

**TSGENCO Replies on Mid Term Review (MTR) Petition on Generation Tariff Order, Dt. 22.03.2022**  
**for the Fourth Control Period (2019-24) - Data Gaps and Additional Information:**

**I General**

1. **Hon'ble TSERC Remarks:** TSGENCO to submit the soft copy of all the forms provided in filings in MS Excel with formulas and linkages.

**Reply:** The soft copy of all the forms in MS Excel with formulas and linkages as per filings are herewith submitted in Pen Drive.

2. **Hon'ble TSERC Remarks:** TSGENCO had filed petition on 18.07.2022 for revision of tariff considering the capital cost up to COD of 4<sup>th</sup> unit of Bhadradri Thermal Power Station (4X270 MW) for the fourth control period. The figures of BTPS in the present MTR petition are varying from those which were filed in petition on 18.07.2022 for revision of tariff of BTPS as shown below.

Particulars	Depreciation	O&M expenses	Return on equity	Interest on loan	loWC	NTI	Fixed charges
<b>FY 2020-21</b>							
<b>Filed in TSGENCO MTR</b>	125.05	92.78	92.96	158.85	24.83		494.47
<b>Filed in Revised tariff petition for BTPS</b>	125.05	105.50	78.61	168.27	19.27	2.70	494.01
<b>FY 2021-22</b>							
<b>Filed in TSGENCO MTR</b>	275.73	152.42	226.44	480.61	58.85		1194.04
<b>Filed in Revised tariff petition for BTPS</b>	283.37	307.17	224.36	491.30	66.73	7.12	1365.81
<b>FY 2022-23</b>							
<b>Filed in TSGENCO MTR</b>	350.57	161.57	122.12	636.09	70.89		1341.25
<b>Filed in Revised tariff petition for BTPS</b>	350.10	394.85	186.25	650.06	73.33	9.49	1645.10
<b>FY 2023-24</b>							
<b>Filed in TSGENCO MTR</b>	350.07	171.26	501.69	622.77	76.67		1722.96
<b>Filed in Revised tariff petition for BTPS</b>	350.10	408.67	525.99	695.01	79.39	9.49	2049.68
<b>TOTAL</b>							
<b>Filed in TSGENCO MTR</b>	1101.92	578.03	943.20	1898.32	231.25		4752.72
<b>Filed in Revised tariff petition for BTPS</b>	1108.62	1216.19	1015.22	2004.65	238.73	28.80	5554.60

TSGENCO to submit reasons for the above variations and to clarify the figures to be considered in case of BTPS.

**Reply:**

- a. The Bhadradri Thermal Power Station (BTPS) Revised Tariff Petition has been filed in compliance to the directive No.6 of Generation Tariff Order Dt.22.03.2022. Similarly Mid Term Review filings are in compliance to directive No.5 of GTO Dt.22.03.2022 duly following Clause No. 27 of Hon'ble TSERC Regulations 1 of 2019 Gazette Dt.01.02.2019.
- b. In respect of BTPS, in Mid-Term Review filings capital cost etc., were filed based on actual expenditure (Audited Accounts), as against provisional estimates based on administrative approval and scheduled completion of various works filed in Revised tariff petition. There is overall decrease in fixed charges claim amounting to Rs.802 Crs (approx.) in the Mid-term review filings when compared with fixed charges claimed in revised petition, as detailed below:

S.No.	Fixed cost Component	Filed in BTPS- Revised Pition Dt.18.07.22	Filed in MTR Dt.30.11.22	Variations
1	Depreciation	1,108.62	1,101.92	(6.70)
2	O&M Expenses	1,216.19	578.03	(638.16)
3	Return on Equity	1,015.22	943.20	(72.02)
4	Interest on Loan	2,004.65	1,898.32	(106.33)
5	IoWC	238.73	231.25	(7.48)
6	NTI	28.80	-	(28.80)
	<b>Total</b>	<b>5,554.61</b>	<b>4,752.72</b>	<b>(801.89)</b>

c. **Component wise reasons for variations as detailed below:**

- O&M Expenses:** In Revised Tariff Petition, O&M expenses were provisionally computed based on CERC Regulations 2019 on MW basis, in line with the orders of Hon'ble TSERC issued in GTO dt.22.03.22, whereas in Mid-Term Review filings, O&M expenses are claimed based on actual expenses (audited accounts) incurred during FY 2019-22. For the subsequent years, escalated thereon, as per Hon'ble TSERC Regulations 1 of 2019.
- Return on Equity:** As explained above, in Revised Tariff Petition, provisional equity base is arrived duly deducting the actual loan from the provisional Gross Fixed Assets (GFA), whereas, in Mid-Term Review filings actual equity base (Net Fixed Assets – Actual Loan) is considered for claiming Return on Equity. There is no variation in rate of ROE between the two filings.
- Other Components:** Depreciation, Interest on loan, Interest on Working capital, Non-Tariff Income components are provisional in Revised Tariff Petition, whereas in Mid-Term Review filings, those are actuals based on Audited Annual Accounts. In Mid-Term Review filings, NTI is adjusted at the end with total fixed charges; hence it is not appearing against each station.

It is to submit that, in determination of tariff of BTPS Mid-term review filings are requested to be considered, as they are filed as per Audited Annual Accounts.

## II. Fixed Charges:

- 3. Hon'ble TSERC Remarks:** TSGENCO has shown an increase of Rs.576 Cr. in O&M expenses as against the approved value in the Generation Tariff Order for the period from 2019-24, out of which the increase of employee expenses is Rs.418.02 Crs. from FY: 2019-20 to FY: 2021-22. Submit reasons with supporting documents for increase in O&M expenses and Employee cost for each Generating station with the details of variation in Repairs and Maintenance cost and Administrative & General Expenses for FY: 2019-20 to 2021-22.

**Reply:** The Hon'ble Commission observation of increase in O&M expenditure claimed by TSGENCO in midterm review petition as against MYT approved was examined in detail. In this connection it was observed that the actual O&M expenditure is less than the O&M Expenditure approved by the commission in the year 2019-20 and the overall actual O&M expenditure of the company during the period from 2019-20 to 2021-22 is within the limits considering inflation.

The actual O&M expenditure in F.Y 2019-20 is Rs.1654.86 and Rs.1848 Crores in F.Y.2021-22, the increase is 11.66% in three years, whereas the commission approved O&M expenditure Rs.1675.11 Crores for F.Y.2019-20 and Rs.1689.04 Crores for F.Y.2021-22 for three years period the increase less than 1%. The deviations are mostly in the actual O&M expenditure Vs commission allowed O&M expenditure in respect of new Stations.

Further to the above, it was observed that an inadvertent totaling error was occurred in the data filed regarding O&M Expenditure, the same is now modified & submitted herewith for the consideration of Hon'ble commission. After correction of totaling error the deviation is Rs.517.53 Crores as against Rs.576 Crores as per filings data.

- a. The element wise & year wise actual O&M expenditure as against the O&M expenditure approved by the Hon'ble commission are tabulated below.

Fin. Year	Employee Cost	R&M	A&G	Total
<b>2019-20</b>				
Approved	1,379.15	214.35	81.61	1,675.11
Actuals	1,382.43	184.20	88.23	1,654.86
<b>Variation</b>	<b>3.28</b>	<b>(30.15)</b>	<b>6.62</b>	<b>(20.25)</b>
<b>2020-21</b>				
Approved	1,099.67	183.03	75.94	1,358.64
Actuals	1,489.50	147.14	100.82	1,737.46
<b>Variation</b>	<b>389.83</b>	<b>(35.89)</b>	<b>24.88</b>	<b>378.82</b>
<b>2021-22</b>				
Approved	1,390.19	198.94	99.91	1,689.04
Actuals	1,445.72	224.44	177.84	1,848.00
<b>Variation</b>	<b>55.53</b>	<b>25.50</b>	<b>77.93</b>	<b>158.96</b>
<b>Total 2019-22</b>				
Approved	3,869.01	596.32	257.46	4,722.79
Actuals	4,317.65	555.78	366.89	5,240.32
<b>Variation</b>	<b>448.64</b>	<b>(40.54)</b>	<b>109.43</b>	<b>517.53</b>

In addition to the above, while filing the mid-term review filing the element wise O&M expenditure approved figure was considered as per Table 63 in page no.123 of GTO Dt.22.03.2022 without applying 99% criteria followed at Table 64 in page no.124. In this connection the addition data particulars applying 99% criteria is submitted for information of Hon'ble commission. In this connection it is pertinent inform that is no variation in actual O&M expenditure figure and commission approved figure filed in midterm review filings.

Element wise details are furnished below

**b. Employee Cost:**

- i. As seen from the above, out of the total increase in O&M expenses amounting to Rs.517.53 Crs, the employee cost increase itself is Rs.448.64 Crs. Further, it can be observed that there is no much increase in actual employee cost of the company during the three years period i.e., from Rs.1382.43 Crs to 1445.72 Crs respectively from FY 19-20 to 21-22 i.e. an increase of 4.58% only. However, the Hon'ble Commission approved the employee cost for the FY 20-21 Rs.1099.67 Crs, as against 1379.15 Crs. in FY 19-20. The reduction in approved employee cost is only due to the employee cost being incurred for KTPS-O&M employee, not considered by the Hon'ble Commission.
- ii. In addition to the above, in respect of new stations i.e., KTPS-VII & BTPS, the Hon'ble commission approved O&M charges based on norms per MW as per CERC Regulations 2019. In this connection, the normative charges approved and actual expenditure claimed in Mid-term review for these stations are detailed below:

Fin. Year	KTPS-VII			BTPS			Total		
	Approved	Actuals	Variation	Approved	Actuals	Variation	Approved	Actuals	Variation
20-21	134.78	409.04	274.26	93.52	85.68	(7.84)	228.30	494.72	266.42
21-22	139.57	352.50	212.93	340.48	134.73	(205.75)	480.05	487.23	7.18
<b>Total</b>	<b>274.35</b>	<b>761.54</b>	<b>487.19</b>	<b>434.00</b>	<b>220.41</b>	<b>(213.59)</b>	<b>708.35</b>	<b>981.95</b>	<b>273.60</b>

From the above, it can be seen that the actual expenditure is less than the norms in respect of BTPS and more in respect of KTPS-VII stage. It is due to very low normative charges allowed for super critical units. In addition as explained above, due to phasing out of KTPS-O&M units by 31.03.2020., the personnel working in the common auxiliaries facilities like coal plant, stores, colonies, civil wings, accounts,. Security, canteen etc., couldn't be transferred/ redeployed immediately were being utilized for KTPS-VII stage works, pending assessing the actual personnel requirement, whereas the additional manpower assessed were redeployed during the year 2020 & 2021 at other stations under construction including BTPS-O&M operations. The same can be observed from the above, as the employee cost of KTPS-VII stage reduced considerably during FY 21-22 and corresponding increase in BTPS & other stations. Further, the staffs utilized at KTPS-VII stage new unit are more senior employees

& experienced personnel's, such employee's cost is on higher side and the management is making every effort to minimize the employee cost at KTPS-VII stage. However, there used to be unavoidable shut down costs of KTPS-O&M which are essential for the operation of KTPS-VII stage and need to be allowed by the Hon'ble Commission.

**c. Repairs & Maintenance (R&M) Expenses:**

In Mid-Term Review Filings, expenses are claimed as per the actual expenses (Audited Annual Accounts). There is an overall decrease of Rs.(-) 40.54 Crs in R&M expenses claimed in Mid-Term Review, when compared to approved figures.

In respect of KTPS-VII Stage, Hon'ble Commission has approved O&M charges based on norms per MW as per CERC Regulations 2019, which are not sufficient to meet the actual expenses, as due to phasing out of KTPS-O&M units by 31.03.2020, certain common auxiliaries facilities like coal plant, stores etc., are still maintained for KTPS-VII stage operations, which needs be allowed at actuals by the Hon'ble Commission.

**d. Administrative & General (A&G) Expenses:**

- i. In Mid-Term Review Filings, expenses are claimed as per actual expenses (Audited Annual Accounts). There is an overall increase of Rs.109.43 Crs in A&G expenses claimed in Mid-Term Review, when compared to approved figures. The basic reasons for increase in A&G expenses are as explained below:

**ii. Colony Consumption Charges, on account of change in policy by Hon'ble TSERC:**

- a. From FY 19-20, there is change in the policy by Hon'ble Commission in Regulation 1 of 2019, in respect of auxiliary consumption of electricity at colonies. As per Clause 2.7 of TSERC Reg. 2019, colony consumption is no longer a part of Auxiliary consumption. Hence the same was charged by TSDISCOMs @ tariff rate specified for colonies in TSDISCOMs Retail supply tariff order.
- b. As colony consumption charges were not included in the computation of A&G expense of base year 2019, colony consumption charges remained unclaimed in the amounts approved by TSERC in MYT order. The same is claimed through mid-term review.
- c. Total Colony consumption included in A&G expenses (actuals) are amounting to Rs.40 Crs. approximately (FY 19-20: 12.69 Crs, FY 20-21: Rs.13.99 Crs, FY 21-22: 13.30 Crs.)

**iii. SPF & Police Guard Charges on account of revision in Pay Scale 2020 to Telangana State Government employees :**

- a. TSGENCO has to reimburse the SPF & Police Guards towards the security provided at various Power Generating stations of TSGENCO.

- b. Recently, the State Government of Telangana has declared Pay Revision to the Police department, due to this TSGENCO had to reimburse the arrears of salaries and revised salaries paid to the Police Department. This resulted in an increase of Administration & General Charges by approximately Rs.16Crores per annum.

**iv. New Stations A&G charges CERC Norms V/s Actual A&G charges claimed in respect of KTPS-O&M:**

In respect of KTPS-VII Stage, Hon'ble Commission has approved O&M charges based on norms per MW as per CERC Regulations 2019, which are not sufficient to meet the actual expenses, as due to phasing out of KTPS-O&M units by 31.03.2020, there are certain unavoidable shut down costs of KTPS-O&M which are essential for the operation of KTPS-VII stage and need to be allowed by the Hon'ble Commission.

**II (04):Hon'ble TSERC Remarks:**

TSGENCO has shown an increase of Rs.106 Cr. in Depreciation Charges from FY: 2019-20 to FY: 2021-22 as against the approved value in the Generation Tariff Order for the period from 2019-24. Submit the reasons with supporting documents for increase in depreciation for each Generating station with complete details.

**Reply:** a. The following is year wise variation in GFA and depreciations:

Fin. Year	GFA			Depreciation		
	Approved	Actuals	Variation	Approved	Actuals	Variation
2019-20	24364.10	23784.54	-579.56	1076.94	1311.03	234.09
2020-21	29403.60	29007.38	-396.22	1243.57	1217.73	-25.84
2021-22	32198.40	31656.13	-542.27	1488.25	1386.19	-102.06
<b>Total</b>	<b>85965.84</b>	<b>84448.05</b>	<b>-1517.79</b>	<b>3808.76</b>	<b>3914.95</b>	<b>106.19</b>

The following are the reasons for variations:

**b.KTPS-O&M Balance depreciation claim of Rs.243.82 Crs.:**

- For the purpose of determination of tariff, depreciation shall be allowed up to maximum of 90% of the capital cost of the asset, as per clause 12.2 of APERC Regulations 2008 and 10.4 of TSERC Regulations 2019. In line with these regulations, in respect of KTPS-O&M, APGENCO/ TSGENCO have claimed depreciation during its useful lifetime. Whereas APERC/ TSERC have provisionally approved depreciation in tariff on a yearly basis as per the depreciation rates notified by the Hon'bleCommission/ Ministry of Power as the case may be. However 90% of the capital cost could not be recovered, as the rate was applied from the date of actual capitalization which resulted in non-availing of total depreciation on recently capitalized assets i.e., assets capitalizations approved by the Hon'ble Commission in 2014-19 and 2019-24 control periods.
- In the FY 19-20, all the units of KTPS-O&M were completely phased out, but the 90% of the approved capital cost could not be realized in the approved tariff. Hence, TSGENCO

has proposed to claim the balance depreciation in the true-up petition for 3rd control period 2014-19. However, in the final true-up order dt.22.03.22, the claim was not approved by the TSERC resulting in short recovery of depreciation against the approved GFA in respect of KTPS-O&M.

- iii. Further in respect of additions, Hon'ble TSERC has considered the additions in Gross Fixed Assets but not approved the depreciation on the additions in the Generation Tariff Order Dt.22.03.2022. As per accounting policies TSGENCO has to provide depreciation on all the Gross Fixed Assets including additions during the period. The same has been brought into the books of accounts and claimed in the Mid Term Review for the control period FY 2019–22.
- iv. Hence, TSGENCO claimed the under recovered portion of depreciation amounting to Rs.192.54 Crsin FY 19-20, along with regular claim of Rs.51.28 Crs.
- c. In respect of KTPS-V and RTS-B, TSGENCO has claimed the balance depreciation in the 4<sup>th</sup>CP.
- d. In respect of all other stations, TSGENCO has adopted CERC rates of depreciation, as per Clause 10.6 of TSERC Regulations 2019 from FY 19-20.Hence, in Mid-Term Review, TSGENCO has considered actual depreciation as per books of accounts, including additions & deletions made during the respective years, as Hon'ble TSERC has ensured to consider additional capitalization during Mid-Term Review, for existing generating units as mentioned in clause no. 6.4.2 and 6.5.3 of GTO Dt.22.03.22.

## **II (05):Hon'ble TSERC Remarks:**

TSGENCO has shown an increase of Rs.99.90 Cr. towards Return on Equity from FY 2019-20 to FY 2021-22 as against the approved value in the Generation Tariff Order for the period from FY 2019-24. Submit reasons with supporting documents for increase in Return on equity for each generating station with complete details.

### **Reply:**

- a. The following table shows the variations between Approved figures v/s Actuals filed during Mid-Term Review:

Fin. Year	Equity Base (Rs. In Crs.)			ROE (Rs. In Crs.)		
	Approved	Actuals	Variation	Approved	Actuals	Variation
2019-20	7,347.34	7,128.73	(218.61)	1,401.31	1,360.26	(41.05)
2020-21	8,198.25	8,090.52	(107.73)	1,481.29	1,548.86	67.57
2021-22	8,486.94	8,302.89	(184.05)	1,615.36	1,688.73	73.37
<b>Total</b>	<b>24,032.53</b>	<b>23,522.14</b>	<b>(510.39)</b>	<b>4,497.96</b>	<b>4,597.86</b>	<b>99.90</b>

The reasons for variations are as follows:

### **b. Equity Base:**

- i. As per clause 9 of TSERC Regulations 2019, ROE has to be computed on the 30% of the actual capital cost. Provided that, wherever debt has been completely recovered (70%), Equity has been limited to the Net Fixed Assets (GFA - Accumulated Depreciation).
- ii. In FY 19-20, in respect of KTPS-V Equity basewas limited to net fixed asset (NFA) balance, which resulted in decrease in Equity base. Hence, there is decrease in ROE component,

even though the rate of ROE is same in Mid-Term Review filings & TSERC MYT Order Dt.22.03.22.

**c. Rate change in Income tax:**

In FY 20-21 & 21-22, even though there is decrease in equity base, ROE has increased as there is change in effective income tax rate of TSGENCO i.e., shift from MAT rate(17.472%) to Income tax rate as per New Regime (25.168%).

**d. Deferred tax:**

i. Presently, TSGENCO claims Income tax from beneficiaries (TSDISCOMs/ Ktk ESCOMs) on actual payment basis, i.e., tax claim is limited to current tax liability of TSGENCO. However, deferred tax remains unclaimed.

ii. Following are the details of Income tax:

Fin. Year	TSGENCO Actuals			TSERC Approved	TSGENCO claim in MTR
	Current Tax	Deferred Tax	Total Tax liability	Tax portion in approved ROE	Tax portion in MTR ROE
2019-20	17.74	130.75	148.49	208.42	202.32
2020-21	33.41	54.41	87.82	220.32	311.44
2021-22	0.00	438.15	438.15	240.26	339.56
<b>Total</b>	<b>51.15</b>	<b>623.31</b>	<b>674.46</b>	<b>669.01</b>	<b>853.31</b>

iii. It is requested to Hon'ble TSERC, to approve TSGENCO actual tax liability of Rs.674.46 Crs, in line with the procedure followed by the CERC in case of NTPC.

iv. However, TSGENCO will limit its claim to actual tax paid and create a regulatory deferral asset for deferred tax approved by the commission, which shall be claimed from the beneficiaries in the year when the actual tax liability arises.

**II (06):Hon'ble TSERC Remarks:**

TSGENCO has shown reduction of Rs.610.68 Cr. towards Interest on loan and Financial Charges from FY: 2019-20 to FY: 2021-22 as against the approved value in the Generation Tariff Order for the period from 2019-24. Submit the reasons with supporting documents for reduction of Interest on loan and Finance Charges for each Generating station with complete details.

**Reply:**The following is the year wise variation in Interest on Loan Component:

Fin. Year	Interest on Loan		
	Approved	Actuals	Variation
2019-20	907.64	876.79	(30.85)
2020-21	1,208.08	957.55	(250.53)
2021-22	1,526.60	1,197.31	(329.29)
<b>Total</b>	<b>3,642.32</b>	<b>3,031.65</b>	<b>(610.67)</b>

a. In respect of BTPS, there is a decrease in interest claim by Rs.523 Crs., reasons as detailed below:



- i. Claims were limited to actual capital cost of the project.
  - ii. Rate of Interest (ROI) approved by Hon'ble TSERC was 11.72% pa for FY 19-24, whereas actual ROIs are FY 20-21 -11.26% pa, FY 21-22 – 10.92% pa.
  - iii. In Generation tariff Order, Hon'ble TSERC has approved debt equity in 85:15 ratio as mentioned in Clause 6.9.6 of MYT order dt.22.03.22, whereas, TSGENCO has computed loan base based on actual loan portfolio in calculation of interest on loan.
- b. In respect of all other stations, in the Mid-Term Review Filings, TSGENCO has considered the Notional Loan in line with the methodology followed in Generation Tariff Order Dt.22.03.2022 (Para No. of 6.6.4). Variation is mostly on account of decrease in interest rates between approved V/s actual interest rates claimed in Mid-Term Review.

**II (07).Hon'ble TSERC Remarks:**

TSGENCO to submit the Station wise detailed calculation of depreciation based on the asset class along with the basis for depreciation rates considered for FY 2019-20 to FY 2023-24.

**Reply:**The asset class wise depreciation rates considered for computation are as detailed below:

Asset Class	Depreciation Rate
BUILDINGS	3.34%
LINES AND CABLE NETWORK	5.28%
PLANT AND MACHINERY	5.28%
OTH.FIXED ASSETS & CAPITAL SPARES	5.28%
HYDRAULIC WORKS	5.28%
OTHER CIVIL WORKS	3.34%
VEHICLES	9.50%
FURNITURE AND FIXTURES	6.33%
COMPUTERS	15.00%
OFFICE EQUIPMENT	6.33%
SOFTWARE/Intangible Asset	15.00%

**II (08).Hon'ble TSERC Remarks:**

TSGENCO to furnish the working capital calculation sheet for each Generating Station.

**Reply:** The working capital calculation sheets of all Generating stations for the FY 2019-20 to FY 2023-24 are submitted as Annexure-A6.

## **Annexure- A6**

### **Point No. II (08): Working Capital Calculation**

- i. Station-wise working capital is computed in accordance with clause 13.1 of TSERC Regulations 1 of 2019.
- ii. Maintenance spares are computed for thermal stations @ 20% of the O&M expenditure and for Hydel stations @ 15% of the O&M expenditure.
- iii. Rate of Interest on working capital is considered as per clause No. 13.3 of TSERC Regulations 1 of 2019 at the Bank Rate (SBI MCLR) of respective year for FY 2019-20 to FY 2021-22 and for FY 2022-23 to FY 2023-24 SBI MCLR as on 1<sup>st</sup> April 2022 plus 150 basis points.
- iv. The weighted average variable cost of respective year is considered for FY 2019-20 to FY 2021-22 and for FY 2022-23 to FY 2023-24 the weighted average variable cost of FY 2021-22 are considered.

#### **Station- Wise Weighted average variable cost (Rs. / kWh)**

Sl.No.	Station	Variable Cost (FY 2019-20)	Variable Cost (FY 2020-21)	Variable Cost (FY 2021-22)
1.	KTPS O&M	3.197		
2.	KTPS-V	2.626	2.657	2.848
3.	KTPS-VI	2.509	2.673	2.941
4.	KTPS-VII	2.464	2.256	2.588
5.	RTS-B	2.807	3.068	3.688
6.	KTPP-I	2.821	2.594	2.910
7.	KTPP-II	2.701	2.554	2.867
8.	BTPS		2.776	2.809

- v. The year -wise and station wise working capital is enclosed as Annexure-A6 (i) to A6 (v).

Annexure-A6 (i)													
Working Capital (FY2019-20)													
													Rs. In Crs
Sl.No	Station	(MW)	Cost of Fuel (30 days)	O&M (1 Month)	Maintenance Spares	Receivables (2 Months)	Working Capital	Total ( RoE, Int loan &int WC )	Depreciation	O&M Expenses	Fixed Charges	Variable Cost	Variable Charges
1	KTPS O&M	420	68.80	38.51	92.42	270.10	<b>469.84</b>	89.06	243.82	462.12	795.00	3.197	825.62
2	KTPS-V	500	76.89	15.18	36.42	213.47	<b>341.95</b>	123.49	52.52	182.11	358.12	2.626	922.67
3	KTPS-VI	500	73.46	15.18	36.42	236.56	<b>361.62</b>	224.92	130.78	182.11	537.81	2.509	881.56
4	KTPS-VII	800	122.65	11.47	27.53	416.89	<b>578.54</b>	646.46	245.43	137.66	1029.55	2.464	1471.78
5	RTS -B	62.5	9.63	7.12	17.08	38.51	<b>72.34</b>	17.85	12.27	85.39	115.51	2.807	115.58
6	KTPP-I	500	82.60	12.43	29.84	246.53	<b>371.40</b>	203.89	134.88	149.20	487.97	2.821	991.19
7	KTPP-II	600	94.90	14.92	35.81	322.30	<b>467.93</b>	425.72	190.18	179.04	794.94	2.701	1138.83
8	BTPS		0.00	0.00	0.00	0.00	<b>0.00</b>	0.00	0.00	0.00	0.00	0.000	0.00
9	Nagarjuna Sagar Complex (Main & Left canal power House)	875.6	0.00	7.11	12.79	58.65	<b>78.55</b>	176.23	90.37	85.29	351.89		
10	Srisailem LBHES	900	0.00	5.55	9.99	73.57	<b>89.11</b>	295.63	79.22	66.59	441.44		
11	Small Hydel (Pochampad -I, Singur, Nizam Sagar & Palair HES)	54	0.00	3.16	5.68	8.47	<b>17.30</b>	9.78	3.14	37.87	50.79		
12	Mini Hydel (Peddapally)	9.16	0.00	0.54	0.96	1.69	<b>3.19</b>	2.65	1.09	6.42	10.16		
13	Pochampad -II	9	0.00	0.53	0.95	1.73	<b>3.21</b>	3.38	0.72	6.31	10.41		
14	Priyadarshini Jurala HES	234	0.00	2.00	3.60	21.13	<b>26.72</b>	69.87	32.93	23.98	126.77		
15	Lower Jurala HES	240	0.00	2.04	3.68	49.22	<b>54.93</b>	189.52	81.28	24.50	295.30		
16	Pulichinthala HES	120	0.00	2.19	3.94	15.77	<b>21.89</b>	55.96	12.41	26.24	94.61		
	Total	<b>5824.26</b>	<b>528.94</b>	<b>137.90</b>	<b>317.11</b>	<b>1974.58</b>	<b>2958.53</b>	2534.38	1311.03	1654.86	5500.27	19.125	6347.23

Annexure-A 6 (ii)													
Working Capital (FY2020-21)													
													(Rs in Crs)
Sl.No	Station	Capacity MW	Cost of Fuel (30 days)	O&M (1 Month)	Maintenance Spares	Receivables (2 Months)	Working Capital	Total ( RoE, Int loan & int WC )	Depreciation	O&M Expenses	Fixed Charges	Variable Cost	Variable Charges
1	KTPS O&M							0.000					
2	KTPS-V	500	77.584	17.969	43.126	221.452	360.131	121.419	60.650	215.629	397.698	2.657	931.013
3	KTPS-VI	500	78.052	17.969	43.126	250.943	390.090	222.217	131.195	215.629	569.042	2.673	936.619
4	KTPS-VII	800	111.988	38.230	91.753	456.166	698.136	679.647	254.730	458.763	1393.140	2.256	1343.854
5	RTS -B	62.5	10.498	7.872	18.893	41.723	78.986	17.628	12.270	94.463	124.361	3.068	125.980
6	KTPP-I	500	75.745	12.281	29.475	231.941	349.442	200.480	134.850	147.376	482.706	2.594	908.938
7	KTPP-II	600	89.492	14.738	35.371	311.504	451.106	427.835	190.430	176.856	795.121	2.554	1073.906
8	BTPS	810	139.523	20.254	48.609	494.932	703.318	724.686	327.583	243.046	1295.314	2.776	1674.278
9	Nagarjuna Sagar Complex (Main & Left canal power House)	875.6	0.000	8.498	15.296	62.855	86.650	176.197	98.960	101.976	377.133		
10	Srisailem LBHES	900	0.000	7.883	14.189	80.474	102.547	309.012	79.240	94.595	482.847		
11	Small Hydel (Pochampad -I, Singur, Nizam Sagar & Palair HES)	54	0.000	3.419	6.154	9.081	18.654	10.249	3.210	41.026	54.485		
12	Mini Hydel (Peddapally)	9.16	0.000	0.580	1.044	1.795	3.419	2.710	1.100	6.959	10.769		
13	Pochampad -II	9	0.000	0.570	1.026	1.843	3.439	3.503	0.720	6.838	11.060		
14	Priyadarshini Jurala HES	234	0.000	2.204	3.968	21.762	27.934	71.416	32.702	26.454	130.572		
15	Lower Jurala HES	240	0.000	2.255	4.059	50.382	56.696	193.955	81.278	27.060	302.293		
16	Pulichinthala HES	120	0.000	2.588	4.658	16.843	24.089	58.657	11.342	31.056	101.055		
	Total	6214.26	582.882	157.311	360.747	2253.697	3354.637	3219.609	1420.260	1887.726	6527.596	18.578	6994.587

Annexure-A6 (iii)													
Working Capital (FY2021-22)													
(Rs in Crs)													
Sl.No	Station	Capacity (MW)	Cost of Fuel (30 days)	O&M (1 Month)	Maintenance Spares	Recievables (2 Months)	Working Capital	Total ( RoE, Int loan &int WC )	Depreciation	O&M Expenses	Fixed Charges	Variable Cost	Variable Charges
1	KTPS O&M												
2	KTPS-V	500	83.162	19.126	38.252	238.410	378.951	115.240	84.920	229.515	429.674	2.848	997.939
3	KTPS-VI	500	85.877	19.126	38.252	267.335	410.591	209.446	131.583	229.515	570.544	2.941	1030.526
4	KTPS-VII	800	128.468	36.332	72.664	485.262	722.727	672.273	259.110	435.983	1367.367	2.588	1541.620
5	RTS -B	62.5	12.620	7.916	15.832	46.438	82.806	16.142	12.370	94.991	123.503	3.688	151.439
6	KTPP-I	500	84.972	13.944	27.887	250.883	377.686	182.658	132.744	167.322	482.724	2.910	1019.664
7	KTPP-II	600	100.460	16.732	33.464	337.927	488.584	421.752	196.643	200.786	819.182	2.867	1205.516
8	BTPS	1080	188.242	15.769	31.538	624.020	859.568	950.855	342.319	189.226	1482.401	2.809	2258.908
9	Nagarjuna Sagar Complex (Main & Left canal power House)	875.6	0.000	8.302	16.605	60.697	85.604	169.989	94.564	99.628	364.181		
10	Srisaillam LBHES	900	0.000	7.361	14.722	78.099	100.182	300.066	80.200	88.330	468.596		
11	Smam Hydel (Pochampad -I, Singur, Nizam Sagar& Palair HES)	54	0.000	3.367	6.733	8.921	19.021	9.857	3.270	40.399	53.526		
12	Mini Hydel (Peddapally)	9.16	0.000	0.571	1.142	1.756	3.469	2.571	1.110	6.853	10.534		
13	Pochampad -II	9	0.000	0.561	1.122	1.815	3.498	3.427	0.730	6.733	10.890		
14	Priyadarshini Jurala HES	234	0.000	2.678	5.357	20.327	28.362	69.374	20.450	32.140	121.964		
15	Lower Jurala HES	240	0.000	2.729	5.458	49.927	58.114	185.389	81.422	32.750	299.561		
16	Pulichinthala HES	120	0.000	2.553	5.105	16.570	24.228	57.440	11.346	30.633	99.419		
	Total	6484.26	683.801	157.067	314.134	2488.388	3643.390	3366.479	1452.781	1884.804	6704.065	20.651	8205.612

Annexure-A6 (iv)													
Working Capital (FY2022-23)													
(Rs in Crs)													
Sl.No	Station	Capacity MW	Cost of Fuel (30 days)	O&M (1 Month)	Maintenance Spares	Receivables (2 Months)	Working Capital	Total ( RoE, Int loan &int WC )	Depreciation	O&M Expenses	Fixed Charges	Variable Cost	Variable Charges
1	KTPS O&M												
2	KTPS-V	500	83.162	20.273	48.656	240.813	392.904	115.592	88.062	243.282	446.936	2.848	997.939
3	KTPS-VI	500	85.877	20.273	48.656	267.686	422.493	199.957	132.350	243.282	575.589	2.941	1030.526
4	KTPS-VII	800	128.468	38.514	92.433	488.033	747.448	663.444	260.970	462.164	1386.578	2.588	1541.620
5	RTS -B	62.5	12.620	8.390	20.137	46.626	87.773	15.261	12.370	100.685	128.317	3.688	151.439
6	KTPP-I	500	84.972	14.780	35.471	253.208	388.431	183.681	138.550	177.355	499.587	2.910	1019.664
7	KTPP-II	600	100.460	17.736	42.565	344.555	505.315	443.224	205.762	212.826	861.813	2.867	1205.516
8	BTPS	1080	188.242	13.464	32.314	600.026	834.046	829.107	350.567	161.571	1341.245	2.809	2258.908
9	Nagarjuna Sagar Complex (Main & Left canal power House)	875.6	0.000	8.801	15.842	60.320	84.962	161.585	94.722	105.610	361.918		
10	Srisailem LBHES	900	0.000	7.803	14.045	78.036	99.885	294.383	80.200	93.636	468.219		
11	Small Hydel (Pochampad -I, Singur, Nizam Sagar & Palair HES)	54	0.000	3.569	6.424	9.427	19.421	9.396	4.340	42.829	56.565		
12	Mini Hydel (Peddapally)	9.16	0.000	0.605	1.090	1.804	3.499	2.447	1.111	7.265	10.823		
13	Pochampad -II	9	0.000	0.595	1.071	1.873	3.538	3.367	0.730	7.138	11.235		
14	Priyadarshini Jurala HES	234	0.000	2.840	5.112	20.450	28.401	68.078	20.544	34.077	122.699		
15	Lower Jurala HES	240	0.000	2.894	5.209	49.170	57.272	178.797	81.498	34.724	295.019		
16	Pulichinthala HES	120	0.000	2.707	4.873	16.705	24.285	56.394	11.354	32.484	100.231		
	<b>Total</b>	<b>6484.26</b>	<b>683.801</b>	<b>163.244</b>	<b>373.898</b>	<b>2478.731</b>	<b>3699.673</b>	<b>3224.713</b>	<b>1483.130</b>	<b>1958.929</b>	<b>6666.772</b>	<b>20.651</b>	<b>8205.612</b>

Annexure-A6 (v)													
Working Capital (FY2023-24)													
(Rs in Crs)													
Sl.No	Station	Capacity (MW)	Cost of Fuel (30 days)	O&M (1 Month)	Maintenance Spares	Receivables (2 Months)	Working Capital	Total ( RoE, Int loan &int WC )	Depreciation	O&M Expenses	Fixed Charges	Variable Charges	Variable Charges
1	KTPS O&M							0.000					
2	KTPS-V	500	83.389	21.490	51.576	242.762	399.218	99.335	98.682	257.881	455.898	2.848	1000.673
3	KTPS-VI	500	86.112	21.490	51.576	267.214	426.392	179.701	132.350	257.881	569.932	2.941	1033.350
4	KTPS-VII	800	128.820	40.824	97.977	500.340	767.960	705.322	260.990	489.883	1456.195	2.588	1545.843
5	RTS -B	62.5	12.654	8.893	21.344	47.308	90.200	12.905	12.370	106.721	131.996	3.688	151.853
6	KTPP-I	500	85.205	15.667	37.602	240.471	378.945	154.177	78.185	188.008	420.370	2.910	1022.458
7	KTPP-II	600	100.735	18.800	45.119	351.370	516.023	468.755	205.050	225.595	899.400	2.867	1208.819
8	BTPS	1080	188.758	14.272	34.252	664.676	901.958	1201.126	350.574	171.260	1722.960	2.809	2265.097
9	Nagarjuna Sagar Complex (Main & Left canal power House)	875.6	0.000	9.329	16.792	59.702	85.824	151.542	94.723	111.949	358.214		
10	Srisaillam LBHES	900	0.000	8.270	14.887	77.627	100.784	286.319	80.200	99.244	465.763		
11	Small Hydel (Pochampad - I, Singur, Nizam Sagar & Palair HES)	54	0.000	3.783	6.809	10.230	20.822	10.400	5.590	45.393	61.382		
12	Mini Hydel (Peddapally)	9.16	0.000	0.642	1.155	1.855	3.652	2.321	1.110	7.700	11.131		
13	Pochampad -II	9	0.000	0.630	1.135	1.934	3.699	3.307	0.730	7.565	11.603		
14	Priyadarshini Jurala HES	234	0.000	3.010	5.418	19.328	27.756	65.829	14.016	36.120	115.965		
15	Lower Jurala HES	240	0.000	3.067	5.521	48.467	57.055	172.500	81.495	36.806	290.801		
16	Pulichinthala HES	120	0.000	2.868	5.163	16.975	25.006	56.078	11.348	34.421	101.847		
	<b>Total</b>	<b>6484.26</b>	<b>685.674</b>	<b>173.036</b>	<b>396.325</b>	<b>2550.258</b>	<b>3805.294</b>	<b>3569.617</b>	<b>1427.413</b>	<b>2076.426</b>	<b>7073.457</b>	<b>20.651</b>	<b>8228.093</b>

### Annexure-A9 (i)-Revised

#### Operation & Maintenance Expenses (Approved vs Actual)

Rs. in Crs

		FY 2019-20			FY 2020-21			FY 2021-22			FYs 2019-22		
Sl.No	Station	Approved	Actual	Variation	Approved	Actual	Variation	Approved	Actual	Variation	Approved	Actual	Variation
1	KTPS O&M	472.73	462.12	-10.61	0.00			0.00			472.73	462.12	-10.61
2	KTPS-V	165.79	182.11	16.32	173.04	215.63	42.59	180.61	229.51	48.90	519.44	627.26	107.82
3	KTPS-VI	166.71	182.11	15.40	174.00	215.63	41.63	181.61	229.51	47.90	522.32	627.26	104.94
4	KTPS-VII	145.84	137.66	-8.18	150.96	458.76	307.80	156.32	435.98	279.66	453.12	1032.41	579.29
5	RTS -B	78.71	85.39	6.68	82.17	94.46	12.29	85.77	94.99	9.22	246.65	274.84	28.19
6	KTPP-I	142.86	149.20	6.34	149.14	147.38	-1.76	155.69	167.32	11.63	447.69	463.90	16.21
7	KTPP-II	161.60	179.04	17.44	168.71	176.86	8.15	176.13	200.79	24.66	506.44	556.68	50.24
8	BTPS	0.00	0.00	0.00	104.74	92.78	-11.96	381.35	152.42	-228.93	486.09	245.20	-240.89
9	Nagarjuna Sagar Complex ( Main & Left canal power House)	103.02	85.29	-17.73	107.54	101.98	-5.56	112.25	99.63	-12.62	322.81	286.89	-35.92
10	Srisaillam LBHES	86.06	66.59	-19.47	89.84	94.59	4.75	93.78	88.33	-5.45	269.68	249.52	-20.16
11	Small Hydel (Pochampad - I, Singur, Nizam Sagar & Palair HES)	32.48	37.87	5.39	33.91	41.03	7.12	35.41	40.40	4.99	101.80	119.30	17.50
12	Mini Hydels( Peddapally)	5.51	6.42	0.91	5.75	6.96	1.21	6.01	6.85	0.84	17.27	20.24	2.97
13	Pochampad -II	5.41	6.31	0.90	5.65	6.84	1.19	5.90	6.73	0.83	16.96	19.88	2.92
14	Priyadarshini Jurala HES	33.82	23.98	-9.84	35.32	26.45	-8.87	36.88	32.14	-4.74	106.02	82.58	-23.44
15	Lower Jurala HES	28.13	24.50	-3.63	29.37	27.06	-2.31	30.66	32.75	2.09	88.16	84.31	-3.85
16	Pulichinthala HES	46.37	26.24	-20.13	48.44	31.06	-17.38	50.59	30.63	-19.96	145.40	87.93	-57.47
	<b>Total</b>	<b>1675.04</b>	<b>1654.86</b>	<b>-20.18</b>	<b>1358.58</b>	<b>1737.46</b>	<b>378.88</b>	<b>1688.96</b>	<b>1848.00</b>	<b>159.04</b>	<b>4722.58</b>	<b>5240.31</b>	<b>517.73</b>



**Annexure-A 9 (ix)**  
**Employee Cost (Approved vs Actual)**

Rs. in Crs

Sl.No	Station	FY 2019-20			FY 2020-21			FY 2021-22			FYs 2019-22		
		Approved	Actual	Variation	Approved	Actual	Variation	Approved	Actual	Variation	Approved	Actual	Variation
1	KTPS O&M	414.71	422.121	7.41	0	0		0	0		414.71	422.121	7.41
2	KTPS-V	120.33	144.0111	23.68	125.6904	181.1593	55.46889	131.2839	169.9547	38.6708	377.31	495.1251	117.82
3	KTPS-VI	120.33	144.0111	23.68	125.6904	181.1593	55.46889	131.2839	169.9547	38.6708	377.31	495.1251	117.82
4	KTPS-VII	130.21	115.1244	-15.09	134.78	409.0426	274.2626	139.57	352.5034	212.9334	404.56	876.6704	472.11
5	RTS -B	63.70	74.07889	10.38	66.5379	78.6729	12.135	69.498	72.41085	2.912849	199.73	225.1626	25.43
6	KTPP-I	109.78	111.8005	2.02	114.6618	123.2964	8.634621	119.7603	124.7221	4.96178	344.20	359.819	15.62
7	KTPP-II	127.19	134.1606	6.98	132.8481	147.9557	15.1076	138.7584	149.6665	10.9081	398.79	431.7828	32.99
8	BTPS		0	0.00	93.52	85.67908	-7.84092	340.48	134.7276	-205.752	434.00	220.4067	-213.59
9	Nagarjuna Sagar Complex (Main & Left canal power House)	83.30	71.38653	-11.91	87.0012	82.22641	-4.77479	90.8721	79.53812	-11.334	261.17	233.1511	-28.02
10	Srisailem LBHES	70.17	53.19349	-16.98	73.2897	73.86455	0.574853	76.5468	67.26018	-9.28662	220.01	194.3182	-25.69
11	Small Hydel (Pochampad -I, Singur, Nizam Sagar & Palair HES)	29.78	35.16585	5.39	31.11	38.42935	7.32	32.49	37.37569	4.88	93.38	110.97	17.59
12	Mini Hydels (Peddapally)	5.05	5.965171	0.92	5.28	6.518757	1.24	5.51	6.340025	0.83	15.84	18.82	2.98
13	Pochampad -II	4.96	5.860976	0.90	5.19	6.404892	1.22	5.42	6.229282	0.81	15.56	18.50	2.93
14	Priyadarshini Jurala HES	30.88	20.34155	-10.54	32.2542	23.65391	-8.60029	33.6897	23.78988	-9.89982	96.82	67.78534	-29.04
15	Lower Jurala HES	24.64	20.86313	-3.78	25.74	24.26042	-1.47958	26.8785	24.39988	-2.47862	77.26	69.52343	-7.74
16	Pulichinthala HES	44.12	24.3419	-19.78	46.0845	27.17624	-18.9083	48.1437	26.84293	-21.3008	138.35	78.36108	-59.99
		<b>1379.15</b>	<b>1382.43</b>	<b>3.27</b>	<b>1099.67</b>	<b>1489.50</b>	<b>389.83</b>	<b>1390.19</b>	<b>1445.72</b>	<b>55.53</b>	<b>3869.01</b>	<b>4317.64</b>	<b>448.63</b>

**Annexure-A 9 (x)**  
**Employee Cost (Approved vs Projected)**

Rs. in Crs

Sl.No	Station	FY 2022-23			FY 2023-24			FYs 2022-24			FYs 2019-24		
		Approved	Projected	Variation	Approved	Projected	Variation	Approved	Projected	Variation	Approved	Actual/project	Variation
1	KTPS O&M	0	-		0	-		0.00	0	0.00	414.71	422.12	7.41
2	KTPS-V	137.1249	180.15	43.02708	143.2233	190.96	47.7378	280.35	371.1131	90.76	657.66	866.24	208.58
3	KTPS-VI	137.1249	180.15	43.02708	143.2233	190.96	47.7378	280.35	371.1131	90.76	657.66	866.24	208.58
4	KTPS-VII	144.42	373.65	229.2336	149.49	396.07	246.5828	293.91	769.7264	475.82	698.47	1646.40	947.93
5	RTS -B	72.5868	76.76	4.168699	75.8142	81.36	5.546629	148.40	158.1163	9.72	348.13	383.28	35.15
6	KTPP-I	125.0964	132.21	7.109005	130.6602	140.14	9.477529	255.76	272.3431	16.59	599.96	632.16	32.20
7	KTPP-II	144.936	158.65	13.71049	151.3809	168.17	16.78437	296.32	326.8118	30.49	695.11	758.59	63.49
8	BTPS	352.53	142.81	-209.719	364.87	151.38	-213.49	717.40	294.1911	-423.21	1151.40	514.60	-636.80
9	Nagarjuna Sagar Complex (Main & Left canal power House)	94.9212	84.31	-10.6108	99.1485	89.37	-9.77947	194.07	173.6794	-20.39	455.24	406.83	-48.41
10	Srisailem LBHES	79.9623	71.30	-8.66651	83.5164	75.57	-7.94286	163.48	146.8693	-16.61	383.49	341.19	-42.30
11	Small Hydel (Pochampad -I, Singur, Nizam Sagar & Palair HES)	33.94	39.62	5.68	35.45	42.00	6.54	69.39	81.61	12.22	162.77	192.58	29.82
12	Mini Hydels (Peddapally)	5.76	6.72	0.96	6.01	7.12	1.11	11.77	13.84	2.07	27.61	32.67	5.06
13	Pochampad -II	5.65	6.60	0.95	5.91	7.00	1.09	11.56	13.60	2.04	27.13	32.10	4.97
14	Priyadarshini Jurala HES	35.1846	25.22	-9.96732	36.7488	26.73	-10.0185	71.93	51.94759	-19.99	168.76	119.73	-49.02
15	Lower Jurala HES	28.0764	25.86	-2.21253	29.3238	27.42	-1.9081	57.40	53.27958	-4.12	134.66	122.80	-11.86
16	Pulichinthala HES	50.2821	28.45	-21.8286	52.5195	30.16	-22.3588	102.80	58.61423	-44.19	241.15	136.98	-104.18
		<b>1447.60</b>	<b>1532.46</b>	<b>84.86</b>	<b>1507.29</b>	<b>1624.41</b>	<b>117.12</b>	<b>2954.89</b>	<b>3156.86</b>	<b>201.98</b>	<b>6823.90</b>	<b>7474.51</b>	<b>650.61</b>

**Annexure-A 9 (xi)**  
**R&M Expenditure (Approved vs Actual)**

Rs. in Crs

		FY 2019-20			FY 2020-21			FY 2021-22			FYs 2019-22		
Sl.No	Station	Approved	Actual	Variation	Approved	Actual	Variation	Approved	Actual	Variation	Approved	Actual	Variation
1	KTPS O&M	41.778	24.62	-17.158	0			0			41.778	24.62	-17.158
2	KTPS-V	34.65	26.17	-8.48	36.13	20.7	-15.4251	37.6695	40.23	2.5605	108.4446	87.1	-21.3446
3	KTPS-VI	35.5707	26.17	-9.4007	37.09	20.7	-16.3854	38.6595	40.23	1.5705	111.3156	87.1	-24.2156
4	KTPS-VII	4.36	8.87	4.51	4.51	24.57	20.06	4.67	28.33	23.66	13.54	61.77	48.23
5	RTS -B	9.5337	5.3	-4.2337	9.94	6.96	-2.9796	10.3653	9.32	-1.0453	29.8386	21.58	-8.2586
6	KTPP-I	29.1258	32.44	3.3142	30.36	18.7	-11.6633	31.6602	27.93	-3.7302	91.1493	79.07	-12.0793
7	KTPP-II	30.0267	38.93	8.9033	31.30	22.44	-8.8638	32.6403	33.51	0.8697	93.9708	94.88	0.9092
8	BTPS	0	0	0	3.13	2.09	-1.04	11.4	6.92	-4.48	14.53	9.01	-5.52
9	Nagarjuna Sagar Complex ( Main & Left canal power House)	12.7116	6.94	-5.7716	13.26	11.82	-1.4361	13.8204	8.82	-5.0004	39.7881	27.58	-12.2081
10	Srisailem LBHES	9.2466	6.44	-2.8066	9.64	10.77	1.1274	10.0485	10.07	0.0215	28.9377	27.28	-1.6577
11.00	Small Hydel (Pochampad -I, Singur, Nizam Sagar& Palair HES)	1.88	1.56	-0.32	1.96	1.50	-0.46	2.05	1.84	-0.21	5.89	4.90	-0.99
12.00	Mini Hydels( Peddapally)	0.32	0.26	-0.05	0.34	0.26	-0.08	0.35	0.31	-0.03	1.00	0.83	-0.17
13.00	Pochampad -II	0.32	0.26	-0.06	0.33	0.25	-0.08	0.35	0.31	-0.04	0.99	0.82	-0.17
14	Priyadarshini Jurala HES	1.6731	2.5	0.8269	1.74	1.6	-0.1424	1.8117	6.77	4.9583	5.2272	10.87	5.6428
15	Lower Jurala HES	1.9404	2.5	0.5596	2.03	1.6	-0.4295	2.1186	6.77	4.6514	6.0885	10.87	4.7815
16	Pulichinthala HES	1.2177	1.24	0.0223	1.28	3.18	1.9029	1.3365	3.08	1.7435	3.8313	7.5	3.6687
		<b>214.35</b>	<b>184.20</b>	<b>-30.15</b>	<b>183.03</b>	<b>147.14</b>	<b>-35.89</b>	<b>198.94</b>	<b>224.44</b>	<b>25.50</b>	<b>596.32</b>	<b>555.78</b>	<b>-40.54</b>

**Annexure-A 9 (xii)**  
**R&M Expenditure (Approved vs Actual)**

Rs. in Crs

		FY 2022-23			FY 2023-24			FYs 2019-22			FYs 2019-24		
Sl.No	Station	Approved	Actual	Variation	Approved	Actual	Variation	Approved	Actual	Variation	Approved	Actual/project	Variation
1.00	KTPS O&M				0.00						41.78	24.62	-17.16
2.00	KTPS-V	39.27	42.64	3.37	40.95	45.20	4.25	80.22	87.84	7.62	188.66	174.94	-13.72
3.00	KTPS-VI	40.31	42.64	2.33	42.04	45.20	3.16	82.35	87.84	5.49	193.66	174.94	-18.72
4.00	KTPS-VII	4.84	30.04	25.20	5.01	31.84	26.83	9.85	61.88	52.03	23.39	123.65	100.26
5.00	RTS -B	10.81	9.88	-0.93	11.27	10.47	-0.80	22.08	20.35	-1.73	51.92	41.93	-9.99
6.00	KTPP-I	33.01	29.60	-3.41	34.41	31.38	-3.03	67.42	60.98	-6.44	158.57	140.05	-18.52
7.00	KTPP-II	34.04	35.52	1.48	35.48	37.65	2.17	69.52	73.17	3.65	163.49	168.05	4.56
8.00	BTPS	11.81	7.34	-4.47	12.22	7.78	-4.44	24.03	15.12	-8.91	38.56	24.13	-14.43
9.00	Nagarjuna Sagar Complex ( Main & Left canal power House)	14.41	9.35	-5.06	15.03	9.91	-5.12	29.44	19.26	-10.18	69.23	46.84	-22.39
10.00	Srisailem LBHES	10.47	10.68	0.21	10.92	11.32	0.40	21.39	22.00	0.61	50.33	49.28	-1.05
11.00	Small Hydel (Pochampad -I, Singur, Nizam Sagar & Palair HES)	2.14	1.95	-0.19	2.23	2.07	-0.16	4.37	4.02	-0.35	10.26	8.92	-1.34
12.00	Mini Hydels( Peddapally)	0.36	0.33	-0.03	0.38	0.35	-0.03	0.73	0.68	-0.05	1.73	1.51	-0.22
13.00	Pochampad -II	0.36	0.33	-0.03	0.38	0.34	-0.04	0.73	0.67	-0.06	1.72	1.49	-0.23
14.00	Priyadarshini Jurala HES	1.89	7.18	5.29	1.97	7.61	5.64	3.86	14.79	10.93	9.09	25.66	16.57
15.00	Lower Jurala HES	2.21	7.18	4.97	2.30	7.61	5.31	4.50	14.79	10.29	10.59	25.66	15.07
16.00	Pulichinthala HES	1.39	3.27	1.88	1.45	3.46	2.01	2.83	6.73	3.90	6.66	14.23	7.57
		<b>207.31</b>	<b>237.93</b>	<b>30.62</b>	<b>216.01</b>	<b>252.19</b>	<b>36.18</b>	<b>423.33</b>	<b>490.12</b>	<b>66.79</b>	<b>1019.65</b>	<b>1045.90</b>	<b>26.25</b>

**Annexure-A9 (xiii)**  
**Administrative & General Expenses (Approved vs Actual)**

Rs. in Crs

		FY 2019-20			FY 2020-21			FY 2021-22			FYs 2019-22		
Sl.No	Station	Approved	Actual	Variation	Approved	Actual	Variation	Approved	Actual	Variation	Approved	Actual	Variation
1	KTPS O&M	16.25	15.38	-0.87	0.00			0.00			16.25	15.38	-0.87
2	KTPS-V	10.81	11.93	1.12	11.23	13.77	2.54	11.66	19.33	7.67	33.70	45.03	11.33
3	KTPS-VI	10.81	11.93	1.12	11.23	13.77	2.54	11.66	19.33	7.67	33.70	45.03	11.33
4	KTPS-VII	11.27	13.67	2.40	11.67	25.15	13.48	12.08	55.15	43.07	35.02	93.97	58.95
5	RTS -B	5.47	6.01	0.54	5.69	8.83	3.14	5.91	13.26	7.35	17.08	28.10	11.02
6	KTPP-I	3.96	4.96	1.00	4.12	5.38	1.26	4.28	14.67	10.39	12.36	25.01	12.65
7	KTPP-II	4.45	5.95	1.50	4.61	6.46	1.85	4.79	17.61	12.82	13.85	30.02	16.17
8	BTPS	0.00	0.00	0.00	8.09	5.01	-3.08	29.47	10.77	-18.70	37.56	15.78	-21.78
9	Nagarjuna Sagar Complex ( Main & Left canal power House)	7.00	6.96	-0.04	7.28	7.93	0.65	7.55	11.27	3.72	21.83	26.16	4.33
10	Srisailem LBHES	6.65	6.96	0.31	6.91	9.96	3.05	7.18	11.00	3.82	20.74	27.92	7.18
11	Small Hydel (Pochampad -I, Singur, Nizam Sagar& Palair HES)	0.81	1.15	0.34	0.84	1.09	0.25	0.87	1.18	0.31	2.52	3.43	0.90
12	Mini Hydels( Peddapally)	0.14	0.20	0.06	0.14	0.19	0.05	0.15	0.20	0.05	0.43	0.58	0.16
13	Pochampad -II	0.14	0.19	0.05	0.14	0.18	0.04	0.15	0.20	0.05	0.43	0.57	0.15
14	Priyadarshini Jurala HES	1.28	1.14	-0.14	1.33	1.20	-0.13	1.38	1.58	0.20	3.98	3.92	-0.06
15	Lower Jurala HES	1.54	1.14	-0.40	1.60	1.20	-0.40	1.66	1.58	-0.08	4.81	3.92	-0.89
16	Pulichinthala HES	1.03	0.66	-0.37	1.07	0.70	-0.37	1.12	0.71	-0.41	3.22	2.07	-1.15
	<b>Total</b>	<b>81.61</b>	<b>88.23</b>	<b>6.62</b>	<b>75.94</b>	<b>100.82</b>	<b>24.88</b>	<b>99.91</b>	<b>177.84</b>	<b>77.93</b>	<b>257.46</b>	<b>366.89</b>	<b>109.43</b>

**Annexure-A9 (xiv)**  
**Administrative & General expenses ( Approved vs Projected)**

Rs. in Crs

Sl.No	Station	FY 2022-23			FY 2023-24			FYs 2019-22			FYs 2019-24		
		Approved	Projected	Variation	Approved	Projected	Variation	Approved	Projected	Variation	Approved	Actual/projected	Variation
1	KTPS O&M	0.00			0.00						16.25	15.38	-0.87
2	KTPS-V	12.11	20.49	8.38	12.58	21.72	9.14	24.69	42.21	17.52	58.39	87.24	28.85
3	KTPS-VI	12.11	20.49	8.38	12.58	21.72	9.14	24.69	42.21	17.52	58.39	87.24	28.85
4	KTPS-VII	12.50	58.47	45.97	12.94	61.97	49.03	25.44	120.44	95.00	60.46	214.41	153.95
5	RTS-B	6.14	14.05	7.91	6.38	14.89	8.51	12.51	28.94	16.43	29.59	57.04	27.45
6	KTPP-I	4.44	15.55	11.11	4.60	16.49	11.89	9.04	32.04	23.00	21.39	57.05	35.66
7	KTPP-II	4.98	18.66	13.68	5.17	19.78	14.61	10.15	38.44	28.29	24.00	68.46	44.46
8	BTPS	30.51	11.42	-19.09	31.58	12.10	-19.48	62.09	23.52	-38.57	99.65	39.30	-60.35
9	Nagarjuna Sagar Complex ( Main & Left canal power House)	7.84	11.95	4.11	8.15	12.67	4.52	15.99	24.62	8.63	37.82	50.78	12.96
10	Srisailem LBHES	7.45	11.66	4.21	7.74	12.35	4.61	15.20	24.01	8.81	35.94	51.93	15.99
11	Small Hydel (Pochampad -I, Singur, Nizam Sagar & Palair HES)	0.91	1.26	0.35	0.94	1.33	0.39	1.85	2.59	0.74	4.38	6.02	1.64
12	Mini Hydels( Peddapally)	0.16	0.21	0.05	0.16	0.23	0.07	0.32	0.44	0.12	0.74	1.02	0.28
13	Pochampad -II	0.15	0.21	0.06	0.16	0.22	0.06	0.31	0.43	0.12	0.73	1.00	0.27
14	Priyadarshini Jurala HES	1.44	1.68	0.24	1.49	1.78	0.30	2.92	3.46	0.54	6.90	7.38	0.48
15	Lower Jurala HES	1.73	1.68	-0.05	1.79	1.78	-0.01	3.52	3.46	-0.06	8.34	7.38	-0.96
16	Pulichinthala HES	1.16	0.76	-0.40	1.21	0.80	-0.41	2.37	1.56	-0.81	5.58	3.63	-1.95
	<b>Total</b>	<b>103.62</b>	<b>188.54</b>	<b>84.92</b>	<b>107.46</b>	<b>199.83</b>	<b>92.37</b>	<b>211.08</b>	<b>388.37</b>	<b>177.29</b>	<b>468.54</b>	<b>755.26</b>	<b>286.72</b>