

Pragati Power Corporation Limited

(An Undertaking of Govt. of NCT of Delhi)

Corporate Identity Number (CIN) -U74899DL2001SGC 109135
(Regd. Off: "Himadri", Rajghat Power House Complex, New Delhi-110002)

No. PPCL/Comml./2024-25/F.12/ 171

Dt. 20.12.2024

The Secretary
Delhi Electricity Regulatory Commission,
Viniyamak Bhawan, C-Block,
Shivalik, Malviya Nagar,
NEW DELHI-110 017.

To, Secretary
1+5 sets
DD Rs. 100000/-
DD No. 851379



Subject: Filing of Tariff Petition under section 62 of the Electricity Act, 2003 for truing up of tariff for FY 2023-24 and determination of tariff & ARR for FY 2025-26 for PPS-I Station.

Ref: DERC letter No. F.3(738)/Tariff/DERC/2024-25/8240/1783 dt 11.12.2024.

Sir,

Please find enclosed herewith the petition for truing up of tariff for FY 2023-24 and ARR for FY 2025-26 of PPS-I station (six sets).

The filing fees of Rupees One Lakh vide Demand Draft No.851379 dated 07.12.2024 in favour of Secretary, DERC drawn on SBI, RPH for the said petition is also enclosed.

We shall be glad to provide any other information as may be desired by the Hon'ble Commission in reference to the petition enclosed.

Thanking you,

Yours faithfully,

(Sahendra Singh)
General Manager (Commercial)

Encl: As above

23/12/24

**BEFORE THE HON'BLE DELHI ELECTRICITY REGULATORY
COMMISSION**

Petition No:

IN THE MATTER Filing of Tariff Petition under section 62 (2) of the
OF Electricity Act, 2003 for truing up of tariff for FY
2023-24 and determination of tariff & ARR for FY
2025-26 of PPS-I Station.

AND

IN THE MATTER Pragati Power Corporation Limited
OF Regd. Office "Himadri", Rajghat Power House Complex,
New Delhi - 110002

...PETITIONER

INDEX

S. No.	Description	Page No.
1.	Affidavit	1-2
2.	Submissions	3-27
6.	DERC filled Forms	28-51

Filed by:



Pragati Power Corporation Limited

PETITIONER

Place: New Delhi

Date: 19.12.2024



सत्यमेव जयते

INDIA NON JUDICIAL

Government of National Capital Territory of Delhi

₹10

e-Stamp

₹10 ₹10 ₹10 ₹10

Certificate No. : IN-DL97029169341260W
Certificate Issued Date : 04-Dec-2024 03:59 PM
Account Reference : IMPACC (IV)/ dl782603/ DELHI/ DL-DLH
Unique Doc. Reference : SUBIN-DL78260341232375284723W
Purchased by : PPCL
Description of Document : Article 4 Affidavit
Property Description : Not Applicable
Consideration Price (Rs.) : 0
(Zero)
First Party : PPCL
Second Party : Not Applicable
Stamp Duty Paid By : PPCL
Stamp Duty Amount(Rs.) : 10
(Ten only)

सत्यमेव जयते



₹10

Please write or type below this line IN-DL97029169341260W

BEFORE THE HON'BLE DELHI ELECTRICITY REGULATORY COMMISSION,
NEW DELHI

IN THE MATTER OF Filing of Tariff Petition under section 62 of the Electricity Act, 2003 for truing up of tariff for FY 2023-24 and determination of tariff & ARR for FY 2025-26 of PPS-I Station.

IN THE MATTER OF Pragati Power Corporation Limited
Regd. Office "Himadri", Rajghat Power House Complex,
New Delhi - 110 002

Statutory Alert:

1. The authenticity of this Stamp certificate should be verified at 'www.shcilestamp.com' or using e-Stamp Mobile App of Stock Holding.
2. Any discrepancy in the details on this Certificate and as available on the website / Mobile App renders it invalid.
3. The onus of checking the legitimacy is on the users of the certificate.
3. In case of any discrepancy please inform the Competent Authority.

1

AFFIDAVIT VERIFYING DOCUMENTS/INFORMATION

I, Amit Ahuja S/o Sh. K.L. Ahuja aged about 56 years, Resident of A-27, Saraswati Vihar, Pitampura, Delhi -110034, working as Director (Technical) in the Petitioner Company, do hereby solemnly affirm and state as follows:

1. That I am duly authorized by the petitioner company to make this affidavit on its behalf.
2. That the statements made in the petition are based on the provisional records of the company except in the case of estimates wherever made in the said documents, are based on the assumptions and believed by me to be true to the best of my knowledge and be read as part and parcel of this affidavit and the same are not reproduced here for the sake of brevity and nothing has been concealed therefrom.
3. That the Annexures are true copy of the Original.

Amit Ahuja
Director (Tech.)
Pragati Power Corporation Ltd.
DEPONENT
'Himadri', RPH Office Complex,
Rajghat, New Delhi-110002

VERIFICATION

I, the deponent above-named, do hereby verify the contents of the above affidavit to be true to the best of my knowledge, no part of it is false and nothing material has been concealed therefrom.

19 DEC 2024
Verified at New Delhi on thisday of December 2024.

ATTESTED



Azad Kumar
BY NOTARY PUBLIC
NEW DELHI (INDIA)
AZAD KUMAR - Adv.

Amit Ahuja
DEPONENT
Director (Tech.)
Pragati Power Corporation Ltd.
'Himadri', RPH Office Complex,
Rajghat, New Delhi-110002

19 DEC 2024 **CABIN No.-33**
ITO Lane, Azad Bhawan Road,
New Delhi-110002

BEFORE THE HON'BLE DELHI ELECTRICITY REGULATORY COMMISSION

Petition No. : of 2024

**IN THE MATTER OF Filing of tariff Petition under section 62 (2) of the
Electricity Act, 2003 for truing up of expenses for FY
2023-24 and determination of ARR & Tariff for FY 2025-
26 of PPS-I station.**

AND

IN THE MATTER OF Pragati Power Corporation Limited

**Regd. Office "Himadri", Rajghat Power House Complex,
New Delhi - 110002**

PETITIONER

THE APPLICANT ABOVE NAMED RESPECTFULLY SUBMITS

Table of Contents

Chapter 1 : Background.....	6
1.1 Introduction	6
Chapter 2 : Submissions	8
2.1 Brief of Submissions	8
Chapter 3 : Norms for Operation.....	10
3.1 Operational Norms	10
3.2 Gross Generation and Net Generation	12
Chapter 4 : Energy Charge Rate and Fuel Cost	13
4.1 Fuel Consumption	13
4.2 Energy Charge Rate and Fuel Cost.....	13
Chapter 5 : Estimation of Fixed Cost.....	15
5.1 Parameters for Fixed Cost	15
5.2 Operation and Maintenance Expenses	15
5.3 Capital Expenditure.....	18
5.4 Depreciation.....	20
5.5 Working Capital	21
5.6 Requirement of Loan and Equity.....	23
5.7 Return on Capital Employed.....	24
5.8 Summary of Fixed Cost.....	26
Chapter 6: Prayer	27
6.1 Prayer	27

List of Tables

TABLE 3-1: NORMS OF OPERATION	10
TABLE 3-2: ACTUAL PARAMETERS ACHIEVED BY THE STATION	10
TABLE 3-3: ACTUAL AND PROPOSED OPERATIONAL PARAMETERS	12
TABLE 3-4: GROSS AND NET GENERATION	12
TABLE 4-1: TOTAL GAS CONSUMPTION	13
TABLE 4-2: FUEL PARAMETERS CONSIDERED FOR DETERMINATION OF ECR	14
TABLE 4-3: ENERGY CHARGE RATE AND FUEL COST	14
TABLE 5-1: O&M EXPENSES (RS IN CR.)	15
TABLE 5-2: O & M EXPENSES	17
TABLE 5-3: CAPEX SCHEMES FOR FY 2023-24 (RS IN CR.)	18
TABLE 5-4: CAPITAL EXPENDITURE (RS IN CR.)	19
TABLE 5-5: DETAILS OF DEPRECIATION (RS. IN CR.)	20
TABLE 5-6: FUEL PARAMETERS CONSIDERED FOR DETERMINATION OF WORKING CAPITAL	21
TABLE 5-7: REQUIREMENT OF WORKING CAPITAL (RS IN CR.)	22
TABLE 5-8: REQUIREMENT OF LOAN & EQUITY (RS IN CR.)	23
TABLE 5-9: COMPUTATION OF ROCE (RS IN CR.)	25
TABLE 5-10: ANNUAL FIXED COST (RS IN CR.)	26

Chapter 1 : Background

This Chapter deals with the background of this Petition.

1.1 Introduction

1. "Pragati Power Corporation Ltd." (PPCL) is a Generating Company engaged in the business of Power generation as per Companies Act, 1956 which now repealed by Companies Act, 2013 and is wholly owned by the Government of National Capital Territory of Delhi, which operates the Pragati Power Station-I with a total capacity of 330 MW and Pragati Power Station-III with a total capacity of 1371.2 MW CCGT plant at Bawana in Delhi. The tariff of PPS-III Bawana is determined by Hon'ble Central Electricity regulatory commission (CERC) as it supplies power in more than one state.
2. PPS-I was commissioned in the year 2002-03 in combined cycle to meet the peak demand of Delhi and will complete its useful life in FY 2028-29. It consists of two gas turbines of 104 MW each, using NG/RLNG as fuel and one STG (Steam Turbines of 122 MW).
3. The Electricity Act, 2003 was notified on 10th June, 2003 repealing the Indian Electricity Act-1910, the Electricity (Supply) Act, 1948 and the E.R.C. Act, 1998. As per Section 86 (1)(a) of the Electricity Act, the State Commission shall discharge the function of determining the tariff for generation, supply, transmission and wheeling of electricity, wholesale, bulk or retail as the case may be within the state. The generation, transmission and distribution tariff have to be determined separately.
4. As per section 61 of the Electricity Act, 2003 the appropriate Commission shall, subject to the provisions of this Act, specify the terms and conditions for the determination of tariff and as per section 62 of the Electricity Act, 2003 the appropriate Commission shall determine the tariff in accordance with the provisions of this act.
5. Delhi Electricity Regulatory Commission (hereinafter referred to as 'DERC' or the 'Commission') was constituted by the GNCTD on 03.03.1999 and it

became operational from 10.12.1999. Accordingly, the State Commission (hereinafter referred as 'DERC') determines the tariff of Pragati Power Station-I which supply power within the Delhi states only.

6. As per Regulation 8 of DERC (Terms and Conditions for determination of tariff) Regulations, 2017, the generating entity has to file the Tariff petition before DERC at least 150 days prior to the end of the relevant financial year and hence the last date to submit the petition was 01.11.2024. It is submitted that the PPCL accounts for the FY 2023-24 has not been finalized till date due to which there is delay in filing this petition. Therefore, petitioner prays humble request to the Hon'ble Commission to condone the delay and kindly allow the present petition.
7. The Petitioner is filing the present petition in line with the provisions of DERC Tariff Regulations, 2017 and DERC Business Plan Regulations, 2023 for truing up of tariff for FY 2023-24 and determination of ARR & tariff for FY 2025-26 based on projections. It is further submitted that since the PPCL accounts have not been finalised, therefore, Petitioner is filing the present petition on provisional basis and requests the Hon'ble Commission to admit the petition and allow to submit additional submission as and when accounts will be finalised.

Chapter 2 : Submissions

This Chapter lays down the modality of making submissions to the Hon'ble Commission in support of the Prayers made out as under.

2.1 Brief of Submissions

8. PPS-I proposes to make submissions to the Hon'ble Commission in support of this Petition as under:
 - * Operational Parameters for Pragati Power Station-I
 - * Financial Parameters for Pragati Power Station-I
 - * Capital Expenditure for Pragati Power Station-I
 - * Prayer
9. It is submitted that the norms for heat rate as specified in DERC Business Plan Regulation, 2023 were not achievable due to part load operation of the units, less scheduling by Delhi SLDC, etc. The part load operation of the units resulting in non optimization of fuel consumption which affects the Heat Rate and APC of the Station. The PLF of the plant in FY 2023-24 is very low i.e. 29.00% against the availability of 98.61%. Thus, it is requested to Hon'ble Commission to allow the heat rate and APC on actual basis, as there is a direct loss on account of recovery of lesser fuel cost when operated under part load operation.
10. This non-scheduling of power may leads to instability in the grid and also leads to non-utilization of contracted gas quantity resulting in the liability of Take or Pay clause on DISCOMs as per existing Gas agreement. Therefore, the operation of Delhi Generating stations is essential in Delhi to meet the critical power load and to avoid any power crisis situation. Accordingly, Must run status may be assigned to PPS-I.
11. It is further submitted that there has been no change in the operational parameters till date since the Hon'ble Commission started determining the tariff of PPS-I station. However, in BPR 2023, the Hon'ble Commission

instead of increasing the Heat Rate and APC, same has been reduced. The Hon'ble Commission ignored the provisions of CERC Tariff Regulations as well as the circumstances in which PPS-I have been operating. The Hon'ble Commission did not consider the plea of the petitioner that the station is very old i.e. i.e. completed its useful life of more than 22 years and due to age of the machines, there are some technical constraints which affects the heat rate as well as auxiliary power consumption of the station.

12. It is submitted that contrary to the orders of Hon'ble Commission in BPR, 2023 petitioner has filed a writ petition no. 15425 of 2023 before Hon'ble High Court of Delhi. Therefore, Petitioner is filing present petition without prejudice to the outcome in existing case on above matters.
13. It is further submitted that contrary to the orders of Hon'ble Commission on certain issues in Petition no. 12 of 2019, 05 of 2020 and 06 of 2021, Petitioner has filed an APPEAL no. 393 of 2019, 12 of 2021 and 484 of 2023 before Hon'ble Appellate Tribunal for Electricity. Therefore, Petitioner is filing present petition without prejudice to the outcome in existing case on above matters.
14. Based on the above submission Petitioner request Hon'ble Commission to invoke its power of relaxation wherever required in the petition.

Chapter 3 : Norms for Operation

Petitioner has taken into consideration the actual performance parameters for trueing up of tariff for FY 2023-24 and estimated for FY 2025-26.

3.1 Operational Norms

15. The Hon'ble Commission vide its Business Plan Regulations, 2023 has allowed the operating Norms for PPS-I as under:-

Table 3-1: Norms of Operation

S.No.	Particulars	UoM	FY 23-24 to FY 25-26
A	Heat Rate (CC)	(kCal/ kWh)	1975
B	Heat Rate (OC)	(kCal/ kWh)	2900
C	APC	%	2.30
D	Availability	%	90
E	PLF	%	85

16. However during FY 2023-24, PPS-I station could not achieve the normative parameters approved by the Hon'ble Commission due to frequent Start/Stops of the units and less scheduling by Delhi SLDC. The details of the same areas under:-

Table 3-2: Actual Parameters achieved by the Station

S.No.	Particulars	UoM	FY 23-24 to FY 25-26
A	Heat Rate (CC)	(kCal/ kWh)	2021
B	Heat Rate (OC)	(kCal/ kWh)	3178
C	APC	%	2.746
D	Availability	%	98.61
E	PLF	%	29.04

From the above table it is clear that the PLF of the station during FY 2023-24 was very low i.e. only 29%. However the availability of the station as certified by SLDC was 98.61%. Thus, there has been substantial gap between Availability and PLF of the station which has adversely affected the operating parameters of the station.

17. It is submitted that PPS-I station has sufficient gas to achieve the target PLF of 85% during FY 2023-24. Still the station did not run due to irregular scheduling by Delhi SLDC, due to which Heat Rate and APC was on higher side as compared to normative Heat Rate and APC allowed by the Commission.
18. CEA has also recognized that the operation efficiency or heat rate and other performance parameters of a Thermal Power Station depends on a number of factors which can be broadly classified as under:-
- a) Technology and equipment
 - b) Ambient Conditions
 - c) Fuel Quality
 - d) Plant operation and maintenance practices.
 - e) Unit Sizes
19. Central Electricity Regulatory Commission (Indian Electricity Grid Code) (Fourth Amendment) Regulations, 2016 refers about Technical minimum schedule for operation of power stations. The technical minimum schedule for operation shall be 55% of MCR loading or installed capacity of the unit of at generating station. The CGS or ISGS may be directed by concerned RLDC/SLDC to operate its unit(s) at or above the technical minimum but below the normative plant availability factor on account of grid security or due to the fewer schedules given by the beneficiaries.
20. Further, CERC in its tariff regulations for FY 2019-24 has fixed a Heat rate of 2050 kCal/kWh in combined cycle mode and 3010 kCal/kWh in open cycle mode for similar Kawas GPS gas based station of NTPC which consists of similar class of gas turbines as of PPS-I.
21. As per clause (f) of the National Tariff Policy, 2005, relaxed norms are to be provided for below par old stations. The relevant extracts of the policy which is reproduced as under:

"In case where operations have been much below the norms for many previous years, the SERC's may fix relaxed norms suitably and draw a transition path over the time for achieving the norms notified by the Central Commission."

22. In view of above, Hon'ble Commission is requested to relax the operational norms for PPS-I station and allowed the same for FY 2023-24 and for FY 2025-26 as under:-

Table 3-3: Actual and Proposed Operational Parameters

S.No.	Particulars	UoM	FY 23-24	FY 25-26
A	Heat Rate (CC)	(kCal/ kWh)	2021	2050
B	Heat Rate (OC)	(kCal/ kWh)	3178	3010
C	APC	%	2.746	2.75
D	Availability	%	98.61	90
E	PLF	%	29.04	85

3.2 Gross Generation and Net Generation

23. On the basis of above, the Gross and Net Generation of PPS-I station during FY 2023-24 and FY 2025-26 is shown here as under:-

Table 3-4: Gross and Net Generation

Sr.No.	Description	UoM	FY 23-24	FY 25-26	Remarks
A	Plant Capacity	MW	330	330	
B	NAPLF	%	29.04	85	
C	No. of Days	No.	366	365	
D	Gross Gen.	MU	841.644	2457.180	$\frac{A \times B \times C \times 24}{100000}$
E	Aux. Cons.	%	2.746	2.75	
F	Aux. Cons.	MU	23.11	67.57	$F = D \times E$
G	Net Gen.	MU	818.530	2389.608	$G = D - F$

Chapter 4 : Energy Charge Rate and Fuel Cost

This Chapter deals with the fuel sources of PPS-I and its consumption throughout the year along with the fuel cost arrived for the year FY 2023-24 and estimated for FY 2025-26.

4.1 Fuel Consumption

24. Pragati Power Station-I has a long-term existing agreement with GAIL for supply of Gas. Earlier, PPS-I was having contracted quantity of 1.75 MMSCMD of APM Gas. This gas was sufficient to run both the Gas Turbines on base load. However, w.e.f 16-06-2021, there is 100% cut to Domestic Gas supply to all the Gas based Power Plants in India including PPS-I on direction of MOP&NG. Further, PPCL had an agreement with GAIL for supply of 0.2 MMSCM of R-LNG gas on take and pay basis. To meet the shortfall in gas supply, Petitioner has time to time signed the GSPN for SPOT Gas.

25. Hon'ble Commission is requested to take the note of above and direct Delhi SLDC to run the PPS-I station to consume atleast 90% of contracted RLNG gas so as to avoid Take or Pay Liability on DISCOMs.

26. Based upon the scheduling, the consumption of R-LNG gas for FY 2023-24 is shown as under:

Table 4-1: Total Gas Consumption

Description	UoM	FY 23-24
R-LNG Gas	MMSCM	1,79.75074

4.2 Energy Charge Rate and Fuel Cost

27. The Commission has specified the formula for computation of energy charge rate in Tariff Regulations, 2017 as follows:

“103. Energy charge rate (ECR) in Rupees per kWh on ex-power plant basis shall be determined to three decimal places in accordance with the following formulae:

(b) For gas and liquid fuel based stations

$$ECR = GHR \times LPPF \times 100 / \{CVPF \times (100 - AUX)\}$$

Where, ECR = Energy charge rate, in Rupees per kWh sent out;

GHR = Gross station heat rate, in kCal per kWh;

LPPF = Weighted average landed price of primary fuel

AUX = Normative auxiliary energy consumption in percentage;

CVPF = Weighted Average Gross calorific value of primary fuel as received.

28. The prices of the domestic gases are determined by the GoI whereas the price of imported gas is driven by market fundamentals in the LNG market worldwide and is varying every year. Therefore, petitioner has computed the landed Price of Primary fuel and Gross Calorific Value as per the information available in Form 15 for the months of Jul-24, Aug-24 and Sep-24 to determine the projected fuel cost for FY 2025-26 as under:-

Table 4-2: Fuel Parameters considered for determination of ECR

Sr. No	Particulars	UoM	Jul-24	Aug-24	Sep-24
A	Quantum	000'SCM	24902.26	24025.548	12314.961
B	Cost	Rs Cr	123.73	117.773	61.791
C	GCV	kCal/ SCM	9369.609	9365.971	9350.615
D	Average LPPF	Rs/ SCM	49.523		
E	Weighted Average GCV	kCal/ SCM	9364.362		

29. The details of actual fuel cost incurred during FY 2023-24 and estimated for FY 2025-26 is depicted in the following table as under:

Table 4-3: Energy Charge Rate and Fuel Cost

Particulars	Unit	FY 23-24	FY 25-26
Total Gas Cons.	MMSCM	179.750737	537.91372
Avg. Landed Price of Fuel	Rs./ SCM	47.086	49.523
Weighted Average GCV	kCal/ SCM	9470.026	9364.362
Total Gas Cost	Rs. Crore	846.369	2663.92
Net Generation	MU	818.530	2389.608
Variable Cost - CC	Rs./kWh	10.33	11.148

Chapter 5 : Estimation of Fixed Cost

This chapter deals with the fixed cost parameters achieved for FY 2023-24 & projected for FY 2025-26 as per DERC (Terms and Conditions for determination of Tariff) Regulations 2017 and Business Plan Regulations, 2023.

5.1 Parameters for Fixed Cost

33. As per DERC (Terms and conditions for determination of tariff) Regulation 2017 and Business Plan regulation 2023, the annual fixed cost (AFC) of a Generating Entity shall consist of the following components as specified in these Regulations:

- (a) Return on Capital Employed;
- (b) Depreciation; and
- (c) Operation and Maintenance expenses;

5.2 Operation and Maintenance Expenses

34. Hon'ble Commission has specified the Normative Operation and Maintenance expenses in DERC Business Plan Regulations, 2023 for the period from FY 2023-24 to FY 2025-26 as under:

Table 5-1: O&M Expenses (Rs in Cr.)

Station	FY 2023-24	FY 2024-25	FY 2025-26
PPS-I	77.80	81.42	85.21

33. Hon'ble Commission in Business Plan Regulations, 2019 & 2023 allowed the additional Repair & Maintenance expenses on account of Dry Low NO_x (DLN) burners and Sewage Treatment Plant (STP) on actual basis during the Control Period after Prudence Check at the time of True-Up on submission of Documentary Evidence.

34. It is submitted that PPS-I plant consists of DLN Burner to control the NO_x level. It is an advance technology which enables the machine to produce low level of NO_x than the permissible limits. The critical components of DLN burner are exposed to high temperature of around 1100°C to 1150°C

and require large amount of expenditure to maintain. The expenditure on account of DLN burner and its critical components are required to be incurred by the PPS-I for the smooth operations of the plant and to achieve the target level of generation.

35. The maintenance activities of Gas Turbines are cyclic in nature and depend upon the running hours of the machines. The expenditure incurred during the maintenance activities varies depending upon the type of inspections carried out on the machines. All the inspections and overhauling of the machines are done as per the manufactures recommendation.

36. There are three kinds of Inspection carried out as per the recommendation of OEM which are Combustion Inspection (CI), Hot Gas Path Inspection (HGPI), Major Inspection (MI). Generally, Combustion Inspection (CI) is carried out after operation of around 8000 Hours, Hot Gas Path Inspection (HGPI) after operation of 24000 Hours and Major Inspection (MI) is carried out after operation of 48000 Hours of Gas Turbines. Because of cyclic nature of maintenance activity, the O&M expenses particularly the Repair & Maintenance expenses will be higher in one year and may be lower in other year.

37. In FY 2021-22, PPS-I has incurred an expenditure of Rs 65.58 Cr on account of DLN burner and critical components of Gas Turbine of GT#2 machine due to completion of running hrs of the machine. However, in FY 2022-23, PPS-I has incurred an expenditure of Rs 0.20 Cr only and in FY 2023-24, PPS-I has incurred an expenditure of Rs 0.06 Cr only on account of DLN burner. Further, it is expected that Major Inspection will be carried out of GT#1 in FY 2025-26. Therefore, Hon'ble Commission is requested to allow the estimated cost of Rs 90.00 Cr as additional R&M expenses on account of MI of GT#1 expected to be carried out during FY 2025-26.

38. It is submitted that generation of Electricity requires uninterrupted supply of raw water. Raw water requirement for Pragati Power Station (PPS-1) is

being met from two Sewage Treatment Plants (10 MLD Each) situated at Sen Nursing Home Nalla and Delhi Gate Nalla" (SNH&DGN). As per National Electricity Tariff Policy, all the expenditure related to sewage treated water of generating plants will be recovered through tariff. The actual expenditure on this account relates to operation, electricity, Chemicals etc.

39.PPS-I has incurred an expenditure of Rs 3.86 Cr in FY 2023-24 on Sewage Treatment Plants. On an average in the last five years, PPS-I has incurred an expenditure of Rs 4.00 Cr approx per year for getting raw water from Sewage Treatment Plant. Therefore, Hon'ble Commission is requested to allow the expenditure of Rs 3.86 Cr on account of STP for FY 2023-24 and Rs 4.00 Cr for FY 2025-26.

40.In view of above, Hon'ble Commission is requested to allow the O&M expenses for FY 2023-24 and projected for FY 2025-26 as under:-

Table 5-2: O & M Expenses

S.No.	Particulars	UoM	FY 23-24	FY 25-26
A	Base O&M expenses	Rs Cr.	77.80	85.21
B	DLN Burner for the period	Rs Cr.	0.06	90.00
C	STP	Rs Cr.	3.86	4.00
D	Total O&M Expenses	Rs Cr.	81.72	179.21

5.3 Capital Expenditure

41. Hon'ble Commission has approved the Closing Gross Fixed Asset of Rs. 1052.70 Cr and closing accumulated depreciation of Rs 850.30 Cr. for FY 2020-21 vide DERC tariff order dated 19.07.2024. Further, Petitioner has submitted the details of capitalization and de-capitalization of assets during FY 2021-22 and FY 2022-23 in the true-up petition. Therefore, Petitioner has considered the same while working out the GFA for FY 2023-24 and FY 2025-26.

42. The Hon'ble Commission in its Business Plan Regulations, 2023 has allowed the Capital expenditure for the control period FY 2023-24 to FY 2025-26 as under:-

"7. CAPITAL INVESTMENT PLAN

(1) The tentative Capital Investment plan for the Generation Entity for FY 2023-24 to FY 2025-26 is as follows:

Table 2: Capital Investment plan (Rs. Crore)

Sr. No.	Plant	FY 2023-24	FY 2024-25	FY 2025-26
1.	Gas Turbine Power Station (GTPS)	25	5	0
2.	Pragati Power Station (PPS-I)	36	2	0

43. From the above table it has been clear that the Hon'ble Commission has approved the CAPEX schemes of Rs 36.00 Cr during FY 2023-24 and Rs 2.00 Cr during FY 2024-25. Out of total CAPEX amounting to Rs 36.00 Cr, petitioner has incurred an expenditure of Rs 11.09 Cr towards Capex in FY 2023-24. Rests of the schemes have been spilled over to FY 2024-25 and FY 2025-26 for execution after approval from the Board. The details of the Schemes implemented during FY 2023-24 are shown here as under:-

Table 5-3: Capex Schemes for FY 2023-24 (Rs in Cr.)

S. N o.	Item/ Scheme	Amount claimed inclusive of tax for FY 23-24	Purchase order No.	Remarks
1	Retrofitting of Generator/Transformer Protection Relays with Numerical Relays including Design, Engineering, Installation, Testing & Commissioning of the steam turbine generating unit of PPS-1.	0.36	4010005540	The copies of the PO has been collectively placed and marked as Annexure A.

Tariff Petition for True-up of Expenses of PPS-I for FY 2023-24 & ARR for FY 2025-26

2	Upgradation of DDC pro control system along with Turbovisory system, special modules of turbine Governing & HP/LP Bypass system & SOE of STG at PPS-1.	10.73	4010005506	
Total Amount		11.09		

44. Further an amount of Rs 0.124 Cr has been capitalized towards Bought out assets and an amount of Rs 2.20 Cr has been capitalized in the books during FY 2023-24 as per IND-AS. Hon'ble Commission is requested to allow the expenses towards Capital Spares additionally in line with CERC Regulations, 2019. The details of the same have been furnished in the Tariff forms. Therefore, Hon'ble Commission is requested to approve the additional capitalization of Rs 13.41 Cr (Rs 11.09 Cr + Rs 0.124 Cr + Rs 2.20 Cr) during FY 2023-24.

45. Further, an amount of Rs. 0.68 Cr. has been de-capitalized towards consumption of Capital spares during FY 2023-24. Since these assets/capital spares were not initially capitalized/allowed as part of GFA by Hon'ble DERC, the same shall not be deducted from GFA.

46. In view of above, the details of Gross Fixed Assets of PPS-I since FY 2021-22 is shown as under:-

Table 5-4: Capital Expenditure (Rs in Cr.)

S.No.	Particulars	UoM	FY 21-22	FY 22-23	FY 23-24	FY 24-25	FY 25-26
A	Opening GFA	Rs in Cr.	1052.70	1017.96	1031.00	1044.41	1046.41
B	Addition	Rs in Cr.	4.73	17.63	13.41	2.00	25.00
C	Deletion	Rs in Cr.	39.47	4.59	0.00	0.00	0.00
D	Closing GFA	Rs in Cr.	1017.96	1031.00	1044.41	1046.41	1071.41
E	Average GFA	Rs in Cr.	1035.33	1024.48	1037.71	1045.41	1058.91

5.4 Depreciation

47. The Hon'ble Commission has specified the provisions pertaining to Depreciation in Regulation 78 to 83 of the Tariff Regulations, 2017. It is observed that cumulative depreciation has reached 70% of the total depreciation; therefore, petitioner has spread the remaining depreciable value over the remaining life of the asset, in accordance with the DERC Tariff Regulations, 2017.

48. The Hon'ble Commission has approved the Closing accumulated depreciation of Rs 850.30 Cr for FY 2020-21 in DERC tariff order dated 19.07.2024. Accordingly, petitioner has calculated the depreciation for FY 2023-24 and estimated for FY 2025-26 as under:-

Table 5-5: Details of Depreciation (Rs. in Cr.)

S. No.	Particulars	FY 21-22	FY 22-23	FY 23-24	FY 24-25	FY 25-26	Remarks
A	Average GFA	1035.33	1024.48	1037.71	1045.41	1058.91	
B	Opening Accumulated Depreciation	850.30	861.94	868.09	881.26	896.16	
C	Balance Depreciation	81.50	60.09	65.85	59.61	56.86	C = 90% of A - B
D	Balance useful life	7	6	5	4	3	Remaining life
E	Current Year Depreciation	11.64	10.01	13.17	14.90	18.95	E = C/D
F	Depreciation on account of retired Assets	0.00	3.87	0.00	0.00	0.00	
G	Closing Accumulated Dep.	861.94	868.09	881.26	896.16	915.11	G = B + E-F
H	Average Accumulated Dep.	856.12	865.01	874.67	888.71	905.64	H = (B + G)/2
I	Average Net Fixed Asset	179.21	159.47	163.03	156.70	152.37	I = A - H

5.5 Working Capital

49. Petitioner has calculated the Working Capital for FY 2023-24 and FY 2025-26 as per DERC Tariff Regulations, 2017 which reads as under:

“(2) Open-cycle Gas Turbine/Combined Cycle thermal generating stations as follows:

(a) Fuel Cost for 30 days corresponding to the NPAF duly taking into account mode of operation of the generating station on gas fuel and liquid fuel;

(b) Liquid fuel stock for 15 days

(c) Maintenance spares @ 30% of Operation and Maintenance expenses specified in this Regulation;

(d) Receivables equivalent to two months of capacity charge and energy charge for sale of electricity calculated on normative plant availability factor, duly taking into account mode of operation of the generating station on gas fuel and liquid fuel; and

(e) Operation and maintenance expenses for one month.

50. Since the Hon'ble Commission has not approved the working capital for FY 2023-24, the petitioner has calculated the same at normative parameters by considering the weighted average of preceeding three months of December 2022, January 2023 and February 2023 before Start of the tariff period as per DERC Regulations, 2017 as under:-

Table 5-6: Fuel Parameters considered for determination of Working capital

Sr. No.	Particulars	UoM	Dec-22	Jan-23	Feb-23
A	Quantum	000'SCM	8255.55	11919.507	7465.802
B	Cost	Rs Cr	4.135	58.855	36.072
C	GCV	kCal/ SCM	9396.621	9485.169	9504.74
D	Average LPPF	Rs/ SCM	35.839		
E	Weighted Average GCV	kCal/ SCM	9464.008		

51. Further, it is submitted that petitioner has computed the working capital for FY 2025-26 by considering the weighted Avg. fuel for the period from Jul-24 to Sep-24.

52. In view of above, the working capital requirement for FY 2023-24 and FY 2025-26 is computed as under:-

Table 5-7: Requirement of Working Capital (Rs in Cr.)

S.No.	Particulars	Unit	FY 23-24	FY 25-26	Remarks
A	Fuel expenses for 1 month	Rs Cr	153.56	221.99	
B	Maintenance spares @ 30% of O&M	Rs Cr	23.34	53.76	
C	O&M expenses for 1 month	Rs Cr	6.48	14.93	
D	Annual Fixed Cost for the year	Rs Cr	150.36	292.50	
E	Fuel Cost for the year	Rs Cr	1842.78	2663.92	
F	Receivables equivalent to 2 months of capacity and energy charge	Rs Cr	332.19	492.74	
G	Total Working Capital	Rs Cr	515.58	783.43	G = A+B+C+D+F

53. In view of above, Petitioner requests State Commission to consider the working capital as proposed for FY 2023-24 and FY 2025-26 as shown in the table above.

5.6 Requirement of Loan and Equity

54. Since accumulated depreciation has reached over and above 70% of Gross Fixed asset, petitioner has considered the Average NFA as 100% equity only. Accordingly, petitioner has determined the requirement of Loan and Equity for FY 2023-24 and FY 2025-26 as under:-

Table 5-8: Requirement of Loan & Equity (Rs in Cr.)

S.No.	Particulars	Unit	FY 23-24	FY 25-26	Remarks
A	Average Net Fixed Asset	Rs in Cr.	163.03	153.27	
B	Average Equity	Rs in Cr.	163.03	153.27	
C	Average CAPEX Loan	Rs in Cr.	0.00	0.00	
D	Working Capital Loan	Rs in Cr.	515.58	783.43	
E	Total Loan Requirement	Rs in Cr.	515.58	783.43	E = C + D
F	Average RRB	Rs in Cr.	678.61	936.70	F = B + E

55. In this regard it is to submit that as against not treating the balance GFA as 100% equity, in absence of any outstanding loan (all Capital Loans are already paid), rather dividing it in the debt : equity ratio of 70:30, Petitioner has filed an appeal no. 393 of 2019, 14 of 2021 and 484 of 2023 in APTEL against previous tariff order of Hon'ble Commission on this issue.

5.7 Return on Capital Employed

56. Hon'ble Commission has specified the methodology for allowing Return on Capital Employed in Tariff Regulations, 2017 as follows:

"65. Return on Capital Employed shall be used to provide a return to the Utility, and shall cover all financing costs except expenses for availing the loans, without providing separate allowances for interest on loans and interest on working capital.

66. The Regulated Rate Base (RRB) shall be used to calculate the total capital employed which shall include the Original Cost of Fixed Assets (OCFA) and Working Capital. Capital work in progress (CWIP) shall not form part of the RRB. Accumulated Depreciation, Consumer Contribution, Capital Subsidies / Grants shall be deducted in arriving at the RRB."

57. Return on Capital Employed (RoCE) for the year "i" shall be computed in the following manner:

$$\text{RoCE} = \text{WACC}_i * \text{RRB}_i$$

Where,

WACC_i is the Weighted Average Cost of Capital for each year of the Control Period;

RRB_i – Average Regulated Rate Base for the ith year of the Control Period.

58. The WACC for each year of the Control Period shall be computed at the start of the Control Period in the following manner:

$$\text{WACC} = [D/(D+E)] * r_d + [E/(D+E)] * r_e$$

Where, D is the amount of Debt derived as per these Regulations;

E is the amount of Equity derived as per these Regulations;

59. In this regard it is to submit that petitioner has considered the rate of interest on loan by considering the Bank Rate as Marginal Cost of Fund based Lending Rate (MCLR) of SBI as notified by the State Bank of India plus margin as per DERC Business Plan Regulations, 2023. The petitioner has

taken the loan on cash credit basis time to time in FY 2023-24. The average rate of interest on loan during FY 2023-24 is 9.40%. Therefore, petitioner has considered the rate of interest on loan as 9.40% during FY 2023-24 and for FY 2025-26, the rate of interest on loan has been considered @ 8.95% on the basis of current SBI MCLR.

60. Petitioner has considered the base rate of return on equity @ 13% for FY 2023-24 and FY 2025-26 as per DERC (Business Plan Regulations), 2023 and the same has been grossed up with rate of income tax @ 17.731%. Accordingly, the grossed up rate of return on equity has been computed @ 15.802% for FY 2023-24 and FY 2025-26.

61. Accordingly, Petitioner has requested Hon'ble Commission to consider the Weighted Average Cost of Capital (WACC) and Return on Capital Employed (RoCE) for FY 2023-24 and FY 2025-26 calculated as under:

Table 5-9: Computation of RoCE (Rs in Cr.)

S.No.	Particulars	Unit	FY 23-24	FY 25-26	Remarks
A	Average RRB	Rs in Cr.	678.61	936.70	
B	Total Loan	Rs in Cr.	515.58	783.43	
C	Average Equity	Rs in Cr.	163.03	153.27	
D	Cost of Debt, Rd	%	9.4	8.95	
E	Grossed up Rate of return on Equity, Re	%	15.802	15.802	
F	WACC	%	10.94	10.07	As per DERC Regulation, 2017
G	RoCE	Rs in Cr.	74.23	94.34	$G = A * F$

5.8 Summary of Fixed Cost

62.The Hon'ble Commission has provided following provisions regarding fixed cost in DERC tariff regulation 2017:-

"99. The annual fixed cost (AFC) of a Generating Entity shall consist of the following components as specified in these Regulations: Return on Capital Employed; Depreciation; and Operation and Maintenance expenses."

Accordingly, the Annual Fixed Cost for FY 2023-24 and FY 2025-26 is computed as under:-

Table 5-10: Annual Fixed Cost (Rs in Cr.)

S.No.	Particulars	Unit	FY 23-24	FY 25-26	Remarks
A	Return on Capital Employed	Rs Cr	74.23	94.34	
B	Depreciation	Rs Cr	13.17	18.95	
C	Operation and Maintenance Expenses	Rs Cr	81.72	179.21	
D	Annual Fixed Cost	Rs Cr	169.11	292.50	D = A+B+C
E	Net Generation	MU	818.530	2389.608	
F	Fixed Cost Per Unit	Rs/ kWh	2.066	1.224	F = D/E*10

63.On the basis of above submissions, Hon'ble Commission is requested to allow the fixed cost for FY 2023-24 and FY 2025-26 as shown in the table above.

Chapter 6: Prayer

6.1 Prayer

In the light of above submissions, this Hon'ble Commission may kindly be pleased:-

- ❖ To condone the delay and admit this petition.
- ❖ To true up the tariff for FY 2023-24 and projected for FY 2025-26.
- ❖ To approve the operational and financial parameters as proposed for FY 2023-24 and FY 2025-26.
- ❖ To consider the impact on performance of thermal generating stations due to part load operation, frequent start/stops etc.
- ❖ To allow the additional R&M on account of DLN burner and STP for FY 2023-24 and FY 2025-26 as prayed.
- ❖ To grant any other relief as Hon'ble Commission may consider appropriate.
- ❖ The petitioner craves leave of the Hon'ble Commission to allow further submissions, addition and alteration to this Petition as may be necessary from time to time.
- ❖ Pass any other order as Hon'ble Commission may deem fit and appropriate under the circumstances of the case and in the interest of justice.


(Amit Ahuja)

DIRECTOR (TECH.)

Pragati Power Corporation Limited

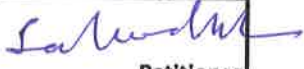
PETITIONER

Place: New Delhi

Date: 19.12.2024

Director (Tech.)
Pragati Power Corporation Ltd.
'Himadri', RPH Office Complex,
Rajghat, New Delhi-110002

PART-I			
TARIFF FILING FORMS (GENERATING STATIONS) FOR DETERMINATION OF TARIFF			
Check List of Forms and other Information/documents for tariff filing for Generating Stations			
S No.	Form No.	Title of Tariff Filing Forms (Thermal)	Tick
1	Form-1	Summary Sheet	✓
2	Form-1(I)	Statement Showing Claimed Capital Cost	✓
3	Form-1(II)	Statement Showing Return on Equity	✓
4	Form-2	Plant Characteristics	✓
5	Form-3	Normative Parameters Considered for tariff Computations	✓
6	Form-4	Details of Foreign Loans	N/A
7	Form-4A	Details of Foreign Equity	N/A
8	Form-5	Abstract of Admitted Capital cost for the existing Projects	✓
9	Form-5A	Abstract of Capital Cost Estimates and Schedule of Commissioning for the New projects	N/A
10	Form-5B	Break-up of Capital Cost for Coal/Lignite based Projects	N/A
11	Form-5C	Break-up of Capital cost for Gas / Liquid fuel based Projects	N/A
12	Form-5D	Break-up of Construction / Supply / Service / packages	N/A
13	Form-5E	Details of variables, parameters, optional package etc. for New Project	N/A
14	Form-5EI	In case there is cost over run	N/A
15	Form-5EII	In case there is time over run	N/A
16	Form-6	Financial Package upto COD	N/A
17	Form-7	Details of Project Specific Loans	N/A
18	Form-8	Details of Allocation of Corporate loans to various projects	N/A
19	Form-9A	Statement of Additional Capitalization after COD	N/A
20	Form-9B	Statement of Additional Capitalization during lag end of the useful life of Project	N/A
21	Form-9BI	Details of Assets De-capitalised during the period	✓
22	Form-9C	Statement showing reconciliation of ACE claimed with capital additions as per books	✓
23	Form-9D	Statement of Capital cost	✓
24	Form-9E	Statement of Capital Works In progress	N/A
25	Form-10	Financing of Additional Capitalization	N/A
26	Form-11	Calculation of Depreciation	✓
27	Form-12	Statement of Depreciation	✓
28	Form-13	Calculation of Weighted Average Rate of Interest on Actual Loans	✓
29	Form-13A	Calculation of Interest on Normative Loans	✓
30	Form-13B	Calculation of Interest on working capital	✓
31	Form-13C	Other Income as on COD	N/A
32	Form-13D	Incidental expenditure during Construction upto Scheduled COD and upto Actual COD	N/A
33	Form-13E	Expenditure under different packages upto Scheduled COD and up to Actual COD	N/A
34	Form-14	Draw Down Schedule for Calculation of IDC & Financing Charges	N/A
35	Form-14A	Actual Cash Expenditure	N/A
36	Form-15	Details/ Information to be submitted in respect of Fuel for Computation of Energy Charges	✓
37	Form-16	Details / Information to be Submitted in respect of Capital Spares	✓
38	Form-17	Liability Flow Statement	N/A
39	Form-18	Employee Expenses	✓
40	Form-18 (a)	Employee Strength	✓
41	Form-19	A & G Expenses	✓
42	Form-19 (a)	Legal Expenses	✓
43	Form-20	R & M Expenses	✓
44	Form-21	Variable Charges for Gas Power Plant	✓
Other Information / Documents			
Sl.No.	Information / Document		Tick
1	Certificate of Incorporation, Certificate for Commencement of Business, Memorandum of Association, & Articles of Association (For new Station setup by a Company making tariff application for the first time to CERC		
2	A. Stationwise and Corporate audited Balance Sheet and Profit & Loss Accounts with all the Schedules & annexure on COD of the Station for the new station & for the relevant years.		
	B. Stationwise and Corporate audited Balance Sheet and Profit & Loss Accounts with all the Schedules & annexures for the existing stations for the relevant years.		
3	Copies of relevant loan Agreements		
4	Copies of the approval of Competent Authority for the Capital Cost and Financial package		

5	Copies of the Equity participation agreements and necessary approval for the foreign equity	
6	Copies of the BPSA/PPA with the beneficiaries, if any	
7	<p>Detailed note giving reasons of time and cost over run, if applicable. List of supporting documents to be submitted:</p> <p>a. Detailed</p> <p>Project Report</p> <p>b. CPM Analysis</p> <p>c. PERT Chart and BAR Chart</p>	
8	Generating company shall submit copy of cost audit report along with cost accounting records, cost detailed, statements, schedules etc. for the generating units wise / stage wise / station wise and subsequently consolidated at company level as submitted to the Govt. of India for first two years i.e. 2014-15 and 2015-16 at the time of mid term true-up in 2016-17 and for balance period of tariff period 2014-19 at the time of final true-up in 2019-20. In case of initial tariff filing the latest cost audit report should be furnished.	
9	Any other relevant Information (please specify)	
10	Re-conciliation with balance-sheet of any actual additional capitalisation and amongst stages of a generating station.	
	Note1: Electronic copy of the petition (In words format) and detailed calculation as per these formats (in excel format) and any other information submitted shall also be furnished in the form of CD/ Floppy disc	
	Note2: Petitioner has submitted the forms for determination of tariff which are applicable as ticked above.	
		 Petitioner

Summary Sheet

Name of the Petitioner : Pragati Power Corporation Limited

Name of the Generating Station: Pragati Power Station - I

Place (Region / District / State): Delhi

S.No.	Particulars	Unit	2023-24	2025-26
1	2	3	4	5
1.1	Depreciation	Rs. Crore	13.17	18.95
1.2	Interest on Loan	Rs. Crore	0.00	0.00
1.3	Return on Equity ¹	Rs. Crore	25.76	24.22
1.4	Interest on Working Capital	Rs. Crore	48.46	70.12
1.5	O & M Expenses(Actual)*	Rs. Crore	72.51	85.21
1.7	Compensation allowance (if applicable)	Rs. Crore	0	0.00
1.8	Special allowance (if applicable) **	Rs. Crore	3.92	94.00
	Total	Rs. Crore	163.82	292.50
2.1	Landed Fuel Cost (Domestic Gas: APM+PMT+NAPM)	Rs./SCM		0.00
	(%) of Fuel quantity	(%)		0.00
2.2	Landed fuel cost (Imported Gas: RLNG)	Rs./SCM	47.09	49.52
	(%) of Fuel quantity	(%)		100.00
2.3	Secondary Fuel Oil Cost	Rs./Unit		0
	Energy charges Rate ex-bus (paise/Kwh) from Imported Gas (Combined Cycle)	Rs./Unit	10.258	11.098
	Energy charges Rate ex-bus (paise/Kwh) from Imported Gas (Open Cycle)	Rs./Unit	15.961	16.079



Petitioner

Statement Showing Claimed Capital Cost

Name of the Petitioner : Pragati Power Corporation Limited

Name of the Generating Station: Pragati Power Station - I

Place (Region / District / State): Delhi


(Rs in Crore)

Sl. No.	Particulars	2023-24	2025-26
1	2	3	4
A	Opening Capital Cost	1031.00	1046.41
B	Addl: Addition during the year/ period	13.41	25.00
C	Less: Decapitalization during the year / Period	0.00	0.00
D	Less: Liability Reversal during the year /period	0.00	0.00
E	Add: Discharges during the year/ period	0.00	0.00
F	Closing Capital Cost	1044.41	1071.41
G	Average Capital Cost	1037.71	1058.91
H	Average Net Fixed Assets	163.03	153.27



Petitioner


FORM-1(II)			
Statement Showing Return on Equity			
Name of the Petitioner : Pragati Power Corporation Limited			
Name of the Generating Station: Pragati Power Station - I			
Place (Region / District / State): Delhi			
(Rs in Crore)			
Sl. No.	Particulars	2023-24	2025-26
1	2	3	4
A	Opening Equity	309.30	313.92
B	Add: Increase due to Addition during the year/ period	4.02	7.50
C	Less: Decrease due to Decapitalization during the year / Period	0.00	0.00
D	Less: Decrease due to reversal during the year /period	0.00	0.00
E	Add: Increase due to Discharges during the year/ period	0.00	0.00
F	Closing Equity	313.32	321.42
G	AverageEquity	311.31	317.67
H	Average equity for the purpose of computation of tariff based on Net Fixed Assets	163.03	153.27
I	Rate of RoE(%)	15.80	15.80
J	Return of Equity	25.76	24.22



Petitioner

Plant Characteristics

Name of the Petitioner	Pragati Power Corporation Limited		
Name of the Generating Station	Pragati Power Station - I		
Place (Region / District / State):	Delhi		
Units(s)/ Block(s) Parameters	GT-I	GT-II	STG
Installed Capacity (MW)	104	104	122
Schedule COD as per Investment Approval			
Actual COD/ Date of taken Over (as applicable)	02.07.02	03.12.02	15.05.03
Pit Head or Non pit Head	Not Applicable		
Name of the Boiler Manufacture			BHEL, Trichy
Name of Turbine Generator Manufacture			BHEL
Main Steams pressure at Turbine Inlet (kg/Cm ²) ¹	NA		HP/LP 71.38/5.14 518.3/198.6
Main Steam temperature at Turbine Inlet (°C) ¹	NA	NA	
Reheat Steam Pressure at turbine Inlet (kg/Cm ²) ¹			NA
Reheat Steam temperature at Turbine Inlet (°C) ¹			NA
Main Steam flow at Turbine Inlet under MCR condition (tons/hr) ²			180.2/37.1
Main Steam flow at Turbine Inlet under VWO condition (tons/hr) ²			NA
Unit Gross electrical output under MCR/Rated condition (MW) ²			121.189
Unit Gross electrical output under VWO condition (MW) ²			128.671
Guaranteed design Gross Turbine Cusle Heat Rate (kCal/kWh) ³	2986	2986	1939 (CC)
Condition on which design turbine cycle heat rate guaranteed			
%MCR	NA	NA	100
% Makeup Water Consumtion	NA	NA	0
Design Capacity of Make up water system			
Design Capacity of Inlet cooling system			
Design Cooling Water Temperature (°C)	NA	NA	33
Back Pressure	NA	NA	0.101
Steam Flow at super heater outlet under BMCR condition (tons/hr)			201.5/40.6
Steam pressure at super heater outlet under BMCR condition (kg/cm ²)			85.39/6.45
Steam Temperature at super heater outlet under BMCR condition (°C)			520/205
Steam Temperature at Reheater outlet at BMCR condion (°C)			NA
Design/ Guaranteed Boiler Efficiency (%) ⁴			
Design fuel specification for guaranteed parameters (%)	Dual Fuel	Dual Fuel	waste heat
Type of cooling Tower	NA	NA	Induced
Type of cooling System ⁵	NA	NA	IDC
Type of Boiler feed pump ⁶	NA	NA	Motor Driven
Fuel Details ⁷			
-Primary Fuel	NG	NG	waste heat
-Secondary Fuel	Not Applicable		
-Alternate Fuels	Not Applicable		
Special Features /Site Spelcfc Features ⁸	Not Applicable		
Special Technological Features ⁹	Gas turbines fitted with DLN combustors		
Environmenalt Regulation related features ¹⁰	Sewage Treated water used		
Any Other Special fatures	Not Applicable		
1: At Turbine MCR condition.			
2: with 0%(Nil) make up and design Cooling water temperature.			
3: at TMCR output based on gross generation, 0%(nil) make up and design cooling tower water temperature.			
4: With Performance coal based on Higher Heating Value (HHV) of fuel and at MCR output.			
5: Closed Circuit cooling, once through cooling, sea cooling, natural draft cooling, Induced draft cooling etc.			
6: Motor driven, Steam turbine driven etc.			
7: Coal or natural gas or Naphtha or lignite etc.			
8: Any site specific feature such as Merry-Go-Round, Vicinity to sea, Intake/ makeup water systems etc. scrubbers etc. Specify all such features			
9: any special Technological fature like Advanced class FA technology in Gas Turbines, etc.			
10: Environmental Regulation related features like FGD, ESP etc.,			


 Petitioner

FORM- 3			
Normative Parameters considered for Tariff Computations			
Name of the Petitioner : Pragati Power Corporation Limited			
Name of the Generating Station: Pragati Power Station - I			
Place (Region / District / State): Delhi			
Particulars	Unit	2023-24	2025-26
1	2	3	4
Base Rate of Return on Equity	%	13.00	13.00
Effective Tax Rate ⁴	%	17.731	17.731
Target Availability	%	90%	90%
Auxiliary Energy Consumption (CC)	%	2.30%	2.30%
Gross Station Heat Rate	kCal/kWh	1975	1975
Specific Fuel Oil Consumption	ml/kWh	NA	NA
Cost of Coal/ Lignite for WC ¹	in Months	NA	NA
Cost of Main Secondary Fuel Oil for WC ¹	In Months	NA	NA
Fuel Cost for WC ²	In Months	1	1
Liquid Fuel Stock for WC ²	In Months	NA	NA
O&M Expenses	Rs. in Cr	77.80	85.21
Maintenance Spares for WC	% of O&M	30	30
Receivables for WC	In Months	2	2
Storage capacity of Primary fuel	MT	NA	NA
SBI Base Rate	%	8.50%	8.95%
Blending ratio of domestic coal/ Imported coal		NA	NA
¹ For Coal / Lignite based generating stations			
² For Gas Turbine/ Combined Cycle generating stations duly taking into account the mode of operation on gas fuel and liquid fuel.			
³ Mention relevant date			
⁴ Effective tax rate is to be computed in accordance with Regulation 25 i.e. actual tax(or advance tax)/ gross income, where gross income refers the profit before tax.			
		 Petitioner	

Abstract of Admitted Capital Cost for the existing Projects		
Name of the Petitioner	Pragati Power Corporation Limited	
Name of the Generating Station	Pragati Power Station- I	
Place (Region / District / State):	Delhi	
Particulars		2020-21
Last date of order of Commission for the project	Date (DD-MM-YYYY)	19.07.2024
Reference of petition no. in which the above order was passed	Petition No.	06/2022
Following details (whether admitted and/ or considered) as on the last date of the period for which tariff is approved, in the above order by the Commission:		
Capital cost	(Rs. In Crore)	1052.7
Amount of un-discharged liabilities Included in above (& forming part of admitted capital cost)		
Amount of un-discharged liabilities corresponding to above admitted capital cost (but not forming part of admitted capital cost being allowed on cash basis)		
Gross normative debt		
Cumulative Repayment		
Net Normative debt		
Cumulative depreciation		850.3
Freehold land		
		
		Petitioner

Statement of additional Capitalisation during fag end of useful life of the Project

Name of the Petitioner	Pragati Power Corporation Limited
Name of the Generating Station	Pragati Power Station - I
COD	

(Rs In Cr.)

S.N o.	Year	work / equipment added during last 5 years of useful life of each unit / station	ACE Claimed (Actual / Projected)				Regulation under which claimed	Justification	Impact on life extension
			Accrual basis	Undischarged liability included in Col.4	Cash basis	IDC Included in Col.4			
1	2	3	4	5	6= 4-5	7	8	9	10
A	FY 23-24	Retrofitting of Generator/ Transformer Protection Relays with Numerical Relays Including Design, Engineering, Installation, Testing & Commissioning of the steam turbine generating unit of PPS-1.	0.40	0.04	0.36		Regulation 43(2) DERC Regulation, 2017	Approved in BPR, 2023	
B	FY 23-24	Upgradation of DDC pro control system along with Turbovisory system, special modules of turbine Governing & HP/LP Bypass system & SOE of STG at PPS-1.	10.88	0.14	10.73		Regulation 43(2) DERC Regulation, 2017	Approved in BPR, 2024	
C	FY 23-24	HQ share	0.124	0	0.124			Capitalisation of Assets as per IND- AS requirement	
D	FY 23-24	Capital Spares	2.2	0	2.2			Capitalisation of Assets as per IND- AS requirement	
	FY 23-24	Total			13.42				

NOTE :

1. Cost benefit analysis for capital additions done should be submitted along with petition for approval of such schemes.
2. Justification for additional capital expenditure claim for each asset should be relevant to regulation under which claim has been made and the necessity of capitalisation of the asset.

(Petitioner)

Details of assets De-capitalised during the period FY 2023-24

Name of the Petitioner: Pragati Power Corporation Limited


Name of the Generating Station: Pragati Power Station - I

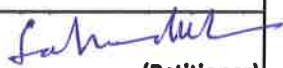
S.No	Name of the Asset	Nature of De-capitalisation (whether claimed under exclusion or as additional capital expenditure)	Original value of the asset capitalised in Rs.	Year Put to use	Depreciation recovered till date of De-capitalization in Rs.
1	2	3	4	5	6
1	AIR COOLER ELEMENT, 11660300070, GTG, 104	Capital Spare Issued	28,82,466.00	07-12-2023	17,85,774.97
2	COLUMN PIPE, 141, PUMP, KBL, BHR5-22.5DEG	Capital Spare Issued	57,665.36	30-03-2024	50,517.97
3	RATCHET COVER, 474, PUMP, KBL, BHR5-22.5DEG	Capital Spare Issued	35,309.00	30-03-2024	31,309.22
4	RATC HOUSING, 475, PUMP, KBL, BHR5-22.5DEG	Capital Spare Issued	45,772.00	30-03-2024	40,586.96
5	BRG LID, THR, 2790101, PUMP, KBL, BHR3-30DEG	Capital Spare Issued	13,492.00	30-03-2024	11,963.62
6	CPU BOARD, 0195-A-1000, ANALYZ, 9186	Capital Spare Issued	50,000.00	16-08-2023	42,678.14
7	IO PACK, IS220PAICH1A, PNL, GE, MK6e	Capital Spare Issued	10,99,066.16	03-06-2023	9,89,159.54
8	UCSB PROCESSOR, IS420UCSBH1A, PNL, GE, M	Capital Spare Issued	6,19,662.84	06-01-2024	3,71,797.71
9	UCSB PROCESSOR, IS420UCSBH1A, PNL, GE, M	Capital Spare Issued	6,19,662.84	12-03-2024	4,18,272.41
10	IO PACK, THERMOCOUPLE, IS220PTCCH1B, GE	Capital Spare Issued	7,27,799.22	14-12-2023	6,55,019.30
11	IGNITION EXCITER, IGNITER SYSTEM, GE	Capital Spare Issued	3,04,616.00	09-08-2023	2,58,565.90
12	MONITOR, GAS, GEN MNTR, 610A-1-1-1-00-1-2-0	Capital Spare Issued	3,83,392.00	26-07-2023	3,25,433.02
	Total		68,38,907.42		

NOTE: Yearwise detail need to be submitted.




(Petitioner)

FORM-9C		
Statement showing reconciliation of ACE claimed with the capital additions as per books		
Name of the Petitioner: Pragati Power Corporation Limited		
Name of the Generating Station: Pragati Power Station - I		
		(Rs in Crore)
S.No.	Particulars	2023-24
1	2	3
A	Closing Gross Block	1217.93
B	Less: Opening Gross Block	1210.73
C	Total additions as per books	7.87
D	Less: Additions pertaining to other stages (give stagewise break-up)	0.00
E	Net additions pertaining to instant project / unit / stage	0.00
F	Less: Exclusions (items not allowable / not claimed/de-capitalise)	0.68
G	Net Additional Capital Expenditure claimed	7.19
NOTE : Reason for exclusion of any expenditure shall be given in clear terms.		
		 (Petitioner)

FORM-9D		
Name of the Petitioner: Pragati Power Corporation Limited		
Name of the Generating Station: Pragati Power Station - I		
Place (Region / District / State): New Delhi		
Statement of Capital Cost		
(To be given for relevant dates and year wise)		
(Amount in Rs.Crore)		
S.No.	Particulars	2023-24
A	a) Opening Gross Block Amount as per books	1210.73
	b) Amount of Capital liabilities In A(a) above	
	c) Amount of IDC In A(a) above	
	d) Amount of FC In A(a) above	
	e) Amount of FERV In A(a) above	
	f) Amount of Hedging cost In A(a) above	
	g) Amount of IEDC In A(a) above	
B	a) Addition In Gross Block amount during the period (Direct purchases)**	7.87
	b) Amount of Capital liabilities In B(a) above	
	c) Amount of IDC In B(a) above	
	d) Amount of FC In B(a) above	
	e) Amount of FERV In B(a) above	
	f) Amount of Hedging cost In B(a) above	
	g) Amount of IEDC In B(a) above	
C	a) Addition In Gross Block amount during the period (Transferred from CWIP)	0
	b) Amount of Capital liabilities In C(a) above	
	c) Amount of IDC In C(a) above	
	d) Amount of FC In C(a) above	
	e) Amount of FERV In C(a) above	
	f) Amount of Hedging cost In C(a) above	
	g) Amount of IEDC In C(a) above	
D	a) Deletion In Gross Block amount during the period	0.68
	b) Amount of Capital liabilities In D(a) above	
	c) Amount of IDC In D(a) above	
	d) Amount of FC In D(a) above	
	e) Amount of FERV In D(a) above	
	f) Amount of Hedging cost In D(a) above	
	g) Amount of IEDC In D(a) above	
E	a) Closing Gross Block amount as per books	1217.93
	b) Amount of Capital liabilities In E(a) above	
	c) Amount of IDC In E(a) above	
	d) Amount of FC In E(a) above	
	e) Amount of FERV In E(a) above	
	f) Amount of Hedging cost In E(a) above	
	g) Amount of IEDC In E(a) above	
Note:		
1. Relevant date/s means date of COD of unit/s/station and financial year start date and end date.		
**	Total addition as per accounting during FY 2023-24 was of Rs 7.87 Cr. It also includes the Capital Spares amounting to Rs 2.20 Cr. Details of capital spares have been furnished In Form 16	
		 (Petitioner)

Calculation of Depreciation


Name of the Petitioner		Pragati Power Corporation Limited		
Name of the Generating Station		Pragati Power Station - I		
		FY 2023-24		(Amount in Rs. Crore)
Sl. No.	Name of the Assets ¹	Gross Block as on 31 st March of the previous control period or as on COD, whichever is later and subsequently for each year thereafter	Depreciation rate as per DERC'S Depreciation rate schedule	Depreciation amount for Each year
		1	2	3 4= Col. 2X Col. 3
1	land*			
2	Building			
3	and so on			
4				
5				
	Total	1,037.71	1.27%	13.17
	Weighted Average Rate of Depreciation (%)			1.27
* Provide details of freehold land and lease hold land separately				
¹ Name of the Assets should conform to the description of the assets mentioned in Depreciation Schedule appended to the Notification				
				 (Petitioner)


Statement of Depreciation

Name of the Petitioner: Pragati Power Corporation Limited


Name of the Generating Station: Pragati Power Station - I


Place (Region / District / State): Delhi

Sl. No.	Particulars	2023-24	2025-26
1	2		3
	Depreciation on Capital Cost		
A	Opening Capital Cost	1031.00	1046.41
B	Closing Capital Cost	1044.41	1071.41
C	Average Capital Cost	1037.71	1058.91
E	Freehold land		
F	Rate of depreciation	1.269%	1.790%
G	Depreciable Value@90%	933.93	953.02
H	Balance useful life at the beginning of the period	5	3
I	Remaining depreciable value	65.85	56.86
J	Depreciation (for the period)	13.17	18.95
K	Depreciation (annualised)	13.17	18.95
L	Cumulative depreciation at the end of the previous period	868.09	896.16
M	Less: Cumulative depreciation adjustment on account of un-discharged liabilities deducyed as on 31st, March of the previous control period/ Station COD	0	0
N	Less: Cumulative depreciation adjustment on account of de-capitalisation	0	0
O	Net Cumulative depreciation at the end of the period	881.26	915.11
P	Average Accumulated Depreciation at the end of the period	874.67	905.64
	 Petitioner		

FORM-13	
Calculation of Weighted Average Rate of Interest on Actual Loans ¹	
Name of the Petitioner	Pragati Power Corporation Limited
Name of the Generating Station	Pragati Power Station - I
Place (Region / District / State):	New Delhi
Particulars	2023-24
Loan-1	
Gross loan- Opening	
Cumulative repayments of Loans upto previous year	
Net Loan- Opening	
Add: Drawal(s) during the year	
Less: Repayment(s) of Loans during the year	
Net Loan- Closing	
Average Net Loan	
Rate of Interest on Loan on annual basis	
Interest on loan	
Total Loan	
Gross loan- Opening	
Cumulative repayments of Loans upto previous year	
Net Loan- Opening	
Add: Drawal(s) during the year	
Less: Repayment(s) of Loans during the year	
Net Loan- Closing	
Average Net Loan	
Rate of Interest on Loan on annual basis	
Interest on loan	
GNCTD Loan No. 2	
Gross loan- Opening	
Cumulative repayments of Loans upto previous year	
Net Loan- Opening	
Add: Drawal(s) during the year	
Less: Repayment(s) of Loans during the year	
Net Loan- Closing	
Rate of Interest on Loan on annual basis	
Interest on loan	
GNCTD Loan No. 3	
Gross loan- Opening	
Cumulative repayments of Loans upto previous year	
Net Loan- Opening	
Add: Drawal(s) during the year	
Less: Repayment(s) of Loans during the year	
Net Loan- Closing	
Rate of Interest on Loan on annual basis	
Interest on loan	
Weighted average Rate of Interest on Loans	
Interest on working capital loan	9.40%
¹ In case of Foreign Loans, the calculations in Indian Rupees is to be furnished. However, the calculations in original currency is also to be furnished separately in the same form.	
 (Petitioner)	

Calculation of Interest on Normative Loan

Name of the Petitioner: Pragati Power Corporation Limited		
Name of the Generating Station: Pragati Power Station - I		
Place (Region / District / State): Delhi		
Particulars	2023-24	2025-26
1		2
(Rs in Crore)		
Gross Normative Loan -Opening	0	0
Cumulative repayment of Normative Loan upto previous year	0	0
Net Normative Loan- Opening	0	0
Add: Increase due to addition during the Year/ Period	0.00	0.00
Less: Decrease due to De- Capitalisationl during the Year/ Period	0.00	0.00
Less: Decrease due to Reversal during the Year/ Period	0	0
Add: Increase due to discharge during the Year/ Period	0	0
Less: Repayment(s) of Loans during the year	0	0
Net Normative Loan- Closing	0.00	0.00
Average Normative Loan	0.00	0.00
Weighted Average rate of interest	9.40%	8.95%
Interest on Loan	0.00	0.00
 (Petitioner)		

FORM-13B			
Calculation of Interest on Working Capital			
Name of the Petitioner		Pragati Power Corporation Limited	
Name of the Generating Station		Pragati Power Station - I	
Place (Region / District / State):		Delhi	
Sl. No.	Particulars	2023-24	2025-26
1	2		3
1	Cost of Coal/ Lignite ¹	N/A	N/A
2	Cost of Main Secondary Fuel Oil ¹	N/A	N/A
3	Fuel cost for 1 month ²	153.56	221.99
4	Liquid Fuel Stock ²	0	0.00
5	O&M Expenses for 1 month	6.48	14.93
6	Maintenance Spares @ 30% of O&M expenses	23.34	53.76
7	Receivables for 2 months	332.19	492.74
8	Total Working Capital	515.58	783.43
9	Rate of interest	9.40	8.95
13	Interest on working capital	48.46	70.12
¹ For Coal based / Lignite based generating station.			
² For Gas Turbine/ Combined Cycle generating stations duly taking into account the annual mode of operation (last available) on gas fuel and liquid fuel.			
		 (Petitioner)	

Details/ Information to be Submitted in respect of Fuel for computation of Energy Charges¹

Name of the Petitioner		Pragati Power Corporation Limited		
Name of the Generating Station		Pragati Power Station - I		
Sl. No.	Months	Units	April-22 to Mar-23	
			Domestic	Imported
1	Quantity of Gas supplied by Gas Company*	(Million SCM)	0.00	179750.74
2	Adjustment (+/-) in quantity supplied by Gas Company	(Million SCM)	0	0
3	Gas Supplied by Gas Company (1+2)	(Million SCM)	0.00	179750.74
4	Normative Transit & Handling Losses	(Million SCM)	0	0
5	Net Gas Supplied (3-4)	(Million SCM)	0.00	179750.74
6	Amount charged by Gas Company	(Rs.)	0.00	846.37
7	Adjustment (+/-) in amount charged by Gas Company	(Rs.)	0.00	0.00
8	Total Amount charged (6+7)	(Rs.)	0.00	846.37
9	Transportation Charges by rail/ship/road/gas pipeline	(Rs.)		
10	Adjustment (+/-) in amount charged made by Transport Company	(Rs.)		
11	Demurrage / Imbalance/ Ship or Pay Charges, if any	(Rs.)		
12	Cost of diesel in transporting coal through MGR system, if applicable	(Rs.)		
13	Total Transportation Charges (9+/- 10-11+12)	(Rs.)		
14	Total Amount charged for gas supplied including Transportation (8+13)	(Rs.)		
15	Landed cost of Coal/Lignite/Gas	Rs./SCM	47.086	
16	Blending Ratio (Domestic/ Imported)			
17	Weighted average cost of coal/Lignite for preceding three months	Rs./SCM		
18	GCV of domestic coal/Gas as per bill of Company	Kcal/SCM		
19	GCV of Imported coal/Gas as per bill of Company	Kcal/SCM		
20	Weighted average GCV of coal/Lignite/GAS as Billed	Kcal/SCM	9470.026	
21	GCV of domestic coal/Gas received at Station	Kcal/SCM		
22	GCV of Imported coal/Gas received at Station	Kcal/SCM		
23	Weighted average GCV of coal/Lignite/GAS as received	Kcal/SCM		

¹ Similar details to be furnished for natural gas / liquid fuel for CCGT station and secondary fuel oil for coal/ lignite based thermal plants with appropriate units.

² As billed and as received GCV, quantity of coal, and price should be submitted as certified by statutory auditor

Satish Kumar
(Petitioner)

Details/ Information to be submitted in respect of Capital Spares for FY 2023-24

Name of the Petitioner			Pragati Power Corporation Limited			
Name of the Generating Station			Pragati Power Station - I			
Sl. No.	Details of Capital Spares and Expenses		Claimed as a part of additional Capitalisation	Funded through compensatory allowance	Funded through special allowance (if Applicable)	Claimed as a part of stores and spares
	Name of spare	Amount				
	1	ALL BLADE SEALS,5,DAMPER,HRSG BY PASS	31,86,000.00	No		
2	BUSH,1112020800000009,STG,BHEL	5,67,695.36	No			
3	VALVE SPINDLE,1112020800000007,STG,BHEL	5,67,687.94	No			
4	SERVO MOTOR,HPCV,RIGHT,STG,BHEL,122 MW	95,19,947.36	No			
5	PUMP,N-EFFLNT.,TNFR.,MODEL CHL-50X315	5,62,964.05	No			
6	DISCHARGE HEAD,1170101,PUMP,KBL,BHM22.5	6,15,169.78	No			
7	BOWL ASSEMBLY,PUMP,KBL,BHR-3-30DEG-4STG	20,39,488.40	No			
8	BOWL ASSY,6 STG,PUMP,WPII,IAX 5211-13(1)	7,27,806.30	No			
9	RVR,VR8000C2L,CHLRNTR,CCI,FX4805C	5,83,493.43	No			
10	BEARING,BA,7340BAT,AC,SR,20X420X80MM	5,01,500.00	No			
11	PCAA ASSY/CORE ANLG,IS230PCAAH1A,GE,MK8E	16,38,260.08	No			
12	TERM BOARD,O/P,IS200TRPGH1B,PNL,GE,MK8e	9,19,368.68	No			
13	FLUE GAS ANALYZER SYSTEM	5,82,330.00	No			
	Total	2,20,11,711.38				

Note:


 Petitioner

Employee Expenses

Name of the Petitioner: Pragati Power Corporation Limited

Name of the Generating Station: Pragati Power Station - I

Sl. No.	Particulars	2023-24	2025-26
1	Salaries	39.96	Calimed as allowed in BPR 2023
2	Additional Pay		
3	Dearness Allowance (DA)		
4	Other Allowances & Relief		
5	Addl. Pay & C.Off Encashment		
6	Interim Relief / Wage Revision		
7	Honorarium/Overtime		
8	Bonus/ Exgratia To Employees		
9	Medical Expenses Reimbursement		
10	Travelling Allowance(Conveyance Allowance)		
11	Leave Travel Assistance		
12	Earned Leave Encashment		
13	Payment Under Workman's Compensation And Gratuity		
14	Subsidised Electricity To Employees		
15	Any Other Item		
16	Staff Welfare Expenses	2.11	
17	Apprentice And Other Training Expenses		
18	Contribution To Terminal Benefits		
19	Provident Fund Contribution	1.10	
20	Provision for PF Fund		
21	Any Other Items		
	Total Employee Costs	43.17	
22	Less: Employee expenses capitalised		
	Net Employee expenses (D)-(E)	43.17	


(Petitioner)

A & G Expenses

Name of the Company : Pragati Power Corporation Limited


Name of the Power Station: Pragati Power Station - I

Sl. No.	Particulars	2023-24	2025-26
			(Rs In Cr)
1	Lease/ Rent	0.031	
2	Insurance	4.529	
3	Revenue Stamp Expenses Account		
4	Telephone, Postage, Telegram & Telex Charges		
5	Incentive & Award To Employees/Outsiders		
6	Consultancy Charges		
7	Technical Fees		
8	Other Professional Charges		
9	Conveyance And Travelling	0.035	
10	License and Registration Fees		
11	Vehicle Expenses	0.118	
12	Security / Service Charges Paid To Outside Agencies	9.035	
13	Fee And Subscriptions Books And Periodicals	0.040	
14	Printing And Stationery	0.044	
15	Advertisement Expenses	0.004	
16	Contributions/Donations To Outside Institutes / Associations		
17	Electricity Charges To Offices	1.338	
18	Water Charges		
19	Entertainment Charges		
20	Miscellaneous Expenses	5.079	
21	Legal Charges	0.190	
22	Auditor's Fee	0.021	
23	Freight On Capital Equipments		
24	Purchase Related Advertisement Expenses		
25	Vehicle Running Expenses Truck / Delivery Van		
26	Vehicle Hiring Expenses Truck / Delivery Van		
27	Other Freight		
28	Transit Insurance		
29	Octrol		
30	Incidental Stores Expenses		
31	Fabrication Charges		
	Total A&G Expenes	20.464	
	Less: A&G Expenses Capitalised		
	Total A&G Expenes	20.464	

Claimed as
allowed in
BPR 2023


Petitioner

FORM-20			
R & M Expenses			
Name of the Petitioner: Pragati Power Corporation Limited			
Name of the Generating Station: Pragati Power Station - I			
Rs. In cr			
Sl. No.	Particulars	2023-24	2025-26
1	Plant and Machinery	10.88	Claimed as allowed in BPR 2023
2	Building	1.35	
3	Civil Works		
4	Hydraulic Works		
5	Lines, Cables Net Works etc.		
6	Vehicles		
7	Furniture and Fixtures		
8	Office Equipments		
9	Station Supplies (STP Expenditure)		
10	DLN Burners		
11	Other Credits to R&M Charges		
12	Others*	0.56	
	Total	12.80	
13	Any other items (Capitalisation)		
	Total	12.80	



(Petitioner)

Variable charges for Gas power Plant for FY 2023-24

Name of the Petitioner: Pragati Power Corporation Limited

Name of the Generating Station: Pragati Power Station - I

Particulars	UoM	Plant	Combined Cycle	Open Cycle
Description	MW	330	330	208
GHR claimed By PPS-I	Kcal/kWh	2021	2006	3178
Target Availability claimed	%	90	90	90
Time of operation	Days	366	366	366
Gross Generation	MU	841.64	830.63	11.01
Auxilliary Consumption	%	2.75	2.77	1
Auxilliary Consumption	MU	23.11	23.00	0.11
Net Generation	MU	818.530	807.626	10.904
Total Gross Heat value required	Kcal	1701285563595.21	1666282895506.36	35002668088.85
Gross Heat Obtained from KG Basin Gas	MMBTU/day-GCV			
1 MMBTU	Kcal			
Total Gas Required	SCM	179622388.2	175953361	3696153.343
Gross Heat Obtained from KG Basin Gas for the period	Kcal			
Gross Calorific value of Gas (Assumed)	Kcal/SCM	9470.026	9470.026	9470.026
Volume of KG Basin Gas (APM+PMT+NAPM)	SCM			
Balance Heat Required from RLNG	Kcal	1702244144.62		
Gross Calorific value of RLNG (Assumed)	Kcal/SCM	9470.026	9470.026	9470.026
Quantity of RLNG required (RLNG+SPOT-RLNG)	SCM	179750.737		
Price of KG Basin Gas	Rs./MMBTU-GCV			
Price of KG Basin Gas	Rs./SCM	0.00	0.00	0.00
Price of RLNG	Rs./MMBTU-GCV			
Price of RLNG	Rs./SCM	47.086	47.086	47.086
KG Basis Gas Landed Cost	Rs. Crores	0.000		
RLNG Landed Cost	Rs. Crores	846.369		
Avg. Landed Cost of Total Gas	Rs/SCM	47.086	47.086	47.086
Total Fuel Cost	Rs. Crores	845.765	828.489	17.404
Monthly Fuel Cost	Rs. Crores	70.480	69.041	1.450
Energy Charge rate on Ex-basis	Rs./Unit	10.333	10.258	15.961
Net Generation from KG Basin Gas	Mus			
Net Generation from RLNGs	MUs			
Energy Charge Rate on Ex-bus basis from KG Basin Gas	Rs./Unit	0.00	0.00	0.00
Energy Charge Rate on Ex-bus basis from RLNG	Rs./Unit	10.333	10.258	15.961


 (Petitioner)


Variable charges for Gas power Plant for FY 2025-26

Name of the Petitioner: Pragati Power Corporation Limited

Name of the Generating Station: Pragati Power Station - I

Particulars	UoM	Plant	Combined Cycle	Open Cycle
Description	MW	330	330	208
GHR claimed By PPS-I	Kcal/kWh	2050	2041	3010
Target Availability claimed	%	85	85	85
Time of operation	Days	365	365	365
Gross Generation	MU	2457.18	2441.69	15.49
Auxilliary Consumption	%	2.75	2.76	1
Auxilliary Consumption	MU	67.57	67.42	0.1548768
Net Generation	MU	2389.608	2374.275	15.333
Total Gross Heat value required	Kcal	5037219000000.00	4982449751822.35	46617916800.00
Gross Heat Obtained from KG Basin Gas	MMBTU/day-GCV			
1 MMBTU	Kcal			
Total Gas Required	SCM	537913717.6	532065028.1	4978226.464
Gross Heat Obtained from KG Basin Gas for the period	Kcal	0.00		
Gross Calorific value of Gas (Assumed)	Kcal/SCM	9364.362	9364.362	9364.362
Volume of KG Basin Gas (APM+PMT+NAPM)	SCM	0		
Balance Heat Required from RLNG	Kcal	50372190000.00		
Gross Calorific value of RLNG (Assumed)	Kcal/SCM	9364.362	9364.362	9364.362
Quantity of RLNG required (RLNG+SPOT-RLNG)	SCM	5379137.18		
Price of KG Basin Gas	Rs./MMBTU-GCV			
Price of KG Basin Gas	Rs./SCM	0.00	0.00	0.00
Price of RLNG	Rs./MMBTU-GCV			
Price of RLNG	Rs./SCM	49.52	49.52	49.52
KG Basis Gas Landed Cost	Rs. Crores	0.000		
RLNG Landed Cost	Rs. Crores	2663.923		
Avg. Landed Cost of Total Gas	Rs./SCM	49.523	49.523	49.523
Total Fuel Cost	Rs. Crores	2663.923	2634.958	24.654
Monthly Fuel Cost	Rs. Crores	221.994	219.580	2.054
Energy Charge rate on Ex-basis	Rs./Unit	11.148	11.098	16.079
Net Generation from KG Basin Gas	Mus			
Net Generation from RLNGs	MUs			
Energy Charge Rate on Ex-bus basis from KG Basin Gas	Rs./Unit	0.00	0.00	0.00
Energy Charge Rate on Ex-bus basis from RLNG	Rs./Unit	11.15	11.10	16.08

* Generation in open cycle assumed to be 1%


 (Petitioner)