



Indraprastha Power Generation Company Limited

(An Undertaking of Govt. of NCT of Delhi)

Corporate Identity Number (CIN) – U40103DL2001SGC111530

(Regd. Off: "Himadri", Rajghat Power House Complex, New Delhi-110002)

No. IPGCL/Comml./F.12/135

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

To, Secretary
+ 15 sets
+ DDRs. 100000/-

DD No. 851224



Dt. 07.12.2023

Subject: Filing of Tariff Petition under section 62 of the Electricity Act, 2003 for truing up of tariff for FY 2022-23 and determination of tariff & ARR for FY 2024-25 for GTPS Station.

Ref: DERC letter No. F.3(730)/Tariff/DERC/2023-24/7911/1842 dt 14.11.2023.

Sir,

Please find enclosed herewith the petition for truing up of tariff for FY 2022-23 and ARR for FY 2024-25 of GTPS station (six sets).

The filing fees of Rupees One Lakh vide Demand Draft No.851224 dated 05.12.2023 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 (Comml.)

Encl: As above

**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 trulng up of tariff for FY
2022-23 and determination of tariff & ARR for FY
2024-25 of GTPS Station.

AND

IN THE MATTER Indraprastha Power Generation Company Limited
OF Regd. Office "Himadri", Rajghat Power House Complex,
New Delhi - 110002

...PETITIONER

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Filed by:



Indraprastha Power Generation Company Limited

PETITIONER

Place: New Delhi

Date: 07.12.2023

Director (Technical)
Indraprastha Power Generation Co. Ltd.
(A Govt. of NCT of Delhi Undertaking)
'Himadri' RPH Complex, New Delhi-02



सत्यमेव जयते

INDIA NON JUDICIAL

Government of National Capital Territory of Delhi

e-Stamp

Certificate No.	: IN-DL07817605380765V
Certificate Issued Date	: 05-Dec-2023 02:20 PM
Account Reference	: IMPACC (IV)/ dl782603/ DELHI/ DL-DLH
Unique Doc. Reference	: SUBIN-DL78260380095194431848V
Purchased by	: IPGCL
Description of Document	: Article 4 Affidavit
Property Description	: Not Applicable
Consideration Price (Rs.)	: 0 (Zero)
First Party	: IPGCL
Second Party	: Not Applicable
Stamp Duty Paid By	: IPGCL
Stamp Duty Amount(Rs.)	: 10 (Ten only)



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

IN THE MATTER Filing of Tariff Petition under section 62 of the Electricity Act, 2003 for truing up of tariff for FY 2022-23 and determination of tariff & ARR for FY 2024-25 of GTPS Station.

AND

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

[Signature]

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AFFIDAVIT VERIFYING DOCUMENTS/INFORMATION

I, Mukesh Kumar Sharma S/o Kanti Prasad Sharma aged about 59 years, Resident of Flat No. 97, Pocket-F, DDA SFS Flats, Seikh Sarai, Ph-1, New Delhi-110017, looking after the work of 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.

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.

Verified at New Delhi on this 7th day of December 2023.



17 DEC 2023

DEPONENT

Director (Technical)
Indraprastha Power Generation Co. Ltd.
(A Govt. of NCT of Delhi Undertaking)
Himadri RPH Complex, New Delhi-02

DEPONENT

Director (Technical)
Indraprastha Power Generation Co. Ltd.
(A Govt. of NCT of Delhi Undertaking)
Himadri RPH Complex, New Delhi-02

ATTESTED

NOTARY PUBLIC
DELHI

BEFORE THE HON'BLE DELHI ELECTRICITY REGULATORY COMMISSION

Petition No. : of 2023

**IN THE MATTER OF Filing of tariff Petition under section 62 (2) of the
Electricity Act, 2003 for truing up of expenses for FY
2022-23 and ARR for FY 2024-25 of GTPS station.**

AND

**IN THE MATTER OF Indraprastha Power Generation Company Limited
Regd. Office "Himadri", Rajghat Power House Complex,
New Delhi - 110002**

PETITIONER

THE APPLICANT ABOVE NAMED RESPECTFULLY SUBMITS

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State Commission (hereinafter referred as 'DERC') determines the tariff of GTPS power station which supplies power within the Delhi states only.

5. Earlier, the Gas Turbine Power Station (GTPS) operates with a total installed capacity of 270 MW. However the PPA of GTPS station was expired in 31st March 2021. Accordingly, Hon'ble DERC vide its order dated 24.03.2021 in Petition No. 35/2020 has accorded 'In-principle' approval for Life extension of this station for further 10 years beyond March, 2021 and allowed the extension with following provisions:
 - a) 90 MW (Base Load Capacity) funded through CAPEX; and
 - b) 120 MW (Synchronous Mode Operation) to be funded through PSDF subject to provisions of DERC (Power System Development Fund) Regulations, 2019.
6. Further, aggrieved by the certain decisions of Hon'ble DERC on the matter, petitioner has filed review petition no. 30 of 2021 in DERC. Therefore, petitioner is filing this petition without prejudice to the outcome in RP no. 30 of 2021.
7. 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 02.11.2023. It is submitted that the accounts of IPGCL for the FY 2022-23 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.
8. The Petitioner is filing the present petition in line with the provisions of DERC regulations for truing up of tariff for FY 2022-23 based on provisional accounts and determination of ARR & tariff for FY 2024-25 based on projections and requesting the Hon'ble Commission to admit the petition.

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

9. IPGCL proposes to make submissions to the Hon'ble Commission in support of this Petition as under:
 - ❖ Operational Parameters for GTPS
 - ❖ Financial Parameters for GTPS
 - ❖ Capital Expenditure for GTPS
 - ❖ Prayer
10. Since the station has completed its useful life of more than 25 years, the operating norms specified by DERC in its Business Plan Regulations for GTPS is not achievable and the station is incurring losses on account of less recovery of fuel cost due to following reasons i.e., partial operation of the units, frequent start/stops, Higher Auxiliary Power Consumption (APC) and Heat Rate etc. It is therefore requested to Hon'ble Commission to allow the Heat rate and APC on actual basis.
11. It is submitted that the Hon'ble Commission vide its order dated 24.03.2021 has allowed the capital infusion of Rs 90.80 Cr towards 90 MW and does not allow any further additional Capex during the extended life of 10 years, over and above the initial retrofit. In this regard it is to submit that the Operation and Maintenance expenses on Gas Turbine repair is cyclic in nature as type of maintenance required in Gas Turbines depends upon no. of running hours of the machine. There are several parts/components in the machine which shall be required to be replaced time to time, otherwise plant may get shut down and not in a position to revive further without replacing the components since the validity/useful life of these parts is less than 10 years. Accordingly, in addition to allowed Capex, the Hon'ble Commission is

requested to allow expenditure on account of purchase of capital spares in addition to normative O&M expenses in line with CERC Regulations, 2019.

12. It is submitted that DERC has allowed the Capex of Rs 30.00 Cr for the period from FY 2023-24 to FY 2024-25 out of total allowed expenses of Rs 90.80 Cr with an escalation of 15% towards renovation and modernization of 90 MW vide its order dated 24.03.2021. However, the above Capex has not yet been incurred and is under process subject to approval of the Board and the Government. Therefore Hon'ble Commission is requested to spill over the Capex Schemes to subsequent years.
13. It is submitted that DERC has notified the Business Plan Regulation, 2023 on 29.03.2023 for the Control period from FY 2023-24 to FY 2025-26. Being aggrieved by the certain Regulations specified in Business Plan Regulations 2023, Petitioner has filed the Writ Petition before the Hon'ble High Court of Delhi challenging the impugned Regulation. Therefore Petitioner is filing present petition without prejudice to the outcome of Writ Petition.
14. It is submitted that Delhi Islanding Scheme was framed by NRPC on the recommendation of Enquiry Committee constituted under Ministry of Power, GoI for providing remedial measures on occurrences of grid collapse on 30th & 31st July, 2012. The objective of framing Islanding Scheme is to isolate Delhi in case of any grid disturbance so that emergency loads of essential services are not affected. The islanding scheme ensure power supply for critical installation of national and international important like Parliament, Central Sectt., Rashtrapati Bhawan, AIIMS, RML Hospital, LG House, Embassies , Delhi Metro, Indian Railways and nearby areas etc. with internal power generation through generating stations of IPGCL & PPCL. Non-scheduling of power by Delhi Discoms from generating stations of IPGCL & PPCL may lead to instability in the grid. . This non-scheduling of power also leads to non-utilization of contracted gas quantity. 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 GTPS. This will also help in avoiding Take or Pay Liability on distribution licensees on account of non-utilization of gas.

15. 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

16. The operational parameters specified by the Hon'ble Commission for FY 2022-23 and FY 2024-25 as per DERC (Business Plan) Regulations, 2019 and DERC (Business Plan) Regulations, 2023 respectively are as under:-

Table 3-1: Operational Parameters allowed by DERC

Description	UoM	FY 22-23	FY 24-25
Station Heat Rate (CC)	kCal/kWh	2450	2450
Station Heat Rate (OC)	kCal/kWh	3125	3125
Auxiliary Consumption (CC)	(%)	2.75	2.75
Auxiliary Consumption (OC)	(%)	1.00	1.00
Availability (NAPAF)	(%)	85	85
PLF (NAPLF)	(%)	85	85

17. It is submitted that the Station has completed its useful life in March 2021. Afterwards, the plant was run beyond its useful life and the Hon'ble commission vide its notification dated 29.03.2023 for Business Plan Regulations, 2023 has wrongly fixed the target norms against the norms submitted by the petitioner for GTPS station and against the principle of degradation with the operating life, which leads to a situation of under recoveries of fixed as well as variable cost. The Hon'ble Commission has failed to appreciate that the Petitioner's generating plant is more than 27 years old and is running on around 20-25% capacity due to less scheduling from Distribution Companies (DISCOMs).
18. Further, the Commission failed to acknowledge its own earlier tariff orders of IPGCL wherein the Commission had given relaxation to the norms while fixing the targets for the generating stations of IPGCL. The relevant extract of Tariff Order dated 13.07.2012 is as under:

“Commission’s Analysis

5.88 The GTPS station is 25 years old and has already completed its useful life. The Commission notes that the CERC has also specified separate norms for O&M for the older generating stations.

5.89 Considering the old age of the station and the requirement of higher O&M the Commission has not imposed any efficiency factor on the approved O&M expenses for the Station for the Control Period.”

3.1 Station Heat Rate

19. The Hon’ble Commission has allowed the station heat rate of 2450 kCal/kWh in combined cycle operation and 3125kCal/kWh in open cycle mode for the Gas Turbine Power Station as per DERC Business Plan Regulations, 2019 and DERC Business Plan Regulations, 2023 which is very low as compared to the actual heat rate achieved by the station for the period FY 2022-23. The table below depicts the actual heat rate achieved by the station for FY 2022-23:-

Table 3-2: Actual Station Heat Rate

Description	UoM	FY 22-23
SHR (CC)	kCal/kWh	2570
SHR (OC)	kCal/kWh	3434

20. From the above table it is clear that the heat rate achieved by the station is on higher side as compared to the target allowed by the Hon’ble Commission. The deterioration in heat rate is due to frequent start/stops and part load operation of the units. Hence, IPGCL requests Hon’ble Commission to relax the norms of SHR and allow the heat rate on actual basis for FY 2022-23.

21. From the past record, it has been observed that there has been substantial gap between Availability and PLF of the station which has adversely affected the heat rate of the station. The Hon’ble Commission has failed to

acknowledge the submission made by the petitioner while submitting Business Plan Regulation that the plant being around more than 27 years old and the normative Heat rate could not be achieved by the Petitioner as such because due to high gas prices, the plant is not getting the desired schedule. The below table demonstrates the actual Heat Rate of achieved by the station since FY 2017-18:

Table 3-3: Heat Rate achieved by the Station (kCal/kWh)

Description	FY 17-18	FY 18-19	FY 19-20	FY 20-21	FY 21-22
SHR (CC)	2472	2517	2512	2459	2513
SHR (OC)	3444	3429	3485	3493	3434

22. The Central Electricity Regulatory Commission in its latest tariff regulation for FY 2019-24 has fixed a Heat rate of 2600 kCal/kWh in combined cycle mode and 3578 kCal/kWh in open cycle mode for similar Assam gas station of NEEPCO which consists of similar class of gas turbines as of GTPS. Therefore, IPGCL request Hon'ble Commission to relax the norms of SHR and allow the heat rate for FY 2022-23 and FY 2024-25 as shown under:

Table 3-4: Proposed Station Heat Rate (kCal/kWh)

Description	UoM	FY 22-23	FY 24-25
SHR (CC)	kCal/kWh	2570	2600
SHR (OC)	kCal/kWh	3434	3578

3.2 Auxiliary Power Consumption (APC)

23. It is submitted that the Plant has to maintain its auxiliary whether it is running on half capacity or full capacity. However, the actual APC achieved by the station for the period FY 2022-23 is on higher side due to partial operation of the units and non-scheduling of plants up to available generation. The actual APC achieved by the station for the period FY 2022-23 is shown as under:-

Table 3-5: Auxiliary Power Consumption

Description	UoM	FY 22-23
APC(CC)	(%)	5.46
APC(OC)	(%)	1.00

24. In the past years also the APC of the plant is on higher side due to which petitioner suffered losses on account of higher APC. The actual APC for the period from FY 2017-18 to FY 21-22 is shown as under:-

Table 3-6: Auxiliary Power Consumption of the station (%)

Description	FY 17-18	FY 18-19	FY 19-20	FY 20-21	FY 21-22
APC (CC)	3.78	3.76	3.97	4.44	5.89

25. In view of above, Hon'ble Commission is requested to relax the norms of APC and allow the APC for FY 2022-23 and FY 2024-25 as shown under:

Table 3-7: Proposed Auxiliary Power Consumption (%)

Description	UoM	FY 22-23	FY 24-25
APC (CC)	kCal/kWh	5.46	5.46
APC (OC)	kCal/kWh	1	1

3.3 Availability

26. The Hon'ble Commission has fixed the norm of 85% availability factor for full fixed cost recovery. However, the station availability during FY 2022-23 is 91.79%. Petitioner has been making its best effort to make the plant available for generation of power on its full capacity. Petitioner has an agreement with GAIL for supply of 0.60 MMSCMD RLNG gas to GTPS in May 2009 for 20 years subject to Take or Pay clause and also the petitioner has time to time signed the GSPN for imported Gas in case of shortage of gas. Therefore, Plant has sufficient availability of gas to achieve the target

availability of 85% for FY 2024-25. Accordingly, Hon'ble Commission is requested to allow the availability for FY 2022-23 and for FY 2024-25 as shown under:

Table 3-8: Proposed Availability (%)

Description	UoM	FY 22-23	FY 24-25
Plant Availability	(%)	85	85

3.4 Gross Generation and Net Generation

27. On the basis of above, the Gross and Net Generation of GTPS station during FY 2022-23 and FY 2024-25 is shown here as under:-

Table 3-9: Gross and Net Generation

Sr. No.	Description	UoM	FY 22-23	FY 24-25
A	Plant Capacity	MW	90	90
B	PLF	%	42.07	85
C	Gross Generation	MU	331.661	670.14
D	Aux. Cons.	%	5.41	5.46
E	Aux. Cons.	MU	17.94	36.59
F	Net Gen.	MU	313.718	633.55

Chapter 4 : Energy Charge Rate and Fuel Cost

This Chapter deals with the fuel sources of GTPS and its consumption throughout the year along with the fuel cost arrived for the year FY 2022-23 and estimated for FY 2024-25.

4.1 Fuel Consumption

28. GT station of IPGCL runs on the Natural Gas being supplied by GAIL. Earlier GTPS has an allocation of 0.84 MMSCMD domestic gas from MoPNG. However APM gas allocation was reduced to zero since 16.06.2021 on the direction of MOP&NG. Therefore, Petitioner has an agreement with GAIL for supply of 0.6 MMSCMD RLNG gas. As per the agreement with GAIL, the contracted quantity is subject to Take or Pay clause. Accordingly, the Petitioner is to bear the cost of this contracted quantity even if there is no off take of supply. Petitioner is also using spot R-LNG, subject to amount of power schedule and requirement of RLNG to meet the shortage of gas, if any.

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

30. Further, DERC vide its order dated 24.03.2021 directed IPGCL to declare availability on 90 MW for GTPS. Accordingly, the total gas required to run the 90 MW on full load (2 GT's and 1 STG) is $= 0.24 \times 2 = 0.48$ MMSCMD. Thus, GTPS has sufficient gas to run the GT's on base load.

31. Further, as per DERC order dated 09.10.2021 & 21.10.2021, plant was allowed to run on any gas upto 90 MW capacity. The relevant extract of DERC order dated 09.10.2021 is as under:-

"2. After going through the prayers made by the Petitioner and due to scarcity/non-availability of APM gas, we are of the considered opinion that the direction 83 b) of Order dated 24.03.2021 be relaxed and the same is revised as follows:

As per Order dated 24.03.2021:

"83 b) IPGCL to declare availability for 90 MW of GTPS only on Administered Pricing Mechanism (APM) gas or cheaper gas than APM Gas used by the Generating Station, if any"

Revised:

"IPGCL to declare availability for 270 MW of GTPS on Administered Pricing Mechanism (APM) gas or any other alternative fuel available, as an interim measure, until further Orders."

The relevant extract of DERC order dated 21.10.2021 is as under:-

"2. It is observed that since 9/10/2021 till 20/10/2021, the average schedule from GTPS to Delhi is around 31.5 MW at Regasified Liquefied Natural Gas (RLNG). The Petitioner has also mentioned about the non-availability of APM gas."

3. The Interim Order dtd. 9/10/2021 is vacated. Further, due to scarcity/non-availability of APM gas, we are of the considered opinion that the direction 83 (b) of the Order dtd. 24/03/2021 be modified as follows:

"83 b) IPGCL to declare availability for 90 MW of GTPS on Administered Pricing Mechanism (APM) gas or any other alternative fuel available, as an interim measure, until further Orders."

32. Based upon the allocation, the total gas consumption during FY 2022-23 is shown as below:

Table 4-1: Total Gas Consumption of GTPS

Description	UoM	FY 22-23
R-LNG Gas	MMSCM	90.23967
Total Gas	MMSCM	90.23967

4.2 Energy Charge Rate and Fuel Cost

33. 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:

$$(b) \text{ For gas and liquid fuel based stations } ECR = GHR \times LPPF \times 100 / \{CVPF \times (100 - AUX)\}$$

Where, AUX = Normative auxiliary energy consumption in percentage;

CVPF = (b) Weighted Average Gross calorific value of primary fuel as received, in kCal per kg, per litre or per standard cubic meter, as applicable for lignite, gas and liquid fuel based stations;

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, in Rupees per kg, per litre or per standard cubic metre, as applicable, during the month."

34. 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. Due to 100% cut in Domestic Gas supply since 16.06.2021, Plant is run on imported Gas only.

35. Fuel cost for FY 2024-25 has been computed considering the heat rate of 2600 kCal/kWh in combined cycle mode @ PLF of 85%. The weighted average price of the Gas has been computed by considering the Gas consumption and its price for preceding three months i.e. August to October, 2023. The weighted average landed price of gas comes around 47.538 Rs/SCM and weighted average GCV is 9453.023 kCal/SCM. The detailed calculation is attached and placed as **Annexure 'A'**.

36. The details of actual fuel cost incurred for FY 2022-23 and estimated for FY 2024-25 is depicted in the following table as under:

Table 4-2: Energy Charge Rate and Fuel Cost

Particulars	Unit	FY 22-23	FY 24-25
Total Gas Cons.	MMSCM	90.240	184.318
Average Gas Price	Rs./ SCM	53.838	47.538
Weighted Average GCV	kCal/ SCM	9446.683	9453.023
Total Gas Cost	Rs. Crores	485.83	876.21
Net Generation	MU	313.718	633.55
Variable Cost - CC	Rs./kWh	15.486	13.830

Chapter 5 : Estimation of Fixed Cost

This Chapter deals with the fixed cost parameters achieved for FY 2022-23 & projected for FY 2024-25 as per DERC (Terms and Conditions for determination of Tariff) Regulations 2017, Business Plan Regulations 2019 & Business Plan Regulations 2023 as applicable to relevant period.

5.1 Parameters for Fixed Cost

37. As per DERC (Terms and conditions for determination of tariff) Regulations 2017, 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

38. Hon'ble Commission has specified the Normative Operation and Maintenance expenses in DERC Business Plan Regulations, 2019 & DERC Business Plan Regulations 2023 for the period from FY 2022-23 to FY 2024-25 as under:

Table 5-1: O&M Expenses (Rs. Lakh/ MW)

Station	2022-23 (Rs. Lakh/ MW)	2023-24 (Rs. in Cr)	2024-25 (Rs. in Cr)
GTPS	31.75	33.11	34.65

39. Hon'ble Commission vide its Order dated 24.03.2021 has stated that actual O&M expenses for 120MW of operation of GTPS in synchronous mode operation will be allowed. Therefore, the Hon'ble Commission has intended to allow the total O&M expenses of GTPS. The provisional O&M expenses incurred for GTPS for FY 2022-23 including headquarters share is Rs. 74.55 Crore. Further it is to submit that the above expenses include an arrear of Rs 9.57 Lacs in FY 2022-23 to the employees of IPGCL for the past period on account of 7th Pay Commission implementation. Therefore, it is requested to DERC to allow the same on actual basis.

40. As per Regulation 6(3) of BPR, 2023, the O&M expenses shall be allowed during True-up after considering the actual O&M expenses subject to Prudence Check which will be lower of Actual or above tabulated Normative O&M expenses. This statement is contradictory. Since the actual O&M expenses incurred may be more or less than the normative expenses allowed by the Commission, therefore, by considering the O&M expenses lower of Actual or normative will cause loss to the generator.
41. It is submitted that the maintenance activities of Gas Turbines which are Combustion Inspection (CI), Hot Gas Path Inspection (HGPI), Major Inspection (MI) are cyclic in nature and depend upon the running hours of the machines. 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. Therefore, Hon'ble Commission is requested to allow the higher of Actual or above tabulated Normative O&M expenses. The Hon'ble Commission has allowed inflation of 4.66% in Business Plan Regulations, 2023 for O&M expenses from FY 2023-24 to FY 2024-25. Accordingly, O&M expenses for FY 2024-25 has been computed by allowing inflation growth rate of 4.66% twice on provisional O&M expenses of FY 2022-23.
42. In view of above, Hon'ble Commission is requested to allow the O&M expenses for FY 2022-23 and projected for FY 2024-25 as under:-

Table 5-2: O & M Expenses (Rs in Cr)

S.No.	Particulars	UoM	FY 22-23	FY 24-25
A	O&M expenses	Rs Cr.	74.55	81.66

5.3 Capital Expenditure

43. Hon'ble Commission in its tariff order dated 30.09.2021 has approved the opening GFA of Rs. 123.87 Cr for retrofitting of 1 module (i.e. 90 MW) (inclusive of remaining depreciable value of 210 MW capacity) provisionally subject to prudence check at the time of Truing-up. Assuming Proportionate value for retained asset of 210 MW out of 270 MW of Rs 33.06 Cr.
44. Hon'ble Commission vide its order dated 24.03.2021 allowed Capex amounting to Rs 90.00 Cr for GTPS plant for its life extension for combined cycle operation. IPGCL has planned to use this expenditure in phase manner without affecting the plant generation. Therefore, out of Rs 90.00 Cr, the Hon'ble Commission has allowed the Capex of Rs 25.00 Cr for FY 2022-23 in DERC Business Plan Regulations, 2023. However the scheme was not implemented in FY 2022-23. Accordingly, it is requested to Hon'ble Commission to spill over the above Capex schemes for the FY 2024-25 and allow the total Capex of Rs 47.90 Cr for FY 2024-25. The above schemes are to be implemented subject to the approval of the Board.
45. Since no capital investment/Capex was done by GTPS on account of retrofitting of 1 module during the FY 2021-22 and FY 2022-23, IPGCL has considered the opening GFA of Rs 33.06 Cr. However, the Station has made the capitalisation of Rs 0.21 Cr towards Capital Spare during FY 2022-23. Also an amount of Rs. 1.03 Cr. has been de-capitalized for the period FY 2022-23.
46. Accordingly, the GFA of GTPS plant for the period from FY 2022-23 to FY 2024-25 is shown here as under:-

Table 5-3: Capital Expenditure

S.No.	Particulars	Unit	FY 22-23	FY 23-24	FY 24-25
A	Opening GFA	Rs in Cr.	33.06	32.24	32.24
B	Addition	Rs in Cr.	0.21	0.00	47.90
C	Deletion	Rs in Cr.	1.03	0.00	0
D	Closing GFA	Rs in Cr.	32.24	32.24	80.14
E	Average GFA	Rs in Cr.	32.65	32.24	56.19

5.4 Depreciation

47. The Hon'ble Commission has specified the provisions for calculating depreciation in regulation 78 to 83 of tariff regulations, 2017. Based on the provisions of these regulations, IPGCL has calculated the depreciation for FY 2022-23 & FY 2024-25 as under:-

Table 5-4: Details of Depreciation

S.No.	Particulars	Unit	FY 22-23	FY 24-25	Remarks
A	Average GFA	Rs in Cr.	32.65	56.19	Table 5-3
B	Opening Accumulated Depreciation	Rs in Cr.	2.98	8.22	As per DERC tariff order dt 30.09.2021
C	Balance Depreciation	Rs in Cr.	26.41	42.35	$C = 90\% \text{ of } A - B$
D	Balance useful life opening	Years	9	7	
E	Current Year Depreciation	Rs in Cr.	2.93	6.05	$E = C/D$
F	Depreciation on account of retired Assets	Rs in Cr.	0.66	0.00	
G	Closing Accumulated Depreciation	Rs in Cr.	5.25	14.27	$B + E - F$
H	Average Accumulated Depreciation	Rs in Cr.	4.11	11.25	$(B + G)/2$
I	Average Net Fixed Asset	Rs in Cr.	28.54	44.94	$A - H$

5.5 Working Capital

48. The State Commission has not determined the Tariff order for FY 2022-23. Therefore, petitioner has calculated the working capital based on actual performance of the station for FY 2022-23 @ Normative parameters. Further, Petitioner has calculated the working capital for FY 2024-25 by considering the weighted Avg. fuel gas price for the period from Aug-23 to Oct-23 @ Normative parameters as shown in table 4-2 above.

49. In view of above, the working capital requirement for FY 2022-23 and FY 2024-25 is calculated as under:-

Table 5-5: Requirement of Working Capital

S.No.	Particulars	Unit	FY 22-23	FY 24-25
A	Fuel expenses for 1 month	Rs Cr	77.98	73.02
B	Liquid Fuel for 1/2 month	Rs Cr	0.00	0.00
C	Maintenance spares @ 30% of O&M	Rs Cr	22.36	24.50
D	O&M expenses for 1 month	Rs Cr	6.21	6.81
E	Annual Fixed Cost for the year	Rs Cr	100.07	115.80
F	Fuel Cost for the year	Rs Cr	935.71	876.21
G	Receivables equivalent to 2 months of capacity and energy charge	Rs Cr	172.63	165.34
H	Total Working Capital	Rs Cr	279.18	269.66

50. In view of above, Hon'ble Commission is requested to allow the working capital for FY 2022-23 and as estimated for FY 2024-25 as proposed above.

5.6 Requirement of Loan and Equity

51. The GTPS plant has completed its useful life in March 2021. Thereafter, the Hon'ble Commission has extended its life for further 10 years. Since 90% depreciated value has been recovered through tariff orders of DERC, petitioner has considered the debt:equity ratio of 70:30 for FY 2022-23 and estimated for FY 2024-25. Accordingly, petitioner has determined the requirement of Loan and Equity as follows:-

Table 5-6: Requirement of Loan & Equity

S.No.	Particulars	Unit	FY 22-23	FY 24-25	Remarks
A	Average Net Fixed Asset	Rs in Cr.	28.54	44.94	Table 5-4
B	Average Equity	Rs in Cr.	8.56	13.48	30% of A
C	Average CAPEX Loan	Rs in Cr.	19.98	31.46	70% of A
D	Working Capital Loan	Rs in Cr.	279.18	269.66	Table 5-5
E	Total Loan	Rs in Cr.	299.16	301.12	C + D
F	Average RRB	Rs in Cr.	307.72	314.60	B + E

Tariff Petition for True-up of Expenses of GTPS for FY 2022-23 & ARR for FY 2024-25

loan for FY 22-23 has been considered as 7.00% in FY 2022-23 on the basis of SBI MCLR as on 01.04.2022 and for FY 2024-25 current SBI MCLR of 8.55% has been considered.

56. It is submitted that Petitioner has considered the base rate of return on equity @ 14% for FY 2022-23 and @ 13% for FY 2024-25 as per DERC (Business Plan Regulations), 2019 and 2023 respectively and the same has been grossed up with rate of income tax @ 25.168%. Accordingly the grossed up rate of return on equity has been computed @ 18.709% for FY 2022-23 and @17.372% for FY 2024-25.

57. In view of above, Petitioner has computed the Weighted Average Cost of Capital (WACC) and Return on Capital Employed (RoCE) for FY 2022-23 and projected for FY 2024-25 as follows:

Table 5-7: WACC and RoCE

S.No.	Particulars	Unit	FY 22-23	FY 24-25	Remarks
A	Average RRB	Rs in Cr.	307.72	314.60	Table 5-6
B	Total Loan	Rs in Cr.	299.16	301.12	Table 5-6
C	Average Equity	Rs in Cr.	8.56	13.48	Table 5-6
D	Cost of Debt, Rd	%	7.00	8.55	
E	Return on Equity, Re	%	18.709	17.372	
F	WACC	%	7.33	8.93	As per DERC Regulation, 2017
G	RoCE	Rs in Cr.	22.54	28.09	$G = A * F$

5.8 Summary of Fixed Cost

58. The DERC tariff regulation 2017 has following provisions regarding fixed cost which reads as under:-

“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 2022-23 and for FY 2024-25 is computed as under:-

Table 5-8: Annual Fixed Cost

S.No.	Particulars	Unit	FY 22-23	FY 24-25	Remarks
A	Return on Capital Employed	Rs Cr	22.54	28.09	Table 5-7
B	Depreciation	Rs Cr	2.93	6.05	Table 5-4
C	Operation and Maintenance Expenses	Rs Cr	74.55	81.66	Table 5-2
D	Annual Fixed Cost	Rs Cr	100.02	115.80	E = A+B+C+D
E	Net Generation	MU	313.718	646.69	Table 3-10
F	Fixed Cost Per Unit	Rs/ kWh	3.188	1.83	G = E/F*10

59. On the basis of above submissions, Hon'ble Commission is requested to allow the fixed cost for FY 2022-23 and FY 2024-25 as shown in the table above.

Chapter 6 : Prayer

7.1 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 2022-23 and projected for FY 2024-25.
- ❖ To approve the operational and financial parameters as proposed for FY 2022-23 and FY 2024-25.
- ❖ To consider the impact on performance of thermal generating stations due to part load operation, frequent start/stops etc.
- ❖ To grant relief by using its power of relaxation 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.



(MUKESH KUMAR SHARMA)

DIRECTOR (TECH.)

Indraprastha Power Generation Company Limited

PETITIONER

Director (Technical)

Indraprastha Power Generation Co. Ltd.
(A Govt. of NCT of Delhi Undertaking)
'Himadri' RPH Complex, New Delhi-02


Place: New Delhi

Date: 07.12.2023

Working Capital Requirement for FY 24-25

Month	Particular	UoM	Domestic	Imported	Total	Net	LPPF
Aug-23	QTY	('000)SCM	0	7343.783	7343.78	20484.04	47.538
	Amt.	Rs. in Cr.	0	33.547	33.547	97.38	
	GCV	kCal/SCM	0	9459.497	9459.497	9453.023	
Sep-23	QTY	('000)SCM	0	5472.40	5472.40		
	Amt.	Rs. in Cr.	0	25.263	25.26		
	GCV	kCal/SCM	0	9403.633	9403.63		
Oct-23	QTY	('000)SCM	0	7667.86	7667.86		
	Amt.	Rs. in Cr.	0	38.568	38.57		
	GCV	kCal/SCM	0	9482.072	9482.07		

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 fag 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 Loan	✓
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	Expendiure 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 ¹	✓

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	N/A
	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.	N/A
		B. Stationwise and Corporate audited Balance Sheet and Profit & Loss Accounts with all the Schedules & annexures for the existing stations for the relevant years.	N/A
	3	Copies of relevant loan Agreements	N/A
	4	Copies of the approval of Competent Authority for the Capital Cost and Financial package	N/A
	5	Copies of the Equity participation agreements and necessary approval for the foreign equity	N/A
	6	Copies of the BPSA/PPA with the beneficiaries, if any	N/A
	7	Detailed note giving reasons of time and cost over run, if applicable. List of supporting documents to be submitted: a. Detailed Project Report b. CPM Analysis c. PERT Chart and BAR Chart d. Justification for cost and time overrun	N/A
	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)	N/A
	10	Re-conciliation with balance-sheet of any actual additional capitalisation and amongst stages of a generating station.	N/A
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. However the documents to be provided at Sl. No. 8 will be submitted later after finalisation of accounts.			
			 Petitioner

Summary Sheet

Name of the Company : Indraprastha Power Generation Company Limited


Name of the Power Station: Gas Turbine Power Station


Place (Region / District / State): Delhi

S.No.	Particulars	Unit	2022-23	2024-25
1	2	3	4	5
1.1	Depreciation	Rs. Crore	2.93	6.05
1.2	Interest on Loan	Rs. Crore	1.40	2.69
1.3	Return on Equity ¹	Rs. Crore	1.60	2.34
1.4	Interest on Working Capital	Rs. Crore	19.54	23.06
1.5	O & M Expenses(Actual)*	Rs. Crore	74.55	81.66
1.7	Compensation allowance (if applicable)	Rs. Crore	0	0
1.8	Special allowance (if applicable)	Rs. Crore	0	0
	Total	Rs. Crore	100.02	115.80
2.1	Landed Fuel Cost (Domestic : Gas)	Rs./SCM		
	(%) of Fuel quantity	(%)		
2.2	Landed fuel cost (Imported: Gas)	Rs./SCM	53.84	47.54
	(%) of Fuel quantity	(%)	100	100
2.3	Secondary Fuel Oil Cost	Rs./Unit		
	Energy charges Rate ex-bus (paise/Kwh) from Natural Gas (Combined Cycle)	Rs./Unit	15.432	13.785
	Energy charges Rate ex-bus (paise/Kwh) from Natural Gas (Open Cycle)	Rs./Unit	19.768	18.175

* O&M will be considered on Actual basis for FY 2022-23 and the same will be escalated @ 4.66% twice for FY 2024-25.


 Petitioner

Form-1(I)			
Statement Showing Claimed Capital Cost			
Name of the Petitioner: Indraprastha Power Generation Company Limited			
Name of the Generating Station: Gas Turbine Power Station			
Place (Region / District / State): Delhi			
(Rs in Crore)			
Sl. No.	Particulars	2022-23	2024-25
<i>1</i>	<i>2</i>	<i>3</i>	<i>4</i>
A	Opening Capital Cost	33.06	32.24
B	Addl: Addition during the year/ period	0.21	47.90
C	Less: Decapitalization during the year / Period	1.03	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	32.24	80.14
G	Average Capital Cost	32.65	56.19
H	Average Net Fixed Assets	28.54	44.94
 Petitioner			

FORM-1(II)			
Statement Showing Return on Equity			
Name of the Company : Indraprastha Power Generation Company Limited			
Name of the Power Station: Gas Turbine Power Station			
Place (Region / District / State): Delhi			
(Rs in Crore)			
Sl. No.	Particulars	2022-23	2024-25
1	2	3	4
A	Opening Equity	9.92	9.67
B	Add: Increase due to Addition during the year/ period	0.06	14.37
C	Less: Decrease due to Decapitalization during the year / Period	0.309	0
D	Less: Decrease due to reversal during the year /period	0	0
E	Add: Increase due to Discharges during the year/ period	0	0
F	Closing Equity	9.67	24.04
G	Average Equity	9.80	16.86
H	Average equity for the purpose of computation of tariff based on Net Fixed Assets	8.56	13.48
I	Rate of RoE	18.71	17.37
J	Return of Equity	1.60	2.34
		 Petitioner	

Plant Characteristics

Name of the Company : Indraprastha Power Generation Company Limited

Name of the Power Station: Gas Turbine Power Station

Place (Region / District / State): Delhi

Units(s)/ Block(s) Parameters	GT-I	GT-2	GT-3	GT-4	GT-5	GT-6	STG-I	STG-II	STG-III
Installed Capacity (MW)	30	30	30	30	30	30	30	30	30
Schedule COD as per Investment Approval									
Actual COD/ Date of taken Over (as applicable)	14.05.1986	28.05.1986	24.05.1986	31.07.1986	31.08.1986	15.11.1986	20.03.1995	31.10.1995	26.03.1996
Pit Head or Non pit Head	NA	NA	NA	NA	NA	NA	NA	NA	NA
Name of the Boiler Manufacture	NA	NA	NA	NA	NA	NA	BHEL		
Name of Turbine Generator Manufacture	GE						BHEL		
Main Steams pressure at Turbine Inlet (kg/Cm ²) ^{abs} ¹							40	40	40
Main Steam temperature at Turbine Inlet (°C) ¹							500	500	500
Reheat Steam Pressure at turbine Inlet (kg/Cm ²) ¹							NA	NA	NA
Reheat Steam temperature at Turbine Inlet (°C) ¹							NA	NA	NA
Main Steam flow at Turbine Inlet under MCR condition (tons/hr) ²							110	110	110
Main Steam flow at Turbine Inlet under VWO condition (tons/hr) ²							115.5	115.5	115.5
Unit Gross electrical output under MCR/Rated condition (MW) ²							32.5	32.5	32.5
Unit Gross electrical output under VWO condition (MW) ²							34.125	34.125	34.125
Guaranteed design Gross Turbine Cycle Heat Rate (kCal/kWh) ³	3188	3188	3188	3188	3188	3188	2805	2805	2805
Condition on which design turbine cycle heat rate guaranteed	Temp=31.5C,Altitude 216m, Net Frequency 50 Hz								
%MCR	NA	NA	NA	NA	NA	NA	100	100	100
% Makeup Water Consumption	NA	NA	NA	NA	NA	NA	0	0	0
Design Capacity of Make up water system									
Design Capacity of Inlet cooling system							25000 Cubic meter per hour		
Design Cooling Water Temperature (°C)	NA	NA	NA	NA	NA	NA	32.5	32.5	32.5
Back Pressure	NA	NA	NA	NA	NA	NA	0.101		
Steam Flow at super heater outlet under BMCR condition (tons/hr), HRSG#1 & HRSG#2							62.8	62.8	62.8
Steam pressure at super heater outlet under BMCR condition (kg/cm ²), HRSG#1 & HRSG#2							41.5	41.5	41.5
Steam Temperature at super heater outlet under BMCR condition (°C), HRSG#1 & HRSG#2							502	502	502
Steam Temperature at Reheater outlet at BMCR conditon (°C)							NA	NA	NA
Design/ Guaranteed Boiler Efficiency (%) ⁴							Not Available		
Design fuel specification for guaranteed parameters (%)	NG, HSD, Naptha	NG, HSD, Naptha	NG, HSD, Naptha	NG, HSD, Naptha	NG, HSD, Naptha	NG, HSD, Naptha	Waste Heat	Waste Heat	Waste Heat
Type of cooling Tower	Mechanical Induced Draft Type								
Type of cooling System ⁵	Closed circuit cooling								
Type of Boiler feed pump ⁶	Motor Driven								

Fuel Details⁷

-Primary Fuel	NG	NG	NG	NG	NG	NG	Waste	Waste Heat	Waste Heat
-Secondary Fuel	NA	NA	NA						
-Alternate Fuels	HSD	HSD							
Special Features /Site Spelcfc Features ⁸	NA	NA							
Special Technological Features ⁹	NA	NA							
Environmenalt Regulation related features ¹	NA	NA							

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 MBCR 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.,

Note-1: In case of deviation from specified conditions in regulation, correction curve of manufacturer may also be submitted.

Note-2: Heat Balance Diagram has to be submitted along with above information in case of new stations.

Note-3: The terms- MCR,BMCR,HHV, Performance coal, are as defined in CEA technical standards for construction of Electric Plants and electric lines Regulations-2010

Note-4: The copy of certificate shall be submitted



Petitioner

Normative Parameters considered for Tariff Computations

Name of the Company : Indraprastha Power Generation Company Limited

Name of the Power Station: Gas Turbine Power Station

Place (Region / District / State): Delhi

Particulars 1	Unit 2	2022-23 3	2024-25 4
Base Rate of Return on Equity	%	14.00	13.00
Effective Tax Rate ⁴	%	0.00	17.45
Target Availability	%	85%	85%
Auxiliary Energy Consumption	%	2.75%	2.75%
Gross Station Heat Rate	kCal/kWh	2450	2450
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 lakh/MW	31.75	38.50
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 plus MCLR Margin	%	7.00%	8.55%
Blending ratio of domestic coal/ imported coal		NA	NA

¹For Coal / Lignite based generating stations²For Gas Turbine/ Combined Cycle generating stations duly taking into account the mode of operation on gas fuel and liquid fuel.³Mention relevant date⁴Effective 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


Details of assets De-capitalised during the period during FY 2022-23

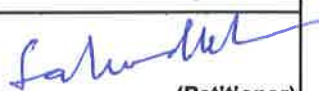
Name of the Company : Indraprastha Power Generation Company Limited


Name of the Power Station: Gas Turbine Power Station

COD					
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 rupees	Year Put to use	Depreciation recovered till date of De-capitalization in rupees
1	2	3	4	5	6
1	COUPLING,ZTKH 10S0,STG,BHEL,NK63/91/64-3		-21,14,182.40	05-10-2020	3,76,588.74
2	VALVE,SOL,287A7267P001,GT		-8,22,509.56	07-06-2019	7,40,258.60
3	BOLT,12 PT HD,N-733AP35048,GT,GE		-41	01-04-2012	38.9
4	BOLT,12 PT HD,N-733P29024,GT,GE		-8,840.00	15-03-2014	7,956.00
5	SCREW,N14P33056,GT,GE,PG6461B,FR6		-131.9	01-04-2012	118.71
6	FLAME DETECTOR,362A1052P104,GT,GE,PG6461		-6,18,084.00	07-06-2019	5,56,275.80
7	GEARBOX,AUMA,GS315 L		-11,17,372.27	11-07-2017	10,05,635.04
8	TERM BOARD,IS200TRLYH1B,PNL,GE,MK6e		-4,67,870.38	09-06-2015	4,21,083.34
9	IO PACK PDM,IS220PPDAH1A,PNL,GE,MK6e		-4,84,444.00	15-07-2015	4,35,999.60
10	IO PACK,IS220PAICH1A,PNL,GE,MK6e		-8,42,895.00	28-08-2014	7,58,605.50
11	IO PACK,DISCRETE,IS220PDIOH1B,GE,MK6e		-17,06,365.54	30-06-2020	15,03,734.63
12	IO PACK TURB TERM,IS220PTURH1B,GE,MK6e		-7,34,456.78	28-09-2022	11,016.85
13	OPERATOR INTERFACE,DS3820PIMB,GE,MK IV		-7,31,010.00	31-03-2022	1,37,064.38
14	RELAY,DIFF PROT,1/5A,AREVA,MICOM P633		-6,88,654.00	04-10-2018	6,19,788.60
			-1,03,36,856.83		65,74,162.49

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 Company : Indraprastha Power Generation Company Limited		
Name of the Power Station: Gas Turbine Power Station		
COD		(Rs in lacs)
S.No.	Particulars	2022-23
1	2	3
A	Closing Gross Block	37.06
B	Less: Opening Gross Block	119.87
C	Total additions as per books	20.56
D	Less: Additions pertaining to other stages (give stagewise break-up)	0
E	Net additions pertaining to instant project / unit / stage	0
F	Less: Exclusions (items not allowable / not claimed)	103.37
G	Net Additional Capital Expenditure claimed	-82.81
NOTE : Reason for exclusion of any expenditure shall be given in clear terms.		
* Details will be provided as and when accounts were finalised.		
		 (Petitioner)

FORM-9D		
Name of the Company : Indraprastha Power Generation Company Limited		
Name of the Power Station: Gas Turbine Power Station		
Statement of Capital Cost*		
(To be given for relevant dates and year wise)		
		(Rs in Lacs)
S.No.	Particulars	2022-23
A	a) Opening Gross Block Amount as per books	119.87
	b) Amount of Capital liabilities in A(a) above	0.00
	c) Amount of IDC in A(a) above	0.00
	d) Amount of FC in A(a) above	0.00
	e) Amount of FERV in A(a) above	0.00
	f) Amount of Hedging cost in A(a) above	0.00
	g) Amount of IEDC in A(a) above	0.00
B	a) Addition in Gross Block amount during the period (Direct purchases)	20.56
	b) Amount of Capital liabilities in B(a) above	0.00
	c) Amount of IDC in B(a) above	0.00
	d) Amount of FC in B(a) above	0.00
	e) Amount of FERV in B(a) above	0.00
	f) Amount of Hedging cost in B(a) above	0.00
	g) Amount of IEDC in B(a) above	0.00
C	a) Addition in Gross Block amount during the period (Transferred from CWIP)	0.00
	b) Amount of Capital liabilities in C(a) above	0.00
	c) Amount of IDC in C(a) above	0.00
	d) Amount of FC in C(a) above	0.00
	e) Amount of FERV in C(a) above	0.00
	f) Amount of Hedging cost in C(a) above	0.00
	g) Amount of IEDC in C(a) above	0.00
D	a) Deletion in Gross Block amount during the period	103.37
	b) Amount of Capital liabilities in D(a) above	0.00
	c) Amount of IDC in D(a) above	0.00
	d) Amount of FC in D(a) above	0.00
	e) Amount of FERV in D(a) above	0.00
	f) Amount of Hedging cost in D(a) above	0.00
	g) Amount of IEDC in D(a) above	0.00
E	a) Closing Gross Block amount as per books	37.06
	b) Amount of Capital liabilities in E(a) above	0.00
	c) Amount of IDC in E(a) above	0.00
	d) Amount of FC in E(a) above	0.00
	e) Amount of FERV in E(a) above	0.00
	f) Amount of Hedging cost in E(a) above	0.00
	g) Amount of IEDC in E(a) above	0.00
Note:		
1. Relevant date/s means date of COD of unit/s/station and financial year start date and end		
* Details will be provided as and when accounts were finalised.		
		 (Petitioner)

FORM-11

Calculation of Depreciation

Name of the Company : Indraprastha Power Generation Company Limited

Name of the Power Station: Gas Turbine Power Station

Sl. No.	Name of the Assets ¹	FY 2022-23		(Amount in Rs.Cr)
		Gross Block as on 31 st March of the previous control period or as on COD, whichever is later and subsequently for each	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				
6				
	Total as on FY 2022-23	32.65	8.99%	2.93
	Weighted Average Rate of Depreciation (%)			8.99

* 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

Salvador
(Petitioner)

Calculation of Weighted Average Rate of Interest on Actual Loans¹

Name of the Company : Indraprastha Power Generation Company Limited

Name of the Power Station: Gas Turbine Power Station

Particulars

2022-23

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

NIL

Loan paid and additional
capitalisation is funded
through equity.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 Company : Indraprastha Power Generation Company Limited

Name of the Power Station: Gas Turbine Power Station

Particulars	2022-23	2024-25
1	2	3
Gross Normative Loan -Opening	0.00	0.00
Cumulative repayment of Normative Loan upto previous year	0.00	0.00
Net Normative Loan- Opening	23.14	22.57
Add: Increase due to addition during the Year/ Period	0.15	33.53
Less: Decrease due to De- Capitalisationl during the Year/ Period	0.72	0.00
Less: Decrease due to Reversal during the Year/ Period	0.00	0.00
Add: Increase due to discharge during the Year/ Period	0.00	0.00
Less: Repayment(s) of Loans during the year	0.00	0.00
Net Normative Loan- Closing	22.57	56.10
Average Normative Loan	22.86	39.33
Average loan for the purpose of computation of tariff based on Net Fixed Assets	19.98	31.46
Weighted average rate of interest	7.00%	8.55%
Interest on Loan	1.40	2.69

Sakendra
(Petitioner)

Calculation of Interest on Working Capital

Name of the Company : Indraprastha Power Generation Company Limited

Name of the Power Station: Gas Turbine Power Station

Sl. No.	Particulars	2022-23	2024-25
1	2		3
1	Cost of Coal/ Lignite ¹	0	0
2	Cost of Main Secondary Fuel Oil ¹	0	0
3	Fuel cost for 1 month ²	77.98	73.02
4	Liquid Fuel Stock ²	0.00	0.00
5	O&M Expenses for 1 month	6.21	6.81
6	Maintenance Spares @ 30% of O&M expenses	22.36	24.50
7	Receivables for 2 months	172.63	165.34
8A	Total Working Capital	279.18	269.66
9	Rate of interest*	7.00%	8.55%
13	Interest on working capital	19.54	23.06

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.

* As per existing rate of interest for the outstanding loans of petitioner


 (Petitioner)

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

Name of the Company : Indraprastha Power Generation Company Limited

Name of the Power Station: Gas Turbine Power Station

Sl. No.	Months	Units	April 22 to March 23	
			Domestic	Imported
1	Quantity of Gas supplied by Gas Company*	(Million SCM)		90239.67
2	Adjustment (+/-) in quantity supplied by Gas Company	(Million SCM)		
3	Gas Supplied by Gas Company (1+2)	(Million SCM)		90239.67
4	Normative Transit & Handling Losses	(Million SCM)		
5	Net Gas Supplied (3-4)	(Million SCM)		90239.67
6	Amount charged by Gas Company	(Rs.)		485.83
7	Adjustment (+/-) in amount charged by Gas Company	(Rs.)		
8	Total Amount charged (6+7)	(Rs.)		485.83
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	53.838	
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		
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	9446.683	

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

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

Salvador
(Petitioner)

Details/ Information to be submitted in respect of Capital Spares for FY 2022-23

Name of the Company : Indraprastha Power Generation Company Limited

Name of the Power Station: Gas Turbine Power Station

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	GAS COOLER,29607580,ANLYZ,ABB,EL3020	5,86,755.00	Yes			
2	IO PACK TURB TERM,IS220PTURH1B,GE,MK6e	14,68,913.56	Yes			
3						
4						
	Total	20,55,668.56				


 Petitioner

Employee Expenses*

Name of the Company : Indraprastha Power Generation Company Limited

Name of the Power Station: Gas Turbine Power Station

Sl. No.	Particulars	2022-23	2024-25
1	Salaries	50.14	54.92
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		
17	Apprentice And Other Training Expenses		
18	Contribution To Terminal Benefits		
19	Provident Fund Contribution		
20	Provision for PF Fund		
21	Any Other Items		
	Total Employee Costs	50.14	54.92
22	Less: Employee expenses capitalised		
	Net Employee expenses (D)-(E)	50.14	54.92

Note:- Details of Actual Employee expenses for FY 2022-23 is given on provisional basis and the same is escalated @ 4.66% twice for FY 2024-25.


 (Petitioner)


Employee Strength for FY 2022-23

Name of the Company : Indraprastha Power Generation Company Limited

Name of the Power Station: Gas Turbine Power Station

S.No.	Particulars	Opening Balance	Retired /Deaths	Addition	Transfer	Closing Balance	Reconcillation with Audited Accounts of the year (Please mention Exact Note/Schedule for the Audited Accounts), if available
A	FRSR	172	13	59	7	211	
B	Non-FRSR						


 Petitioner

FORM-19			
A & G Expenses*			
Name of the Company : Indraprastha Power Generation Company Limited			
Name of the Power Station: Gas Turbine Power Station			
Sl. No.	Particulars	FY 2022-23	FY 2024-25
(Rs in Cr)			
1	Lease/ Rent		
2	Insurance		
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		
10	License and Registration Fees		
11	Vehicle Expenses		
12	Security / Service Charges Paid To Outside Agencies		
13	Fee And Subscriptions Books And Periodicals		
14	Printing And Stationery		
15	Advertisement Expenses		
16	Contributions/Donations To Outside Institutes / Associations	16.73	18.33
17	Electricity Charges To Offices		
18	Water Charges		
19	Entertainment Charges		
20	Miscellaneous Expenses		
21	Legal Charges		
22	Auditor's Fee		
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	Octroi		
30	Incidental Stores Expenses		
31	Fabrication Charges		
	Total A&G Expenses	16.73	18.33
	Less: A&G Expenses Capitalised		
	Total A&G Expenses	16.73	18.33
Note:- Details of actual A&G expenses for FY 2022-23 is given on provisional basis and the same is escalatated @ 4.66% twice for FY 2024-25.			
		 Petitioner	


Legal Expenses Incurred during FY 2022-23

Name of the Company : Indraprastha Power Generation Company Limited

Name of the Power Station: Gas Turbine Power Station

S. No.	Particulars	Case No.	Matter	Fees Per Hearing (Rs)	Total Fees (Rs.)	
A)	Cases other than 142 before					Reconciliation with Audited Accounts of the year (Please mention Exact Note/Schedule for the Audited Accounts), if available
1	DERC	Review petition No. 30 of 2021	Filed against DERC order dated 24.03.2021		90332	
2	DERC	Petition No. 68 OF 2019	Fee towards Opinion for non-payment of dues by NDMC		14000	
3	APTEL	Appeal No. 392 of 2019	Filed against DERC tariff order dated 31.07.2019		111000	
4	DERC	Petition No. 29 of 2020	Filed By TPDDL		99000	
5	DERC	Petition no. 59 of 2019	Filed By BSES		77000	
7	APTEL	Appeal No. 21 of 2020	Filed By BSES against DERC order dated 10.12.2019		33000	
8	APTEL	Appeal No. 11 of 2021	Filed against DERC tariff order dated 28.08.2020		152860	
9	APTEL	Appeal No. 483 of 2023	Filed against DERC tariff order dated 30.09.2021		78976	
10	Hon'ble HIGH COURT	WP(C) No. 2903 of 2013	Filed against DERC Tariff Regulations, 2011		16500	
11	Hon'ble SUPREME COURT	WP(C) No. 104 of 2014	Filed By BSES		2845150	
B)	Cases under 142					
	Total				35,17,818	

Sahwadeh
 Petitioner

FORM-20			
R & M Expenses			
Name of the Company : Indraprastha Power Generation Company Limited			
Name of the Power Station: Gas Turbine Power Station			
Sl. No.	Particulars	FY 2022-23	FY 2024-25 (Rs In Crore)
1	Plant and Machinery	7.68	8.41
2	Building		
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*		
	Total	7.68	8.41
13	Any other items (Capitalisation)		
	Total	7.68	8.41
Note:- Details of actual R&M expenses for FY 2022-23 is given on provisional basis and the same is escalated @ 4.66% twice for FY 2024-25.			
		 (Petitioner)	

Variable charges for Gas power Plant for FY 2022-23

Name of the Company : Indraprastha Power Generation Company Limited

Name of the Power Station: Gas Turbine Power Station

Particulars	UoM	Plant	Combined Cycle	Open Cycle
Description	MW	90	90	60
GHR claimed By GTPS	Kcal/kWh	2570	2560	3434
Target Availability claimed	%	85	85	85
Time of operation	Days	365	365	365
Gross Generation	MU	331.66	328.14	3.52
Auxilliary Consumption	%	5.41	5.46	1
Auxilliary Consumption	MU	17.94	17.91	0.04
Net Generation	MU	313.72	310.23	3.48
Total Gross Heat value required	Kcal	852465573715.45	840042654876.94	12081436363.64
Gross Heat Obtained from KG Basin Gas	MMBTU/day-GCV			
1 MMBTU	Kcal			
Total Gas required	SCM	90239673	88924616.81	1278907.795
Gross Heat Obtained from KG Basin Gas for the period	Kcal	0.00		
Gross Calorific value of Gas (Assumed)	Kcal/SCM	9446.683	9446.683	9446.683
Volume of KG Basin Gas (APM+PMT+NAPM)	SCM	0		
Balance Heat Required from RLNG	Kcal	852465573.72		
Gross Calorific value of RLNG (Assumed)	Kcal/SCM	9446.683	9446.683	9446.683
Quantity of RLNG required(RLNG+SPOT-RLNG)	SCM	90239.67		
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	53.84	53.84	53.84
KG Basis Gas Landed Cost	Rs. Crores	0.00		
RLNG Landed Cost	Rs. Crores	485.83		
Avg. Landed Cost of Total Gas	Rs/SCM	53.838	53.838	53.838
Total Fuel Cost	Rs. Crores	485.83	478.75	6.89
Monthly Fuel Cost	Rs. Crores	40.49	39.90	0.57
Energy Charge rate on Ex-basis	Rs./Unit	15.486	15.432	19.768
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	15.49	15.43	19.77


(Petitioner)

Variable charges for Gas power Plant for FY 2024-25

Name of the Company : Indraprastha Power Generation Company Limited

Name of the Power Station: Gas Turbine Power Station

Particulars	UoM	Plant	Combined Cycle	Open Cycle
Description	MW	90	90	60
GHR claimed By GTPS	Kcal/kWh	2600	2591	3578
Target Availability claimed	%	85	85	85
Time of operation	Days	365	365	365
Gross Generation	MU	670.14	665.67	4.47
Auxilliary Consumption	%	5.46	5.49	1
Auxilliary Consumption	MU	36.59	36.54	0.04
Net Generation	MU	633.55	629.13	4.42
Total Gross Heat value required	Kcal	1742364000000.00	1724534682024.43	15985072800.00
Gross Heat Obtained from KG Basin Gas	MMBTU/day-GCV			
1 MMBTU	Kcal			
Total Gas required	SCM	184318180.5	182432083.6	1691001.154
Gross Heat Obtained from KG Basin Gas for the period	Kcal	0.00		
Gross Calorific value of Gas (Assumed)	Kcal/SCM	9453.023	9453.023	9453.023
Volume of KG Basin Gas (APM+PMT+NAPM)	SCM	0		
Balance Heat Required from RLNG	Kcal	17423640000.00		
Gross Calorific value of RLNG (Assumed)	Kcal/SCM	9453.023	9453.023	9453.023
Quantity of RLNG required(RLNG+SPOT-RLNG)	SCM	1843181.81		
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	47.54	47.54	47.54
KG Basis Gas Landed Cost	Rs. Crores	0.00		
RLNG Landed Cost	Rs. Crores	876.21		
Avg. Landed Cost of Total Gas	Rs/SCM	47.538	47.538	47.538
Total Fuel Cost	Rs. Crores	876.21	867.25	8.04
Monthly Fuel Cost	Rs. Crores	73.02	72.27	0.67
Energy Charge rate on Ex-basis	Rs./Unit	13.830	13.785	18.175
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	13.83	13.78	18.18

Sahinder
(Petitioner)