

**BEFORE THE HON'BLE GUJARAT ELECTRICITY REGULATORY
COMMISSION AT GANDHINAGAR**

Filing No. _____

Case No. 2322/2024

IN THE MATTER OF

Filing of Petition under Section 62 and 64 of the Electricity Act, 2003 read with all the applicable Regulations, under the GERC (Multi Year Tariff) Regulations, 2016 for (i) Truing up of FY 2022-23, (ii) Determination of ARR for FY 2024-25, and (iii) Determination of tariff for FY 2024-25 for its generation facilities at Ahmedabad.

AND

IN THE MATTER OF

Torrent Power Limited
"Samanvay", 600, Tapovan,
Ambawadi, Ahmedabad – 380 015

.....**PETITIONER**

THE PETITIONER ABOVE NAMED RESPECTFULLY SUBMITS AS UNDER

Torrent Power Limited, hereinafter referred to as the "Petitioner" or "TPL", files the petition for Truing up of FY 2022-23, Determination of ARR for FY 2024-25, and Determination of tariff for FY 2024-25 for its Generation facilities at Ahmedabad which is hereinafter referred to as TPL-G (APP) for the sake of brevity.

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List of Abbreviation

Sl. No.	Abbreviation	Expansion
1	APP	Ahmedabad Power Plant
2	ARR	Aggregate Revenue Requirement
3	ATE	Appellate Tribunal for Electricity
4	CERC	Central Electricity Regulatory Commission
5	CHP	Coal Handling Plant
6	FY	Financial Year
7	GERC	Gujarat Electricity Regulatory Commission
8	GFA	Gross Fixed Asset
9	Kg	Kilo Gram
10	Kcal	Kilo Calorie
11	KL	Kilo Litre
12	kWh	Kilo Watt Hour
13	L	Litre
14	MU	Million Units
15	MW	Mega Watt
16	MYT	Multi Year Tariff
17	O&M	Operation and Maintenance
18	PAF	Plant Availability Factor
19	PBT	Profit Before Tax
20	PLF	Plant Load Factor
21	RoE	Return on Equity
22	SLDC	State Load Despatch Center
23	SFC	Secondary Fuel Consumption
24	SHR	Station Heat Rate
25	TPL-D	TPL Distribution
26	TPL-D(A)	TPL Distribution (Ahmedabad/Gandhinagar)
27	TPL-D(S)	TPL Distribution (Surat)
28	TPL-G (APP)	TPL - G (Ahmedabad Power Plant)

Chapter 1: Introduction

Company Profile

- 1.1 Torrent Power Limited is a Company incorporated under the Companies Act, 1956. TPL supplies electricity as a distribution licensee in accordance with the provisions of the Electricity Act, 2003.
- 1.2 The generation facilities at Ahmedabad consists of coal based thermal power plant at Sabarmati. TPL's Ahmedabad Power Plants are hereinafter referred to as TPL-G (APP) or TPL for the sake of brevity. The business of distributing electricity in the Ahmedabad/ Gandhinagar and Surat license area is hereinafter referred to as TPL-D for the sake of brevity.

Background to Multi Year Tariff Filing

- 1.3 The Hon'ble Commission has notified the GERC (Multi Year Tariff) Regulations, 2016 (hereinafter referred to as the MYT Regulations, 2016).
- 1.4 In accordance with the MYT Regulations, 2016, the Hon'ble Commission has approved the ARR for the Control Period of FY 2016-17 to FY 2020-21 vide its Order dated 9th June 2017 in Case No. 1626/2016. Subsequently, the Hon'ble Commission has approved the ARR for FY 2022-23 vide its Order dated 31st March, 2022 in Case No. 2032/2021.
- 1.5 Pursuant to the above, the Hon'ble Commission vide its suo motu order dated 5th December, 2023 has directed the utilities to file the petition for truing up of FY 2022-23, ARR of FY 2024-25, and determination of tariff of FY 2024-25 as per the provisions of the MYT Regulations, 2016.

Requirement of Truing up and Determination of Tariff

- 1.6 The Regulation 16.2 (iii) of the MYT Regulations, 2016 provides for the truing up of previous year's expenses and revenue based on audited accounts vis-à-vis the approved forecast and categorization of variation in performance as those caused by factors within the control of the applicant (controllable factors) and those caused by factors beyond the control of the applicant (uncontrollable factors).
- 1.7 The Regulation 16.2 (vi) of the MYT Regulations, 2016 provides for the annual determination of tariff for each financial year within the Control Period based on the

approved forecast and results of the truing up exercise.

Approach adopted for Present Petition

- 1.8 The Petitioner submits the present petition for determination of ARR of FY 2024-25 including Truing Up of FY 2022-23 for its generation facilities at Ahmedabad.
- 1.9 The petition includes the forecast of the expenses during FY 2024-25 for the generation facilities. The True-up exercise has been carried out based on the actual performance for FY 2022-23 including identification of variation in cost items on account of controllable/ uncontrollable factors and sharing of gains/losses based on the MYT Regulations, 2016. The Petitioner is approaching this Hon'ble Commission for True-up by enumerating the reasons and extent of the variations in respect of the projections.
- 1.10 The Petitioner has proposed determination of tariff based on Trued up Gap/ (Surplus) of FY 2022-23 and estimated ARR of FY 2024-25.
- 1.11 The Petitioner submits that the present petition is being filed without prejudice to the matters pending before the Hon'ble ATE/Hon'ble GERC and the claims, contentions and submissions of the Petitioner in relation to various sub judice matters.

Petition Structure

- 1.12 The Petitioner files the petition for Truing Up of FY 2022-23 and determination of tariff for FY 2024-25. The true-up of FY 2022-23 includes the analysis of cost items amongst the controllable/uncontrollable factors and sharing of gains/losses.
- 1.13 The petition includes the following Chapters. A brief outline of the content of each chapter is provided below:
 - a) Chapter 1 contains the introductory information to the petition and background of the petition filing.
 - b) Chapter 2 contains the executive summary including a synopsis of the petition.
 - c) Chapter 3 covers truing-up exercise for FY 2022-23 and identification of controllable/un-controllable costs.
 - d) Chapter 4 covers the sharing of gains/losses based on the factors identified as controllable & uncontrollable.
 - e) Chapter 5 contains the the ARR for FY 2024-25.
 - f) Chapter 6 contains the compliance to the directives issued by the Hon'ble Commission in the past orders.
 - g) Chapter 7 contains the prayers to the Hon'ble Commission.

Chapter 2: Executive Summary

2.1 As per the provisions of the MYT Regulations, 2016, the Petitioner is filing this petition before the Hon'ble Commission for approval of:

1. Truing up of ARR for FY 2022-23 and sharing of gains/losses on account of controllable/un-controllable factors,
2. Determination of ARR for FY 2024-25, and
3. Determination of tariff for FY 2024-25

True Up for FY 2022-23

2.2 The Hon'ble Commission had approved the ARR for FY 2022-23 for TPL's Ahmedabad Generating facility as per the Order dated 31st March, 2022 in Case No. 2032/2021. This was based on the projections for FY 2022-23. The ARR approval is subject to truing up based on the actual data for FY 2022-23.

2.3 The Petitioner, for the purpose of true-up exercise in accordance with the MYT Regulations, 2016, is submitting this petition on the basis of the Hon'ble Commission's Order dated 31st March, 2022 in Case No. 2032/2021.

2.4 The Petitioner has considered the following parameters for true-up of ARR for TPL-G (APP).

- a) Variation in variable cost on account of variation in fuel prices and operational parameters such as PLF, SHR, Auxiliary Consumption, SFC.
- b) Variation in fixed cost such as O&M expense, Interest expenses, Depreciation, Return on Equity, Income Tax and Non-Tariff Income.
- c) Sharing of gains/losses considering the controllable & uncontrollable factors.

2.5 TPL-G (APP) submits to the Hon'ble Commission that it has made its best efforts to maintain the efficiency parameters as approved by the Hon'ble Commission. The variation in variable cost is mainly on account of uncontrollable factors such as change in offtake, fuel price, mix and calorific value. It also includes the variation in efficiency parameters like secondary fuel consumption, auxiliary consumption and station heat rate, which are controllable.

2.6 Based on the actual achievement of efficiency parameters, the Petitioner has

computed the gains/losses and consequently the sharing of gains/losses. The same is proposed to be passed through as tariff in accordance with the MYT Regulations, 2016. The Petitioner requests the Hon'ble Commission to consider the computation of variable charges corresponding to actual operational parameters, actual fixed cost, and sharing of gains/losses in accordance with the MYT Regulations, 2016. The Petitioner requests the Hon'ble Commission to approve the truing up of ARR for TPL-G (APP) as proposed based on the above computations.

2.7 The truing up for TPL-G (APP) is shown in the table below.

Table 1: Trued-up ARR of TPL-G (APP) for FY 2022-23

All figures in Rs. Crore		
ARR as per Order	(a)	1,191.54
Gains/(Losses) due to Uncontrollable Factors	(b)	(162.03)
Gains/(Losses) due to Controllable Factors	(c)	44.53
Pass through as tariff	(d)=-(1/3 rd of c+b)	147.19
ARR for True- up	(e)=a+d	1,338.73

2.8 The Petitioner requests the Hon'ble Commission to approve the ARR as per the computation provided hereinabove.

ARR for FY 2024-25

2.9 The Hon'ble Commission vide its suo motu order dated 5th December, 2023 has directed the utilities to file the petition for ARR of FY 2024-25 and determination of tariff for FY 2024-25 based on the principles and methodology as provided in the MYT Regulations, 2016. Accordingly, the Petitioner is submitting this petition for approval of the Aggregate Revenue Requirement of TPL-G (APP) for FY 2024-25. The ARR is formulated as per the provisions of the MYT Regulations, 2016.

2.10 The ARR estimation is based on the assumptions as outlined below:

- a) The operational parameters, such as, SHR, auxiliary consumption, SFC, transit loss, and O&M expenses is taken as per the MYT Regulations, 2016.
- b) The price of fuel & calorific value is taken as per the estimates for FY 2024-25.
- c) The PLF is dependent on the estimated energy drawl requirement from the TPL-G (APP) stations by TPL-D.

- d) Capital expenditure has been planned in FY 2024-25 for routine capital expenditure schemes at Sabarmati including critical plant equipments, safety & security, etc.
- e) Depreciation, Interest on loans, Interest on Working Capital, ROE, etc. have been computed as per the applicable Regulations.

2.11 The ARR thus computed for FY 2024-25 is shown in the table below.

Table 2: ARR for TPL-G (APP) for FY 2024-25

All Figures in Rs. Crores	FY 2024-25
Variable Cost	1,019.66
O&M expenses	163.67
Water Charges	26.11
Interest on loans	1.44
Interest on working capital	17.21
Depreciation	52.37
RoE	64.92
Income Tax	19.92
Incentives	-
Less: Non-tariff income	18.09
ARR	1,347.20

Chapter 3: True-up for FY 2022-23

- 3.1 The Hon'ble Commission has approved the Aggregate Revenue Requirement (ARR) for FY 2022-23 in the Order dated 31st March, 2022 in Case No. 2032/2021. The ARR approval is subject to truing up based on the actual data for FY 2022-23.
- 3.2 In this section, the true up has been proposed based on the actual performance of the business as per the MYT Regulations, 2016. The segregation of under/over recovery and attribution of variation to controllable & uncontrollable factors has been done with respect to the approved estimates for FY 2022-23.
- 3.3 The scope for truing up exercise is as specified in Regulation 21.3 of the MYT Regulations, 2016. The relevant extract of Regulations has been reproduced below for ready reference.

“The scope of the truing up shall be a comparison of the performance of the Generating Company or Transmission Licensee or SLDC or Distribution Licensee with the approved forecast of Aggregate Revenue Requirement and expected revenue from tariff and charges and shall comprise of the following:

- 1. a comparison of the audited performance of the applicant for the previous financial year with the approved forecast for such previous financial year, subject to the prudence check;*
 - 2. Review of compliance with directives issued by the Commission from time to time;*
 - 3. Other relevant details, if any.”*
- 3.4 For O&M expenses, it is proposed that the variation should be considered as controllable. For the Interest & Finance Charges, the applicable interest rates and actual level of capitalisation have to be taken into consideration. Hence, the variation in these costs needs to be attributed to the factors responsible for the variation which are uncontrollable. It is also possible that in respect of variation in one item head, part of variation could be due to uncontrollable factors and the other part (i.e. balance part) could be due to controllable factors.
- 3.5 Based on the above, the Petitioner prays to the Hon'ble Commission to allow the computation of controllable/uncontrollable costs and sharing of gains/losses as submitted by the Petitioner in the following Section.

Operational Performance Parameters

Plant Availability Factor (PAF)

- 3.6 At the time of filing of the ARR petition, the estimated availability of the units were computed after considering annual shutdown of the unit without factoring the forced outage.
- 3.7 The reason for variation in actual and approved availability is due to longer forced outage at D station due to Boiler Pressure Part Leakage. However, in E and F station, the Petitioner has achieved higher availability.
- 3.8 The actual plant availability of units has been computed considering the actual shutdown and forced outages of the units during FY 2022-23. The station wise break-up of actual PAF vis-à-vis PAF estimated in ARR is provided in the table below.

Table 3: Plant Availability Factor (PAF) of TPL-G (APP) in FY 2022-23

Particulars	Order	Actual
D Station	94.29%	91.99%
E Station	92.69%	95.30%
F Station	91.89%	92.90%

Plant Load Factor (PLF)

- 3.9 The Hon'ble Commission in its order had approved the projection of PLF for different stations. The actual PLF is marginally lower than the approved PLF primarily due to variation in the offtake.
- 3.10 It may kindly be noted that PLF is dependent on actual offtake which in turn depends upon the drawal by the consumers of the licensee which is beyond the control of the Petitioner. Therefore, the variation in the PLF is uncontrollable.
- 3.11 The station-wise actual PLF is provided in following Table.

Table 4: Plant Load Factor (PLF) of TPL-G (APP) in FY 2022-23

Particulars	Order	Actual
D Station	89.10%	85.43%
E Station	88.40%	90.06%
F Station	88.51%	89.18%

Auxiliary Consumption

- 3.12 The Hon'ble Commission in its order had approved the Auxiliary consumption in line with the MYT Regulations.
- 3.13 The Petitioner would like to submit that it has been making continuous efforts to maintain the auxiliary consumption at/below approved levels and in turn has achieved lower auxiliary consumption level across all the three stations.
- 3.14 For the purpose of quantification of gains/loss, the variation in Auxiliary consumption is considered as controllable parameter.
- 3.15 For FY 2022-23, the approved & actual Auxiliary Consumption is detailed in the following table.

Table 5: Auxiliary Consumption of TPL-G (APP) for FY 2022-23

Particulars	Order	Actual
D Station	9.00%	8.64%
E Station	9.00%	7.94%
F Station	9.00%	8.43%

Station Heat Rate (SHR)

- 3.16 The Hon'ble Commission in its order had approved the SHR for FY 2022-23 in line with the MYT Regulations. TPL-G (APP) has been making all efforts to improve and maintain the SHR at the approved level.
- 3.17 During FY 2022-23, the SHR of all the three stations was better than approved.
- 3.18 As per MYT Regulations, 2016, the variation in SHR is a controllable parameter within the operating range of PLF for sharing of gains/losses.
- 3.19 The actual SHR achieved for each of the station is provided in the table below for the approval of the Hon'ble Commission.

Table 6: Station Heat Rate (SHR) for TPL-G (APP) in FY 2022-23

All figures in Kcal/kWh	Order	Actual
D Station	2,450	2,446
E Station	2,455	2,442
F Station	2,455	2,409

Secondary Fuel Oil Consumption (SFC)

3.20 The Hon'ble Commission in the Order had approved the SFC considering the MYT Regulations, 2016. During FY 2022-23, TPL-G (APP) achieved the lower SFC in all three stations owing to continuous efforts and better preventive maintenance. As per MYT Regulations, 2016, the variation in SFC is a controllable parameter for sharing of gains/losses.

3.21 The actual Secondary Fuel Oil Consumption is provided in the table below for the approval of the Hon'ble Commission.

Table 7: Secondary Fuel Oil Consumption (SFC) for TPL-G (APP) in FY 2022-23

All figures in ml/kWh	Order	Actual
D Station	1.00	0.42
E Station	1.00	0.06
F Station	1.00	0.20

Transit Losses

3.22 The Hon'ble Commission has approved the transit loss for FY 2022-23 at 0.80%. The actual transit loss is at 0.77%.

3.23 As such there are various uncontrollable factors such as issue of accuracy of weighbridge at loading end, moisture loss, windage, and seepage losses due to which transit loss exists. However, TPL-G (APP) has been making continuous efforts to contain the Transit Losses.

3.24 The actual transit loss is provided in the table below for the approval of the Hon'ble Commission.

Table 8: Transit Losses for TPL-G (APP) in FY 2022-23

Particulars	Order	Actual
Transit Loss (%)	0.80%	0.77%

Gross Generation and Net Generation

3.25 The Gross and Net Generation of energy based on above operating parameters has been provided in the table below for each of the stations for the approval of the Hon'ble Commission.

Table 9: Gross & Net Generation for TPL-G (APP) in FY 2022-23

Particulars	Order	Actual
D Station		
Capacity in MW	120	120
PLF in %	89.10%	85.43%
Gross Generation in MU	936.67	898.07
Auxiliary Consumption in MU	84.30	77.55
Net Generation in MU	852.37	820.52
E Station		
Capacity in MW	121	121
PLF in %	88.40%	90.06%
Gross Generation in MU	936.96	954.64
Auxiliary Consumption in MU	84.33	75.81
Net Generation in MU	852.63	878.83
F Station		
Capacity in MW	121	121
PLF in %	88.51%	89.18%
Gross Generation in MU	938.12	945.31
Auxiliary Consumption in MU	84.43	79.69
Net Generation in MU	853.69	865.63
Total		
Gross Generation in MU	2,811.75	2,798.03
Auxiliary Consumption in MU	253.06	233.04
Net Generation in MU	2,558.69	2,564.98

Determination of Variable Cost

3.26 The actual variable cost is computed by considering the actual PLF, Station Heat Rate & cost of calorific value of fuel. The actual calorific value of fuel is shown in Table 10 and the actual price of fuel is shown in Table 11 below.

Table 10: Calorific Value of Fuel of TPL-G (APP)

Particulars	Order	Actual
Indigenous Coal (Kcal/Kg)	4,200	4,685
Imported Coal (Kcal/Kg)	4,750	4,430
Secondary Fuel Oil (Kcal/L)	9,984	10,122

- 3.27 Based on the quantity and rate of fuel, the variable cost of fuel is computed as shown in the table below.

Table 11: Fuel Cost of TPL-G (APP) in FY 2022-23

Particulars	Order	Actual
Indigenous Coal		
Quantity (Tonnes)	1,197,691.00	1,261,391.58
Rate (Rs. per Tonne)	5,156.35	5,959.97
Cost (Rs. Crore)	617.57	751.79
Imported Coal		
Quantity (Tonnes)	395,796.69	211,114.15
Rate (Rs. per Tonne)	6,427.39	11,824.26
Cost (Rs. Crore)	254.39	249.63
Secondary Fuel Oil		
Quantity (KL)	2,811.75	614.87
Rate (Rs. per KL)	39,977.35	59,493.48
Cost (Rs. Crore)	11.24	3.66
Total Coal Cost (Rs. Crore)	871.97	1,001.41
Total Secondary Fuel Cost (Rs. Crore)	11.24	3.66
Total Cost (Rs. Crore)	883.21	1,005.07

- 3.28 The variable cost item includes the gains/losses on account of both controllable & un-controllable factors. The controllable factors are Station Heat Rate (SHR), Secondary Fuel Consumption, Auxiliary Consumption & Transit Loss and the un-controllable factors are Price of Fuel, Calorific Value of fuel, and Offtake of power etc.
- 3.29 The computation of sharing of gains/losses has been carried out accordingly and is provided in the relevant section.

Determination of Fixed Costs

Operation and Maintenance (O&M) expenses

- 3.30 Actual O&M expenses vis a vis the approved has been provided in the table below for the approval of the Hon'ble Commission.

Table 12: Operation & Maintenance Expenses for TPL-G (APP) in FY 2022-23

All figures in Rs. Crore	Order	Actual
Operation & Maintenance Expenses	163.60	144.94

- 3.31 Variation in O&M expenses is a controllable parameter. The Petitioner requests the Hon'ble Commission to allow gains/ loss accordingly as proposed at Chapter 4 herein below.

Water Charges

- 3.32 The Hon'ble Commission, in the ARR Order, approved the water charges of Rs. 12.66 Crore. The actual water charges for FY 2022-23 is furnished hereunder based on the actual rate of water charges for Frenchwell and Borewell mainly due to water usage based on higher generation than estimated and revised rate of water charges.

Table 13: Water Charges for TPL-G (APP) in FY 2022-23

All figures in Rs. Crore	Order	Actual
Water Charges	12.66	23.72

- 3.33 The existing MYT Regulations, 2016 provides that water charges are to be allowed as per actuals. Accordingly, TPL-G (APP) requests the Hon'ble Commission to approve the same as per actuals.

Capital Expenditure

- 3.34 The Hon'ble Commission, in the Order, has approved the capital expenditure of Rs. 40.76 Crore. In turn, against the approved capital expenditure, TPL-G (APP) has incurred capital expenditure of Rs. 22.30 Crore during FY 2022-23. Summary of the capital expenditure incurred is provided in the following table.

Table 14: Capital Expenditure of TPL-G (APP) in FY 2022-23

All figures in Rs. Crore	Order	Actual
Normal Capital Expenditure		
Boiler Works	6.99	5.64
Turbine Works	17.50	1.43
Electrical Works	3.89	2.36
C&I Works	8.20	10.27
Civil Works	1.44	1.05
Others	0.65	1.40

All figures in Rs. Crore	Order	Actual
Miscellaneous Capital Expenditure		
Misc.	2.09	0.15
Total Cost	40.76	22.30

3.35 The details of actual capital expenditure and reasons for the major variances in the actual expenditure against the approved expenditure are enumerated hereunder:

a) Normal Capital Expenditure – TPL G (APP) incurred the expenditure of Rs. 22.15 Crore against approval of Rs. 38.67 Crore. The details of actual expenditure is as under:

- Boiler Works – Expenditure under this head has been incurred primarily towards ESP in E station to adhere to the environmental norms. Expenditure is also incurred towards pressure part replacement, replacement of mill components and ash line.
- Turbine Works – Major expenditure planned under this head for E & F station turbine has been differed to FY 2024-25. During FY 2022-23 capex has been incurred towards pumps and associated equipments.
- Electrical Works – Major expenditure incurred under this head is towards D station HT Board, upgradation of ABT system, replacement of ICT-1 transformer.
- C&I Works – During FY 2022-23, expenditure incurred is towards Human Machine Interface (HMI) upgradation of E and F station along with Switchyard SCADA Distributed Control System (DCS).
- Civil Works – Expenditure has been incurred towards refurbishment works of compound wall and storm water network expansion.
- Others – Under this head, expenditure has been incurred towards fire prevention system, Linear Heat Sensing Cable for fire protection, various refurbishment works of air and water cooling system, HVAC system, etc.

b) Misc. Capital Expenditure – TPL G (APP) incurred an expenditure of Rs. 0.15 Crore. The expenditure has been incurred towards IT network.

The details of capitalization of TPL-G (APP) are provided hereunder.

Table 15: Capitalization for TPL-G (APP) in FY 2022-23

All figures in Rs. Crore	Order	Actual
Opening GFA	1,154.71	1,156.47
Addition to GFA	29.94	22.19
Deletion to GFA	-	3.81
Closing GFA	1,184.65	1,174.85

Interest Expenditure

- 3.36 The Petitioner submits that the MYT Regulations, 2016 provides for the calculation of interest expenses on normative basis considering the amount of depreciation of assets as the amount of repayment.
- 3.37 The Petitioner has considered the interest expenses as per the MYT Regulations, 2016 on normative basis. Reduction of normative loan due to deduction in GFA is derived at Rs. (0.30) Crore after considering depreciation on account of deduction of Rs. 2.97 Crore and reduction in equity of Rs. 1.14 Crore. The Petitioner has calculated the interest expenses by applying Weighted Average Rate of interest of the actual loan portfolio of the Petitioner during the year on the loan component while repayment has been considered equal to the depreciation of the assets for the year.
- 3.38 The eligible interest expenses for FY 2022-23 are shown in the table below.

Table 16: Interest Expense for TPL-G (APP)

(All figures in Rs. Crore except mentioned otherwise)

All figures in Rs. Crore	Order	Actual
Opening balance of loans	-	-
Less: Reduction of normative loan due to retirement or replacement of asset		(0.30)
Addition of loan	20.95	15.53
Repayment during the year	50.35	50.11
Closing balance of loans	-	-
Average loan	-	-
Weighted average rate of interest (%)	7.85%	7.62%
Interest Expense	-	-
Other Borrowing Cost	-	1.26

- 3.39 The total interest expenditure is furnished in the following table for the consideration of the Hon'ble Commission.

Table 17: Total Interest Expense for TPL-G (APP) in FY 2022-23

All figures in Rs. Crore	Order	Actual
Interest Expense	-	1.26

- 3.40 The Petitioner requests the Hon'ble Commission to approve the above mentioned interest expenses. The variation in interest expenses compared to the approved expenses is to be treated as uncontrollable as it depends on the quantum of actual capitalization and variation in the interest rates.

Interest on Working Capital

- 3.41 The working capital requirement is arrived at as per the MYT Regulations, 2016. The computation is provided in the table below for the approval of the Hon'ble Commission.

Table 18: Interest on Working Capital for TPL-G (APP) in FY 2022-23

(All figures in Rs. Crore except mentioned otherwise)

Particulars	Order	Actual
Coal for 1.5 months	106.65	121.92
Secondary fuel for 2 months	1.80	2.67
O&M expense for 1 month	13.63	12.08
1 % of GFA for maintenance spares	11.55	11.56
Receivables for 1 month	-	-
Working Capital Requirement	133.62	148.23
Interest Rate (%)	9.50%	10.30%
Interest on Working Capital	12.69	15.27

- 3.42 The Petitioner submits that variation between the approved interest on working capital and actual interest on working capital is mainly attributable to uncontrollable factors only. Accordingly, variation in Interest on Working Capital is treated as uncontrollable.
- 3.43 TPL-G (APP) requests the Hon'ble Commission to approve the above-mentioned interest on working capital.

Depreciation

- 3.44 The depreciation rates as per the CERC (Terms & Conditions of Tariff) Regulation, 2004 is applied on the opening GFA of FY 2009-10 and for addition of assets from 1st April,

2009 onwards, the depreciation has been computed at the rates specified in the GERC Regulations.

3.45 The total depreciation arrived at, as described above, is shown in the table below.

Table 19: Depreciation for TPL-G (APP) in FY 2022-23

All Figures in Rs. Crore	Order	Actual
Depreciation	50.35	50.11

3.46 The Petitioner requests the Hon'ble Commission to approve the depreciation as mentioned above. It further submits that the variation in depreciation amount compared to the approved amount be treated as uncontrollable.

Return on Equity

3.47 The closing balance of equity has been arrived at considering additional equity of 30% of the capitalisation during the year. The return on equity has been computed by applying a rate of 14% on the average of opening balance & closing balance of equity.

Table 20: Return on Equity for TPL-G (APP) in FY 2022-23

All Figures in Rs. Crore	Order	Actual
Opening Equity	433.41	433.93
Equity portion of capitalisation during the year	8.98	6.66
Reduction in Equity capital on account of retirement/replacement of assets	-	1.14
Equity at the end of the year	442.39	439.44
Return on Equity at the beginning of the year	60.68	60.75
Return on Equity addition during the year	0.63	0.39
Total Return on Equity	61.31	61.14

3.48 The Petitioner requests the Hon'ble Commission to consider the variation in ROE as uncontrollable and allow the same for the purpose of true up.

Income Tax

3.49 While passing the Order, the Hon'ble Commission had provisionally approved the income tax of Rs. 20.83 Crore as per the actuals of FY 2020-21.

3.50 The Petitioner has claimed the Income Tax for FY 2022-23 considering the total tax paid and the ratio of PBT of TPL-G (APP) and PBT of the company as a whole as per

audited accounts.

Table 21: Income Tax of TPL-G (APP) in FY 2022-23

All figures in Rs. Crore	Order	Actual
Income Tax	20.83	19.92

- 3.51 TPL-G (APP) requests the Hon'ble Commission to consider the variation in Income Tax as uncontrollable and allow the same for the purpose of truing up.

Non-tariff Income

- 3.52 The Hon'ble Commission had approved the non-tariff income of Rs. 13.11 Crore in the order. The actual non-tariff income is Rs. 18.09 Crore as under. The variation in non-tariff income is primarily due to revenue from sale of fly ash.

Table 22: Non-Tariff Income of TPL-G (APP) in FY 2022-23

All figures in Rs. Crore	Order	Actual
Non-Tariff Income	13.11	18.09

- 3.53 TPL-G (APP) submits that the variation in non-tariff income is uncontrollable. Accordingly, it requests the Hon'ble Commission to allow the variation in Non-Tariff Income as uncontrollable for the purpose of truing up.

Incentive

- 3.54 As per the MYT Regulations, 2016, the incentive payable to a thermal generating station shall be calculated in accordance with the plant load factor achieved against the normative plant load factor of 85%.
- 3.55 Accordingly, the incentive for the FY 2022-23 is Rs. 5.70 Crores. The working of the same is summarized as under:

Table 23: Incentive of TPL-G (APP) in FY 2022-23

All figures in Rs. Crores	Actual
Scheduled Generation (MU)	2,566.87
Net Generation at 85% PLF (MU)	2,452.86
Eligible generation for incentive (MU)	114.00
Incentive (Rs. Crore)	5.70

Summary of Fixed Cost

3.56 The total fixed cost arrived at based on the actual expense of individual items are shown below.

Table 24: Fixed Cost for TPL-G (APP) in FY 2022-23

All figures in Rs. Crore	Order	Actual
O&M Expenses	163.60	144.94
Water Charges	12.66	23.72
Depreciation	50.35	50.11
Interest on loan	-	1.26
Interest on Working Capital	12.69	15.27
Return on Equity	61.31	61.14
Income Tax	20.83	19.92
Incentives	-	5.70
Less: Non-Tariff Income	13.11	18.09
Total	308.33	303.97

Summary of Revenue Requirement

3.57 The Aggregate Revenue Requirement for the Ahmedabad Generation is summarized in the following table below:

Table 25: Summary of True-Up for TPL-G (APP) in FY 2022-23

All figures in Rs. Crore	Order	Actual
Variable Cost	883.21	1,005.07
O&M Expenses	163.60	144.94
Water Charges	12.66	23.72
Depreciation	50.35	50.11
Interest on loan	-	1.26
Interest on Working Capital	12.69	15.27
Return on Equity	61.31	61.14
Income Tax	20.83	19.92
Incentive	-	5.70
Less: Non-Tariff Income	13.11	18.09
Total	1,191.54	1,309.04

3.58 TPL-G (APP) requests the Hon'ble Commission to kindly approve the truing up of data submitted hereinabove.

Chapter 4: Sharing of gains and losses for FY 2022-23

4.1 Regulation 23 and 24 of the MYT Regulations, 2016 enumerates the mechanism for sharing of gains and losses on account of uncontrollable and controllable factors.

4.2 In case of uncontrollable factors, the gain and losses are entirely passed through as an adjustment in tariff. The relevant Regulation of the MYT Regulations, 2016 is reproduced below:

“23.1 The approved aggregate gain or loss to the Generating Company or Transmission Licensee or SLDC or Distribution Licensee on account of uncontrollable factors shall be passed through as an adjustment in the tariff of the Generating Company or Transmission Licensee or SLDC or Distribution Licensee over such period as may be specified in the Order of the Commission passed under these Regulations”.

4.3 In case of controllable factors, the gains and losses are shared between the generating company / licensee and the consumer in the form of tariff adjustment. The relevant provision of the regulation is provided in this section. Also, the mechanism adopted in this petition for sharing of gains & losses on account of controllable factors is as outlined in Regulation 24.1 & 24.2 of the MYT Regulations, 2016. The relevant extracts of the Regulations has been reproduced below for ready reference.

4.4 The mechanism for sharing of gains defined in Regulation 24.1 of the MYT Regulations, 2016 is as under:-

“The approved aggregate gain to the Generating Company or Transmission Licensee or SLDC or Distribution Licensee on account of controllable factors shall be dealt with in the following manner:

(a) One-third of the amount of such gain shall be passed on as a rebate in tariffs over such period as may be stipulated in the Order of the Commission under Regulation 21.6;

(b) The balance amount, which will amount to two-thirds of such gain, may be utilised at the discretion of the Generating Company or Transmission Licensee or SLDC or Distribution Licensee.”

4.5 The mechanism for sharing of losses defined in Regulation 24.2 of MYT Regulations, 2016 is as under:-

“The approved aggregate loss to the Generating Company or Transmission Licensee or SLDC or Distribution Licensee on account of controllable factors shall be dealt with in the following manner:

(a) One-third of the amount of such loss may be passed on as an additional charge in tariffs over such period as may be stipulated in the Order of the Commission under Regulation 21.6; and

(b) The balance amount of loss, which will amount to two-thirds of such loss, shall be absorbed by the Generating Company or Transmission Licensee or SLDC or Distribution Licensee.”

4.6 The Petitioner has compared the actuals for FY 2022-23 with the approved figures and has segregated the variation as controllable or uncontrollable based on the analysis mentioned in the truing up section.

4.7 The comparison of various ARR items and the gains / losses due to controllable and uncontrollable factors have been summarised below:

Table 26: Controllable and Uncontrollable variations in TPL-G (APP) in FY 2022-23

All figures in Rs. Crore	FY 2022-23 (Order)	FY 2022-23 (Actual)	Over/(Under) recovery	Controllable	Uncontrollable
Variable Cost	883.21	1,005.07	(121.86)	25.87	(147.74)
O&M Expenses	163.60	144.94	18.66	18.66	-
Water Charges	12.66	23.72	(11.06)	-	(11.06)
Depreciation	50.35	50.11	0.24	-	0.24
Interest on loan	-	1.26	(1.26)	-	(1.26)
Interest on Working Capital	12.69	15.27	(2.57)	-	(2.57)
Return on Equity	61.31	61.14	0.17	-	0.17
Income Tax	20.83	19.92	0.91	-	0.91
Incentive	-	5.70	(5.70)	-	(5.70)
Less: Non-tariff income	13.11	18.09	(4.98)	-	(4.98)
Net ARR	1,191.54	1,309.04	(117.50)	44.53	(162.03)

4.8 The variation in variable cost is mainly on account of uncontrollable factors such as change in offtake, fuel price, mix and calorific value. It also includes the variation in efficiency parameters like secondary fuel consumption, auxiliary consumption, transit loss and station heat rate, which are controllable. The entire variation on account of efficiency parameters is attributed to the controllable factors for sharing of

gains/losses as per the Regulations. The variation in fuel price, mix and calorific value along with offtake are uncontrollable and accordingly, the variation in variable cost due to these factors has been treated as uncontrollable.

- 4.9 The variation in O&M Expenses has been considered as controllable, whereas the variation in ROE, Interest expenses and depreciation on account of variation in capitalization and interest rates has been treated as uncontrollable. Similarly, the variation in income tax and non-tariff income has been treated as uncontrollable.
- 4.10 The variation in the working capital requirement is mainly due to variation in the fuel cost, which is uncontrollable. Similarly, the variation in interest rate is also uncontrollable. Therefore, as per the MYT Regulations, 2016, the variation in interest on working capital is to be treated as uncontrollable.
- 4.11 TPL-G (APP) submits that any variation on account of uncontrollable factor is a part of the gap/ (surplus) identified for the year and is passed on to the consumer through adjustment in tariff as per the Regulation 23 of the MYT Regulations, 2016. In case of variation due to controllable factors, the gains and losses have to be dealt with as per Regulation 24.
- 4.12 Based on the above, the sharing of gains and losses due to controllable factors is summarised below.

Table 27: Controllable Sharing of gains/losses of TPL-G (APP) for FY 2022-23

All figures in Rs. Crore	Pass through by adjustment in tariff	To be retained/ absorbed	Total
Controllable Gain	14.84	29.69	44.53
Controllable Loss	-	-	-
Total	14.84	29.69	44.53

- 4.13 Out of the controllable gain of Rs. 44.53 Crore, Rs. 14.84 Crore is to be passed through to the consumers. The remaining gain of Rs. 29.69 Crore is to be retained by the Petitioner as per the Regulations detailed hereinabove. The same needs to be added to the ARR and the same would be collected in the form of tariff.
- 4.14 The following is the summary of ARR recoverable by TPL-G (APP) from TPL-D towards supply of electricity to TPL-D.

Table 28: Trued-up ARR of TPL-G (APP) for FY 2022-23

All Figures in Rs. Crore		
ARR as per order	(a)	1,191.54
Gains/(Losses) due to Uncontrollable Factors	(b)	(162.03)
Gains/(Losses) due to Controllable Factors	(c)	44.53
Pass through as tariff	$d=-(c/3+b)$	147.19
ARR True- up	$e=a+d$	1,338.73

- 4.15 The Petitioner requests the Hon'ble Commission to approve the ARR as per the computation provided hereinabove.

Chapter 5: ARR for TPL – G for FY 2024-25

- 5.1 The Hon'ble Commission, vide its suo motu order dated 5th December, 2023, has directed the utilities to file the petition for truing up of FY 2022-23, ARR of FY 2024-25, and determination of tariff of FY 2024-25 as per the provisions of the MYT Regulations, 2016. Accordingly, the Petitioner has arrived at the ARR for the FY 2024-25 by computing each of the components as per the Regulations and principles enunciated by the Hon'ble Commission in the MYT Regulations, 2016.
- 5.2 This section of the petition contains the Aggregate Revenue Requirement for the FY 2024-25 for TPL – G (APP). The Petitioner has arrived at the ARR for FY 2024-25 for Ahmedabad Generation by computing each of the components as per the Regulations and principles enunciated by the Hon'ble Commission in the MYT Regulations, 2016. This section also provides description on the performance with regard to the operational parameters, estimation of variable/fuel cost and fixed cost.

Operational Performance Parameters

- 5.3 The estimates of operational parameters & cost of generation is developed based on the MYT Regulations, 2016.

Plant Availability Factor (PAF)

- 5.4 The plant availability factor has been computed after considering annual planned shutdown of the unit without factoring the forced outage factor.
- 5.5 The planned maintenance days for each unit has been tabulated in the following table:

Table 29: Annual Planned Maintenance of TPL – G (APP) for FY 2024-25

Particulars	FY 2024-25
D Station	55
E Station	18
F Station	12

- 5.6 TPL-G (APP) would like to submit that above planned maintenance is scheduled normally during November to February in order to carry out this maintenance works at a time when there is lower demand.

5.7 Based on the above details, TPL-G (APP) has projected following PAF shown in the table below.

Table 30: PAF for TPL – G (APP) for FY 2024-25

Particulars	FY 2024-25
D Station	82.81%
E Station	92.71%
F Station	94.29%

5.8 TPL-G (APP) submits to the Hon'ble Commission to consider PAF as provided in the table above. However, PAF may undergo change due to forced outages and other unforeseen circumstances.

Plant Load Factor (PLF) & Incentive

5.9 Basis the PAF and other factors, PLF considered for FY 2024-25 is shown in the table below for the kind consideration of the Hon'ble Commission. However, the same may undergo change depending upon the variation in the demand.

Table 31: PLF for TPL – G (APP) for FY 2024-25

Particulars	FY 2024-25
D Station	80.07%
E Station	89.04%
F Station	91.80%

5.10 TPL-G (APP) submits to the Hon'ble Commission that it has not considered any incentive for FY 2024-25 in this petition. However, TPL-G (APP) shall claim the same during True-up exercise based on actuals in accordance with the applicable Regulations.

Auxiliary Consumption

5.11 Based on the principle and the methodology enunciated in the MYT Regulations, 2016, the Petitioner has proposed the auxiliary consumption for TPL-G(APP) as under.

Table 32: Auxiliary Consumption for TPL – G (APP) for FY 2024-25

Particulars	FY 2024-25
D Station	9.00%
E Station	9.00%
F Station	9.00%

Station Heat Rate (SHR)

5.12 Based on the principle and the methodology enunciated in the MYT Regulations, 2016, the Petitioner has considered the SHR as under.

Table 33: SHR for TPL – G (APP) for FY 2024-25 (In Kcal/KWh)

Particulars	FY 2024-25
D Station	2,450
E Station	2,455
F Station	2,455

Secondary Fuel Oil Consumption (SFC)

5.13 Based on the principle and the methodology enunciated in the MYT Regulations, 2016, the Petitioner has considered the SFC for TPL-G(APP) as under:

Table 34: SFC for TPL – G (APP) for FY 2024-25 (In gm/KWh)

Particulars	FY 2024-25
D Station	1.0
E Station	1.0
F Station	1.0

Transit Losses

5.14 The Petitioner would like to submit that there are various uncontrollable factors such as issue of accuracy of weighbridge at loading end, moisture loss, windage and seepage losses due to which transit loss exists. However, TPL-G(APP) has been making continuous efforts to contain the Transit Losses. Accordingly, the transit losses for TPL-G(APP) during FY 2024-25 has been considered as under:

Table 35: Transit Loss for TPL – G (APP) for FY 2024-25 (In %)

Particulars	FY 2024-25
Transit Loss	0.80%

Gross Generation and Net Generation

5.15 The station wise gross and net generation for FY 2024-25 have been computed based on the proposed PLF and auxiliary consumption as described in the previous section. The proposed generation of energy from the TPL – G (APP) is shown in the table below for the kind consideration of the Hon'ble Commission.

Table 36: Gross & Net Generation of TPL – G (APP) for FY 2024-25

Particulars	FY 2024-25
Plant D	
Capacity in MW	120
PLF in %	80.07%
Gross Generation in MU	841.74
Auxiliary Consumption in MU	75.76
Net Generation in MU	765.98
Plant E	
Capacity in MW	121
PLF in %	89.04%
Gross Generation in MU	943.78
Auxiliary Consumption in MU	84.94
Net Generation in MU	858.84
Plant F	
Capacity in MW	121
PLF in %	91.80%
Gross Generation in MU	973.00
Auxiliary Consumption in MU	87.57
Net Generation in MU	885.43
Total	
Gross Generation in MU	2,758.52
Auxiliary Consumption in MU	248.27
Net Generation in MU	2,510.25

Determination of Variable Cost

5.16 TPL-G (APP) has arrived at the variable cost based on the proposed operational parameters for FY 2024-25 as described in the previous paragraphs. The price of fuel & calorific value is taken as per the estimates for FY 2024-25.

5.17 The calorific value of primary & secondary fuel is shown in the table below for the approval of the Hon'ble Commission.

Table 37: Gross Calorific Value of Fuel for FY 2024-25

Particulars	FY 2024-25
Indigenous Coal (Kcal/Kg)	4,002
Imported Coal (Kcal/Kg)	4,750
Secondary Fuel Oil (Kcal/L)	10,106

5.18 The price of primary and secondary fuel considered for FY 2024-25 is as under:

Table 38: Price of Fuel for FY 2024-25

Particulars	FY 2024-25
Indigenous Coal (Rs./Tonne)	5,151.09
Imported Coal (Rs./Tonne)	9,325.47
SFC (Rs./ KLitre)	55,983.71

5.19 TPL-G (APP) sources coal from indigenous sources and imported sources based on the requirement of fuel as per the proposed generation.

5.20 Based on the parameters discussed above the fuel cost is estimated as in the table below:

Table 39: Fuel Cost for TPL – G (APP) for FY 2024-25

Particulars	FY 2024-25
Indigenous Coal	
Requirement in Tonnes	1,207,069.57
Rate (Rs./Tonne)	5,151.09
Cost (Rs. Crore)	621.77
Imported Coal	
Requirement in Tonnes	410,109.94
Rate (Rs./Tonne)	9,325.47
Cost (Rs. Crore)	382.45
SFC	
Requirement in kLitres	2,758.52
Rate (Rs./kLitres)	55,983.71
Cost (Rs. Crore)	15.44
Total Coal Cost (Rs. Crore)	1,004.22
Total SFC (Rs. Crore)	15.44

Particulars	FY 2024-25
Total Fuel Cost (Rs. Crore)	1,019.66

- 5.21 It may kindly be noted that in real time operations, these stations may operate at different levels depending on various system parameters, availability of other generation sources, etc. In such a case, the blending ratio and the fuel cost will change from the proposed level.

Determination of Fixed Costs

Operation and Maintenance (O&M) expenses

- 5.22 The Petitioner has projected the O&M expenses of FY 2024-25 as per the methodology specified in MYT Regulations, 2016 by considering approved O&M expenses of last 3 years (i.e. FY 2020-21 to FY 2022-23) with FY 2021-22 as base year and escalating by 5.72% per annum. Accordingly, the O&M expenses arrived through this methodology is shown in the table below.

Table 40: O&M Expenses of TPL – G (APP) for FY 2024-25

All Figures in Rs. Crore	FY 2024-25
O&M Expenses	163.67

- 5.23 It may kindly be noted that the above O&M expenses does not take into account the uncontrollable expenses such as the wage revision, change in law, change in levies/ duties/ taxes and charges, etc. Therefore, the Petitioner requests the Hon'ble Commission to treat these components as uncontrollable factors and any such expenses on account of these factors are to be allowed over and above the normal allowable components.

Capital Expenditure

- 5.24 TPL-G (APP) endeavours to operate the generating plants efficiently to meet the normative operational parameters. This has been possible on account of periodical up-gradations / modernization of the plants.
- 5.25 To ensure smooth and consistent operations with higher level of efficiency, TPL-G (APP) needs to make necessary capital expenditure particularly major overhauling of D station turbine.

5.26 Summary of capital expenditure for FY 2024-25 is shown in the table below for the approval of the Hon'ble Commission.

Table 41: Capital Expenditure of TPL – G (APP) for FY 2024-25

All Figures in Rs. Crore	FY 2024-25
Normal Capital Expenditure	
Boiler Works	11.28
Turbine Works	45.71
Electrical Works	28.88
C&I works	3.79
Civil works	4.10
CHP works	7.75
Others	4.83
Sub Total	106.34
Miscellaneous	2.81
Grand Total	109.15

5.27 The details of major capital expenditure for FY 2024-25 are provided in the following sections:

- i. Normal Capital Expenditure: The proposed capital expenditure is towards replacement of important parts/ system in light of the ageing effect on the equipment and wear and tear during the normal operations.
 - *Boiler Works*: It is proposed to incur capex in a phased manner towards (i) BTG pressure parts replacement as they are subjected to high temperature and pressure in boiler area due to erosive nature of flue gas, (ii) Replacement of Raw Coal (RC) variator and Mill components, (iii) Replacement of Coal air pipe, Mill body, Gear Set, Raw Coal Variator (RCV), and (iv) Ash line replacement, Ash slurry pump spares, Bottom Ash Hopper (BAH) gate, Ash Pond reverse water project.
 - *Turbine Works*: The capital expenditure towards D station turbine/ Generator major overhauling was to be initiated and completed during FY 2023-24. However, due to SLDC directions of deferment in shutdown, the capex has been deferred to FY 2024-25. Further, it is also proposed to initiate preparatory work for overhauling of F station during FY 2024-25. Additionally, capex is also proposed to be incurred towards refurbishment of cooling tower

and pumps.

- *Electrical Works:* During FY 2024-25, expenditure is planned towards rewinding of D & E station Generator Transformer (GT), rewinding of E station Interconnecting Transformer (ICT) -1, replacement of Digital Automatic Voltage Regulator (DAVR) of D station, Procurement and replacement of ABT Meters and associated communication parts, lighting protection systems, amongst others.
 - *Control & Instrumentation Works:* The activity for D station ABB DCS HMI Upgradation due to HMI Hardware obsolescence was initiated during FY 2023-24. Same shall be continued during FY 2024-25. Capex shall also be incurred towards upgradation of Steam and Water Analysis System (SWAS) of D/E/F station, Upgradation of enviro monitoring & combustion analyzers, and outdated hydraulic turbine control system amongst others.
 - *CHP Works:* Expenditure is proposed towards CHP and its ancillary systems like dozer, loco, mobile crane, DG set and mobile vacuum plant.
 - Capital Expenditure has also been planned towards supply and installation of sewage treatment plant to reutilize plant sewage water, instruments for coal, water and other analysis, installation of Continuous Ambient Air Quality Monitoring Station (CAAQMS) for measurement of different ambient air parameters along with its online data connectivity. Expenditure is also planned towards water distribution pipeline, material storage, and fire and safety equipments, amongst others.
- ii. Miscellaneous: Other items include expenditure towards Mass Communication related items, office equipments and facility works and IT assets.
- 5.28 TPL-G (APP) submits that the capital expenditure described hereinabove is necessary for ensuring the smooth operations of the generating station. TPL-G (APP) therefore requests the Hon'ble Commission to kindly approve the same.
- 5.29 Further to the above, the Petitioner would like to submit that the Ministry of Environment & Forests (MoEF) has revised the environmental norms for thermal power plants vide its notification dated 07.12.2015 and subsequently given extension to plants to comply with the requirements till 31.12.2027. Accordingly, the Petitioner has not considered any capex towards compliance with the MoEF notification in the

present petition. In this regard, the Petitioner shall approach the Hon'ble Commission at appropriate stage.

Interest Expenses

- 5.30 The capital expenditure for FY 2024-25 will be funded through a debt equity ratio of 70:30 as per the MYT Regulations 2016. The interest expense against this debt component is estimated in the table below:

Table 42: Capitalisation for FY 2024-25

All Figures in Rs. Crores		FY 2024-25
Opening GFA	a	1,194.22
Addition to GFA	b	123.08
Deletion from GFA	c	-
Closing GFA	d=a+b-c	1,317.30

- 5.31 The Petitioner submits that the MYT Regulations, 2016 provides for the calculation of interest expenses on normative basis considering the amount of depreciation of assets as the amount of repayment. The Petitioner has considered the interest expenses as per the MYT Regulations, 2016 on normative loans.
- 5.32 The Petitioner has calculated the interest expenses by applying the estimated Weighted Average Rate of interest of the loan portfolio of the Petitioner at the beginning of the year while repayment has been considered equal to the depreciation of the assets for the year.
- 5.33 The interest expense thus proposed for TPL-G (APP)'s generation facilities is shown in the table below for approval of the Hon'ble Commission:

Table 43: Interest Expenses for FY 2024-25

All Figures in Rs. Crores	FY 2024-25
Opening Balance of Loans	-
Loan addition during the year	86.16
Deletion	-
Repayments during the year	52.37
Closing balance of Loans	33.79
Average Loans	16.89
Weighted Average Rate of Interest (in %)	8.55%
Interest Expense	1.44

Interest on Working Capital

- 5.34 The interest on working capital is computed as per the MYT Regulations 2016. The interest rate, being the SBI MCLR rate on 1st April, 2023 plus 250 basis points, of 11.00% is applied on the working capital requirement arrived at in accordance with the Regulations.
- 5.35 The interest on working capital is shown in the table below for the approval of the Hon'ble Commission.

Table 44: Interest on Working Capital for FY 2024-25

All Figures in Rs. Crore	FY 2024-25
Coal for 1.5 months	128.31
Secondary Fuel for 2 months	2.52
O&M expense for 1 month	13.64
1 % of GFA for maintenance spares	11.94
Working Capital Requirement	156.41
Interest Rate	11.00%
Interest on Working Capital	17.21

Depreciation

- 5.36 The depreciation rates as per the CERC (Terms & Conditions of Tariff) Regulation, 2004 is applied on the opening GFA of FY 2009-10 and for addition of assets from 1st April 2009 onwards depreciation has been computed at the rates specified in the GERC Regulations.
- 5.37 The total depreciation arrived at after the computation described above is shown in the table below. The Petitioner submits to the Hon'ble Commission to approve the depreciation as proposed.

Table 45: Depreciation of TPL – G (APP) for FY 2024-25

All Figures in Rs. Crore	FY 2024-25
Depreciation	52.37

Return on Equity

- 5.38 The return on equity has been computed based on the opening & closing balance of the equity arrived at considering the estimated capitalisation in FY 2024-25.

- 5.39 The return on equity is computed at 14% on the average of the opening & closing balance of equity in FY 2024-25. The return on equity estimated by the Petitioner is shown in the table below for the approval of the Hon'ble Commission.

Table 46: Return on Equity of TPL – G (APP) for FY 2024-25

All Figures in Rs. Crore	FY 2024-25
Opening Balance	445.26
Addition	36.92
Closing Balance	482.18
ROE @ 14% on the average balance	64.92

Income Tax

- 5.40 For the purpose of estimation of income tax, TPL-G (APP) has considered the Income Tax of Rs. 19.92 Crore considering the total tax paid and the ratio of PBT of TPL-G (APP) and PBT of the company as a whole as per audited accounts of FY 2022-23.
- 5.41 The income tax thus proposed for FY 2024-25 is shown in the table below:

Table 47: Income Tax of TPL – G (APP) for FY 2024-25

All Figures in Rs. Crore	FY 2024-25
Income Tax	19.92

Non-tariff Income

- 5.42 TPL-G (APP) has projected the non-tariff income of Rs. 18.09 Crore for FY 2024-25 considering the current trend.
- 5.43 The non-tariff income for FY 2024-25 is shown in the table below. TPL-G (APP) submits to the Hon'ble Commission to approve the non-tariff income as proposed.

Table 48: Non-Tariff Income of TPL – G (APP) for FY 2024-25

All Figures in Rs. Crore	FY 2024-25
Non-Tariff Income	18.09

Summary of Fixed Cost

- 5.44 The total fixed cost arrived is provided below for approval of the Hon'ble Commission.

Table 49: Fixed Cost for TPL – G (APP) for FY 2024-25

All Figures in Rs. Crore	FY 2024-25
Interest on term loan	1.44
Depreciation	52.37
O&M expenses	163.67
Water Charges	26.11
Interest on Working Capital	17.21
Return on Equity	64.92
Income Tax	19.92
Less: Non Tariff Income	18.09
Total fixed costs	327.54

Aggregate Revenue Requirement

5.45 The Aggregate Revenue Requirement of TPL – G (APP) for FY 2024-25 is shown in the table below for the approval of the Hon'ble Commission.

Table 50: Aggregate Revenue Requirement of TPL – G (APP) for FY 2024-25

All Figures in Rs. Crore	FY 2024-25
Variable Cost	1,019.66
Interest on term loan	1.44
Depreciation	52.37
O&M expenses	163.67
Water Charges	26.11
Interest on Working Capital	17.21
Return on Equity	64.92
Income Tax	19.92
Less: Non-Tariff Income	18.09
Net ARR	1,347.20

5.46 The Petitioner further submits that any variation in the fuel cost will be recovered through the approved Fuel Surcharge Formula.

Chapter 6: Compliance of Directives

6.1 The Hon'ble Commission has issued directives to the Petitioner in its order dated 31st March, 2023 in Case No. 2178/2023.

6.2 The status on compliance of the directives issued by the Hon'ble Commission is as under.

6.3 DIRECTIVES

1) Phasing out plan for generating units:

The Hon'ble Commission has directed the Petitioner to submit final plan for phasing out, if any, for its generating units and explore cost effective option for replacing such capacity. In this regard, the Petitioner would like to submit that TPL-G (APP) will review the overall situation and keep the Hon'ble Commission apprised on the same.

2) Submission of final proposal with respect to Capex requirement for meeting Environment norms:

The Hon'ble Commission has directed the Petitioner to submit a consolidated plan for Capex for FGD for TPL-G (APP) along with cost benefit analysis with respect to consumers. In this regard, the Petitioner would like to submit that due to small size of projects and Covid-19 situation, no response has been received from the vendors. Further, as per the revised notification of MOEF dated 05.09.2022, exemption is given till 31.12.2027 from SOX emission norms. Considering these aspects, the Petitioner shall assess the requirement and approach the Hon'ble Commission in due course.

Chapter 7: Prayers

- 7.1 The Petitioner is filing the present petition for Truing up of FY 2022-23, determination of Aggregate Revenue Requirement (ARR) for FY 2024-25, and determination of tariff for FY 2024-25 for its generation facilities at Ahmedabad.
- 7.2 In view of facts and circumstances, the Petitioner prays to the Hon'ble Commission that it may be pleased to:
- a) Admit the petition for truing up of FY 2022-23, Aggregate Revenue Requirement for FY 2024-25, and determination of tariff for FY 2024-25.
 - b) Approve the trued up ARR of FY 2022-23 as set out in the petition.
 - c) Approve the sharing of gains/ losses as proposed by the Petitioner for FY 2022-23.
 - d) Approve the Aggregate Revenue Requirement for FY 2024-25.
 - e) Allow recovery of the costs as per the Judgments/ orders of the Hon'ble Tribunal/ Hon'ble Commission in the Appeals/ Review Petitions filed by the Petitioner.
 - f) Allow additions/ alterations/ changes/ modifications to the petition at a future date.
 - g) Permit the Petitioner to file all necessary pleadings and documents in the proceeding and documents from time to time for effective consideration of the proceeding.
 - h) Allow any other relief, order or direction which the Hon'ble Commission deems fit to be issued.
 - i) Condone any inadvertent omissions/ errors/ rounding off difference/ shortcomings.

Declaration that the subject matter of above petition has not been raised by the Petitioner before any other competent forum, and that no other competent forum is currently seized of the matter or has passed any orders in relation thereto.

Place: Ahmedabad
Date: January 12th, 2024



Authorised Signatory

BEFORE THE HON'BLE GUJARAT ELECTRICITY REGULATORY
COMMISSION AT GANDHINAGAR

Filing No. _____

Case No. _____

IN THE MATTER OF

Serial No. A-384 /2024

(PARESH G. BAROT)
NOTARY
GOVT. OF INDIA

12 JAN 2024

Filing of Petition under Section 62 and 64 of the Electricity Act, 2003 read with all the applicable Regulations, under the GERC (Multi Year Tariff) Regulations, 2016 for (i) Truing up of FY 2022-23, (ii) Determination of ARR for FY 2024-25, and (iii) Determination of tariff for FY 2024-25 for its generation facilities at Ahmedabad.

AND

IN THE MATTER OF

Torrent Power Limited

"Samanvay", 600, Tapovan, Ambawadi,

Ahmedabad – 380 015

.....PETITIONER

AFFIDAVIT

I, Jignesh Langalia, son of Shri Dhansukhbhai Langalia, aged about 48 years, working as General Manager of Torrent Power Limited, the Petitioner, having office at "Samanvay", 600, Tapovan, Ambawadi, Ahmedabad – 380 015 do solemnly affirm and state on oath as under :

1. That I am duly authorized by the Petitioner Company to swear this Affidavit.





2.

That the facts stated in the Petition are based on record and files of the Petitioner Company and they are true and correct to my knowledge, information and belief and I believe the same to be true.

Solemnly affirmed at Ahmedabad on this 12th day of January, 2024

[Signature]

(DEPONENT)



SOLEMNLY AFFIRMED
BEFORE ME

[Signature]

(PARESH G. BAROT)
NOTARY
GOVT. OF INDIA

12 JAN 2024



Annexure 1: Tariff Filing Forms – Generation

Torrent Power Limited
Ahmedabad Power Plant
MYT Petition, True-up Petition Formats - Generation

Sr. No.	Title	Reference
1	Aggregate Revenue Requirement - Summary Sheet	Form 1
2	Summary of Tariff Proposal	Form 1.1
3	Operational Parameters - Thermal Generation	Form 2.1
4	Energy Charges - Thermal Generation	Form 2.2
5	Fuel Cost Details - Thermal Generation	Form 2.3
6	Interest on Working Capital - Thermal Generation	Form 2.4
7	Planned & Forced Outages	Form 2.8
8	% Annual Availability of Generating Stations	Form 2.9
9	Summary of Operations and Maintenance Expenses	Form 3
10	Water Charges for the True-up Year	Form 3.A
11	Water Charges for the MYT Period FY 2024-25	Form 3.A.1
12	Normative O&M Expenses	Form 3.1
13	Employee Expenses	Form 3.2
14	Administration & General Expenses	Form 3.3
15	Repair & Maintenance Expenses	Form 3.4
16	Summary of Capital Expenditure and Capitalisation	Form 4
17	Capital Expenditure Plan	Form 4.1
18	Capitalisation Plan	Form 4.2
19	Capital Work in Progress	Form 4.3
20	Assets & Depreciation	Form 5
21	Interest Expenses	Form 6
22	Return on Regulatory Equity	Form 7
23	Non-Tariff Income	Form 8

NOTE:

- (1) Electronic copy in the form of CD containing excel sheets of the Forms shall also be furnished.
- (2) Figures in (-ve) must be shown in Brackets- (...) and figures in (+ve) must be shown without Bracket

Torrent Power Ltd.
MYT Petition, True-up Petition Formats - Generation
Form 1: Aggregate Revenue Requirement - Summary Sheet
Ahmedabad Power Plant

(Rs. Crore)

Sr. No.	Particulars	Reference	True-Up Year (FY 2022-23)		
			Tariff Order	Claimed in Petition	Deviation
			(a)	(b)	(c) = (b) - (a)
1	Fuel Related Expenses	Form 2.2	883.21	1,005.07	121.86
2	Operation & Maintenance Expenses	Form 3	163.60	144.94	-18.66
2.1	Water Charges	Form 3.A & 3.A.1	12.66	23.72	11.06
3	Depreciation	Form 5	50.35	50.11	-0.24
4	Interest Expenses / Interest & Finance Charges on Loan Capital	Form 6	-	1.26	1.26
5	Interest on Working Capital	Form 2.4	12.69	15.27	2.57
6	Special allowance in lieu of Renovation & Modernisation*		NA		
7	SLDC Fees and Charges				
8	Total Revenue Expenditure		1,122.51	1,240.37	117.86
9	Add: Return on Equity	Form 7	61.31	61.14	-0.17
10	Add: Income Tax		20.83	19.92	-0.91
11	Add: Incentive		-	5.70	5.70
12	Less: Non-Tariff Income	Form 8	13.11	18.09	4.98
13	Aggregate Revenue Requirement		1,191.54	1,309.04	117.50

Note: * - Wherever applicable

Torrent Power Ltd.
MYT Petition Formats - Generation
Form 1: Aggregate Revenue Requirement - Summary Sheet
Ahmedabad Power Plant

Sr. No.	Particulars	Reference	MYT Period
			FY 2024-25
			Projected
1	Fuel Related Expenses	Form 2.2	1,019.66
2	Operation & Maintenance Expenses	Form 3	163.67
2.1	Water Charges	Form 3.A & 3.A.1	26.11
3	Depreciation	Form 5	52.37
4	Interest Expenses / Interest & Finance Charges on Loan Capital	Form 6	1.44
5	Interest on Working Capital	Form 2.4	17.21
6	Special allowance in lieu of Renovation & Modernisation		NA
7	SLDC Fees and Charges		
8	Total Revenue Expenditure		1,280.45
9	Add: Return on Equity	Form 7	64.92
10	Add: Income Tax		19.92
11	Less: Non-Tariff Income	Form 8	18.09
12	Aggregate Revenue Requirement		1,347.20

Torrent Power Ltd.
MYT Petition, True-up Petition Formats - Generation
Form 1.1: Summary of Tariff Proposal
Ahmedabad Power Plant

Sr. No.	Particulars	FY 2022-23
1	Capacity (Fixed) Charges (in Rs. Crore)	303.97
2	Energy Charge Rate ex-bus (Rs./kWh)	
a	D Station	4.19
b	E Station	3.87
c	F Station	3.71
3	Other Charges (Rs./kWh)	-

Torrent Power Ltd.
MYT Petition Formats - Generation
Form 1.1: Summary of Tariff Proposal
Ahmedabad Power Plant

Sr. No.	Particulars	MYT Period	Remarks
		FY 2024-25	
		Projected	
1	Capacity (Fixed) Charges (in Rs. Crore)	327.54	
2	Energy Charge Rate ex-bus (Rs./kWh)	4.06	
a	D Station	4.07	
b	E Station	4.06	
c	F Station	4.06	
3	Other Charges (Rs./kWh)		

Torrent Power Ltd.
MYT Petition, True-up Petition Formats - Generation
Form 2.1: Operational Parameters - Thermal Generation
Ahmedabad Power Plant - D station

Sr. No.	Particulars	Unit of Measurement	True-Up Year (FY 2022-23)		
			Tariff Order	April - March (Audited)	Deviation
			(a)	(b)	(c) = (b) - (a)
1	Total Capacity	MW	120	120	-
2	Availability				
2.1	Availability	%	94.29%	91.99%	-2.30%
2.2	Projected Availability	%			
3	Plant Load Factor (PLF)				
3.1	PLF	%	89.10%	85.43%	-3.67%
3.2	Projected PLF	%			
4	Gross Generation				
4.1	Gross Generation	MU	936.67	898.07	(38.60)
4.2	Projected Gross Generation	MU			
5	Auxiliary Consumption				
5.1	Normative Auxiliary Energy Consumption	%	9.00%	8.64%	-0.36%
5.2	Projected Auxiliary Energy Consumption	%			
5.3	Projected Auxiliary Energy Consumption	MU			
5.4	Net Generation	MU	852.37	820.52	(38.74)
6	Gross Station Heat Rate				
6.1	Normative Gross Station Heat Rate	kcal/kWh	2,450	2,446	-3.55
6.2	Projected Gross Station Heat Rate	kcal/kWh			
7	Secondary Fuel Oil Consumption				
7.1	Normative Secondary Fuel Oil Consumption	ml/kWh	1.00	0.42	(0.58)
7.2	Projected Secondary Fuel Oil Consumption	ml/kWh			
8	Lime stone consumption				
	Lignite based stations using CFBC Technology				
8.1	Normative	kg/kWh			-
8.2	Projected	kg/kWh			-
9	Transit and Handling Loss				
9.1	Normative Transit Loss	%	0.80%	0.77%	-0.03%
9.2	Projected Transit Loss	%			
10	Gas Booster Consumption				
10.1	Normative	%			-
10.2	Projected	%			-

* Figures must be as per norms approved in GERC (MYT) Regulations, 2016

Note: Operational data is to be submitted for each Unit of each station separately

Torrent Power Ltd.
MYT Petition, True-up Petition Formats - Generation
Form 2.1: Operational Parameters - Thermal Generation
Ahmedabad Power Plant - E station

Sr. No.	Particulars	Unit of Measurement	True-Up Year (FY 2022-23)		
			Tariff Order	April - March (Audited)	Deviation
			(a)	(b)	(c) = (b) - (a)
1	Total Capacity	MW	121	121	-
2	Availability				
2.1	Availability	%	92.69%	95.30%	2.61%
2.2	Projected Availability	%			
3	Plant Load Factor (PLF)				
3.1	PLF	%	88.40%	90.06%	1.67%
3.2	Projected PLF	%			
4	Gross Generation				
4.1	Gross Generation	MU	936.96	954.64	17.68
4.2	Projected Gross Generation	MU			
5	Auxiliary Consumption				
5.1	Normative Auxiliary Energy Consumption	%	9.00%	7.94%	-1.06%
5.2	Projected Auxiliary Energy Consumption	%			
5.3	Projected Auxiliary Energy Consumption	MU			
5.4	Net Generation	MU	852.63	878.83	17.87
6	Gross Station Heat Rate				
6.1	Normative Gross Station Heat Rate	kcal/kWh	2,455	2,442	(13.00)
6.2	Projected Gross Station Heat Rate	kcal/kWh			
7	Secondary Fuel Oil Consumption				
7.1	Normative Secondary Fuel Oil Consumption	ml/kWh	1.00	0.06	(0.94)
7.2	Projected Secondary Fuel Oil Consumption	ml/kWh			
8	Lime stone consumption				
	Lignite based stations using CFBC Technology				
8.1	Normative	kg/kWh			-
8.2	Projected	kg/kWh			-
9	Transit and Handling Loss				
9.1	Normative Transit Loss	%	0.80%	0.77%	-0.03%
9.2	Projected Transit Loss	%			
10	Gas Booster Consumption				
10.1	Normative	%			-
10.2	Projected	%			-

* Figures must be as per norms approved in GERC (MYT) Regulations, 2016

Note: Operational data is to be submitted for each Unit of each station separately

Torrent Power Ltd.
MYT Petition, True-up Petition Formats - Generation
Form 2.1: Operational Parameters - Thermal Generation
Ahmedabad Power Plant - F station

Sr. No.	Particulars	Unit of Measurement	True-Up Year (FY 2022-23)		
			Tariff Order	April - March (Audited)	Deviation
			(a)	(b)	(c) = (b) - (a)
1	Total Capacity	MW	121	121	-
2	Availability				
2.1	Availability	%	91.89%	92.90%	1.01%
2.2	Projected Availability	%			
3	Plant Load Factor (PLF)				
3.1	PLF	%	88.51%	89.18%	0.68%
3.2	Projected PLF	%			
4	Gross Generation				
4.1	Gross Generation	MU	938.12	945.31	7.19
4.2	Projected Gross Generation	MU			
5	Auxiliary Consumption				
5.1	Normative Auxiliary Energy Consumption	%	9.00%	8.43%	-0.57%
5.2	Projected Auxiliary Energy Consumption	%			
5.3	Projected Auxiliary Energy Consumption	MU			
5.4	Net Generation	MU	853.69	865.63	7.23
6	Gross Station Heat Rate				
6.1	Normative Gross Station Heat Rate	kcal/kWh	2,455	2,409	(45.78)
6.2	Projected Gross Station Heat Rate	kcal/kWh			
7	Secondary Fuel Oil Consumption				
7.1	Normative Secondary Fuel Oil Consumption	ml/kWh	1.00	0.20	(0.80)
7.2	Projected Secondary Fuel Oil Consumption	ml/kWh			
8	Lime stone consumption				
	Lignite based stations using CFBC Technology				
8.1	Normative	kg/kWh			-
8.2	Projected	kg/kWh			-
9	Transit and Handling Loss				
9.1	Normative Transit Loss	%	0.80%	0.77%	-0.03%
9.2	Projected Transit Loss	%			
10	Gas Booster Consumption				
10.1	Normative	%			-
10.2	Projected	%			-

* Figures must be as per norms approved in GERC (MYT) Regulations, 2016

Note: Operational data is to be submitted for each Unit of each station separately

Torrent Power Ltd.
MYT Petition Formats - Generation
Form 2.1: Operational Parameters - Thermal Generation
Ahmedabad Power Plant - D Station

Sr. No.	Particulars	Unit of Measurement	MYT Period	Remarks
			FY 2024-25	
			Projected	
1	Total Capacity	MW	120	
2	Availability			
2.1	Target Availability for full recovery of AFC	%	85.00%	
2.2	Projected Availability	%	82.81%	
3	Plant Load Factor (PLF)			
3.1	Target PLF for Incentive	%	85.00%	
3.2	Projected PLF	%	80.07%	
4	Gross Generation			
4.1	Scheduled Generation	MU		
4.2	Projected Gross Generation	MU	841.74	
5	Auxiliary Consumption			
5.1	Normative Auxiliary Energy Consumption	%	9.00%	
5.2	Projected Auxiliary Energy Consumption	%		
5.3	Projected Auxiliary Energy Consumption	MU		
5.4	Net Generation	MU	765.98	
6	Gross Station Heat Rate			
6.1	Normative Gross Station Heat Rate	kcal/kWh	2,450	
6.2	Projected Gross Station Heat Rate	kcal/kWh		
7	Secondary Fuel Oil Consumption			
7.1	Normative Secondary Fuel Oil Consumption	ml/kWh	1.00	
7.2	Projected Secondary Fuel Oil Consumption	ml/kWh		
8	Lime stone consumption			
	Lignite based stations using CFBC Technology			
8.1	Normative	kg/kWh	NA	
8.2	Projected	kg/kWh		
9	Transit and Handling Loss			
9.1	Normative Transit Loss	%	0.80%	
9.2	Projected Transit Loss	%		
10	Gas Booster Consumption			
10.1	Normative	%	NA	
10.2	Projected	%		

* Figures must be as per norms approved in GERC (MYT) Regulations, 2016

Note: Operational data is to be submitted for each Unit of each station separately

Torrent Power Ltd.
MYT Petition Formats - Generation
Form 2.1: Operational Parameters - Thermal Generation
Ahmedabad Power Plant - E Station

Sr. No.	Particulars	Unit of Measurement	MYT Period	Remarks
			FY 2024-25	
			Projected	
1	Total Capacity	MW	121	
2	Availability			
2.1	Target Availability for full recovery of AFC	%	85.00%	
2.2	Projected Availability	%	92.71%	
3	Plant Load Factor (PLF)			
3.1	Target PLF for Incentive	%	85.00%	
3.2	Projected PLF	%	89.04%	
4	Gross Generation			
4.1	Scheduled Generation	MU		
4.2	Projected Gross Generation	MU	943.78	
5	Auxiliary Consumption			
5.1	Normative Auxiliary Energy Consumption	%	9.00%	
5.2	Projected Auxiliary Energy Consumption	%		
5.3	Projected Auxiliary Energy Consumption	MU		
5.4	Net Generation	MU	858.84	
6	Gross Station Heat Rate			
6.1	Normative Gross Station Heat Rate	kcal/kWh	2,455	
6.2	Projected Gross Station Heat Rate	kcal/kWh		
7	Secondary Fuel Oil Consumption			
7.1	Normative Secondary Fuel Oil Consumption	ml/kWh	1.00	
7.2	Projected Secondary Fuel Oil Consumption	ml/kWh		
8	Lime stone consumption			
	Lignite based stations using CFBC Technology			
8.1	Normative	kg/kWh	NA	
8.2	Projected	kg/kWh		
9	Transit and Handling Loss			
9.1	Normative Transit Loss	%	0.80%	
9.2	Projected Transit Loss	%		
10	Gas Booster Consumption			
10.1	Normative	%	NA	
10.2	Projected	%		

* Figures must be as per norms approved in GERC (MYT) Regulations, 2016

Note: Operational data is to be submitted for each Unit of each station separately

Torrent Power Ltd.
MYT Petition Formats - Generation
Form 2.1: Operational Parameters - Thermal Generation
Ahmedabad Power Plant - F Station

Sr. No.	Particulars	Unit of Measurement	MYT Period	Remarks
			FY 2024-25	
			Projected	
1	Total Capacity	MW	121	
2	Availability			
2.1	Target Availability for full recovery of AFC	%	85.00%	
2.2	Projected Availability	%	94.29%	
3	Plant Load Factor (PLF)			
3.1	Target PLF for Incentive	%	85.00%	
3.2	Projected PLF	%	91.80%	
4	Gross Generation			
4.1	Scheduled Generation	MU		
4.2	Projected Gross Generation	MU	973.00	
5	Auxiliary Consumption			
5.1	Normative Auxiliary Energy Consumption	%	9.00%	
5.2	Projected Auxiliary Energy Consumption	%		
5.3	Projected Auxiliary Energy Consumption	MU		
5.4	Net Generation	MU	885.43	
6	Gross Station Heat Rate			
6.1	Normative Gross Station Heat Rate	kcal/kWh	2,455	
6.2	Projected Gross Station Heat Rate	kcal/kWh		
7	Secondary Fuel Oil Consumption			
7.1	Normative Secondary Fuel Oil Consumption	ml/kWh	1.00	
7.2	Projected Secondary Fuel Oil Consumption	ml/kWh		
8	Lime stone consumption			
	Lignite based stations using CFBC Technology			
8.1	Normative	kg/kWh	NA	
8.2	Projected	kg/kWh		
9	Transit and Handling Loss			
9.1	Normative Transit Loss	%	0.80%	
9.2	Projected Transit Loss	%		
10	Gas Booster Consumption			
10.1	Normative	%	NA	
10.2	Projected	%		

* Figures must be as per norms approved in GERC (MYT) Regulations, 2016

Note: Operational data is to be submitted for each Unit of each station separately

Torrent Power Ltd.
MYT Petition, True-up Petition Formats - Generation
Form 2.2: Energy Charges - Thermal Generation
Ahmedabad Power Plant

Sr. No.	Item	Derivation	Unit	True-Up Year (FY 2022-23)		
				D Station	E Station	F Station
1	Total Capacity	A1	MW	120	121	121
2	Actual PLF	A2	%	85.43%	90.06%	89.18%
3	Gross Generation	$A=A1 \times A2 \times 8760$ or 8784 (leap year)	MUs	898.07	954.64	945.31
4	Auxiliary Consumption	C	%	8.64%	7.94%	8.43%
5	Auxiliary Consumption	B	MUs	77.55	75.81	79.69
6	Net Generation	$Y=A - B$	MUs	820.52	878.83	865.63
7	Station Heat Rate	D	Kcal/KWh	2,446	2,442	2,409
8	Sp. Oil Consumption	E	ml/kWh	0.42	0.06	0.20
9	Gross Calorific Value of Coal	F	kcal/kg	4,630	4,653	4,661
10	Calorific value of Oil	G	kcal/l	10,147	10,134	10,070
11	Overall Heat	$H=A \times D$	G Cal	21,97,087	23,31,237	22,77,472
12	Heat from Oil	$I=(A \times E \times G)/1000$	G Cal	3,801	554	1,868
13	Heat from Coal	$J=H-I$	G Cal	21,93,286	23,30,683	22,75,604
14	Transit losses	K	%	0.77%	0.77%	0.77%
15	Coal Blend					
16	A) Indigenous Coal	X1	%	79%	87%	91%
17	B) Washed Coal	X2	%	-	-	-
18	C) Imported Coal	X3	%	21%	13%	9%
19	Actual Oil Consumption	$L=A \times E$	kl	375	55	186
20	Actual Coal Consumption	$M=(J \times 1000)/F$	MT	4,73,697	5,00,874	4,88,229
21	A) Indigenous Coal	$Q1=M^* \times X1/(1-K)$	MT	3,77,846	4,37,077	4,46,469
22	B) Washed Coal	$Q2=M^* \times X2 / (1-K)$	MT	-	-	-
23	C) Imported Coal	$Q3=M^* \times X3$	MT	98,759	67,160	45,195
24	Price of Coal					
25	A) Indigenous Coal	P1	Rs/MT	5,997	6,027	6,029
26	B) Washed Coal	P2	Rs/MT	-	-	-
27	C) Imported Coal	P3	Rs/MT	11,749	11,670	11,660
28	Price of Oil	P4	Rs/kl	59,421	58,907	59,812
29	Coal cost					
30	A) Indigenous Coal	$N1=Q1 \times P1$	Rs Lakh	22,658	26,342	26,917
31	B) Washed Coal	$N2=Q2 \times P2$	Rs Lakh	-	-	-
32	C) Imported Coal	$N3=Q3 \times P3$	Rs Lakh	11,603	7,838	5,270
33	Total Coal Cost	$N4=N1+N2+N3$	Rs Lakh	34,261	34,179	32,187
34	Oil Cost	$N5=P4 \times L/10^5$	Rs Lakh	223	32	111
35	Other Charges (Please specify details)	N6	Rs Lakh	(134)	(157)	(195)
36	Other Adjustments (Please specify details)	N7	Rs Lakh	-	-	-
37	Total Fuel Cost	$O=N4+N5+N6+N7$	Rs Lakh	34,350	34,055	32,103
38	Fuel Cost/Unit Gross	$P=O/(A^*10)$	Rs/kWh	3.82	3.57	3.40
39	Fuel Cost/Unit Net	$Q=O/(Y^*10)$	Rs/kWh	4.19	3.87	3.71
40	Cost of fuel/G.Cal	$R=(O/H)^*10^5$	Rs/Gcal	1,563	1,461	1,410
41	Actual Net Generation	S	MUs	820.52	878.83	865.63
42	Normative Fuel Cost for actual Net Generation	$T=S^*Q/10$	Rs. Crore	-	-	-

* Should be as per MYT Regulations. If there is any deviation, pls justify.

NOTE: Operational data is to be submitted for each Unit of each station separately

Torrent Power Ltd.
MYT Petition Formats - Generation
Form 2.2: Energy Charges - Thermal Generation
Ahmedabad Power Plant - D Station

Sr. No.	Item	Derivation	Unit	FY 2024-25	Remarks
1	Total Capacity	A1	MW	120	
2	Target PLF	A2	%	80.07%	
3	Gross Generation	$A=A1 \times A2 \times 8760$ or 8784 (leap year)/1000	MUs	841.74	
4	Auxiliary Consumption	C	%	9.00%	
5	Auxiliary Consumption	B	MUs	75.76	
6	Net Generation	$Y=A - B$	MUs	765.98	
7	Station Heat Rate	D	Kcal/KWh	2,450	
8	Sp. Oil Consumption	E	ml/kWh	1.00	
9	Gross Calorific Value of Coal	F	kcal/kg	4,208	
10	Calorific value of Oil	G	kcal/l	10,106	
11	Overall Heat	$H=A \times D$	G Cal	20,62,256	
12	Heat from Oil	$I=(A \times E \times G)/1000$	G Cal	8,507	
13	Heat from Coal	$J=H-I$	G Cal	20,53,749	
14	Transit losses	K	%	0.80%	
15	Coal Blend				
16	A) Indigenous Coal	X1	%	72%	
17	B) Washed Coal	X2	%	-	
18	C) Imported Coal	X3	%	28%	
19	Actual Oil Consumption	$L=A \times E$	kl	842	
20	Actual Coal Consumption	$M=(J \times 1000)/F$	MT	4,88,092	
21	A) Indigenous Coal	$Q1=M* \times X1/(1-K)$	MT	3,56,713	
22	B) Washed Coal	$Q2=M* \times X2 / (1-K)$	MT	-	
23	C) Imported Coal	$Q3=M* \times X3$	MT	1,34,233	
24	Price of Coal				
25	A) Indigenous Coal	P1	Rs/MT	5,569	
26	B) Washed Coal	P2	Rs/MT	-	
27	C) Imported Coal	P3	Rs/MT	9,147	
28	Price of Oil	P4	Rs/kl	55,984	
29	Coal cost				
30	A) Indigenous Coal	$N1=Q1 \times P1/10^5$	Rs Lakh	19,867	
31	B) Washed Coal	$N2=Q2 \times P2/10^5$	Rs Lakh	-	
32	C) Imported Coal	$N3=Q3 \times P3/10^5$	Rs Lakh	12,278	
33	Total Coal Cost	$N4=N1+N2+N3$	Rs Lakh	32,145	
34	Oil Cost	$N5=P4 \times L/10^5$	Rs Lakh	471	
35	Other Charges (Please specify details)	N6	Rs Lakh	(1,443)	
36	Other Adjustments (Please specify details)	N7	Rs Lakh	-	
37	Total Fuel Cost	$O=N4+N5+N6+N7$	Rs Lakh	31,173	
38	Fuel Cost/Unit Gross	$P=O/(A*10)$	Rs/kWh	3.70	
39	Fuel Cost/Unit Net	$Q=O/(Y*10)$	Rs/kWh	4.07	
40	Cost of fuel/G.Cal	$R=(O/H)*10^5$	Rs/Gcal	1,512	

NOTE: Operational data is to be submitted for each Unit of each station separately

Torrent Power Ltd.
MYT Petition Formats - Generation
Form 2.2: Energy Charges - Thermal Generation
Ahmedabad Power Plant - E Station

Sr. No.	Item	Derivation	Unit	FY 2024-25	Remarks
1	Total Capacity	A1	MW	121	
2	Target PLF	A2	%	89.04%	
3	Gross Generation	$A=A1 \times A2 \times 8760 \text{ or } 8784 \text{ (leap year)}/1000$	MUs	943.78	
4	Auxiliary Consumption	C	%	9.00%	
5	Auxiliary Consumption	B	MUs	84.94	
6	Net Generation	$Y=A - B$	MUs	858.84	
7	Station Heat Rate	D	Kcal/KWh	2,455	
8	Sp. Oil Consumption	E	ml/kWh	1.00	
9	Gross Calorific Value of Coal	F	kcal/kg	4,189	
10	Calorific value of Oil	G	kcal/l	10,106	
11	Overall Heat	$H=A \times D$	G Cal	23,16,988	
12	Heat from Oil	$I=(A \times E \times G)/1000$	G Cal	9,538	
13	Heat from Coal	$J=H-I$	G Cal	23,07,450	
14	Transit losses	K	%	0.80%	
15	Coal Blend				
16	A) Indigenous Coal	X1	%	75%	
17	B) Washed Coal	X2	%	-	
18	C) Imported Coal	X3	%	25%	
19	Actual Oil Consumption	$L=A \times E$	kl	944	
20	Actual Coal Consumption	$M=(J \times 1000)/F$	MT	5,50,893	
21	A) Indigenous Coal	$Q1=M^* \times X1/(1-K)$	MT	4,16,825	
22	B) Washed Coal	$Q2=M^* \times X2 / (1-K)$	MT	-	
23	C) Imported Coal	$Q3=M^* \times X3$	MT	1,37,403	
24	Price of Coal				
25	A) Indigenous Coal	P1	Rs/MT	5,569	
26	B) Washed Coal	P2	Rs/MT	-	
27	C) Imported Coal	P3	Rs/MT	9,147	
28	Price of Oil	P4	Rs/kl	55,984	
29	Coal cost				
30	A) Indigenous Coal	$N1=Q1 \times P1/10^5$	Rs Lakh	23,214	
31	B) Washed Coal	$N2=Q2 \times P2/10^5$	Rs Lakh	-	
32	C) Imported Coal	$N3=Q3 \times P3/10^5$	Rs Lakh	12,568	
33	Total Coal Cost	$N4=N1+N2+N3$	Rs Lakh	35,783	
34	Oil Cost	$N5=P4 \times L/10^5$	Rs Lakh	528	
35	Other Charges (Please specify details)	N6	Rs Lakh	(1,438)	
36	Other Adjustments (Please specify details)	N7	Rs Lakh	-	
37	Total Fuel Cost	$O=N4+N5+N6+N7$	Rs Lakh	34,873	
38	Fuel Cost/Unit Gross	$P=O/(A^*10)$	Rs/kWh	3.70	
39	Fuel Cost/Unit Net	$Q=O/(Y^*10)$	Rs/kWh	4.06	
40	Cost of fuel/G.Cal	$R=(O/H)^*10^5$	Rs/Gcal	1,505	

NOTE: Operational data is to be submitted for each Unit of each station separately

Torrent Power Ltd.
MYT Petition Formats - Generation
Form 2.2: Energy Charges - Thermal Generation
Ahmedabad Power Plant - F Station

Sr. No.	Item	Derivation	Unit	FY 2024-25	Remarks
1	Total Capacity	A1	MW	121	
2	Target PLF	A2	%	91.80%	
3	Gross Generation	$A=A1 \times A2 \times 8760 \text{ or } 8784 \text{ (leap year)}/1000$	MUs	973.00	
4	Auxiliary Consumption	C	%	9.00%	
5	Auxiliary Consumption	B	MUs	87.57	
6	Net Generation	$Y=A - B$	MUs	885.43	
7	Station Heat Rate	D	Kcal/KWh	2,455	
8	Sp. Oil Consumption	E	ml/kWh	1.00	
9	Gross Calorific Value of Coal	F	kcal/kg	4,184	
10	Calorific value of Oil	G	kcal/l	10,106	
11	Overall Heat	$H=A \times D$	G Cal	23,88,704	
12	Heat from Oil	$I=(A \times E \times G)/1000$	G Cal	9,833	
13	Heat from Coal	$J=H-I$	G Cal	23,78,870	
14	Transit losses	K	%	0.8%	
15	Coal Blend				
16	A) Indigenous Coal	X1	%	76%	
17	B) Washed Coal	X2	%	-	
18	C) Imported Coal	X3	%	24%	
19	Actual Oil Consumption	$L=A \times E$	kl	973	
20	Actual Coal Consumption	$M=(J \times 1000)/F$	MT	5,68,538	
21	A) Indigenous Coal	$Q1=M^* \times X1/(1-K)$	MT	4,33,532	
22	B) Washed Coal	$Q2=M^* \times X2 / (1-K)$	MT	-	
23	C) Imported Coal	$Q3=M^* \times X3$	MT	1,38,475	
24	Price of Coal				
25	A) Indigenous Coal	P1	Rs/MT	5,569	
26	B) Washed Coal	P2	Rs/MT	-	
27	C) Imported Coal	P3	Rs/MT	9,147	
28	Price of Oil	P4	Rs/kl	55,984	
29	Coal cost				
30	A) Indigenous Coal	$N1=Q1 \times P1/10^5$	Rs Lakh	24,145	
31	B) Washed Coal	$N2=Q2 \times P2/10^5$	Rs Lakh	-	
32	C) Imported Coal	$N3=Q3 \times P3/10^5$	Rs Lakh	12,666	
33	Total Coal Cost	$N4=N1+N2+N3$	Rs Lakh	36,811	
34	Oil Cost	$N5=P4 \times L/10^5$	Rs Lakh	545	
35	Other Charges (Please specify details)	N6	Rs Lakh	(1,436)	
36	Other Adjustments (Please specify details)	N7	Rs Lakh	-	
37	Total Fuel Cost	$O=N4+N5+N6+N7$	Rs Lakh	35,920	
38	Fuel Cost/Unit Gross	$P=O/(A^*10)$	Rs/kWh	3.69	
39	Fuel Cost/Unit Net	$Q=O/(Y^*10)$	Rs/kWh	4.06	
40	Cost of fuel/G.Cal	$R=(O/H)^*10^5$	Rs/Gcal	1,504	

NOTE: Operational data is to be submitted for each Unit of each station separately

Torrent Power Ltd.
MYT Petition, True-up Petition Formats - Generation
Form 2.3: Fuel Cost Details - Thermal Generation
Ahmedabad Power Plant

Sr. No.	Particulars	Unit	True-Up Year (FY 2022-23) - Indigenous			True-Up Year (FY 2022-23) - Imported		
			Tariff Order	April-March (Audited)	Deviation	Tariff Order	April-March (Audited)	Deviation
			(a)	(b)	(c) = (b) - (a)	(a)	(b)	(c) = (b) - (a)
1	Basic Cost	Rs/MT	5,156	3,473	862	6,427	10,958	5,277
2	Freight	Rs/MT		2,545			746	
3	Freight Surcharge, if applicable	Rs/MT			-			-
4	Fuel Handling Charges	Rs/MT			-			-
5	Taxes and Duties (pl. specify details)	Rs/MT			-			-
6	Any other charges (pl. specify details)	Rs/MT		(59)	(59)		120	120
7	Total Price excluding Transit & Handling Loss	Rs/MT	5,156	5,960	804	6,427	11,824	5,397
8	Transit & Handling Loss	%	0.80%	0.77%	-0.03%	0.00%	0.00%	0.00%
9	Total Price including Transit & Handling Loss	Rs/MT	5,198	6,006	808	6,427	11,824	5,397

Torrent Power Ltd.
MYT Petition Formats - Generation
Form 2.3: Fuel Cost Details - Thermal Generation
Ahmedabad Power Plant
Indigenous Coal

Sr. No.	Particulars	Unit	MYT Period	Remarks
			FY 2024-25	
			Projected	
1	Basic Cost	Rs/MT	3,114	
2	Freight	Rs/MT	2,455	
3	Freight Surcharge, if applicable	Rs/MT		
4	Fuel Handling Charges	Rs/MT		
5	Taxes and Duties (pl. specify details)	Rs/MT		
6	Any other charges	Rs/MT	(418)	
7	Total Price excluding Transit & Handling Loss	Rs/MT	5,151	
8	Transit & Handling Loss	%	0.80%	
9	Total Price including Transit & Handling Loss	Rs/MT	5,193	

Torrent Power Ltd.
MYT Petition Formats - Generation
Form 2.3: Fuel Cost Details - Thermal Generation
Ahmedabad Power Plant

Imported Coal

Sr. No.	Particulars	Unit	MYT Period	Remarks
			FY 2024-25	
			Projected	
1	Basic Cost	Rs/MT	8,415	
2	Freight	Rs/MT	732	
3	Freight Surcharge, if applicable	Rs/MT		
4	Fuel Handling Charges	Rs/MT		
5	Taxes and Duties	Rs/MT		
6	Any other charges	Rs/MT	178	
7	Total Price excluding Transit & Handling Loss	Rs/MT	9,325	
8	Transit & Handling Loss	%	0.00%	
9	Total Price including Transit & Handling Loss	Rs/MT	9,325	

Torrent Power Ltd.
MYT Petition, True-up Petition Formats - Generation
Form 2.4: Interest on Working Capital - Thermal Generation
Ahmedabad Power Plant

A. True-Up Year (FY 2022-23)

(Rs. Crore)

Sr. No.	Particulars	Norm	True-Up Year (FY 2022-23)	
			Tariff Order	True-Up Petition
1	Target Availability (%)		85.00%	85.00%
2	Actual Generation (MU)		2,811.75	2,798.03
3	Cost of Coal/Lignite ¹	1.5 months	106.65	121.92
4	Cost of Oil ²			
5	Cost of Secondary Fuel Oil ¹	2 months	1.80	2.67
6	Fuel Cost ³			
7	Liquid Fuel Stock ³			
8	O&M expenses	1 month	13.63	12.08
9	Maintenance Spares	1% of GFA	11.55	11.56
10	Receivables			
11	Total Working Capital Requirement		133.63	148.23
12	Computation of Working Capital Interest			
13	Interest Rate (%)		9.50%	10.30%
14	Interest on Working Capital		12.69	15.27
15	Actual Working Capital Interest as per Audited Accounts	Not Applicable		

Note:

- 1 For Coal based/Lignite based generating stations
- 2 For Oil based generating stations
- 3 For Gas Turbine/Combined Cycle generating stations taking into account the mode of operation on gas fuel and liquid fuel

Torrent Power Ltd.
MYT Petition Formats - Generation
Form 2.4: Interest on Working Capital - Thermal Generation
Ahmedabad Power Plant

(Rs. Crore)

Sr. No.	Particulars	Norm	MYT Control Period
			FY 2024-25
			Projected
1	Target Availability (%)		85.00%
2	Generation (MU)		2,758.52
3	Cost of Coal/Lignite ¹	1.5 months	128.31
4	Cost of Oil ²		-
5	Cost of Secondary Fuel Oil ¹	2 months	2.52
6	Fuel Cost ³		-
7	Liquid Fuel Stock ³		-
8	O&M expenses	1 month	13.64
9	Maintenance Spares	1% of GFA	11.94
10	Receivables		-
11	Total Working Capital Requirement		156.41
	Computation of Working Capital Interest		
12	Interest Rate (%)		11.00%
13	Interest on Working Capital		17.21

Note:

1 For Coal based/Lignite based generating stations

2 For Oil based generating stations

3 For Gas Turbine/Combined Cycle generating stations taking into account the mode of operation on gas fuel and liquid fuel

Torrent Power Limited
MYT Petition, True-up Petition Formats - Generation
Form 2.8: Planned & Forced Outages
Ahmedabad Power Plant

Sr. No.	Particulars	True-Up Year (FY 2022-23)
		Actual
1	D station	
A. Planned Outages		
	No of days of outage	13.38
	Period of Outage	24-10-2022 00:13 to 06-11-2022 09:24
	Reasons for Outage	Unit under boiler annual survey
B. Forced Outages		
1	No of hrs. of outage	22.88
	Period of Outage	03-04-2022 01:57 to 04-04-2022 00:50
	Reasons for Outage	Unit shutdown for "Generator inspection"
2	No of hrs. of outage	1.58
	Period of Outage	09-04-2022 22:05 to 09-04-2022 23:40
	Reasons for Outage	Unit tripped on MFT(Flame failure)
3	No of hrs. of outage	78.72
	Period of Outage	11.06.2022 20:49 to 15.06.2022 03:32
	Reasons for Outage	Unit under forced outage due to pressure part leakage (MMS/LAB)
4	No of hrs. of outage	1.77
	Period of Outage	06.07.2022 09:12 to 06.07.2022 10:58
	Reasons for Outage	Unit Tripped on MFT-Loss of all Fuel
5	No of hrs. of outage	1.55
	Period of Outage	09.07.2022 05:11 to 09.07.2022 06:44
	Reasons for Outage	Unit Tripped on MFT-Loss of all Fuel
6	No of hrs. of outage	1.48
	Period of Outage	11.07.2022 01:48 to 11.07.2022 03:17
	Reasons for Outage	Unit Tripped on MFT-Loss of all Fuel
7	No of hrs. of outage	2.95
	Period of Outage	13.07.2022 14:37 to 13.07.2022 17:34
	Reasons for Outage	Unit tripped on class-A- Bus zone protection
8	No of hrs. of outage	46.22
	Period of Outage	27.08.2022 19:25 to 29.08.2022 17:38
	Reasons for Outage	Unit shutdown to attend Boiler pressure part leakage
9	No of hrs. of outage	2.08
	Period of Outage	07.12.2022 10:04 to 07.12.2022 12:09
	Reasons for Outage	Unit Tripping on MFT "Loss of All fuel"
10	No of hrs. of outage	85.37
	Period of Outage	29.12.2022 02:45 to 01.01.2023 16:07
	Reasons for Outage	Unit under shutdown for attend Pressue Part Leakage
11	No of hrs. of outage	81.2
	Period of Outage	19.01.2023 06:10 to 22.01.2023 15:22
	Reasons for Outage	Unit under shutdown for attend Pressue Part Leakage
12	No of hrs. of outage	1.48
	Period of Outage	13.03.2023 14:42 to 13.03.2023 16:11
	Reasons for Outage	Unit Tripped on MFT-Loss of all Fuel
2	E station	
A. Planned Outages		
	No of days of outage	16.75
	Period of Outage	07.11.2022 00:04 to 23.11.2022 18:14
	Reasons for Outage	Unit under boiler annual survey
B. Forced Outages		
1	No of hrs. of outage	Nil
	Period of Outage	
	Reasons for Outage	
3	F station	
A. Planned Outages		
	No of days of outage	18.89
	Period of Outage	27.11.2022 00:00 to 15.12.2022 21:20
	Reasons for Outage	Unit under boiler annual survey
B. Forced Outages		
1	No of hrs. of outage	3.38
	Period of Outage	01.05.2022 01:01 to 01.05.2022 04:24
	Reasons for Outage	Unit tripped on MFT(Drum level very low)
2	No of hrs. of outage	25.07
	Period of Outage	10.06.2022 02:45 to 11.06.2022 03:49
	Reasons for Outage	Unit under forced outage due to turbine side valve gland leakage
3	No of hrs. of outage	3.80
	Period of Outage	13.07.2022 14:37 to 13.07.2022 18:25
	Reasons for Outage	Unit tripped on class-A- Bus zone protection
4	No of hrs. of outage	1.72
	Period of Outage	10.11.2022 21:21 to 10.11.2022 23:04
	Reasons for Outage	Unit tripped on MFT-Flame Failure
5	No of hrs. of outage	1.05
	Period of Outage	10.11.2022 23:16 to 11.11.2022 00:19
	Reasons for Outage	Unit tripped on class-B Exhaust hood Temp high
6	No of hrs. of outage	41.82
	Period of Outage	17.11.2022 09:52 to 19.11.2022 03:41
	Reasons for Outage	Unit forced shutdown to attend Pressure part Leakage
7	No of hrs. of outage	64.67
	Period of Outage	21.12.2022 22:45 to 24.12.2022 15:25
	Reasons for Outage	Unit under shutdown for attend Pressue Part Leakage
8	No of hrs. of outage	14.08
	Period of Outage	07.03.2023 06:40 to 07.03.2023 20:45
	Reasons for Outage	Unit Tripped on MFT-Loss of all Fuel

Note: Details of outages should be submitted for each Unit of each station separately.

Torrent Power Ltd.
MYT Petition Formats - Generation
Form 2.8: Planned & Forced Outages
Ahmedabad Power Plant

Sr. No.	Particulars	MYT Control Period
		FY 2024-25
		Projected
1	D station	
	Planned Outages (No. of Days)	55
2	E station	
	Planned Outages (No. of Days)	18
3	F station	
	Planned Outages (No. of Days)	12

Torrent Power Limited
MYT Petition, True-up Petition Formats - Generation
Form 2.9: % Annual PAF & PLF of Generating Stations
Ahmedabad Power Plant

True-Up Year (FY 2022-23)

Sr. No.	Generating Station	PAF	PLF
1	D Station	91.99%	85.43%
2	E Station	95.30%	90.06%
3	F Station	92.90%	89.18%

Torrent Power Ltd.
MYT Petition, True-up Petition Formats - Generation
Form 3: Operations and Maintenance Expenses Summary
Ahmedabad Power Plant

(Rs. Crore)

Sr. No.	Particulars	Reference	True-Up Year (FY FY 2022-23)			Remarks
			Tariff Order	Petition	Deviation	
			(a)	(b)	(c) = (b) - (a)	
1	O&M Expenses					
1.1	Employee Expenses			48.86		
1.2	A&G Expenses		163.60	19.61	-18.66	
1.3	R&M Expenses			76.47		
2	Total Operation & Maintenance Expenses (Net of Capitalisation)		163.60	144.94	-18.66	

Form 3.A: Water Charges for the True-Up Year (FY 2022-23)

Sr. No.	Name of Generating Station	Generation in MU	Water consumption in Cub.Mtr.	Water consumption in Cub.Mtr./MU	Rate of water in Rs./Cub.Mtr.	Amount of water charges in Rs. Crore	Tariff Order	April-March (Audited)	Deviation	Remarks
		(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h) = (f) - (g)	
1	Ahmedabad Power Plant	2,798.03	85,42,502	3,053	27.77	23.72	12.66	23.72	-11.06	

Torrent Power Ltd.
MYT Petition Formats - Generation
Form 3: Operations and Maintenance Expenses Summary
Ahmedabad Power Plant

(Rs. Crore)

Sr. No.	Particulars	Reference	MYT Control Period	Remarks
			FY 2024-25	
			Projected	
1	O&M Expenses	Form 3.1	163.67	
1.1	Employee Expenses		63.06	
1.2	A&G Expenses		22.22	
1.3	R&M Expenses		78.39	
2	Total Operation & Maintenance Expenses (Net of Capitalisation)		163.67	

Form 3.A.1: Water Charges for the MYT Period FY 2024-25

Sr. No.	Name of Generating Station	Projected Gross Generation in MU	Projected water consumption in Cub.Mtr. per MU	Projected rate of water in Rs./Cub.Mtr.	Projected cost of water consumption in Rs. Crore
	FY 2024-25	2,758.52	3,200	29.58	26.11

Torrent Power Ltd.
MYT Petition Formats - Generation
Form 3.1: Normative O&M Expenses
Ahmedabad Power Plant

A. For Existing Generating Stations

(Rs. Crore)

Sr. No.	Particulars	Approved/ Actual O&M Expense			3-Year Average	Normative*	MYT Control Period
		FY 2020-21	FY 2021-22	FY 2022-23		FY 2023-24	FY 2024-25
		(a)	(b)	(c)	(d)= [(a)+(b)+ (c)]/3	(e)	Normative\$
1	Employee Expenses	54.62	56.63	48.86	53.37	59.65	63.06
2	A&G Expenses	17.29	19.52	19.61	18.81	21.02	22.22
3	R & M Expenses	54.51	68.03	76.47	66.34	74.14	78.39
4	Total O&M Expenses	126.42	144.18	144.94	138.51	154.81	163.67

Notes: This form should be submitted for each station separately alongwith separate details for H.O. Expenses

* Normative O&M expenses for FY 2023-24 to be computed by escalating (d) by 5.72% twice

\$ Normative O&M expenses for each Year of the Control Period to be computed by escalating (e) by 5.72% year on year

Torrent Power Ltd.
MYT Petition, True-up Petition Formats - Generation
Form 3.2: Employee Expenses
Ahmedabad Power Plant

Expenditure details

(Rs. Crore)

Sr. No.	Particulars	True-Up Year (FY 2022-23)		
		April-March (Audited)		
		Regulated Business	Non-regulated Business	Total (Audited)
1	Salaries,Wages & Bonus	55.92	-	55.92
2	Employees Welfare expenses	2.61	-	2.61
3	Commission to Non-Executive Directors	0.15	-	0.15
4	Contribution to provident and other funds	3.50	-	3.50
5	Gratuity	2.78	-	2.78
6	Compensated absenses	2.14	-	2.14
7	Gross Employee Expenses	67.10	-	67.10
8	Less: Expenses allocated to capital works, repairs and other relevant revenue accounts	16.72	-	16.72
9	Less: Expenses pertaining to retired stations	0.00		0.00
10	Add: Remeasurement of the defined benefit plans	-1.52	-	-1.52
11	Net Employee Expenses	48.86	-	48.86
12	Total Gross Generation in MU	2,798.03	-	2,798.03
13	Employees Cost / Unit	0.17	-	0.17

Torrent Power Ltd.
MYT Petition, True-up Petition Formats - Generation
Form 3.3: Administration & General Expenses
Ahmedabad Power Plant

(Rs. Crore)

Sr. No.	Particulars	True-Up Year (FY 2022-23)		
		April-March (Audited)		
		Regulated Business	Non-regulated Business	Total (Audited)
1	Rates & Taxes	2.05	-	2.05
2	Insurance	3.77	-	3.77
3	Legal charges	1.15	-	1.15
4	Professional and Consultancy fees		-	
5	Electricity expenses	0.92	-	0.92
6	Water charges	23.72	-	23.72
7	Security expenses	2.83	-	2.83
8	Vehicle Running Expenses	0.28	-	0.28
9	Miscellaneous Expenses	3.77	-	3.77
10	Loss on sale of fixed assets	0.51	-	0.51
11	Directors' sitting fees	0.04	-	0.04
12	Statutory Auditors' remuneration	0.11	-	0.11
13	Consumption of Stores & Spares	23.41	-	23.41
14	Rent and Hire charges	0.01	-	0.01
15	Corporate social responsibility expenses	-	-	-
16	Gross A &G Expenses	62.57	-	62.57
17	Less: Expenses Capitalised	17.97	-	17.97
18	Less: Water charges	23.72	-	23.72
19	Less: Corporate social responsibility expenses	-	-	-
20	Less: Expenses pertaining to retired stations	0.02	-	0.02
21	Less: Advertisement Expenses	0.03	-	0.03
22	Less: Sponsorship Expenses	0.00	-	0.00
23	Less: Provision carried forward	0.25	-	0.25
24	Less: Amount written off	-	-	-
25	Less: Insurance claim receipt*	2.00	-	2.00
26	Add: Lease payments	1.03	-	1.03
27	Net A &G Expenses	19.61	-	19.61

* Receipt of the claim made as per Note-23 of the Audited Accounts

Torrent Power Ltd.
MYT Petition, True-up Petition Formats - Generation
Form 3.4: Repair & Maintenance Expenses
Ahmedabad Power Plant

(Rs. Crore)		
Sr. No.	Particulars	True-Up Year (FY 2022-23)
1	Plant & Machinery	72.58
2	Buildings	2.31
3	Others	1.72
4	Gross R&M Expenses	76.61
5	Less: Expenses pertaining to retired stations	0.14
6	Net R&M Expenses	76.47
7	Gross Fixed Assets at beginning of year	1,156.47
8	R&M Expenses as % of GFA at beginning of year	6.61%

Torrent Power Ltd.
MYT Petition, True-up Petition Formats - Generation
Form 4: Summary of Capital Expenditure and Capitalisation
Ahmedabad Power Plant

(Rs. Crore)

Sr. No.	Particulars	True-Up Year (FY2022-23)
		April-March (Audited)
		Actual
1	Capital Expenditure	22.30
2	Capitalisation	22.19
3	IDC	-
4	Capitalisation + IDC	22.19

Note: Detail Justification shall be provided for variation in Total vis-a-vis actual capital expenditure and capitalisation

Torrent Power Ltd.
MYT Petition, True-up Petition Formats - Generation
Form 4: Summary of Capital Expenditure and Capitalisation
Ahmedabad Power Plant

(Rs. Crore)

Sr. No.	Particulars	MYT Control Period	Remarks
		2024-25	
		Projected	
1	Capital Expenditure	109.15	
2	Capitalisation	123.08	
3	IDC	-	
4	Capitalisation + IDC	123.08	

Torrent Power Ltd.
MYT Petition, True-up Petition Formats - Generation
Form 4.1: Capital Expenditure Plan

Project Details

(Rs. Crore)

Project Number	Project Title	CAPITAL EXPENDITURE
FY 2022-23		
	Normal Capital Expenditure Schemes	22.15
	Miscellaneous Capital Expenditure	0.15
Total		22.30

Torrent Power Ltd.
MYT Petition, True-up Petition Formats - Generation
Form 4.1: Capital Expenditure Plan

Project Details

(Rs. Crore)

Project Code	Project Title	Project Purpose	Project Start Date	Project Completion date (Scheduled)	Cost of the Project
	Normal Capital Expenditure Schemes				106.34
	Miscellaneous Capital Expenditure				2.81
Total					109.15

Project Details

(Rs. Crore)

Project Number	Project Title	Capital Expenditure
		FY 2024-25
		Projected
	Normal Capital Expenditure Schemes	106.34
	Miscellaneous Capital Expenditure	2.81
Total		109.15

Financing Plan

(Rs. Crore)

Project Number	SOURCE OF FINANCING FOR CAPITAL EXPENDITURE						
	Internal Accruals	Equity	Debt				
			Loan Amount	Interest Rate (% p.a.)	Tenure of Loan (years)	Moratorium Period (years)	Loan Source
FY 2024-25		32.75	76.41	8.55%		-	

Torrent Power Ltd.
MYT Petition, True-up Petition Formats - Generation
Form 4.2: Capitalisation Plan

(Rs. Crore)

Sr. No.	Project Code/ Project Title	Debt Equity Ratio	Date of Completion	Benefits in Quantified Terms	Capital Expenditure	Capitalisation
					Actual	Actual
					FY 2022-23	FY 2022-23
1	Normal Capital Expenditure Schemes	70/30				
	Boiler Works				5.64	5.89
	Turbine Works				1.43	1.43
	Electrical Works				2.36	1.71
	C&I Works				10.27	10.07
	Civil Works				1.05	1.01
	Others				1.40	2.00
	Sub Total				22.15	22.11
2	Miscellaneous Capital Expenditure				0.15	0.08
	Total				22.30	22.19

Torrent Power Ltd.
MYT Petition Formats - Generation
Form 4.2: Capitalisation Plan

Project Details

(Rs. Crore)

Sr. No.	Project Code/ Project Title	Debt Equity Ratio	Date of Completion	Benefits in Quantified Terms	Capital Expenditure	Capitalisation
					Projected	Projected
					FY 2024-25	FY 2024-25
1	Normal Capital Expenditure Schemes	70/30				
	Boiler Works				11.28	12.99
	Turbine Works				45.71	44.91
	Electrical Works				28.88	32.70
	C&I Works				3.79	12.45
	CHP Works				7.75	7.75
	Civil Works				4.10	4.10
	Others				4.83	5.37
	Sub Total (II)				106.34	120.27
2	Miscellaneous Capital Expenditure				2.81	2.81
	TOTAL				109.15	123.08

Torrent Power Ltd.
MYT Petition, True-up Petition Formats - Generation
Form 4.3: Capital Work-in-progress - Project-wise details

(Rs. Crore)										
Sr. No.	Project Code	Cumulative Expenditure Incurred	Expenditure Capitalised	Opening CWIP	Investment during the year	Capital Work in Progress				Closing CWIP
						Works Capitalised	Interest Capitalised	Expenses Capitalised	Total Capitalisation	
FY 2022-23										
	Boiler Works	6.45		0.81	5.64				5.89	0.56
	Turbine Works	1.43			1.43				1.43	-
	Electrical Works	2.97		0.61	2.36				1.71	1.26
	C&I Works	10.27			10.27				10.07	0.20
	Civil Works	1.23		0.18	1.05				1.01	0.22
	Others	2.44		1.04	1.40	-			2.00	0.44
	Misc.	0.15		-	0.15				0.08	0.07
	Total	24.94		2.64	22.30			-	22.19	2.75

Torrent Power Ltd.
MYT Petition Formats - Generation
Form 4.3: Capital Work-in-progress - Project-wise details

(Rs. Crore)										
Sr. No.	Project Code	Cumulative Expenditure Incurred	Expenditure Capitalised	Opening CWIP	Investment during the year	Capital Work in Progress				Closing CWIP
						Works Capitalised	Interest Capitalised	Expenses Capitalised	Total Capitalisation	
FY 2024-25										
	Boiler Works				11.28				12.99	
	Turbine Works				45.71				44.91	
	Electrical Works				28.88				32.70	
	C&I Works				3.79				12.45	
	CHP Works				7.75				7.75	
	Civil Works				4.10				4.10	
	Others				4.83				5.37	
	Misc.				2.81				2.81	
	Total				109.15				123.08	

Torrent Power Ltd.
MYT Petition, True-up Petition Formats - Generation
Form 5: Assets & Depreciation
Ahmedabad Power Plant

Fixed Assets and Depreciation For 2022-23

(Rs. Crore)

Particulars	Gross Block				Depreciation				Applicable rate of Depreciation (%)	Net Block	
	As at the beginning of the Financial Year	Additions	Deductions	As at the end of the Financial Year	As at the beginning of the Financial Year	Additions	Deductions	As at the end of the Financial Year		As at the beginning of the Financial Year	As at the end of the Financial Year
Land	16.69	-	-	16.69	-	-	-	-	0.00%/1.01%	16.69	16.69
Buildings	43.70	1.59	-	45.29	14.64	1.41	-	16.05	1.80%/3.60%/3.34%/5.28%	29.06	29.24
Railway Siding	2.42	-	-	2.42	0.93	0.04	-	0.97	1.8%/5.28%	1.49	1.45
Plant & Machinery	1,066.19	20.02	2.13	1,084.08	601.66	47.20	1.46	647.40	2.57%/3.60%/6.00%/5.28%	464.53	436.68
Electrical Fittings and apparatus	6.15	0.25	0.02	6.38	3.40	0.31	0.02	3.69	6%/6.33%	2.75	2.69
Furniture & Fixtures	3.76			3.76	2.09	0.21		2.30	6%/6.33%	1.67	1.46
Office Equipments	8.61	0.33	1.66	7.28	5.37	0.46	1.49	4.34	6%/5.28%/6.33%	3.24	2.94
Vehicles	1.00		-	1.00	0.53	0.06	-	0.59	18%/9.50%	0.47	0.41
Intangible Assets - Softwares	7.95		-	7.95	7.20	0.42	-	7.62	16.21%/15%/33.33%/30%	0.75	0.33
TOTAL	1,156.47	22.19	3.81	1,174.85	635.82	50.11	2.97	682.96		520.65	491.89

Torrent Power Ltd.
MYT Petition Formats - Generation
Form 5: Assets & Depreciation
Ahmedabad Power Plant

Fixed Assets and Depreciation For 2024-25

(Rs. Crore)

Particulars	Gross Block				Depreciation				Applicable rate of Depreciation (%)	Net Block	
	As at the beginning of the Financial Year	Additions	Deductions	As at the end of the Financial Year	As at the beginning of the Financial Year	Additions	Deductions	As at the end of the Financial Year		As at the beginning of the Financial Year	As at the end of the Financial Year
Land	16.69	-		16.69	-	-		-	0.00%	16.69	16.69
Buildings	45.53	-		45.53	17.51	1.46		18.97	1.80%/3.60%/3.34%/5.28%	28.02	26.56
Hydraulic works	-	-		-	-	-		-		-	-
Railway Siding	2.42	-		2.42	1.02	0.05		1.07	1.80%/5.28%	1.40	1.35
Plant & Machinery	1,102.81	123.08		1,225.89	692.70	49.85		742.55	2.57%/3.60%/6.00%/5.28%	410.11	483.34
Electrical Fittings and apparatus	6.78	-		6.78	3.96	0.26		4.22	6.00%/6.33%	2.82	2.56
Furniture & Fixtures	3.81	-		3.81	2.49	0.18		2.67	6.00%/6.33%	1.32	1.14
Office Equipments	7.24	-		7.24	4.74	0.39		5.13	6.00%/5.28%/6.33%	2.50	2.11
Vehicles	0.99	-		0.99	0.66	0.07		0.73	18.00%/9.50%	0.33	0.26
Intangible Assts - Softwares	7.95	-		7.95	7.84	0.11		7.95	16.21%/15.00%/33.33%/30%	0.11	-
TOTAL	1,194.22	123.08	-	1,317.30	730.92	52.37	-	783.29		463.30	534.01

Torrent Power Ltd.
MYT Petition, True-up Petition Formats - Generation
Form 6: Interest Expenses
Ahmedabad Power Plant

A. Normative Loan

(Rs. Crore)

Sr. No.	Source of Loan	True-Up Year (FY 2022-23)		
		Tariff Order	April-March (Audited)	Deviation
		(a)	(b)	(c) = (b) - (a)
1	Opening Balance of Normative Loan	-	-	-
2	Less: Reduction of Normative Loan due to retirement or replacement of assets	-	(0.30)	(0.30)
3	Addition of Normative Loan due to capitalisation during the year	20.96	15.53	(5.43)
4	Repayment of Normative loan during the year	50.35	50.11	(0.24)
5	Closing Balance of Normative Loan	(29.39)	-	29.39
6	Average Balance of Normative Loan	-	-	-
7	Weighted average Rate of Interest on actual Loans (%)	7.85%	7.62%	-0.23%
8	Interest Expenses	-	-	-
9	Finance Charges	-	1.26	1.26
10	Total Interest & Finance Charges	-	1.26	1.26

Torrent Power Ltd.
MYT Petition Formats - Generation
Form 6: Interest Expenses

A. Normative Loan

(Rs. Crore)

Sr. No.	Source of Loan	MYT Control	Remarks
		FY 2024-25	
		Projected	
1	Opening Balance of Normative Loan	-	
2	Less: Reduction of Normative Loan due to retirement or replacement of assets	-	
3	Addition of Normative Loan due to capitalisation during the year	86.16	
4	Repayment of Normative loan during the year	52.37	
5	Closing Balance of Normative Loan	33.79	
6	Average Balance of Normative Loan	16.89	
7	Weighted average Rate of Interest on actual Loans (%)	8.55%	
8	Interest Expenses	1.44	
9	Finance Charges	-	
10	Total Interest & Finance Charges	1.44	

Torrent Power Ltd.
MYT Petition, True-up Petition Formats - Generation
Form 7: Return on Regulatory Equity
Ahmedabad Power Plant

(Rs. Crore)

Sr. No.	Particulars	Legend	True-Up Year (FY 2022-23)		
			Norm	Tariff Order	Claimed in Petition
1	Regulatory Equity at the beginning of the year	A		433.41	433.93
2	Capitalisation during the year	B		29.94	22.19
3	Equity portion of capitalisation during the year	C		8.98	6.66
4	Reduction in Equity Capital on account of retirement / replacement of assets	D		-	1.14
5	Regulatory Equity at the end of the year	E=A+C-D		442.39	439.44
	Return on Equity Computation				
6	Return on Regulatory Equity at the beginning of the year	F		60.68	60.75
7	Return on Regulatory Equity addition during the year	$G=(C-D)/2$		0.63	0.39
8	Total Return on Equity			61.31	61.14

Torrent Power Ltd.
MYT Petition Formats - Generation
Form 7: Return on Regulatory Equity

(Rs. Crore)

Sr. No.	Particulars	Legend	MYT Control Period
			FY 2024-25
			Projected
1	Regulatory Equity at the beginning of the year	A	445.26
2	Capitalisation during the year	B	123.08
3	Equity portion of capitalisation during the year	C	36.92
4	Reduction in Equity Capital on account of retirement / replacement of assets	D	-
5	Regulatory Equity at the end of the year	E=A+C-D	482.18
	Return on Equity Computation		
6	Return on Regulatory Equity at the beginning of the year	F	62.34
7	Return on Regulatory Equity addition during the year	$G=(C-D)/2$	2.58
8	Total Return on Equity		64.92

Torrent Power Ltd.
MYT Petition, True-up Petition Formats - Generation
Form 8: Non-Tariff Income
Ahmedabad Power Plant

(Rs. Crore)

Sr. No.	Particulars	Reference	True-Up Year (FY 2022-23)			Remarks
			MYT Order	April-March (Audited)	Deviation	
			(a)	(b)	(c) = (b) - (a)	
1	Insurance claim receipt			2.00		
2	Provisions of earlier years' written back			0.00		
3	Misc Income			17.80		
4	Profit on sale of fixed assets			0.41		
5	Total		13.11	20.21		
6	Less: Insurance claim receipt & Misc.			2.12		
7	Net Total		13.11	18.09	4.98	

Torrent Power Ltd.
MYT Petition Formats - Generation
Form 8: Non-Tariff Income
Ahmedabad Power Plant

(Rs. Crore)

Sr. No.	Particulars	Reference	MYT Control Period	Remarks
			FY 2024-25	
			Projected	
1	Income from Rents of land or buildings			
2	Income from Sale of Scrap		-	
3	Income from statutory investments			
4	Income from sale of ash/rejected coal		18.09	
5	Interest income on advances to suppliers/contractors			
6	Income from Rental from staff quarters			
7	Income from Rental from contractors			
8	Income from hire charges from contractors and others			
9	Income from advertisements, etc.			
10	Prior Period Income etc.			
11	Others (Pls. specify)			
12	Total		18.09	