10	301.40	303.30	78.30	2568.40
Interest & Finance	2.30	25.30	21.90	111.40	82.60	14.30	11.40	30.90	300.10
W/C Interest	143.72	178.13	180.54	367.81	367.81	178.21	178.21	10.30	1604.73
ROE @ 12%/13%	189.44	271.59	271.04	616.85	626.98	306.82	306.04	33.67	2622.42
Fixed Cost	1593.72	2420.05	2520.41	3272.64	3329.40	2083.26	2231.10	439.77	17890.35
Generation (ex-bus) MU	1422.93	1703.27	1703.27	4199.54	4199.54	2043.93	2043.93	232.70	17549.12
Fixed Cost (Rs/kWh)	1.12	1.42	1.48	0.78	0.79	1.02	1.09	1.89	1.02
COMPUTATION OF WORKING CAPITAL AND INTEREST (Rs. In Millions)									
ITEMS	DERIVATION	PTPS			RGTPS	DCR TPS			
		Unit 6	Unit 7	Unit 8	Unit 1 & 2	(Unit 1 & 2)	WYC	TOTAL	
Coal Stock	1 months	535.38	641.84	641.84	3,090.62	1,348.42	-	6,258.10	
Oil Stock	1 months	9.93	5.91	5.91	27.91	14.07	-	63.74	
O&M Expenses	1 months	100.46	133.20	140.40	275.39	226.22	23.88	899.56	
Maint. Spares	10%/15% of O&M	120.55	159.84	168.48	330.47	271.47	42.99	1,093.80	
Receivables	1 month	678.12	849.42	857.79	3,668.69	1,722.02	36.65	7,812.70	
W/C Requirement		1,444.44	1,790.22	1,814.43	7,393.08	3,582.20	103.52	16,127.89	
Int (@ 9.95% (8.95+1)%)		143.72	178.13	180.54	735.61	356.43	10.30	1,604.73	

Notes:

- The fixed cost including O&M expenses for the PTPS Units 6, 7 & 8 has been allowed, as per norms specified in the HERC (MYT) Regulations, 2024, which was approved taking into consideration of the impact of increased water tariff as well as cost of coal handling plant.
- O&M expenses of WYC, Hydel has been approved considering the audited figures for the FY 2022-23, as the base year, and escalating the same @ 5.47% p.a., at par with thermal power stations.
- Depreciation, as claimed by HPGCL has been allowed, considering the submissions that the depreciation of the capex has been claimed on the balance life of the project as per MYT Regulation after spreading the same on the balance useful life of the respective plant. However, HPGCL is directed to submit a detailed depreciation chart depicting the depreciation on each item of additions made during the year, at the time of seeking true-up for the FY 2025-26.

4. RoE has been pegged at 12% and 13% for thermal and hydro units (WYC), respectively, as per the provisions of HERC (MYT) Regulations, 2024.
5. Interest on term loans has been allowed as claimed by HPGCL, which shall be subject to true-up to the extent of actual interest incurred by the petitioner.
6. The Working Capital and interest thereto, have been computed as per the provisions of the MYT Regulations, 2024. As discussed earlier in this order, average rate of interest on working capital loans of HPGCL for the FY 2023-24 is 7.86% p.a. However, in absence of the relevant data, the rate of interest on the working capital requirement, as computed in the table above, has been considered at SBI MCLR (one year tenor) as on 15.09.2024 (8.95%) and a margin of 100 basis points. Resultantly, the allowed rate of interest for the purpose of working out interest amount has been considered @ 9.95%. It is reiterated that the interest on working capital approved in the order for the FY 2025-26, is the ceiling limit, which shall be subject to true-up to the extent of actual interest incurred by the petitioner.

The ECR / Fuel Charge approved by the Commission is summarized in the table below:

TARIFF	PTPS 6	PTPS 7	PTPS – 8	RGTPS 1	RGTPS 2	DCR TPS 1	DCR TPS 2	WYC
ECR / Fuel Cost Rs/ kWh	4.54	4.56	4.56	4.20	4.20	4.21	4.21	-

The recovery of fixed charges to the extent determined by the Commission, for the FY 2025-26 shall be as per the provisions of the MYT Regulations, 2024. HPGCL shall recover full capacity charge at the Unit Wise normative annual plant availability factor specified by the Commission in the said regulations and the recovery of capacity charge below the level of target availability i.e. normative PLF shall be on pro-rata basis and further that no capacity charge shall be payable at zero availability.

Accordingly, HPGCL shall ensure that fixed charges recovered for any of its power plants including WYC (HEP) for which fixed charges have been determined by the Commission in the present Order, during the year, do not exceed the fixed charges as determined herein.

Further, in case of annual PLF of any unit, including deemed generation, is lower

than the normative PLF approved in the order, the recoverable annual fixed charges shall get reduced on pro-rata basis. In view of above, it is ordered that HPGCL shall recover monthly fixed charges in line with the provision of MYT Regulations, 2024, subject to the condition that total recovered fixed charges for a Unit up to the end of a month shall not be more than the admissible approved fixed charges for that Unit as worked out corresponding to the cumulative PLF (after including deemed generation) up to the end of that month. For example, at the end of 3rd month, if the deemed PLF is 80% and the normative PLF is 85%, the admissible approved fixed charges would be $AFC/4$ ($0.80/0.85$) where AFC are the approved annual fixed charges. In case cumulative PLF at the end of 3rd month is more than the normative PLF, the admissible approved fixed charges will be $AFC/4$.

Technical Minimum schedule for HPGCL's Power Plants other than PTPS shall be implemented in line with Central Generating Stations (CGS) for larger integration of renewable energy.

All other terms and conditions, not explicitly dealt with in this order, shall be as per the relevant provisions of the Haryana Electricity Regulatory Commission (Terms and Conditions for Determination of Tariff for Generation, Transmission, Wheeling and Distribution & Retail Supply under Multi Year Tariff Framework) Regulations, 2024.

The Generation Tariff approved for the FY 2025-26 shall be implemented w.e.f. 01.04.2025.

The present petition is accordingly disposed of. The petitioner is directed to take necessary actions for implementing the instant order.

This order is signed, dated and issued by the Haryana Electricity Regulatory Commission on 13.03.2025.

Date: 13.03.2025
Place: Panchkula

(Mukesh Garg))
Member

(Nand Lal Sharma)
Chairman