

TELANGANA POWER GENERATION CORPORATION LIMITED

(A Govt. of Telangana Undertaking)



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

Volume- 1 of 3

September, 2024

TELANGANA POWER GENERATION CORPORATION LIMITED

(A Govt. of Telangana Undertaking)

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

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**BEFORE THE HONOURABLE TELANGANA ELECTRICITY REGULATORY
COMMISSION**

#Vidyut Niyantran Bhavan, G.T.S Colony, Kalyan Nagar, Hyderabad – 500 045.

Filing No. ____ /2024
Case No. ____ /2024

In the matter of:

Application for Truing up the Generation Tariff for the FY 2022-23 and Multi Year Tariff Petition for the period from FY 2024-25 to FY 2028-29 for the existing stations along with Application for determination of input price of coal supplied from integrated mine in accordance with the Clause No. 6.2 of TGERC Regulation No. 2 of 2023 read with Section 62 of the Electricity Act, 2003.

And in the matter of:

Telangana Power Generation Corporation Limited,

Vidyut Soudha, Hyderabad – 500082.

... Applicant/ Petitioner

AND

- 1. Southern Power Distribution Company of Telangana Ltd. (TGSPDCL),**
Corporate office, 6-1-50, Mint Compound, Hyderabad – 500 063.
- 2. Northern Power Distribution Company of Telangana Ltd. (TGNPDCL),**
H.No.2-5-31/2, Corporate Office, Vidyut Bhavan, Nakkalagutta, Hanmakonda,
Warangal – 506001
- 3. ESCOMs of Karnataka state**

Bangalore Electricity Supply Company Limited (BESCOM),
KR Circle, Bangalore - 560001;
Mangalore Electricity Supply Company Limited (MESCOM),
Paradigm Plaza, AB Shetty circle, Mangalore - 575004;
Chamundeshwari Electricity Supply Corporation Limited (CESC),
Hinkal, Mysore - 570017;
Hubli Electricity Supply Company Limited (HESCOM),
Navanagar, Hubli - 580025;
Gulbarga Electricity Supply Company Limited (GESCOM),
Kalaburagi - 585102.

..... Respondents.

AFFIDAVIT VERIFYING THE APPLICATION

I, Ronald Rose Dinakaran, son of Sri Dinakaran Bose Chandrasekhar, working for gain at the Telangana Power Generation Corporation Ltd., do solemnly affirm and say as follows:

- a) I am the Chairman and Managing Director of Telangana Power Generation Corporation Ltd., being a company in the business of generating electricity in state of Telangana. I am competent and duly authorized by Telangana Power Generation Corporation Ltd., to affirm, swear, execute and file this affidavit in the present proceedings.
- b) I have read and understood the contents of the accompanying, the statements made in the paragraphs of this Application filed herewith are true to the best of my knowledge derived from the official records made available to me and are based on information and advice received which I believe to be true and correct.


Deponent

VERIFICATION:

I, the above named Deponent solemnly affirm at Hyderabad on this ___ Day of September' 2024 that the contents of the above affidavit are true to my knowledge, no part of it is false and nothing material has been concealed there from.


Deponent

Solemnly affirmed and signed before me at Hyderabad

On this 20th September' 2024



G.P.R. HRUDAYA
Company Secretary
TGCENCO, 123, Jyut Soudha,
HYDERABAD - 500 082

**BEFORE THE HONOURABLE TELANGANA ELECTRICITY REGULATORY
COMMISSION**

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Chamundeshwari Electricity Supply Corporation Limited (CESC),
Hinkal, Mysore - 570017;
Hubli Electricity Supply Company Limited (HESCOM),
Navanagar, Hubli - 580025;

Gulbarga Electricity Supply Company Limited (GESCOM),
Kalaburagi -585102.

..... Respondents.

**APPLICATION UNDER CLAUSE 6.2 OF TGERC REGULATION No. 2 OF 2023
READ WITH SECTION 62 OF THE ELECTRICITY ACT' 2003 FOR TRUING UP
THE GENERATION TARIFF FOR THE FY: 2022-23 AND MULTI YEAR TARIFF
PETITION FOR 5th CONTROL PERIOD (FY 2024-25 TO FY 2028-29) FOR THE
EXISTING STATIONS AND DETERMINATION OF INPUT PRICE OF COAL
SUPPLIED FROM INTEGRATED MINE.**

MOST RESPECTFULLY SHOWETH:

1. Telangana Power Generation Corporation Limited (hereinafter referred to as "TGGENCO" or as the "Applicant") was established as a company registered under the Companies Act 2013, on 19th May 2014 upon coming into force of the Andhra Pradesh Reorganization Act, 2014 with effect from 2nd June 2014.
2. The entire energy availability (100%) of Thermal and Hydel stations has been allocated to the TGDISCOMs except Priyadarshini Jurala HES (6X39MW).
3. In respect of Priyadarshini Jurala HES (6X39MW), as per the PPA the fixed charges and the energy generated being shared in the ratio of 50:50 between TGDISCOMs and ESCOMs of Karnataka state.
4. Hon'ble Commission vide notification dated 30.12.2023 has issued TGERC Regulation No. 2 of 2023 viz., Telangana Electricity Regulatory Commission (Multi Year Tariff) Regulation, 2023 (hereinafter referred to as "TGERC Regulation No. 2 of 2023").
5. As per Clause No. 6.2 of TGERC Regulation No. 2 of 2023 the Multi Year Tariff Petition has to include the following:
 - I. True-up of generation business for FY 2022-23
 - II. True-up of integrated mine for FY 2022-23

- III. Proposal of Tariff for each year of the 5th Control Period for generation business i.e., for the period from FY 2024-25 to FY 2028-29
- IV. Proposal of input Price of coal supplied from integrated mine for each year of the 5th Control Period i.e., for the period from FY 2024-25 to FY 2028-29

However, TGERC Regulation No. 1 of 2019 does not specifies for determination of Input price of integrated mine (Captive mine) and accordingly the input price is not approved. Considering the same, true-up of input price of coal for FY 2022-23 is not applicable. Accordingly, the true-up of input price of coal for the integrated mine for FY 2022-23 is not proposed in this Petition.

I. As per Clause No.6.2 (a) (i) of TGERC Regulation 2 of 2023, the proposal of True up of Generation Business for FY: 2022-23 is detailed below:

1) True up of Generation Business for FY 2022-23:

The True-up for FY 2022-23 is prepared in accordance with the TGERC (Terms and Conditions of Generation Tariff) Regulation No. 1 of 2019 which is applicable for the 4th Control Period FY 2019-20 to FY 2023-24.

Opening Gross Fixed Assets (GFA) is considered based on the GFA as on 01.04.2019 and additional capitalization approved at Para 4.5.3 of Mid-term Review Order dt. 23.03.2023. The additional capitalization for FY 2022-23 is claimed as per the audited annual accounts for FY 2022-23. The GFA and additional capitalization for FY 2019-20 to FY 2022-23 is enclosed as **Annexure-I (T)**.

In accordance with Clause No. 15 of TGERC Regulation No. 1 of 2019, the Annual Fixed Charges comprise the following elements:

- a. Depreciation;
- b. interest and finance charges on loan;
- c. Interest on Working Capital;
- d. Operation & Maintenance Expenses;
- e. Return on Equity;

Minus

- f. Non-Tariff Income;

a. Depreciation

- i. Depreciation is computed in accordance with Clause No. 10 of TGERC Regulation No. 1 of 2019.
- ii. The capital cost admitted by the Commission along with admitted additional capitalization is considered as value base for calculation of depreciation.
- iii. Depreciation for the stations up to 12 years from COD is calculated annually based on Straight Line Method and at rates specified in CERC (Terms and conditions of Tariff) Regulations, 2019.
- iv. For the Stations after twelve (12) Years from the effective COD, the remaining depreciable value was spread over the balance Useful life of the asset.
- v. In respect of RTS-B and KTPS-V Stage, the useful life is considered as 31.03.2025 and 31.03.2029 respectively.
- vi. The Depreciation approved at para 4.7.7 of MTR Order dated 23.03.2023 and Depreciation claimed for True-up is tabulated at **Annexure-II (T)**.
- vii. The variation in depreciation is on account of variation in actual additional capital expenditure incurred and approved additional capital cost.

b. Interest and Finance Charges on loan

- i. The Debt- Equity ratio is considered as 70:30 of the GFA in accordance with Clause No.9 of TGERC Regulation No. 1 of 2019 and as per Para No. 4.8.3 of MTR Order dt. 23.03.2023.
- ii. The station-wise opening loan balance has been calculated by considering the 70% of GFA and subtracting the accumulated depreciation. The depreciation has been considered as normative loan repayment.

- iii. The station-wise weighted average interest rate of the actual loan portfolio has been considered as the rate of interest on loan.
- iv. The interest on loan has been calculated on the normative loan balance for the year by applying the weighted average rate of interest.
- v. The interest rates and interest and finance charges approved by the Hon'ble Commission and claimed for true-up is enclosed at **Annexure-III (T)**.
- vi. The variation in interest and finance charges approved in MTR and True-up is on account of the variation in loan balances.

c. Interest on Working Capital (IoWC)

- i. The Working Capital Base for each generating station is calculated in accordance with Clause No. 13 of the TGERC Regulation No. 1 of 2019. The Cost of fuel (Coal and Oil) for thermal stations is calculated considering the actual Energy sent out and actual variable charges for FY 2022-23 and the same is considered for the energy charges component of receivables for FY 2022-23.
- ii. The rate of IoWC has been considered as 9.44% (Considering the weighted average of SBI MCLR for FY 2022-23 of 7.94% plus 150 basis points).
- iii. The interest on working capital approved by the Hon'ble Commission in MTR Order dated 23.03.2023 and trued-up for FY 2022-23 is enclosed at **Annexure-IV (T)**.

d. Operation & Maintenance Expenses (O&M)

- i. The O&M expenses comprises of (i) employee cost, (ii) Repair & Maintenance expenses and (iii) Administrative & General expenses.
- ii. Trued-up O&M expenses have been arrived based on the audited annual accounts for FY 2022-23.
- iii. The O&M expenses approved in the MTR Order for FY 2022-23, and trued-up expenses is enclosed as **Annexure-V (T)**.

iv. The reasons for variation of the actual O&M expenses and the approved O&M expenses are as below:

Employee Expenses: The pay revision commitment for FY 2022-23 which was not included in the base normative expenses for FY 2021-22 is the main reason for variation in approved and actual employee cost. Further, Clause No. 19.14 of TGERC Regulation No. 1 of 2019 also provides that any increase in employee expenses on account of pay revision etc., will be considered separately by the Hon'ble Commission. Further Hon'ble Commission at Para No. 6.8.11 of MYT order dt. 22.03.2022 mentioned that any effect due to PRC for 4th control period has not been approved and shall be claimed based on the actual either during Mid-Term Review or during Truing-up at the end of 4th control period.

The Trued-up O&M expenses claimed is of Rs. 792.06 Crs., in which most of the claim is towards employee expenses (Rs.696.68 Crs) was due to PRC – 2022. Considering the above, the Hon'ble Commission is requested to approve the actual employee expenses for FY 2022-23 as claimed.

A&G Expenses: It is submitted that the actual A&G Expenses for FY 2022-23 are higher than the A&G expenses approved in MTR Order. The actual A&G Expenses for FY 2022-23 include the impact on account of wage revision for Security expenses which are forming part of A&G Expenses. Considering the same, the Hon'ble Commission is requested to approve the actual A&G expenses for FY 2022-23 as claimed.

R&M Expenses: It is submitted that the actual R&M Expenses for FY 2022-23 for certain stations are lower than the approved R&M expenses and are higher for certain stations and the same is considering the fact that the actual R&M Expenses are incurred as per the unexpected needs arising during the regular overhaul of the stations, considering the fact that not attending the identified issues shall result in loss of

availability the unexpected needs are attended. Considering the same, the Hon'ble Commission is requested to approve the actual R&M expenses for FY 2022-23 as claimed.

e. Return on Equity (RoE)

- i. The Debt-Equity ratio is considered as 70:30 as approved by the Hon'ble Commission at Para No. 4.8.3 of MTR Order dated 23.03.2023.
- ii. The rate of RoE has been considered as 20.713% for thermal stations and run-of river stations and 22.049% for hydel stations with pondage by grossing up the base rate of 15.5% and 16.5% with the applicable Corporate Tax rate of 22% with applicable Surcharge and CESS of 10% and 4% respectively (Effective Income tax rate: 25.168%).
- iii. The RoE approved in MTR Order dated 23.03.2023 and Trued-up is enclosed as **Annexure-VI (T)**.
- iv. The major reason for variance in the approved RoE and claimed RoE is on account of change in the rate of tax considered for grossing up of the applicable rate of RoE as per TGERC Regulation No. 1 of 2019.
- v. TGGENCO is following new tax regime as per section 115 BAA of the Income Tax Act 1961. Since FY 2020-21, effective tax rate is 25.168%. In this regard, the Petitioner requests the Hon'ble Commission's attention to second proviso of Clause 31(3) of CERC (Terms and Conditions of Tariff) Regulations, 2024 wherein it is stipulated that rate of return on equity has to be grossed up with tax rate including surcharge and cess as specified under Section 115 BAA in case the entity is paying tax under Section 115BAA. In view of the same, the Petitioner requests the Hon'ble Commission to consider the effective tax rate as claimed.

f. Non-tariff Income

- i. The income from sale of scrap of KTPS-O&M is of Rs. 242.52 Crs. In the Mid-term Review Order dt. 23.03.2023 at Para No. 4.7.8, Hon'ble Commission allowed to adjust KTPS-O&M unabsorbed depreciation amount of Rs. 226.96 Crs against income realized from sale of scrap. Accordingly, unabsorbed depreciation is adjusted against Non- Tariff income realized. Net Credit of Rs. 191.08 Crs towards Non-Tariff Income was passed to the beneficiaries in the FY 2022-23.

g. Additional Pension liabilities & Water Charges

- i. As per Clause No. 19.8 of TGERC Regulation No.1 of 2019, the Hon'ble Commission shall follow the principle of "pay as you go" in allowing additional pension liability, Accordingly, the Hon'ble Commission is requested approve the variation of additional pension liabilities from the approved values in MTR Order dated 23.03.2023.
- ii. Further, the Petitioner also requests the Hon'ble Commission to approve the variation of water charges from the approved values in MTR Order dated 23.03.2023.

h. Energy Charges:

The energy charges have been computed based on clause 21 of the TGERC Regulation 1 of 2019. However, as per clause 6.7 of the TGERC Regulation 1 of 2019, changes in energy charges due to variations in performance parameters like availability, auxiliary consumption, secondary fuel oil consumption, Gross Station Heat Rate, coal transit losses is arrived and proposed to be shared between GENCO and beneficiaries. The petitioner requests the Hon'ble Commission to approve the variation in energy charges. Station wise details of Energy Charges is placed as Annexure-VII(T).

i. Incentive & Secondary Energy Charges

The incentives for the generation beyond the Target Plant Load Factor for Thermal stations and secondary energy charges for generation

beyond the design energy for hydel generating stations at the rates specified in the Regulation 1 of 2019 is enclosed as **Annexure-VIII (T)**.

2) **Summary of Annual Fixed Charges (Actual Vs Approved) for FY 2022-23**
True up for FY 2022-23

- i. Summary of the actual entitlement is tabulated below.

SI No.	Description	Approved in MTR	Actual (True-up)	Variance
		(a)	(b)	(c) = (b)-(a)
1	Thermal Stations	4914.13	5677.89	763.76
2	Hydel Stations	1311.18	1609.54	298.36
	Thermal & Hydel	6225.31	7287.43	1062.12
3	Non-Tariff Income	(32.30)	(191.08)	(158.78)
4	Additional Pension Liability	1108.67	1288.27	179.60
5	Water Charges	62.05	41.53	(20.52)
6	Energy Charges	7994.07	7894.83	(99.24)
	Fixed Charges	15357.80	16320.98	963.18

- ii. The true-up charges claimed for FY 22-23 is amounting to Rs.963.18 Crs. However, the claim on beneficiaries shall be adjusted to actual availabilities after final determination of true-up by the Hon'ble Commission.
- iii. The Station-wise details of True-up are enclosed as **Annexure-IX (T)**.
- iv. All the calculation sheets in the formats communicated by Hon'ble TGERC are herewith submitted.

II. As per Clause No.6.2 (a)(iii) of TGERC Regulation 2 of 2023, the proposal of Tariff for each year of 5th Control Period for Generation Business is detailed below:

Multi Year Tariff Petition for the period FY 2024-25 to FY 2028-29

- 1) The entire energy availability (100%) of Thermal and Hydel stations has been allocated to the TGDISCOMs except Priyadarshini Jurala HES (6X39MW).
- 2) In respect of Priyadarshini Jurala HES the PPA has been entered between the erstwhile APDISCOMs and ESCOMs of Karnataka and erstwhile APGENCO separately. The energy generated and the Fixed charges shall be shared in the ratio of 50:50 among TGDISCOMs and ESCOMs of Karnataka.
 - i. The status of Power Purchase Agreements entered is enclosed as **Annexure-I (M)**: The PPA of RTS-B and KTPS-V Stage are valid up to 31.03.2025 and 31.03.2029 respectively.

The Tariff proposal for FY 2024-25 to FY 2028-29 has been prepared in line with TSERC Regulation No. 2 of 2023.

3. Additional Capitalization:

- i. Opening Gross Fixed Assets (GFA) for FY 2024-25 is considered based on the Closing GFA as on 31.03.2023 as considered in true up sections above and estimated additional capitalization for FY 2023-24.
- ii. The Hon'ble Commission vide Order dated 29.12.2023 has approved Capital Investment Plan for 5th Control Period considering the filings dt.01.04.2023 made by the Petitioner.
- iii. The Hon'ble Commission has approved the Capital Investment Plan for 5th Control Period considering TGERC Regulation No. 1 of 2019. However, while approving the additional capitalization for 5th Control Period, the Hon'ble Commission has only approved certain claim of additional capitalization and has not approved the remaining claim by either deferring the claim for submission at the time of true up or by stating non conformation with TGERC Regulation No. 1 of 2019.

- iv. For KTPP I & II and KTPS V & VI & as per Para 5.4.7 and 5.5.4 respectively of Business Plan and Capital Investment Plan Order dated 29.12.2023, the Commission directed to claim additional capitalization towards FGD during the time of true up in the year which the FGD works are carried out.
- v. For the works which are not allowed as the same were out of scope of original works or falling out of cut-off date of the project, the Petitioner requests the Hon'ble Commission to consider the same as additional capitalization since such works are either genuinely required for the efficient operation of the project or such works are falling beyond cut-off date of the project on account of factors which are not fully under the control of the Petitioner. In view of the same, the Petitioner requests the Hon'ble Commission to approve such additional capitalization.
- vi. For certain amount of claim of additional capitalization, the Hon'ble Commission has not approved the claim stating that the claim is not substantiated with the documentary evidence which are either test results or independent agency reports. In this regard, considering the order of the Hon'ble Commission, some of the works are proposed to be dropped, however the works which are genuinely required for efficient operation of the plant are proposed and the Applicant respectfully submits that documentary evidence for such works shall be submitted by the Applicant during the true up and accordingly requests the Hon'ble Commission to approve the claim of such additional capitalization.
- vii. It is further observed that in the course of time after submission of Capital Investment Plan on 01.04.2023, the Petitioner observed certain works which are genuinely required for the efficient upkeep of the assets. Considering the importance of such works, the Petitioner requests the Hon'ble Commission to approve the additional capitalization against such works and allow the Petitioner to submit the documentary evidence for such works shall be submitted by the Applicant during the true up.

viii. Gross Fixed Assets in respect of BTPS:

Hon'ble commission has disallowed Rs. 514.13 Crs towards IDC & EDC. Accordingly, the disallowed amount reduced from the additional capital cost in the FY 2024-25.

The details of GFA and additional capitalization for the period from FY 2023-24 to FY 2028-29 are enclosed in the TGERC formats.

In accordance with Clause No. 40.1 of TGERC Regulation No. 2 of 2023, the Annual Fixed Charges comprise the following elements:

- a. Depreciation;
- b. interest and finance charges on loan;
- c. Interest on Working Capital;
- d. Operation & Maintenance Expenses;
- e. Return on Equity;

Minus

- f. Non-Tariff Income;

a. Depreciation

- i. Depreciation is computed in accordance with Clause No. 28 of TGERC Regulation No. 2 of 2023.
- ii. The capital cost admitted by the Commission along with admitted additional capitalization till FY 2021-22 and proposed additional capitalization is considered as value base for calculation of depreciation.
- iii. The depreciable value of the station was spread over the balance Useful life of the asset.
- iv. The Depreciation claimed for the period FY 2024-25 to FY 2028-29 is tabulated at **Annexure-II (M)**.

b. Interest and Finance Charges on loan

- i. In accordance with Clause No. 27 of TGERC Regulation No. 2 of 2023, the Debt-Equity ratio for the existing generating stations for

which the tariff is determined is considered as approved by the Hon'ble Commission i.e., 70:30.

- ii. The station-wise opening loan balance has been calculated by considering the 70% of GFA and subtracting the accumulated depreciation. The depreciation has been considered as normative loan repayment.
- iii. The station-wise weighted average interest rate of the actual loan portfolio of respective year has been considered at
- iv. the rate of interest on loan. For the stations for which weighted average interest rate of loan is not available, the latest available rate of interest of loan as approved in MTR Order dated 23.03.2023 is considered.
- v. The interest on loan has been calculated on the normative loan balance for the year by applying the weighted average rate of interest.
- vi. The interest rates and interest and finance charges claimed for the period FY 2024-25 to FY 2028-29 is enclosed at **Annexure-III (M)**.

c. Interest on Working Capital (IoWC)

- i. The Working Capital Base for each generating station is calculated in accordance with Clause No. 33.1 of the TGERC Regulation No. 2 of 2023.
- ii. The energy charges calculated as per Clause 46.4 of TGERC Regulation No. 2 of 2023, where the weighted average landed price of coal and oil for the past 3 months (Jan-2024 to Mar-2024) is considered for FY 2024-25 with 2% escalation year on year till FY 2028-29.
- iii. The rate of IoWC has been considered as 10.15% (Considering the SBI MCLR as on 15.12.2023 of 8.65% plus 150 basis points) for the period FY 2024-25 to FY 2028-29.
- iv. The interest on working capital claimed for the period from FY 2024-25 to FY 2028-29 is enclosed at **Annexure-IV (M)**.

d. Operation & Maintenance Expenses (O&M)

- i. The O&M expenses comprises of (i) Employee Expenses, (ii) Repair & Maintenance expenses and (iii) Administrative & General expenses.
- ii. As per Clause No. 45.3 of TGERC Regulation No. 2 of 2023, for the first year of Control Period the Employee and A&G expenses have to be arrived considering the average of the trued-up expenses for the immediately preceding Control Period, excluding abnormal expenses, if any and duly escalating the same for 3 years with CPI Inflation for employee costs and WPI Inflation for A&G expenses.
- iii. Considering the same, the Employee and A&G Expenses have been arrived by considering the average of actual Expenses for the period from FY 2019-20 to FY 2023-24 and the average of such expenses is escalated with CPI and WPI of 5.8% and 4.90% respectively.
- iv. KTPS O&M was phased out during the FY 2019–20 and most of the employees cost of common services viz., Colonies, office buildings, schools etc., for KTPS O&M & KTPS VII are met in KTPS O&M. Hence, the employees cost of KTPS VII in the FY 2019–20 are lower in comparison with subsequent 4 years of the control period. Considering the above average of 4 years employees cost of KTPS-VII Stage i.e. FY 2020 – 24 is considered for arriving base Year Employee expenses. Further, R&M expenses and A&G expenses were arrived considering the average of 2 years for arriving base year expenses.
- v. In respect of BTPS, average of 2 years (FY 2022-23 & FY 2023-24) of Employee, R&M and A&G expenses considered for arriving base year expenses.
- vi. The O&M expenses for the period FY 2024-25 to FY 2028-29 is enclosed as **Annexure-V (M)**.

e. Return on Equity (RoE)

- i. In accordance with Clause No. 27 of TGERC Regulation No. 2 of 2023, the Debt-Equity ratio for the existing generating stations for which the tariff is determined is considered as approved by the Hon'ble Commission i.e., 70:30,
- ii. The rate of RoE has been considered as 20.713% for thermal stations and run-off river stations and 22.049% for hydel stations with pondage by grossing up the base rate of 15.5% and 16.5% with the applicable Corporate Tax rate of 22% with applicable Surcharge and CESS of 10% and 4% respectively. TGGENCO is following new tax regime as per section 115 BAA of the Income Tax Act 1961. Since FY 2020-21, effective tax rate is 25.168%.
- iii. The RoE claimed for the period FY 2024-25 to FY 2028-29 is enclosed as **Annexure-VI (M)**.

f. Non-tariff Income

The Non-Tariff Income projected for the period FY 2024-25 to FY 2028-29 has been deducted from the AFC of respective year as per Clause No. 43 of TGERC Regulation No. 2 of 2023.

g. Additional Pension liabilities

- i. In the statutory First Transfer Scheme dated 30.01.2000 notified by the erstwhile unified Government of Andhra Pradesh under the AP Electricity Reform Act, 1998, the obligation to meet pension liability of the erstwhile APSEB employees was vested with the erstwhile APGENCO. Subsequently, the G.O.Ms.No.29 (Transfer Scheme) issued on 31.05.2014 as per the AP Electricity Reform Act, 1998 and AP Reorganization Act, 2014 provides for the payment of pension liabilities by TGGENCO.
- ii. For the purpose of discharging pension liability as discussed above, a Master Trust was formed. During the year 2002-03, the erstwhile APGENCO issued two series of bonds, guaranteed by the erstwhile

Government of Andhra Pradesh, to the Trust which are redeemable over a period of 30 years. In order that the Master Trust is liable to pay 100% of the pension commitment of pensioners as on 31.01.1999 and 74% of the pension commitment of employees who retired after 01.02.1999 (26% being funded by the separate P&G Trusts of the erstwhile APGENCO, APTRANSCO and four DISCOMs); the APGENCO is required to make the following annual payments as per the bond schedule:

- iii. An amount towards repayment of the principal as per the bond schedule;
- iv. Interest on the outstanding liability as per the bond schedule;
- v. Additional interest, being the actual amount of pension payment in a year in excess of the aggregate for that year of the scheduled repayment and interest aforesaid as per the bond schedule, which is passed through in the tariff.
- vi. The erstwhile APERC in the Order dated 24.03.2003 in O.P.No.402 of 2002 allowed actual pension liabilities as a passthrough in the tariff on a year-to-year basis up to the FY 2032-33. The aforementioned Order of the APERC shows that any additional liability due to increase in the amount of pension is recognized as a pass through in the tariff of APGENCO.
- vii. During the formation of Telangana State, the liability (pertaining to 42.39% of the total pension liability of the erstwhile APGENCO based on the provisional balance sheet of APGENCO as on 31.03.2014) was transferred to TGGENCO vide G.O.Ms.No.29 dated 31.05.2014 (Transfer Scheme notified by the erstwhile Government of A.P.) based on the provisions of the A.P. Reorganization Act, 2014 and the AP Electricity Reforms Act, 1998.
- viii. The additional interest has been recognized and allowed as a separate item in the tariff on a year-to-year basis by the Hon'ble Commission in Tariff Orders issued till the latest issued Mid Term Review Order for 4th Control Period dated 23.03.2023.

ix. However, as per Clause No. 45.1 of TGERC Regulation No. 2 of 2023, the unfunded past liabilities of pension and gratuity have to be included under O&M Expenses of the generating entity. Considering the fact that the actual additional pension liability is not pertaining to TGGENCO but is a liability transferred to TGGENCO and also the ruling of the erstwhile APERC in Order dated 24.03.2003 in O.P.No.402 of 2002, the Hon'ble Commission is requested to allow the additional pension liability as a separate item in the tariff of TGGENCO and also allow the Petitioner to submit the actual expenses during true up of respective year.

h. Water Charges

The Petitioner requests the Hon'ble Commission to allow the estimated water charges in the Annual Fixed Charges of the generating stations and allow the Petitioner to submit the actual expenses during true up of respective year.

i. Energy Charges

The Energy Charges for thermal stations calculated as per Clause 46.4 of TGERC Regulation No. 2 of 2023. The weighted average landed price of coal and secondary oil for the past 3 months (Jan-2024, Feb-2024 and Mar-2024) is considered for FY 2024-25 with 2% escalation year on year till FY 2028-29.

The provisional Energy Charge Rate (ECR) claimed for thermal stations is tabulated below.

Rs.

Station Name	2024-25	2025-26	2026-27	2027-28	2028-29
KTPS-V	4.194	4.277	4.363	4.450	4.539
KTPS-VI	3.744	3.819	3.895	3.973	4.053
KTPS-VII	3.618	3.690	3.764	3.839	3.916
RTS-B	4.634				
KTPP-I	3.369	3.436	3.505	3.575	3.646
KTPP-II	3.163	3.227	3.291	3.357	3.424
RTPS	3.338	3.404	3.472	3.542	3.613

It is to submit that actual Energy Charges shall be claimed as per the actual price of primary fuel and secondary fuel and GCV as per the Regulations.

j. Station-wise details of Fixed charges for FY: 2024-29 is tabulated below.

FIXED CHARGES FOR 5TH CONTROL PERIOD 2024-29						(Rs. in Crores)
Station Name	2024-25	2025-26	2026-27	2027-28	2028-29	Total-5Y
KTPS V	426.38	450.68	476.78	500.72	503.18	2357.74
KTPS VI	479.77	494.47	509.64	525.75	543.00	2552.64
KTPS VII	1362.18	1439.89	1552.58	1596.78	1614.45	7565.87
RTS	129.80	0.00	0.00	0.00	0.00	129.80
KTPP I	416.40	428.89	441.20	455.92	469.11	2211.51
KTPP II	754.42	756.20	760.43	767.55	770.86	3809.47
BTPS	1723.50	1957.83	2093.20	2083.25	2075.09	9932.87
NSHES	355.21	378.58	389.20	401.56	412.32	1936.87
SLBHES	498.57	519.91	520.91	522.36	524.30	2586.05
Small Hydel	60.93	67.14	70.23	73.00	75.94	347.23
Mini Hydel	13.99	17.06	19.44	19.90	20.39	90.78
Pochampad-II	12.51	15.67	17.82	18.14	18.49	82.62
PJHES	116.99	118.94	120.24	121.68	123.27	601.12
LJHES	231.35	234.30	234.97	234.76	234.71	1170.10
PCHES	104.69	109.87	112.64	114.12	115.75	557.07
Total	6686.67	6989.43	7319.28	7435.51	7500.87	35931.76
Non-Tariff Income	-110.76	-113.64	-118.19	-122.91	-127.83	-593.329
Add'l'n Pens. Liability	1367.73	1489.46	1617.06	1785.01	1946.2	8205.46
Water charges	33.47	33.65	33.84	34.04	34.25	169.25
Total	7977.11	8398.90	8852.00	9131.64	9353.49	43713.14

III. As per Clause No.6.2 (a) (iv) of TGERC Regulation 2 of 2023, the proposal of Determination of input price of coal from integrated mine for each year of 5th Control Period for Generation Business is detailed below:

Determination of input price of coal from integrated mine the period FY 2024-25 to FY 2028-29

- i. Ministry of Coal vide letter dated 24.03.2015 has allocated Tadicherla-I coal Block to TGGENCO to meet the coal requirement of Kakatiya Thermal Power Project Stage-II (1x600 MW) and the Allotment Agreement was entered into with the Nominated Authority, MoC, Gol on 30.03.2015. TGGENCO has selected a Mine Developer cum Operator (MDO) for Development and Operation of Tadicherla-I coal mine through competitive bidding and Coal Mining Service Agreement was entered with MDO on 06.05.2017. The Mining Operation of Tadicherla -I Coal Mine (OB removal) commenced w.e.f. 11.12.2017 and the transportation of coal commenced w.e.f. 28.04.2018.
- ii. As per Part VI of TGERC Regulation No. 2 of 2023, the Petitioner has to submit the relevant information for determination of input price for the period FY 2024-25 to FY 2028-29. Accordingly, the input price of coal from integrated mine is calculated and tabulated below.

S. No.	Particulars	Units	Control Period					Remarks
			2024-25	2025-26	2026-27	2027-28	2028-29	
			Projected	Projected	Projected	Projected	Projected	
1	Input Price	Rs./MT	6225.37	6528.08	6846.19	7180.47	7531.74	

The Annual Fixed & Energy charge and Input price of coal from integrated mine calculation sheets in the formats communicated by TGERC are herewith enclosed.

Auxiliary Consumption of BTPS

It is requested to allow the Auxiliary Consumption of BTPS as 8.792% against 8.5% as certain modifications were carried out to Boiler and ESPs.

Reservation

- i. Nothing in this application be construed as any admission or to prejudice any disputes, issues, dissensions or
- ii. contentions of the TGGENCO and/or the State of Andhra Pradesh, whether raised hitherto or hereafter, on any matter arising out of the provisions of the A.P. Reorganization Act, 2014, or otherwise, including but not limited to issues relating to the supply of power from the TGGENCO generating stations to the Distribution Companies or the validity of the PPAs.
- iii. Nothing in this application be construed to limit or affect the provisional nature of any valuation of any asset or liability by or under any transfer scheme or otherwise, and provision may be made to give full consequential effect for any variation or upon any finalization of the same hereafter.

Payment mechanism

- a) All taxes, duties, cess, fee payable to Government on the generation and/or supply of electricity and /or auxiliary consumption shall be extra and payable at actuals.
- b) Revolving Letter of Credit to be opened by the beneficiary for an amount of one month's receivable, and there upon the applicable rebate be allowed.
- c) Surcharge: 1.25% per month as surcharge for belated payment may be allowed
- d) Billing and payment of charges:

Billing and payment of charges shall be done on monthly basis.

Prayer

For the above reasons and for such other and/or further reasons and grounds as may be urged at the time of hearing, the Applicant prays that the Hon'ble Commission may be pleased to

- a) To consider and admit the delay petition as miscellaneous petition for condoning the delay in MYT filings for the 5th control period i.e., FY: 2024-25 to FY: 2028-29 for Generation Business by TGGENCO.
- b) Accept and take on record the Application for Truing up of the Generation tariff for FY 2022-23 and projected Fixed charges for the period FY 2024-25 to FY 2028-29 along with input price of coal from integrated mine for the period FY 2024-25 to FY 2028-29.
- c) Further, it is requested to allow the Auxiliary Consumption of BTPS as 8.792% against 8.5% as certain modifications were carried out to Boiler and ESPs.
- d) Condone any error/ omission and give opportunity to rectify the same.
- e) To grant suitable opportunity to TGGENCO within reasonable time frame to file additional material information, if required.

TELANGANA POWER GENERATION CORPORATION LIMITED
(APPLICANT)

Through

Place: Hyderabad

Dated: 20th 09-2024

✓ 
RONALD ROSE DINAKARAN
CHAIRMAN AND MANAGING DIRECTOR

Final appt
21-09-2024

Annexure-I (T)									
GFA and additional capitalization for FY 2019-20 to FY 2022-23									
S.No.	Station	Approved in MTR Order			2022 - 23			2022-23	
		GFA as per GTO as on 01.04.19	Additions 19-20	Additions 20- 21	GFA as on 1.04.2021	Additions Approved in 21- 22	GFA As 01.04.2022	Actual Additions in 22-23	
1	KTPS-V	2,149.48	3.37	36.14	2,188.99	80.89	2,269.88	6.06	
2	KTPS-VI	2,530.48	-57.12	0	2,473.36	0	2,473.36	(0.13)	
3	KTPS-VII	4,602.87	174.27	191.8	4,968.94	53.13	5,022.07	72.33	
4	RTS-B	127.04	0	0	127.04	0	127.04	-	
5	KTPP-I	2,548.83	0	0	2,548.83	0	2,548.83	0.17	
6	KTPP-II	3,408.75	22.15	83.33	3,514.23	253.54	3,767.77	(6.50)	
7	BTPS	-	0	4871.17	4,871.17	2075.12	6,946.29	312.83	
8	Nagarjuna Complex	1,920.80	0	0	1,920.80	0	1,920.80	(0.00)	
9	Srisailem LB	3,375.71	0	0	3,375.71	0	3,375.71	12.24	
10	Small Hydel	120.54	0	0.77	121.31	0.48	121.79	0.09	
11	Mini Hydel	31.23	0	0	31.23	0	31.23	0.00	
12	Pochampad- II	29.74	0	0	29.74	0	29.74	-	
13	Priyadarshini Jurala	690.68	0	0	690.68	0	690.68	0.79	
14	Lower Jurala	1,617.59	4.43	3.47	1,625.49	1.98	1,627.47	4.11	
15	Pulichintala	433.85	4.71	1.07	439.63	1.05	440.68	0.04	
Total		23,587.59	151.81	5,187.75	28,927.15	2,466.19	31,393.34	402.05	

Annexure-II (T)				
Depreciation for FY 2022-23				
S.No.	Station	Actuals	Approved in MTR Order Dt.23.03.2023	Variance (Actuals -Approved)
1	KTPS-V	34.59	73.33	(38.74)
2	KTPS-VI	126.12	129.12	(3.00)
3	KTPS-VII	261.87	253.40	8.47
4	RTS-B	9.82	10.11	(0.29)
5	KTPP-I	128.09	131.41	(3.32)
6	KTPP-II	194.38	197.65	(3.27)
7	BTPS	360.88	329.05	31.83
8	Nagarjuna Complex	100.42	87.97	12.45
9	Srisaillam LB	59.30	86.43	(27.13)
10	Small Hydel	1.19	4.04	(2.85)
11	Mini Hydel	0.37	0.90	(0.53)
12	Pochampad- II	0.58	0.72	(0.14)
13	Priyadarshini Jurala	19.67	20.11	(0.44)
14	Lower Jurala	81.51	81.49	0.02
15	Pulichintala	19.24	11.24	8.00
Total		1398.04	1,416.97	(18.93)

Note:

1. In case of RTS-B the useful life is considered upto 31.03.2025 and for KTPS-V the useful life considered upto 31.0.2029

Annexure-III (T)					
Avg. Interest on Loan and Interest on Loan & Finance Charges					
Sl. No.	Station	Weighted average interest rate on loan	Actuals	Approved in MTR Order, Dt.23.03.02023	Variance (Actuals- Approved)
1	KTPS-V	9.95%	0.00	8.39	(8.39)
2	KTPS-VI	10.33%	1.31	1.34	(0.03)
3	KTPS-VII	9.97%	264.27	275.05	(10.78)
4	RTS-B	9.95%	0.20	0	0.20
5	KTPP-I	9.95%	0.00	1.09	(1.09)
6	KTPP-II	10.28%	148.62	137.16	11.46
7	BTPS	10.08%	442.58	398.79	43.79
8	Nagarjuna Complex	10.37%	22.30	19.57	2.73
9	Srisaillam LB	10.15%	55.30	56.28	(0.98)
10	Small Hydel	-	0.00	0.39	(0.39)
11	Mini Hydel	12.50%	0.21	0.11	0.10
12	Pochampad- II	10.10%	1.02	0.97	0.05
13	Priyadarshini Jurala	10.32%	19.08	18.67	0.41
14	Lower Jurala	10.29%	66.07	61.4	4.67
15	Pulichintala	10.56%	24.68	22.4	2.28
Total			1,045.66	1001.61	44.05

Annexure-IV (T)				
Interest on working capital				
S.No.	Station	Interest on working capital	Approved in MTR Order, Dt. 23.03.2023	Variance (Actual - Approved)
1	KTPS-V	38.67	30.27	8.40
2	KTPS-VI	41.91	32.01	9.90
3	KTPS-VII	64.38	59.87	4.51
4	RTS-B	6.78	6.48	0.30
5	KTPP-I	36.62	33.26	3.36
6	KTPP-II	51.70	41.75	9.95
7	BTPS	86.31	63.34	22.97
8	Nagarjuna Complex	10.65	7.03	3.62
9	Srisaillam LB	12.74	8.41	4.33
10	Small Hydel	1.64	1.56	0.08
11	Mini Hydel	0.58	0.28	0.30
12	Pochampad- II	0.25	0.28	(0.03)
13	Priyadarshini Jurala	3.21	2.2	1.01
14	Lower Jurala	5.88	4.66	1.22
15	Pulichintala	2.79	1.99	0.80
	Total	364.13	293.39	70.74

Annexure-V (T)							
O&M Expenses							
S.No.	Station	Actual Emp. Cost	Actual R&M	Actual A&G	Actual-O&M	Approved in MTR Order, Dt. 23.03.2023	Variance (Actuals - Approved)
1	KTPS-V	208.43	24.75	12.46	245.64	188.61	57.03
2	KTPS-VI	208.43	24.75	12.46	245.64	189.22	56.42
3	KTPS-VII	419.16	41.63	30.82	491.60	403.31	88.29
4	RTS-B	75.13	8.42	10.69	94.24	90.47	3.77
5	KTPP-I	168.54	32.69	7.10	208.32	163.04	45.28
6	KTPP-II	202.24	39.23	8.52	249.99	180.47	69.52
7	BTPS	346.38	34.07	12.11	392.56	159.96	232.60
8	Nagarjuna Complex	155.62	8.39	9.68	173.70	100.3	73.40
9	Srisailem LB	148.26	31.98	10.90	191.14	87.2	103.94
10	Small Hydel	36.79	1.14	1.04	38.97	37.73	1.24
11	Mini Hydel	13.38	0.41	0.38	14.18	6.4	7.78
12	Pochampad- II	4.82	0.15	0.14	5.10	6.29	(1.19)
13	Priyadarshini Jurala	44.86	3.16	1.72	49.74	28.02	21.72
14	Lower Jurala	44.86	3.16	1.72	49.74	30.11	19.63
15	Pulichintala	37.59	3.59	0.98	42.16	29.53	12.63
	Total	2,114.49	257.52	120.72	2,492.72	1700.66	792.06

Annexure-VI (T)				
Return on Equity				
S.No.	Station	Actual-ROE	Approved as per MTR Order, Dt. 2303.2023	Variance
1	KTPS-V	141.24	127.89	13.35
2	KTPS-VI	153.69	139.36	14.33
3	KTPS-VII	314.31	288.43	25.88
4	RTS-B	7.89	7.16	0.73
5	KTPP-I	153.39	143.61	14.78
6	KTPP-II	233.92	213.57	20.35
7	BTPS	441.36	406.16	35.20
8	Nagarjuna Complex	127.06	115.21	11.85
9	Srisailem LB	223.70	202.47	21.23
10	Small Hydel	8.06	7.56	0.50
11	Mini Hydel	1.94	1.76	0.18
12	Pochampad- II	1.97	1.78	0.19
13	Priyadarshini Jurala	42.94	38.92	4.02
14	Lower Jurala	101.26	92.2	9.06
15	Pulichintala	29.15	26.61	2.54
Total		1,986.88	1812.69	174.19

Annexure-VII (T)			
Energy Charges for FY: 2022-23			
Station	Actual (True-up)	Approved MYT/	Variance
KTPS-V	1058.607	1152.707	-94.101
KTPS-VI	1123.759	1271.830	-148.071
KTPS-VII	1245.770	1234.593	11.176
RTS-B	101.484	101.046	0.439
KTPP-I	966.118	1054.589	-88.471
KTPP-II	1327.368	1427.174	-99.806
BTPS	2071.721	1752.127	319.593
Total	7894.827	7994.067	-99.240

Annexure-VIII (T) (i)

Station wise Thermal Incentive for the FY 2022-23

S.No.	Station	Installed Capacity (MW)	Normative Auxiliary Consumption (%)	Energy Export (from 01.04.2022 to 31.03.2023) (Kwh)	Normative Generation (Kwh)	Target PLF for Incentive %	Generation at Target PLF (Kwh)	Generation eligible for Incentive (Kwh)	Incentive @50 ps/kwh (Rs.)
		a	b	c	$d = (c / (1 - Aux/100))$	e	$f = a * e * 365 * 24 * 1000$	$g = d - f$	$h = g * 0.5$
1	KTPP Stage-I	500	7.5	2978802022.00	3220326510	80.00%	3504000000.00	0.00	0
2	KTPP Stage-II	600	7.0	4166545829.00	4480156305	80.00%	4204800000.00	275356805.38	137678403
3	KTPS Stage-VII	800	5.25	4013326412.00	4235700599	85.00%	5956800000.00	0.00	0
4	KTPS Stage V	500	9.0	3173638714.00	3487515070	80.00%	3504000000.00	0.00	0
5	KTPS Stage VI	500	7.5	3462072400.00	3742780973	80.00%	3504000000.00	238780972.97	119390486
6	RTS-B	62.5	10.0	232187235.00	257985817	75.00%	410625000.00	0.00	0
7	BTPS	1080	8.50	5633129000.00	6156425137	85.00%	8041680000.00	0.00	0
	Total	4042.5		23659701612.00	25580891011			514137778.35	257068889
Total Amount to be claimed from TGPCC (from 01.04.2022@00:00hrs to 31.03.2023@24:00hrs) (Rs. in Cr.)									
Amount to be claimed from TGSPDCL (70.55%)(Rs. in Cr.)									
Amount to be claimed from TGNPDCL (29.45%)(Rs. in Cr.)									
									25.7068889
									18.1362101
									7.5706788

Annexure-VIII (T) (ii)

Provisional Bill for Secondary Energy Charges for FY 2022-23

[illegible]

Annexure-IX(T)

True-up Charges claimed for FY: 2022-23

S.No.	Station	Depreciation	O&M	ROE	Int. on Loan	IoWC	Total-FC	Approved in MTR Order, Dt. 23.03.2023	Variance (Actual - Approved)
1	KTPS-V	34.59	245.64	141.24	-	38.67	460.13	428.49	31.64
2	KTPS-VI	126.12	245.64	153.69	1.31	41.91	568.67	491.05	77.62
3	KTPS-VII	261.87	491.60	314.31	264.27	64.38	1,396.43	1280.06	116.37
4	RTS-B	9.82	94.24	7.89	0.20	6.78	118.93	114.22	4.71
5	KTPP-I	128.09	208.32	158.39	-	36.62	531.43	472.41	59.02
6	KTPP-II	194.38	249.99	233.92	148.62	51.70	878.62	770.6	108.02
7	BTPS	360.88	392.56	441.36	442.58	86.31	1,723.69	1357.3	366.39
8	Nagarjuna Complex	100.42	173.70	127.06	22.30	10.65	434.13	330.08	104.05
9	Srisailam LB	59.30	191.14	223.70	55.30	12.74	542.19	440.79	101.40
10	Small Hydel	1.19	38.97	8.05	-	1.64	49.87	51.27	-1.40
11	Mini Hydel	0.37	14.18	1.94	0.21	0.58	17.28	9.45	7.83
12	Pochampad- II	0.58	5.10	1.97	1.02	0.25	8.93	10.04	-1.11
13	Privadarshini Jurala	19.67	49.74	42.94	19.08	3.21	134.64	107.92	26.72
14	Lower Jurala	81.51	49.74	101.25	66.07	5.88	304.46	269.86	34.60
15	Pulichintala	19.24	42.16	29.15	24.68	2.79	118.02	91.77	26.25
	Total	1,398.04	2,492.72	1,986.83	1,045.65	364.13	7,287.43	6225.31	1062.12
	Less: Non-Tariff Income (Actuals)						(191.08)	(32.30)	-158.78
	Add: Additional pens. Liab. (Actuals)						1,288.27	1108.67	179.60
	Add: Water Charges (Actuals)						41.53	62.05	-20.52
	Energy charges						7,894.83	7994.07	-99.24
	Grand Total						16,320.98	7363.73	963.18

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Annexure-I (M)					
Status of Power Purchase Agreements					
S.No	Name of the Generating station	Installed capacity (MW)	PPA Date	Valid Upto	Commissioning/ COD of units
Thermal Stations					
1	KTPS Stage -V	500(2X250)	28.03.2024	31.03.2029	31.03.1997 to 28.02.1998
2	KTPS Stage- VI	1X500	22.12.2009	22.10.2036	23.10.2011
3	KTPS- Stage VII	1x800MW	19.03.2018	25.12.2043	26.12.2018
4	RTS -B	1X62.5	28.03.2024	31.03.2025	17.10.1971
5	KTPP Stage – I	1X500	22.12.2009	13.09.2035	14.09.2010
6	KTPP Stage II	1X600	27.01.2016	23.03.2041	24.03.2016
7	BTPS	4x270MW	17.09.2019	08.01.2047	05.06.2020 to 09.01.2022
Hydel Stations					
9	N' Sagar HES (Main power house & left canal)	875.6 (1x110+ 7x100.8+2x30)	17.09.2019	31.03.2029	07.03.1978 to 27.09.1992
10	SLBHES	900(6X150)	17.09.2019	31.03.2029	26.01.2001 to 04.09.2003
11	Small Hydel (Singur, Pochampad, Nizam sagar & Palair HES)	54 (2X7.5+ 3X9+2X5 & 1X2)	17.09.2019	31.03.2029	07.03.1978 to 31.03.2000
12	Mini hydel (Peddapalli HES)	9.16 (6X0.22+3X0.23+ 2X0.325+ 10X0.5+ 2X0.75)	17.09.2019	31.03.2029	31.03.1986 to 29.01.2004
13	Pochampad -II	9	22.12.2009	11.10.2045	12.10.2010
14	Priyadharshini Jurala HES	234(6X39)	19.05.2014	03.08.2046	31.08.2008 to 04.08.2011
15	Lower Jurala HES	240(6X40)	30.12.2010	30.09.2051	19.10.2015 to 01.10.2016
16	Pulichinthala HES	120(4x30)	30.12.2010	07.09.2053	29.09.2016 to 08.09.2018

Annexure-II (M)						
Depreciation for 5th Control Period FY 2024-25 (Rs.in Cr.)						
Station Name	2024-25	2025-26	2026-27	2027-28	2028-29	Total-5Y
KTPS V	35.53	44.13	55.68	63.18	69.18	273.69
KTPS VI	22.30	22.50	22.50	22.50	22.50	112.29
KTPS VII	174.38	182.21	216.73	223.30	231.11	1033.73
RTS	9.86	0.00	0.00	0.00	0.00	9.86
KTPP I	17.50	18.52	18.71	20.50	20.50	95.74
KTPP II	113.02	113.21	113.28	115.25	115.25	570.01
BTPS	242.05	296.28	347.74	347.74	347.74	1581.56
NSHES	56.36	68.58	72.56	73.11	76.25	349.86
SLBHES	60.26	68.32	68.32	63.32	68.32	333.53
Small Hydel	1.14	2.64	2.84	2.84	2.84	12.31
Mini Hydel	0.37	0.89	1.56	1.56	1.56	5.93
Pochampad- II	0.58	1.13	1.71	1.71	1.71	6.85
PJHES	11.16	11.40	11.40	11.40	11.40	56.76
LJHES	26.61	27.38	27.68	27.68	27.68	137.03
PCHES	8.62	9.37	9.74	9.74	9.74	47.20
Total	779.74	866.56	970.44	1003.83	1005.77	4626.35

Annexure-III (M)						
Interest on Loan and Interest on Loan & Finance Charges						
Station Name	2024-25	2025-26	2026-27	2027-28	2028-29	Total-5Y
KTPS V	0.00	0.00	0.00	0.00	0.00	-
KTPS VI	0.00	0.00	0.00	0.00	0.00	-
KTPS VII	232.68	243.70	254.73	240.89	218.24	1,190.23
RTS	0.00	0.00	0.00	0.00	0.00	-
KTPP I	0.00	0.00	0.00	0.00	0.00	-
KTPP II	114.55	103.06	92.54	81.88	70.01	462.05
BTPS	458.47	522.75	532.95	496.85	461.20	2,472.23
NSHES	7.27	5.24	1.34	0.00	0.00	13.85
SLBHES	49.93	49.13	42.19	35.26	28.33	204.84
Small Hydel	0.65	1.28	1.07	0.72	0.36	4.08
Mini Hydel	0.60	1.59	2.01	1.82	1.63	7.65
Pochampad- II	1.44	2.44	2.85	2.67	2.50	11.89
PJHES	16.26	15.37	14.20	13.04	11.88	70.76
LJHES	53.07	51.63	49.17	46.35	43.53	243.74
PCHES	22.20	22.75	22.22	21.20	20.17	108.54
Total	957.13	1,018.93	1,015.29	940.68	857.83	4,789.86

Annexure-IV (M)							
Interest on working capital for FY: 2024-29							
Station Name	2024-25	2025-26	2026-27	2027-28	2028-29	Total-5Y	
KTPS V	35.48	36.44	37.46	38.51	39.17	187.04	
KTPS VI	34.60	35.39	36.18	37.03	37.86	181.09	
KTPS VII	63.87	65.98	69.14	71.04	72.32	342.34	
RTS	5.41	0.00	0.00	0.00	0.00	5.41	
KTPP I	30.99	31.66	32.35	33.14	33.83	161.97	
KTPP II	39.54	40.15	40.82	41.53	42.22	204.31	
BTPS	77.12	82.55	86.66	87.74	88.71	422.79	
NSHES	7.70	8.16	8.39	8.63	8.86	41.75	
SLBHES	10.93	11.43	11.51	11.61	11.70	57.18	
Small Hydel	1.30	1.43	1.50	1.53	1.62	7.40	
Mini Hydel	0.30	0.35	0.40	0.41	0.42	1.88	
Pochampad- II	0.25	0.31	0.36	0.37	0.38	1.67	
PJHES	2.54	2.59	2.63	2.67	2.71	13.13	
LJHES	4.93	5.01	5.05	5.07	5.10	25.17	
PCHES	2.11	2.22	2.29	2.33	2.37	11.33	
Total	317.06	323.68	334.74	341.72	347.26	1,664.46	

Annexure-V (M)							
O&M Expenses							
S.No.	Station Name	FY 2024-25	FY 2025-26	FY 2026-27	FY 2027-28	FY 2028-29	FY 2024-29
1	KTPS V	270.25	284.42	299.37	315.03	331.13	1,500.20
2	KTPS VI	269.11	282.75	297.14	312.36	328.46	1,489.82
3	KTPS VII	568.91	600.53	637.31	673.00	709.30	3,189.05
4	RTS	109.87	0.00	0.00	0.00	0.00	109.87
5	KTPP I	209.15	219.54	230.41	242.08	254.21	1,155.40
6	KTPP II	252.96	265.31	278.34	292.42	306.98	1,396.01
7	BTPS	442.02	473.92	506.22	531.29	557.81	2,511.27
8	NSHES	153.51	162.21	170.98	183.20	189.84	856.74
9	SLBHES	147.45	155.70	163.55	171.85	180.63	819.18
10	Small Hydel	48.98	52.04	54.97	53.03	61.26	275.27
11	Mini Hydel	10.43	11.19	12.02	12.66	13.33	59.63
12	Pochampad- II	7.77	8.32	8.90	9.39	9.90	44.28
13	PJHES	43.73	46.06	48.49	51.05	53.76	243.09
14	LJHES	44.27	46.66	49.13	51.73	54.47	246.27
15	PCHES	41.69	44.11	46.55	49.02	51.63	233.00
	Total	2,620.10	2,652.75	2,803.39	2,950.11	3,102.72	14,129.07

Annexure-VI (M)

RETURN ON EQUITY for 5th Control Period (FY: 2024-29)

Station Name	2024-25	2025-26	2026-27	2027-28	2028-29	Total-5Y
KTPS V	85.13	85.70	84.27	78.02	63.70	396.80
KTPS VI	153.76	153.83	153.83	153.83	154.19	769.44
KTPS VII	322.34	347.47	374.67	382.55	383.48	1,810.52
RTS	4.67	0.00	0.00	0.00	0.00	4.67
KTPP I	158.75	159.16	159.71	160.21	160.57	798.40
KTPP II	234.34	234.47	235.46	236.41	236.41	1,177.09
BTPS	503.83	582.32	619.63	619.63	619.63	2,945.03
NSHES	130.38	134.40	135.93	136.60	137.37	674.67
SLBHES	230.00	235.33	235.33	235.33	235.33	1,171.33
Small Hydel	8.86	9.75	9.86	9.86	9.86	48.17
Mini Hydel	2.29	3.04	3.45	3.45	3.45	15.69
Pochampad- II	2.46	3.48	4.00	4.00	4.00	17.94
PJHES	43.30	43.52	43.52	43.52	43.52	217.38
LJHES	102.48	103.62	103.93	103.93	103.93	517.89
PCHES	30.07	31.41	31.84	31.84	31.84	156.99
Total	2,012.64	2,127.50	2,195.42	2,199.17	2,187.28	10,722.02