

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

Petition No:

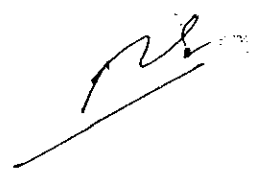
IN THE MATTER OF Filing of Petition under section 62 of the Electricity Act,
2003 for Truing up of Tariff for the FY 2014-15 and FY
2015-16 for PPS-1.

AND

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

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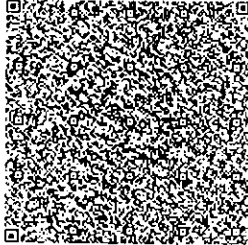
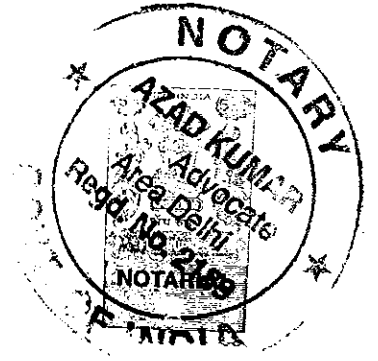
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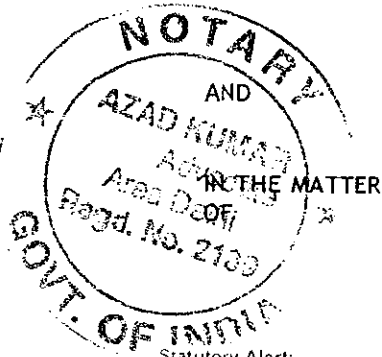
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IN THE MATTER
OF

Petition No:
Filing of Tariff Petition for true up of expenditure for FY
2014-15 & FY 2015-16 for PPS-I as per DERC Generation
Tariff Regulation, 2011



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

1.

AFFIDAVIT VERIFYING DOCUMENTS/INFORMATION

I, Jagdish Kumar S/o Late Sh. Balbir Singh aged about 57 years, Residing at 190, IInd Floor, Avtar Enclave, Paschim Vihar, New Delhi-110 063, do hereby solemnly affirm and state as follows:

1. That I am Director (Technical) of Pragati Power Corporation Limited and conversant with the facts of the case.
2. That the statements made in the petition are based on the 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.



DEPONENT

VERIFICATION:

It is solemnly affirmed that the contents of above affidavit are true to the best of my knowledge and belief. No part of it is false and nothing has been concealed therefrom.

Verified at New Delhi on this 28th day of April, 2017.



DEPONENT

ATTESTED
Azad Kumar

BY NOTARY PUBLIC
NEW DELHI (INDIA)

28 APR 2017

CABIN No. 33
L.T.O. Lane, Azad Bhawan Road
New Delhi-110 002

BEFORE THE HON'BLE DELHI ELECTRICITY REGULATORY COMMISSION

Petition No. :

IN THE MATTER OF	Tariff Petition for true up of expenditure for FY 2014-15 & FY 2015-16 as per DERC Generation Tariff Regulation, 2011
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



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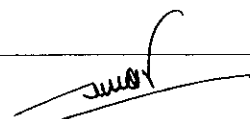


Chapter 1 : Background

This Chapter deals with the background of this Petition.

1.1 Introduction

1. 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. Among the tariff related provisions, the State Electricity Regulatory Commission (SERC) has to be guided by National Electricity Policy, National Tariff Policy and Central Electricity Regulatory Commission (CERC). 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.
2. The Section 61 of the Electricity Act, 2003 provides as under in respect of Tariff Regulations:
"The Appropriate Commission shall, subject to the provisions of this Act, specify the terms and conditions for the determination of tariff, and in doing so, shall be guided by the following, namely:-
 - (a) the principles and methodologies specified by the Central Commission for determination of the tariff applicable to generating companies and transmission licensees;*
 - (b) the generation, transmission, distribution and supply of electricity are conducted on commercial principles;*
 - (c) the factors which would encourage competition, efficiency, economical use of the resources, good performance and optimum investments;*
 - (d) safeguarding of consumers' interest and at the same time, recovery of the cost of electricity in a reasonable manner;*
 - (e) the principles rewarding efficiency in performance;*
 - (f) multi year tariff principles;*
 - (g) that the tariff progressively reflects the cost of supply of electricity and also, reduces cross-subsidies in the manner specified by the Appropriate Commission;]*
 - (h) the promotion of co-generation and generation of electricity from*



renewable sources of energy;

(i) the National Electricity Policy and tariff policy:

Provided that the terms and conditions for determination of tariff under the Electricity (Supply) Act, 1948, the Electricity Regulatory Commission Act, 1998 and the enactments specified in the Schedule as they stood immediately before the appointed date, shall continue to apply for a period of one year or until the terms and conditions for tariff are specified under this section, whichever is earlier."

3. The Delhi Electricity Regulatory Commission (hereinafter referred as "Commission") has extended the DERC Tariff Regulation, 2011 for further one year i.e. FY 15-16 vide its order No. F.11(1154)/DERC/14-15/4482 dt. 22.10.2014.
4. PPCL is filing this true up petition as per above regulation with request to allow certain relaxations of Heat Rate and Auxiliary. It is further submitted that PPCL is requesting the Hon'ble Commission to invoke its power of relaxation wherever required in the petition.
5. Petitioner had already filed true up petition for true up of tariff for FY 14-15 vide its letter No. Comm1./DERC/F.12/12 Df. 21.04.2016.

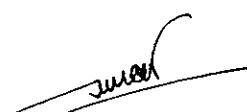
1.2 Brief Company Profile

1. "Pragati Power Corporation Ltd." (PPCL) is a Government Company engaged in Power generation within the meaning of Companies Act, 1956 and is wholly owned by the Government of National Capital Territory of Delhi.
2. To augment the power supply of city of Delhi, Government of Delhi set up 330 MW combined cycle gas based Pragati Power Project-I on fast track basis. Further it is a Generating Company as defined under Section 2(28) of The Electricity Act.
3. PPCL has installed another 1371.2 MW CCGT plant at Bawana in Delhi. The COD of the both modules of the station has been declared on 27.03.2014. The power from the station is being sold to states of Delhi, Haryana and Punjab. Since, it is an inter-state generating station. Therefore, as per Section No.79(1) (a) & (b) of Electricity Act, 2003 determination of tariff of sub-generating station having composite scheme of generation and sale of electricity in more than one state is



to be determined by Hon'ble Central Electricity regulatory commission. The tariff of the station is being determined by Hon'ble Central Electricity Regulatory Commission.

4. Pursuant to the applicable provisions of the Delhi Electricity Reforms Act, 2000, the Government of National Capital Territory of Delhi undertook the reform and restructuring of the erstwhile Delhi Vidyut Board (DVB), which was implemented through a statutory transfer scheme. The Transfer Scheme rules notified provided for reorganization of DVB including transfer of its properties, assets, liabilities etc. The transfer scheme provided for unbundling of the erstwhile DVB into five companies. PPCL also took over certain assets and liabilities relating to Pragati Power Station-I from erstwhile DVB w.e.f. 01.07.2002.



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 Submission Plan

PPS-I propose to make submissions to the Hon'ble Commission in support of this Petition as under:

- Operational Parameters for the Pragati Power Station-I
- Financial Parameters for Pragati Power Station-I
- Capital Expenditure for Pragati Power Station-I
- Prayer

2.2 Brief of Submissions

The petitioner requests the Hon'ble Commission to give due considerations to the following facts while evaluating the present tariff petition:

- It is submitted that CERC has issued Central Electricity Regulatory Commission (Terms and Conditions of Tariff), Regulations, 2014. The Central Commission has modified number of parameters in the regulations. be reviewed in the light of present circumstances and new CERC Tariff Regulations for FY 14-15 & 15-16.
- It is submitted that the norms for heat rate (kCal/kWh) in open cycle mode as specified in MYT Regulations are not achievable. The guaranteed heat rate as per the manufacturer works out to 2986 kCal/kWh which further needs to be escalated by 5% to arrive at the realistic operational heat rate for the station. The heat rate in combined cycle mode may also be escalated by 5% for fixing the heat rate in combined cycle mode. However, the actual PLF as against availability has been much less than above heat rate arrived.



- It is submitted that Operation and Maintenance expenses on Gas Turbine repair is cyclic in nature as type of maintenance required in Gas Turbines depends upon no. of hours of use in given time period. The Hon'ble Commission has allowed an additional expenditure each from FY 2007-08 to 2011-12 @ Rs 20 Cores and Rs. 15.00 Crore for FY 2012-13 to 2015-16. However, major expenditure on DLN Burner being cyclic in nature the same has been incurred in FY 15-16 only in the current MYT period. The expenditure in previous years of current MYT period has either been NIL or very less due to cyclic nature of expenditure. Therefore, it is prayed that the Hon'ble Commission may kindly consider and allow actual Operation and Maintenance of DLN Burners as given in the respective Proforma for the year FY 2014-15 & 2015-16 for smooth operation of the station.
- It is submitted that SLDC Delhi has been backing down the generation of the stations depending on the requirement of power in Delhi. SLDC Delhi has been giving instructions to back down partially, thus resulting in non optimization of fuel consumption and higher Heat Rate and Auxiliary Power Consumption. **Therefore, Hon'ble Commission is requested to direct SLDC Delhi to back down any of the complete block of the station only and not partially. Further, it is requested that frequent backing down should not be resorted by SLDC.**
- The petitioner prays to the Hon'ble Commission to consider and relax the operational and financial parameters as requested in the petition.



Chapter 3 : Variable Cost

3.1 Norms for Operation

Petitioner has taken into actual performance parameters for FY 14-15 & 15-16 as per actual and as per audited accounts for respective years.

Petitioner requests the Hon'ble Commission to take lenient and practical view while trueing up norms of operation and financial parameters.

3.1.1 Station Heat Rate

Table 1 depicts the SHR values for PPS-I as achieved during the period FY 2014-15 & 2015-16.

Table 1 : Station Heat Rates (kCal/kWh) for PPS-I

Description	14-15	15-16	16-17 (up to 31.12.2016)
Station Heat Rate (Combined Cycle)	2046	1998	1970
Station Heat rate (Open Cycle)	3188	3196	3164

The actual Station Heat Rate in open cycle mode has been varying in the range from 3188-3196 kCal/kWh during the period from FY 2014-15 to 2015-16. The manufacturer guaranteed heat rate is 2986 kCal/kWh at 100% PLF. It is further submitted that CEA has also considered the open cycle heat rate as 3075.3 kcal/kwh at 100% PLF on Page no. 24 of the report of December, 2004 on technical standards on operational norms for Gas Turbine stations. The Hon'ble Commission has given the reason to disallow the actual heat rate in open cycle mode that the station is expected to run in combined cycle mode most of the time and open cycle operation is rare. In this regard, it is submitted that the station runs in open cycle mode only as and when requisitioned by SLDC, Delhi. It is seen from the table-2 as below that backing down and open cycle generation has been substantially high. Thus the open cycle generation has also steep rising trend.



Table 2 : Details of Open cycle Generation for PPS-I

Parameters	2012-13	2013-14	2014-15	2015-16	2016-17 (up to 31.12.2016)
Station Heat Rate	2008.05	2002.94	2046.69	2006	1978
Heat Rate (OC)	3121.18	3161.23	3188.53	3196	3764
Heat Rate (CC)	1988.7	1989.94	1990.18	1998	1969
Gross Generation(MU)	2508.29	2425.35	1847.368	1539.471	1490.912
Open Cycle Gen.(MU)	42.343	26.919	85.424	11.157	3.337
Open Cycle Gen.(%)	1.68	1.11	4.62	0.72	0.223

There is a direct loss on account of recovery of lesser fuel cost when operated in open cycle mode. This loss in absolute terms is on higher side. The Station always endeavour to run in combined cycle mode but, if operated in open cycle mode, on the request of SLDC, the station may be allowed higher heat rate. The backing down and open cycle generation also results in increase in auxiliary consumption. **The petitioner requests the Hon'ble Commission to approve actual SHR achieved in open and close cycle mode during FY 14-15 & 15-16 of current MYT Regulation.**

3.1.2 Availability

Table-3 depicts the achieved parameter for Availability for PPS-I during FY 14-15 & 15-16.

Table 3 : Availability (%) for PPS-I

Description	2014-15	2015-16	2016-17 (up to 31.12.2016)
Plant Availability (%)	85.62	90.25	89.34

Accordingly petitioner requests Hon'ble Commission to allow recovery of fixed charges and incentive as per DERC Regulation, 2011 on actual achieved availability.

3.1.3 Auxiliary Power Consumption (APC)

Table-4 depicts the achieved parameter for Auxiliary Power Consumption (%) in combined cycle mode during the period. However, the percentage of backing down and open cycle generation has been rising on year to year basis therefore the auxiliary power consumption achieved during the year gets increased due to unproductive percentage of auxiliary consumption. Petitioner therefore requested to Hon'ble commission to allow the norms of open cycle auxiliary power consumption as 1(%) and combined cycle auxiliary consumption as 3% in line with DERC Regulation, 2011.

Table 4 : Auxiliary Power Consumption (%) in CC mode

Description	2014-15	2015-16	2016-17 (up to 31.12.2016)
Auxiliary Consumption	2.60	2.71	2.66

3.2 Gross Generation and Net Generation

On the basis of Availability as referred in the Table-3 and Auxiliary Power Consumption as referred in Table 4, Gross and Net Generation from the Power Station are as per the Table-5.

Table 5 : Gross and Net Generation

Description	2014-15	2015-16	2016-17 (up to 31.12.2016)
Gross Generation (MU)	1847.368	1539.471	1490.912
Auxiliary Consumption (%)	48.123	41.673	39.712
Net Generation (MU)	1799.245	1497.798	1451.200

3.3 Variable Cost for PPS-I

3.3.1 Fuel Consumption:

1. Pragati Power Station-I has a long-term agreement with Gas Authority of India Limited (GAIL) for supply of Gas. Initially, PPS-I was having an allocation of 1.75 MMSCMD of APM Gas. This gas was sufficient to run both the Gas Turbines on

base load. Due to depleting gas reserves of ONGC, GAIL has been imposing cuts on its supply on day to day basis. The present gas allocation on day to day basis is between 1.1 MMSCMD to 1.2 MMSCMD of APM gas and 0.28 MMSCMD of PMT gas. To meet the short fall in the gas supply, fall back agreement has been signed with GAIL for supply of spot R-LNG gas on take and pay basis. Recently, MoP&NG has allocated 0.02 MMSCMD non-APM ONGC gas whose supply has been commenced from mid October, 2011.

- The details of fuel consumption during FY 14-15 to 16-17 for generation as given in above table is as under:

Table 6 : Total Consumption of Gas

Description		2014-15	2015-16	2016-17 (up to 31.12.2016)
APM Gas	MMSCM	258.446	208.176	165.952
PMT Gas	MMSCM	27.303	29.631	25.523
R-LNG Gas	MMSCM	102.618	69.334	110.412
NAPM Gas	MMSCM	3.428	3.362	3.318
SPOT	MMSCM	----	11.928	6.398
Total Gas Consumption	MMSCM	391.796	322.433	311.604

Fuel Cost

- The prices of APM /PMT gas are determined by Group of Ministers, GOI whereas Spot price of RLNG is driven by market fundamentals in the LNG market worldwide. The key pricing determinants will be the movement in Henry-Hub prices and crude oil prices.
- It is further submitted that the price of gas from all type of sources are varying every year.
- Petitioner may like to further submit that actual expenditure of fuel cost is inclusive of prevailing CST, DVAT and service tax.

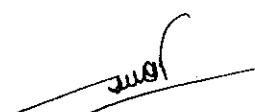
Variable Cost for Pragati Power Station-I

1. The details of total gas consumption, rate per SCM and total cost of the gas for FY 14-15 & 15-16 depicted in the following Table.

Table 7 : Total Variable Cost

Particulars	Unit	Variable Cost		
		2014-15	2015-16	2016-17 (up to 31.12.2016)
Total Gas Consumption	MMSCM	391.797	322.43	311.60
Average Gas Price	Rs./SCM	19.027	17.999	14.193
Total Gas Cost	Rs. Crores	745.46	580.36	442.25
Net Generation	MU	1799.245	1497.798	1451.200
Variable Cost - CC	Rs./kWh	4.14	3.87	3.05

2. No secondary fuel has been consumed during FY 14-15 & 15-16.
3. The recovery of energy charges has been done as per the formula specified in Generation Tariff Regulations of DERC, 2011.



Chapter 4 : Actual expenditure on Fixed Cost

4.1 Parameters for Fixed Cost

1. As per DERC Regulation, 2011 components of capacity charges are fixed cost has been allowed as per following:
2. Fixed cost calculations include the following components:
 - a. Operation & Maintenance Expenses
 - b. Interest on loan
 - c. Depreciation
 - d. Advance against Depreciation
 - e. Return on Equity
 - f. Interest on Working Capital
 - g. Special R&M on DLN & STP

4.2 Operation and Maintenance Expenses

Various components of O&M expenditure are elaborated in following lines.

4.2.2 Repair & Maintenance

These expenses include expenses on repairs and maintenance of Plant and Machinery, Building, Civil works, Vehicles, Furniture & Fixtures, Office equipment, etc.

1. Pragati Power Station-I is sourcing plant water requirement from the treated effluent water from sewage treatment plants and has to incur more cost to get raw water, as compared to other similar stations being operated elsewhere in the country, drawing water from river and paying nominal water cess. PPS-I has taken over the operation of the sewage water treatment plants from Delhi Jal Board for treating the sewerage water from Delhi Gate Nala and Sen Nursing Home Nala. The actual expenditure on this account of above for FY 14-15 & 15-16 includes expenditure on operation, electricity, Chemicals etc. Petitioner may further like to submit that these plants were commissioned by Delhi Jal Board, after handing over to these plants to petitioner, are being operated round the clock to supply uninterrupted raw water to PPS-1. Operation and Maintenance of the Plant is entrusted to originally equipment manufacturer M/s./Degremont on year to year on contract basis. Being in operation for more than 15 years some of the major



equipments required replacement / extensive maintenance to ensure continuous smooth operation of plant.

2. Petitioner further submits that it has installed DLN Burner at PPS-I to control the NOx level. These types of burners were installed for the first time in India. The additional expenses towards R&M of DLN burners and for critical components of Gas Turbines are required to be incurred by PPS-I for smooth operations of the plant and to achieve the target level of generation. All the inspections and overhauling of the machines are as per the manufactures recommendation. The expenditure on DLN Burners is cyclic in nature and its amount varies from year to year depending upon the type of inspections carried out on the machines based on the running hours. The Hon'ble Commission has allowed Rs.15 Crore additional R&M expenses every year during the Control period FY 2012-13, 2013-14 & 2014-15. It may be observed from the expenditure table that repair and maintenance expenditure including expenditure on DLN burners has varied significantly during the period on year to year basis only due to reasons that schedule of overhauling of Gas Turbine and DLN Burners are cyclic in nature. Therefore, Hon'ble Commission while allowing expenditure on account of DLN Burners previously have smoothen the allowed charges to reduce the impact in a single year in which the expenditure is actually incurred. During financial year 2013-14 and 2014-15 of current MYT period major maintenance activities carried out are Combustion Inspection of GT#1, Hot Gas Path Inspection of GT#2, Exciter Overhauling in FY 2012-13; Major Inspection of GT#1, Overhauling of Generator and Exciter, Combustion Inspection of GT#2, Bearing Inspection and Exciter Overhauling of STG in FY 2013-14 and Major Inspection of GT#2 & Generator and Exciter overhauling in FY 2014-15. The expenditure on account of expenditure on DLN Burner was Rs. 34.1 Cr. during the year 2012-13, 2013-14 and 2014-15. The expenditure on account of DLN burner and critical components of Gas Turbine for FY 15-16 has been Rs.65.5 Cr. Hon'ble Commission is accordingly requested to allow expenditure on account of DLN Burners as requested and given in the respective table.
3. Petitioner may like to further submit that pay and perks of employees of the petitioner is determined in line with Central Pay Commission. The Central



Commission's 7th pay recommendations are already notified and implemented at Central and State level employees. However, in case of petitioner company the same are likely to be implemented shortly. Therefore, the expenditure as given above does not include the impact of 7th Central Pay Commission implementation. The implementation of the same in petitioner's company is generally followed based upon the recommendation of State Level Wage-revision Committee which has already been constituted by the Government of NCT of Delhi. The wages are due for revisions w.e.f. 01.1.2016. However, the actual impact will be known only after the submission and the acceptance of the wage-hike recommendation by the Wage Committee. The petitioner therefore requests the Hon'ble Commission to kindly consider the impact of 7th Pay Commission at later stage.

4.3 Interest on Loan

1. Interest expenditure on account of long-term loans depends on the outstanding loan, repayments and applicable interest rates.
2. PPS-I had taken a loan of Rs. 675.3 Crore from Power Finance Corporation Ltd. to fund the project. The loan was repayable over a period of 10 years and the interest rate on the loan varies from 6.25% to 12 % depending on the period of disbursement. The loan has been paid in FY 2013-14.
3. Further petitioner has made certain capital additions in PPS-I during the Control period FY 14-15 & 15-16. The same has been funded through Reserve and surplus. As per Regulations, 70% of the capital additions have been considered to be funded through Loans. Accordingly, interest on this loan has been taken @ 11.65%.
4. Accordingly The Interest Charges for capital expenditure during FY 14-15 & 15-16 has been shown in Table below. Hon'ble Commission is requested to approve the Interest and finance charges on capital additions as given below.

Table 8 : Interest Charges

Particulars (Rs Crores)	2014-15	2015-16	2016-17 (Estimated)
Interest Charges	1.52	2.07	2.16



4.4 Depreciation

1. The Hon'ble Commission has approved the Opening Gross Fixed Asset of Rs. 1031.57 Crores in the beginning of FY 2007-08 and accorded in-principle approval for implementation of Enterprise Resource Planning system in the company. The share of cost of ERP implementation in PPS-I was Rs. 2.48 Crore in FY 2009-10. Beside ERP, certain other capital additions were made during the control period of previous MYT and in year 2012-13, 2013-14, 2014-15 & 2015-16 of current MYT.
2. Depreciation is charged on the basis of straight-line method, on the fixed assets in use at the beginning of the year. The depreciation is based on the original cost, estimated life and residual life.
3. The details of depreciation as applicable for PPS-I for FY 14-15 & 15-16 is as per Table-11:

Table 9: Details of accumulated Depreciation

FY	Depreciation approved by DERC	AVAT approved by DERC
2002-03	35.55	0
2003-04	53.90	0
2004-05	50.76	0
2005-06	59.23	1.48
2006-07	57.94	9.11
2007-08	59.63	7.15
2008-09	59.76	7.02
2009-10	59.97	6.81
2010-11	60.06	6.72
2011-12	60.14	6.64
2012-13	52.95	
2013-14	53.05	
2014-15	52.97	
2015-16	16.13	

Thus, total accumulated depreciation (including advance against depreciation) up to FY 2015-16 is Rs. 776.97 crores. Further, total gross block for FY 2015-16 as per books is Rs. 1063.51 Crores. Accordingly, allowed depreciation up to 90% is Rs. 957.162 Crores. Thus, balance depreciation Rs. 180.19 crores is to be recovered in balance life of eleven years at rate of Rs. 16.38 crores per years. Accordingly petitioner has requested recovery of depreciation for FY 15-16 @ 16.13 crore. The details of the same is as per Table-11 :

Table 10 : Depreciation

Particulars (Rs Crores)	2014-15	2015-16	2016-17 (Estimated)
Depreciation as per books	56.06	57.10	43.98

4.5 Return on Equity

1. The Return on equity has been computed on approved equity of Rs. 331.71 Crores of the project and the 30% equivalent amount of the capital additions made during the Control period.
2. The details of return on equity for FY 14-15 & 15-16 are given in table 13.

Table 11 : Return on Equity

		(Rs. Crore)		
S No	Particulars	2014-15	2015-16	2016-17 (Estimated)
1	Equity (Opening Balance)	325.21	328.20	330.03
2	Net additions during the year	2.99	1.83	0.06
3	Equity(Closing Balance)	328.20	330.03	330.09
4	Average Equity	326.71	329.12	330.06
5	Rate of Return on Equity	17.71%	17.71%	17.71%
Return on Equity (Grossed up)		57.87	58.29	58.46

3. Petitioner has taken income tax rate of 20.96 % in grossing up of ROE of 14.0 % accordingly grossed up ROE is 17.71%.

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Accordingly, details of grossed up ROE is as under:

Table 12 : Income tax with grossed up ROE

Particulars		2014-15	2015-16	2016-17
Average Equity (Rs. Cr.)	A	326.71	329.12	330.06
Base Rate of return on equity i.e @ 14 (%)	B	15.50	15.50	15.50
Normal Income tax as considered by Hon'ble Commission	C	20.96	20.96	20.96
Gross up return on equity	D (base rate/ (1-C))	17.71	17.71	17.71
Return on equity (Rs. Cr.)	E(AxD)	57.86	58.28	58.45

4.6 Interest on Working Capital

1. Petitioner has calculated the Interest on Working Capital as per the following norms:

- Cost of fuel for 1 month
- O&M expenses for 1 month
- Receivables equivalent to 2 months average billing

2. Maintenance spares @ 30% of the O&M expenses.

3. However, while submitting tariff petition for FY 14-15 & 15-16 the petitioner had taken values of per unit cost of fuel for the month of October, November & December. However, as per clause 6.27 the fuel cost for arriving tariff for a financial year is to be 3 months prior to date of applicable tariff i.e. for the tariff applicable from 1st April of the financial year the fuel cost is to be considered for the month of January, February, and March of the respective year. The relevant contents of the said clause is reproduced as under;

"6.27 – The cost of fuel in cases covered under Sub-clauses (a) and (b) of clause 6.25 and 6.26 of these Regulations shall be based on the landed cost incurred (taking into account normative transit and handling losses) by the generating company and gross calorific value of the fuel as per actual for the three months preceding the first month for which tariff is to be determined and no fuel price escalation shall be provided during the control period."

Accordingly, the allowable interest on working capital for FY 14-15 & 15-16 has been worked out and given in following table:

Table 13 : Total working Capital

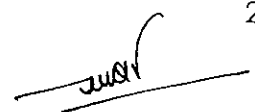
Normative Working Capital

For Open-cycle Gas Turbine/ Combined Cycle thermal generating stations		14-15	15-16	16-17
Fuel expenses for 1 month	Rs Crores	44.80	64.21	64.21
Liquid fuel stock for ½ month	Rs Crores	0	0	0
Maintenance spares @ 30% of O&M	Rs Crores	23.50	24.63	24.63
O&M expenses for 1 month	Rs Crores	6.53	6.84	6.84
Receivables equivalent to 2 months of capacity and energy charge	Rs Crores	125.12	159.92	159.92
Total Working Capital	Rs Crores	199.95	255.60	255.60
Rate of Interest	%	13.50%	13.50%	13.50%
Interest on Working Capital	Rs Crores	26.99	34.51	34.51

Table 14 : Interest on Working Capital

Description (Rs. Crore)	2014-15	2015-16	2016-17
Total Working Capital	199.95	255.60	255.60
Rate of Interest (SBI rate on 01.04.2015)	13.50	13.50	13.50
Interest on Working capital	26.99	34.51	34.51

Therefore, the Hon'ble Commission is requested to allow working capital as per above.



4.7 Annual Fixed Cost of Pragati Power Station-I

1. The total expenditure on Fixed Cost for FY 14-15 & 15-16 is as per following table:

Table 15 : Total Annual Fixed Cost

Particulars (Rs. Crores)	2014-15	2015-16	2016-17 (Estimated)
O&M Charges	64.94	47.86	77.62
Depreciation	56.06	57.10	43.98
Interest on Loans	1.55	2.12	2.16
Grossed of Return on Equity	57.87	58.58	58.74
Interest on Working Capital	26.99	34.51	34.51
Sp. R&M on account of DLN		65.55	7.86
STP		3.35	4.20
Total Fixed Cost	219.54	281.60	229.06
Net Generation (MU)	1799.25	1797.80	1451.20
Fixed Cost Per Unit (Rs/Kwh)	1.22	1.88	1.52

The Performa giving details of above as per DERC format Regulation 2011, are enclosed as **Annexure-A**.

2. On the basis of above submissions, the Hon'ble Commission is requested to allow the same for FY 2014-15 & FY 2015-16.



Chapter 5: Capital Expenditure

5.1 Capital Expenditure

In this regard, Petitioner may like to submit that PPS-I is designated consumer under PAT Scheme of Bureau of Energy Efficiency, Ministry of Power, GOI, Notification on 30th March, 2012. The PAT framework has been developed considering the legal requirement under EC Act, 2010. The PAT scheme is involved in Order to incentivize industry to achieve better energy efficiency improvement than their specified SEC improvement targets in a cost effective manner. BEE, the nodal agency for implementation of PAT had given target to petitioner to reduce its net specific heat rate (NSHR) from average heat rat of 2068 to 2061 Kcal/kWh during 2012-13 to 2014-15. This has been computed for average annual net generation of 2352 MU. Earlier, the petitioner had submitted energy efficiency improvement scheme of the station of the petitioner. The schemes undertaken for energy efficiency improvement are capital in nature; therefore, certain schemes of capital in nature were implemented during FY 14-15 & 15-16. Apart from above, there are certain expenditures required for arresting deterioration in output, reliability of equipments. Such schemes were proposed by the petitioners for procurement of spare GT and STG generators, GT compressor rotor and IGV, replacement of cooling tower fills, renovation of side steam filtration of CW system. Apart from above, some investments were projected for procuring software for HMI / DAS system of steam turbine control system due to obsolesces and non availability of spares and services. Petitioner had also submitted that Delhi Pollution Control Board have mandated to provide online pollution monitoring system at main stack of both the HRSGs of PPS-I. Some of the above, Capex schemes were implemented during FY 2014-15 and FY 2015-16. Hon'ble Commission is therefore requested to allow expenditure of above Capex as per actual.

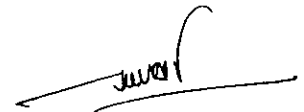


Chapter 6: Prayer

6.1 Prayer

Petitioner respectfully prays to the Hon'ble Commission;

- To admit this true up petition for FY 2014-15 & 2015-16.
- To approve parameters for financial and operation as per actual.
- To allow taxes, property/service tax, cess, etc as pass through on actual basis for FY 2014-15 & 2015-16 as per actual.
- To allow further submission at later stage as required to supplement the claims of petitioners.
- 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.



(JAGDISH KUMAR)
DIRECTOR (TECH.)
Pragati Power Corporation Limited
PETITIONER

INDEX OF FORMATS			
	Formats		PARTICULARS
1	Form	F1	Annual Revenue Requirement Summary
2	Form	F2	Plant Characteristics
3	Form	F3	Normative Parameters Considered for Tariff Computations
4	Form	F4	Generation Details and Variable Cost
5	Form	F5	Abstract of admitted Capital Cost for the existing Project
6	Form	F6	Details of Foreign Loans
7	Form	F7	Details of Foreign Equity
8	Form	F8	Capital Cost Estimates and Schedule of Commissioning for New projects
9	Form	F9	Break-up of Capital Cost for Coal/ Lignite based projects
10	Form	F10	Break-up of Capital Cost for Gas/ Liquid fuel based Projects
11	Form	F11	Break-up of Construction/ Supply/ Service packages
12	Form	F12	Draw Down Schedule for Calculation of IDC & Financing Charges
13	Form	F13	Financial Package Upto CoD
14	Form	F14	Details of Project Specific Loans
15	Form	F15	Details of Allocation of corporate loans to various projects
16	Form	F16	Statement of Additional Capitalisation after COD
17	Form	F17	Financing of Additional Capitalisation
18	Form	F18	Statement of Capital Cost
19	Form	F19	Statement of Capital Works in Progress
20	Form	F20	R&M Expenses
21	Form	F21	Employee Expenses
22	Form	F22	Administration & General Expenses
23	Form	F23	Fixed Assets and Depreciation
24	Form	F24	Interest and Finance Charges
25	Form	F25	Return on Equity
26	Form	F26	Working Capital Requirements
27	Form	F27	Information in respect of fuel for computation of Energy Charges
28	Form	F28	Expenses Capitalised
29	Form	F29	Income Tax Provisions
Instructions for the Applicant:			
1)	Electronic copy in the form of CD/ Floppy Disc shall also be furnished		
2)	These formats are indicative in nature and the utility may align the line items to its chart of accounts		



Annual Revenue Requirement Summary							
		Form	2012-13	2013-14	2014-15	2015-16	2016-17
			Actual	Actual	Actual	Actual	2016-17 (up to 31.12.2016)
A Generation							
1	Gross Generation (MU)	Form No.	2508.28	2425.35	1847.37	1539.47	1490.91
2	Aux Consumption (%)	Form No.	2.65%	2.73%	2.60%	2.71%	2.66%
3	Net Generation (MU)	Form No.	2441.83	2359.11	1799.25	1497.80	1451.20
B Capacity Charges (Annual Fixed Charges)							
1	O&M expenses		52.26	55.77	64.94	47.86	77.62
a	R&M Expense	F20	12.49	12.90	33.84	15.56	32.06
b	Employee Expenses	F21	24.63	26.61	19.89	21.50	33.00
c	A&G Expense	F22	15.14	16.26	11.21	10.80	12.58
2	Depreciation	F23	52.95	53.05	56.06	57.10	43.98
3	Interest on Loans	F24	8.93	2.65	1.55	2.12	2.16
4	Return on Equity	F25	56.94	57.60	57.87	58.58	58.74
5	Interest on Working Capital	F26	29.68	33.81	26.99	34.51	34.51
6	Income Tax	F29	11.39	12.07	12.13	12.54	0.00
7	Special R&M expenditure (STP)		0.00	0.00	0.00	3.35	4.20
8	(DLN)		0.00	0.00	0.00	65.55	7.86
Total			212.15	214.95	219.54	281.60	229.06
C Variable Charges (Energy Charges)							
Energy Charges from Primary Fuel (Rs Cr) ^{C1, C2, C3, C4}		Form No.	662.46	777.84	745.46	580.36	442.25
Energy Charges from Primary Fuel (Rs/ kWh)		Form No.	2.71	3.30	4.14	3.87	3.05
Energy Charge Rate (Rs./kWh)-Combined Cycle			2.69	3.32	4.16	3.87	3.05
Energy Charge Rate (Rs./kWh)-Open Cycle			4.15	5.18	6.35	6.07	4.79
C1 - If multifuel is used simultaneously, energy charges to be given in respect of every fuel individually							
C2 - Energy charge shall be computed for open cycle operation and combined cycle operation separately in case of gas/ liquid fuel fired plants							
C3 - Energy charge shall be worked out based on ex-bus energy scheduled to be sent out							

Petitioner

Plant Characteristics					Form No:
Unit(s)/ Block(s) Parameters		GT#1	GT#2	STG	
				HP/LP	
Pressure	kg/cm ²	NA	NA	71.38/5.14	
Temperature					
- At Superheater Outlet	°C	NA	NA	518.3/198.6	
- At Reheater Outlet	°C	NA	NA		
Guaranteed Design Heat Rate	kCal/ kWh	2986	2986	1939 (CC)	
Conditions on which guaranteed					
% MCR		NA	NA	100	
% Makeup		NA	NA	0	
Design Fuel		Dual Fuel	Dual Fuel	waste heat	
Design cooling water temperature	°C	NA	NA	33	
Back Pressure		NA	NA	0.101	
Note: In case guaranteed unit heat rate is not available then furnish the guaranteed turbine					
Type of cooling Tower		NA	NA	Forced	
Installed Capacity (IC)	MW	104	104	122	
Date of Commercial Operation (CDD)		02.07.02	03.12.02	15.05.03	
Type of cooling system ¹		NA	NA	IDC	
Type of Boiler Feed Pump ²		NA	NA	Motor driven	
Fuel Details ³					
- Primary Fuel		NG	NG	waste heat	
- Secondary Fuel		NA	NA	NA	
- Alternate Fuel		NA	NA	NA	
Special Features/ Site Specific Features ⁴			NA		
Special Technological Features ⁵		Gas turbines fitted with DLN combustors			
Environmental Regulation related features ⁵		Sewage treated water used			
Any other special features		NA			
¹ Closed circuit cooling, once through cooling, sea cooling, natural draft cooling, induced draft cooling etc. ² Motor driven, Steam turbine driven etc. ³ Coal or natural gas or naptha or lignite etc. ⁴ Any site specific feature such as Merry-Go-Round, Vicinity to sea, Intake /makeup water systems etc. scrubbers etc. Specify all such features. ⁵ Any Special Technological feature like Advanced class FA technology in Gas Turbines, etc. Note 1: In case of deviation from specified conditions in Regulation, correction curve of manufacturer may also be submitted. Note 2: Heat Balance Diagrams has to be submitted along with above information incase of new stations.					
					Petitioner

Normative Parameters Considered for Tariff Computations								
							Form No: F3	
	Particulars	Unit	2012-13	2013-14	2014-15	2015-16	2016-17	
			Actual	Actual	Actual	Actual	Estimated	
1	Base Rate of Return on Equity	%	14.00%	14.00%	14.00%	14.00%	14.00%	
2	Tax Rate	%	20.01%	20.96%	20.96%	21.34%	21.34%	
3	Target Availability	%	85.00%	85.00%	85.00%	85.00%	85.00%	
4	Auxiliary Energy Consumption-CC	%	3.00%	3.00%	3.00%	3.00%	3.00%	
5	Gross Station Heat Rate-CC	kCal/ kWh	2000	2000	2000	2000	2000	
6	Specific Fuel Oil Consumption ml/kWh	ml/ kWh	NA	NA	NA	NA	NA	
7	Cost of Coal/ Lignite	Rs/ Ton	NA	NA	NA	NA	NA	
8	Cost of Main Secondary Fuel Oil	Rs/ kL	NA	NA	NA	NA	NA	
9	Cost of Gas	Rs/ SCM	12.63	15.40	19.03	18.00	14.19	
10	Primary Fuel (Coal/ Lignite/ Gas) for Working Capital	in Months	1	1	1	1	1	
11	Secondary Fuel for Working Capital	in Months	NA	NA	NA	NA	NA	
12	O&M Expenses	Rs Lakh/ MW	NA	NA	NA	NA	NA	
13	Maintenance Spares for Working Capital	% of O&M	30.00%					
14	Receivables for Working Capital	in Months	2	2	2	2	2	
15	Base Rate of SBI as on _____	%	13.50%	13.50%	13.50%	13.50%	13.50%	

Petitioner

Generation Details and Variable Cost		Form No: F4						
Particulars	Unit	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17 (up to 31.12.2016)	
		Actual	Trued up	Trued up	Actual	Actual	Estimated	
1 Installed Capacity	MW	330.00	330.00	330.00	330.00	330.00	330.00	
2 Plant Load Factor	%	88.32%	86.77%	83.90%	63.90%	53.11%	68.45%	
3 Gross Generation	MU	2560.02	2508.28	2425.352	1847.368	1539.471	1490.912	
4 Auxiliary Consumption	%	2.65%	2.65%	2.73%	2.60%	2.71%	2.66%	
5 Auxiliary Consumption	MU	67.89	66.45	66.244	48.123	41.673	39.712	
6 Net Generation	MU	2492.13	2441.830	2359.108	1799.245	1497.798	1451.200	
7 Station Heat Rate-CC	kCal/ kWh	1988.00	1989.00	1990.00	2046.00	1998.00	1970.00	
8 Station Heat Rate-OC	Kcal/kWh	3095	3121.00	3161.00	3168.00	3196.00	3164.00	
Primary Fuel Consumption (Coal/ Lignite)								
9 GCV of Coal/ Lignite	kCal/ kg							
10 Quantity of Coal/ Lignite (Fired)	MT							
11 Specific Coal Consumption (Fired)	kg/ kWh							
12 Transit Loss	MT							
13 Transit Loss	%							
14 Gross Quantity of Coal (Purchased)	MT							
15 Rate of Coal/ Lignite	Rs/ Ton							
16 Cost of Coal/ Lignite	Rs Lakhs							
Primary Fuel Consumption (Gas/ LNG/ Liquid)								
17 GCV of Gas/ LNG/ Liquid Fuel	kCal/ SCM	9484.00	9591.49	9620.2	9647	9579	9472	
18 Quantity of Gas/ LNG/ Liquid Fuel	MMSCM	544.76	525.123	504.959	391.797	322.43	311.60	
19 Specific Fuel Consumption	SCM/ kWh	0.213	0.21	0.208	0.212	0.209	0.209	
20 Rate of Gas/ LNG/ Liquid Fuel	Rs/ SCM	9.436	12.615	15.404	19.027	17.999	14.193	
21 Cost of Gas/ LNG/ Liquid Fuel	Rs Crores	514.02	662.46	777.84	745.46	580.36	442.25	
Secondary Fuel Oil Consumption								
22 GCV of Secondary Fuel Oil	kCal/ kL							
23 Quantity of Secondary Fuel Oil	kL							
24 Specific Secondary Fuel Oil Consumption	ml/ kWh							
25 Rate of Secondary Fuel Oil	Rs/ kL							
26 Cost of Secondary Fuel Oil	Rs Crores							
Primary Fuel Cost (Coal/ Lignite)	Rs Crores							
Primary Fuel Cost (Gas/ LNG/ Liquid)	Rs Crores	614.02	662.46	777.84	745.46	580.36	442.25	
Secondary Fuel Cost	Rs Crores							
C Variable Charges (Energy Charges)								
Energy Charges from Primary Fuel (Coal/ Lignite)	Rs/ kWh							
Energy Charges from Primary Fuel (Gas/ LNG/ Liquid)	Rs/ kWh	2.063	2.71	3.30	4.14	3.87	3.05	
Energy Charges from Primary Fuel (Gas)-CC	Rs/ kWh		2.69	3.32	4.16	3.87	3.05	
Energy Charges from Primary Fuel (Gas)-OC	Rs/ kWh		4.15	5.18	6.35	6.07	4.79	

Petitioner

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Name of Company		PUNJAB POWER CORPORATION LIMITED	
Name of Power Station		PUNJAB POWER STATION	
Abstract of admitted Capital Cost for the existing Project		Form No: F5	
	Particulars	Unit	Details
1	Capital Cost as admitted by DERC	Rs Crores	1038.31
2	Capital cost admitted as on		01.04.2014
3	Foreign Component, if any (In Million US \$ or the relevant Currency)		0
4	Domestic Component	Rs Crores	1038.31
5	Foreign Exchange rate considered for the admitted Capital cost		0
6	Hedging cost, if any, considered for the admitted Capital cost		0
7	Total Capital cost admitted	Rs Crores	1038.31
			Petitioner



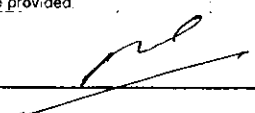
Details of Foreign Loans												
Details only in respect of loans applicable to the project under petition												Form No.
Particulars	Date	Year 1			Year 2			Year 3 and so on				
		Amount (Foreign Currency)	Exchange Rate	Amount (Rs)	Date	Amount (Foreign Currency)	Exchange Rate	Amount (Rs)	Date	Amount (Foreign Currency)	Exchange Rate	Amount (Rs)
Currency ¹												
Date of loan draw ²												
Scheduled Principal Repayment												
Scheduled Interest payment												
Closing at the end of financial year												
In case of Hedging ³												
At the date of Hedging												
Period of hedging												
Cost of hedging												
Currency ²												
Date of loan draw ²												
Scheduled Principal Repayment												
Scheduled interest payment												
Closing at the end of financial year												
In case of Hedging ³												
At the date of Hedging												
Period of hedging												
Cost of hedging												
Currency ³												
Date of loan draw ²												
Scheduled Principal Repayment												
Scheduled Interest payment												
Closing at the end of financial year												
In case of Hedging ³												
At the date of Hedging												
Period of hedging												
Cost of hedging												

Not Applicable

¹ Name of the currency to be mentioned e.g US \$, DM, etc.

² In case of more than one draw during the year, Exchange rate at the date of each draw to be provided.

³ Furnish details of hedging, in case of more than one hedging during the year or part hedging, details of each hedging to be provided.

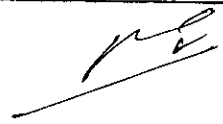

Petitioner

Details only in respect of loans applicable to the project under petition																																		
Particulars	Date	Year 1			Year 2			Year 3 and so on																										
		Amount (Foreign Currency)	Exchange Rate	Amount (Rs)	Date	Amount (Foreign Currency)	Exchange Rate	Amount (Rs)	Date	Amount (Foreign Currency)	Exchange Rate	Amount (Rs)																						
Currency ¹																																		
1 Date of infusion		Not Applicable																																
2																																		
3																																		
4																																		
Currency ²													Not Applicable																					
1 Date of infusion																																		
2																																		
3																																		
4																																		
Currency ³																								Not Applicable										
1 Date of infusion																																		
2																																		
3																																		
4																																		

Name of the currency to be mentioned e.g. US \$, DM, etc.

In case of equity infusion more than once during the year, Exchange rate at the date of each infusion to be provided

Petitioner



Capital Cost Estimates and Schedule of Commissioning on New Projects			Form No: F8
Board of Director/ Agency approving the Capital cost estimates:			
Date of approval of the Capital cost estimates:			
Price level of approved estimates	Present Day Cost As of End of _____ Qtr. Of the year	Completed Cost As on Scheduled COD of the Station	
Foreign Exchange rate considered for the Capital cost estimates			
Capital Cost excluding IDC & FC			
Foreign Component, if any (In Million US \$ or the relevant Currency)			
Domestic Component (Rs. Crores)			
Capital cost excluding IDC & FC (Rs. Crores)			
IDC & FC			
Foreign Component, if any (In Million US \$ or the relevant Currency)			
Domestic Component (Rs. Crores)			
Total IDC & FC (Rs. Crores)			
Rate of taxes & duties considered			
Capital cost including IDC & FC			
Foreign Component, if any (In Million US \$ or the relevant Currency)			
Domestic Component (Rs. Crores)			
Capital cost including IDC & FC (Rs. Crores)			
Schedule of Commissioning			
COD of Unit-I/ Block-I			
COD of Unit-II/ Block-II			
COD of last Unit/ Block			
Note:			
1. Copy of approval letter should be enclosed.			
2. Details of Capital cost are to be furnished as per Form 9 or Form 10 as applicable.			
3. Details of IDC & Financing Charges are to be furnished as per Form 12			

Not Applicable

Petitioner

Breakup of Capital Cost for Coal/Lignite based projects						Form No.
No	Break Down	As per original estimates	Actual capital expenditure as on COD	Liabilities/provisions	Variation (B-C-D)	Rs. Crores
	A	B	C	D	E	F
1	Cost of Land & Site Development					
1.1	Land					
1.2	Rehabitation & Resettlement (R&R)					
1.3	Preliminary investigation & Site development					
	Total Land & Site Development					
2	Plant & Equipment					
2.1	Steam Generator Island					
2.2	Turbine Generator Island					
2.3	BOP Mechanical					
2.3.1	External water supply system					
2.3.2	CW system					
2.3.3	DM water Plant					
2.3.4	Clarification plant					
2.3.5	Chlorination Plant					
2.3.6	Fuel Handling & Storage system					
2.3.7	Ash Handling System					
2.3.8	Coal Handling Plant					
2.3.8	Rolling Stock and Locomotives					
2.3.10	MGR					
2.3.11	Air Compressor System					
2.3.12	Air Condition & Ventilation System					
2.3.13	Fire fighting System					
2.3.14	HP/LP Piping					
	Total BOP Mechanical					
2.4	BOP Electrical					
2.4.1	Switch Yard Package					
2.4.2	Transformers Package					
2.4.3	Switchgear Packaga					
2.4.4	Cables, Cable facilities & grounding					
2.4.5	Lighting					
2.4.6	Emergency D.G. set					
	Total BOP Electrical					
2.5	C & I Package					
	Total Plant & Equipment excl taxes & duties					
2.6	Taxes and Duties					
2.6.1	Custom Duty					
2.6.2	Other Taxes & Duties					
	Total Taxes & Duties					
	Total Plant & Equipment					
3	Initial spares					

Not Applicable

Bidding & Contract Cost Limit based project		Form No.	Rs Crores
4	Civil Works		
4.1	Main plant/Adm. Building		
4.2	CW system		
4.3	Cooling Towers		
4.4	DM water Plant		
4.5	Clarification plant		
4.6	Chlorination plant		
4.7	Fuel Handling & Storage system		
4.8	Coal Handling Plant		
4.9	MGR & Marshalling Yard		
4.10	Ash Handling System		
4.11	Ash disposal area development		
4.12	Fire fighting System		
4.13	Township & Colony		
4.14	Temp. construction & enabling works		
4.15	Road & Drainage		
	Total Civil works		
5	Construction & Pre- Commissioning Expenses		
5.1	Erection Testing and commissioning		
5.2	Site supervision		
5.3	Operator's Training		
5.4	Construction Insurance		
5.5	Tools & Plant		
5.6	Start up fuel		
	Total Construction & Pre- Commissioning Expenses		
6	Overheads		
6.1	Establishment		
6.2	Design & Engineering		
6.3	Audit & Accounts		
6.4	Contingency		
	Total Overheads		
7	Capital cost excluding IDC & FC		
8	IDC, FC, FERV & Hedging Cost		
6.1	Interest During Construction (IDC)		
6.2	Financing Charges (FC)		
6.3	Foreign Exchange Rate Variation (FERV)		
6.4	Hedging Cost		
	Total of IDC, FC, FERV & Hedging Cost		
8	Capital cost including IDC, FC, FERV & Hedging Cost		
	Note		
1. In case of time & Cost over run, a detailed note giving reasons of such time and cost over run should be submitted clearly bring out the agency responsible and whether such time & cost over run was beyond the control of the generating company.			

Not Applicable

Petitioner

Break-up of Capital Cost for Gas/Acquisition based Projects						Form No: F10
No	Break Down	As per original estimates	Actual capital expenditure as on COD	Liabilities/ provisions	Variation (B-C-D)	Rs. Crores Reasons for Variation
	A	B	C	D	E	F
1	Cost of Land & Site Development					Not Applicable
1.1	Land					
1.2	Rehabitation & Resettlement (R&R)					
1.3	Preliminary Investigation & Site development					
	Total Land & Site Development					
2	Plant & Equipment					
2.1	Steam Turbine generator Island					
2.2	Turbine Generator Island					
2.3	WHRB Island					
2.4	BOP Mechanical					
2.4.1	Fuel Handling & Storage system					
2.4.2	External water supply system					
2.4.3	CW system					
2.4.4	Cooling Towers					
2.4.5	DM water Plant					
2.4.6	Clarification plant					
2.4.7	Chlorination Plant					
2.4.8	Air condition & Ventilation System					
2.4.9	Fire Fighting system					
2.4.10	HP/LP Piping					
	Total BOP Mechanical					
2.5	BOP Electrical					
2.5.1	Switch Yard Package					
2.5.2	Transformers Package					
2.5.3	Switchgear Package					
2.5.4	Cables, Cable facilities & grounding					
2.5.5	Lighting					
2.5.6	Emergency D.G. set					
	Total BOP Electrical					
2.6	C & I Package					
	Total Plant & Equipment excl taxes & duties					
2.7	Taxes and Duties					
2.7.1	Custom Duty					
2.7.2	Other Taxes & Duties					
	Total Taxes & Duties					
	Total Plant & Equipment					



3	Initial spares				
4	Civil Works				
4.1	Main plant/Adm. Building				
4.2	External water supply system				
4.3	CW system				
4.4	Cooling Towers				
4.5	DM water Plant				
4.6	Clarification plant				
4.7	Fuel Handling & Storage system				
4.8	Township & Colony				
4.9	Temp. construction & enabling works				
4.10	Road & Drainage				
4.11	Fire Fighting system				
	Total Civil works				
5	Construction & Pre- Commissioning Expenses				
5.1	Erection Testing and commissioning				
5.2	Site supervision				
5.3	Operator's Training				
5.4	Construction Insurance				
5.5	Tools & Plant				
5.6	Start up fuel				
	Total Construction & Pre- Commissioning Expenses				
6	Overheads				
6.1	Establishment				
6.2	Design & Engineering				
6.3	Audit & Accounts				
6.4	Contingency				
	Total Overheads				
7	Capital cost excluding IDC & FC				
8	IDC, FC, FERV & Hedging Cost				
8.1	Interest During Construction (IDC)				
8.2	Financing Charges (FC)				
8.3	Foreign Exchange Rate Variation (FERV)				
8.4	Hedging Cost				
	Total of IDC, FC, FERV & Hedging Cost				
8	Capital cost including IDC, FC, FERV & Hedging Cost				

Not Applicable

Note:
 1. In case of time & Cost over run, a detailed note giving reasons of such time and cost over run should be submitted clearly bring out the agency responsible and whether such time & cost over run was beyond the control of the generating company.

Petitioner

Particulars		1	2	3	4	5	6	----	
1	Name/ No. of Construction / Supply / Service Package	Not Applicable							
2	Scope of works (in line with head of cost break-ups as applicable)								
3	Whether awarded through ICB/DCB/ Departmentally/ Deposit Work								
4	No. of bids received								
5	Date of Award								
6	Date of Start of work								
7	Date of Completion of Work								
8	Value of Award ² in (Rs. Lakh)								
9	Firm or With Escalation in prices								
10	Actual capital expenditure till the completion or up to COD whichever is earlier (Rs. Cr.)								
11	Taxes & Duties and IEDC								
12	IDC & FC								
13	Sub -total (9+10+11)								

1 The scope of work in any package should be indicated in conformity of Capital cost break-up for the coal/lignite based plants in the Form 9 to the extent possible. In case of Gas/Liquid fuel based projects, break down in the similar manner in the relevant heads as per Form 10.

2 If there is any package, which need to be shown in Indian Rupee and foreign currency(ies), the same should be shown separately alongwith the currency, the exchange rate and the date e.g. Rs. 8000 Lakh + US\$50 mn = Rs. 32000 Lakh at US\$ = Rs 48 as on say 1 April 2011

Petitioner

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Draw Down Schedule for Calculation of IDC & Financing Charges										
No	Draw Down Particulars	Quarter 1			Quarter 2			Quarter n (COD)		
		Quantum in Foreign currency	Exchange Rate on draw down date	Amount in Indian Rupee	Quantum in Foreign currency	Exchange Rate on draw down date	Amount in Indian Rupee	Quantum in Foreign currency	Exchange Rate on draw down date	Amount in Indian Rupee
1	Loans									
1.1	Foreign Loans									
1.1.1	Foreign Loan 1									
	Draw down Amount									
	IDC									
	Financing charges									
1.1.2	Foreign Loan 2									
	Draw down Amount									
	IDC									
	Financing charges									
1.1.3	--									
	--									
	--									
	Total Foreign Loans									
	Draw down Amount	0	0	0	0	0	0	0	0	0
	IDC	0	0	0	0	0	0	0	0	0
	Financing charges	0	0	0	0	0	0	0	0	0
1.2	Indian Loans									
1.2.1	Indian Loan 1									
	Draw down Amount									
	IDC									
	Financing charges									
1.2.2	Indian Loan 2									
	Draw down Amount									
	IDC									
	Financing charges									
1.2.3	--									
	--									
	--									
	Total Indian Loans									
	Draw down Amount	0	0	0	0	0	0	0	0	0
	IDC	0	0	0	0	0	0	0	0	0
	Financing charges	0	0	0	0	0	0	0	0	0
	Total of Loans drawn	0	0	0	0	0	0	0	0	0
	IDC	0	0	0	0	0	0	0	0	0
	Financing charges	0	0	0	0	0	0	0	0	0
2	Equity									
2.1	Foreign equity drawn									
2.2	Indian equity drawn									
	Total equity deployed	0	0	0	0	0	0	0	0	0

Not Applicable

Note: Drawal of debt and equity shall be on paripassu basis to meet the commissioning schedule. Drawal of higher equity in the beginning is permissible.

Petitioner

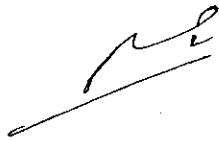


Financial Package as Approved		Financial Package as on COD		As Admitted on COD	
Currency	Amount	Currency	Amount	Currency	Amount
Loans					
Loan-PFC	700 Cr			INR	675.28
GNCTD	54Cr.			INR	54.41
Loan-III					
and so on					
Total Loan	0		0		729.69
Equity					
Foreign					
Domestic				INR	323.19
Total Equity	0		0		323.19
Debt : Equity Ratio					

¹ Say US \$ 200m + Rs.400 Cr or Rs.1360 Cr incl US \$200m at an exchange rate of 1 US \$=Rs.48/-

² Date of Commercial Operation means Commercial Operation of the last unit

Petitioner



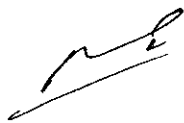
Details of Project Specific Loans						
Particulars	Package 1	Package 2	Package 3	Package 4	Package 5	Rs. Crores Package 6
Source of Loan ¹	PFC					
Currency ²	INR					
Amount of Loan sanctioned	700 Crores					
Amount of Gross Loan drawn upto 31.03.2011/ COD ^{3,4,5,13,15}	675.28 Crore					
Interest Type ⁶						
Fixed Interest Rate, if applicable	Fixed					
Base Rate, if Floating Interest ⁷						
Margin, if Floating Interest ⁸		Yes/No	Yes/No	Yes/No	Yes/No	Yes/No
Are there any Caps/Floor ⁹						
If above is yes, specify caps/floor						
Moratorium Period ¹⁰						
Moratorium effective from						
Repayment Period ¹¹	10 Years					
Repayment effective from						
Repayment Frequency ¹²	Quarterly					
Repayment Instalment ^{13,14}						
Base Exchange Rate ¹⁶						
Are foreign currency loan hedged?	No					
If above is yes, specify details ^{17, 18, 19}						

¹ Source of loan means the agency from whom the loan has been taken such as WB, ADB, WMB, PNB, SBI, ICICI, IFC, PFC etc.
² Currency refers to currency of loan such as US\$, DM, Yen, Indian Rupee etc.
³ Details are to be submitted as on 31.03.2011 for existing assets and as on COD for the remaining assets.
⁴ Where the loan has been refinanced, details in the Form is to be given for the loan refinanced. However, the details of the original loan is to be given separately in the same form.
⁵ If the Tariff in the petition is claimed separately for various units, details in the Form is to be given separately for all the units in the
⁶ Interest type means whether the interest is fixed or floating.
⁷ Base rate means the base as PLR, LIBOR etc. over which the margin is to be added. Applicable base rate on different dates from the date of drawl may also be enclosed.
⁸ Margin means the points over and above the floating rate.
⁹ At times caps/ floor are put at which the floating rates are frozen. If such a condition exists, specify the limits.
¹⁰ Moratorium period refers to the period during which loan servicing liability is not required.
¹¹ Repayment period means the repayment of loan such as 7 years, 10 years, 25 years etc.
¹² Repayment frequency means the interval at which the debt servicing is to be done such as monthly, quarterly, half yearly, annual.
¹³ Where there is more than one drawal/repayment for a loan, the date & amount of each drawal/repayment may also be given
¹⁴ If the repayment instalment amount and repayment date can not be worked out from the data furnished above, the repayment
¹⁵ in case of Foreign loan, date of each drawal & repayment alongwith exchange rate at that date may be given.
¹⁶ Base exchange rate means the exchange rate prevailing as on 31.03.2011 for existing assets and as on COD for the remaining
¹⁷ in case of hedging, specify details like type of hedging, period of hedging, cost of heging, etc.
¹⁸ At the time of truing up rate of interest with relevant reset date (if any) to be furnished separately.
¹⁹ At the time of truing up provide details of refinancing of loans considered earlier. Details such as date on which refinancing done, amount of refinanced loan, terms and conditions of refinanced loan, financing and other charges incurred for refinancing etc.

Petitioner

Details of Allocation of corporate loans to various projects							Form No. F-15
Particulars	Package 1	Package 2	Package 3	Package 4	Package 5	Rs. Crores Package 6	
Source of Loan ¹							
Currency ²							
Amount of Loan sanctioned							
Amount of Gross Loan drawn upto 31.03.2011/ COD ^{3,4,5,13,15}							
Interest Type ⁶							
Fixed Interest Rate, if applicable							
Base Rate, if Floating Interest ⁷							
Margin, if Floating Interest ⁸	Yes/No	Yes/No	Yes/No	Yes/No	Yes/No	Yes/No	
Are there any Caps/Floor ⁹							
If above is yes, specify caps/floor							
Moratorium Period ¹⁰							
Moratorium effective from:-							
Repayment Period ¹¹							
Repayment effective from							
Repayment Frequency ¹²							
Repayment Instalment ^{13,14}							
Base Exchange Rate ¹⁵							
Are foreign currency loan hedged?							
If above is yes, specify details ^{17, 18, 19}							
Distribution of loan packages to various projects							
Name of the Projects						Total	
Project 1							
Project 2							
Project 3 and so on							

¹ Source of loan means the agency from whom the loan has been taken such as WB, ADB, WMB, PNB, SBI, ICICI, IFC, PFC etc.
² Currency refers to currency of loan such as US\$, DM, Yen, Indian Rupee etc.
³ Details are to be submitted as on 31.03.2011 for existing assets and as on COD for the remaining assets.
⁴ Where the loan has been refinanced, details in the Form is to be given for the loan refinanced. However, the details of the original loan is to be given separately in the same form.
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⁶ Interest type means whether the interest is fixed or floating.
⁷ Base rate means the base as PLR, LIBOR etc. over which the margin is to be added. Applicable base rate on different dates from the date of drawl may also be enclosed.
⁸ Margin means the points over and above the floating rate.
⁹ At times caps/ floor are put at which the floating rates are frozen. If such a condition exists, specify the limits.
¹⁰ Moratorium period refers to the period during which loan servicing liability is not required.
¹¹ Repayment period means the repayment of loan such as 7 years, 10 years, 25 years etc.
¹² Repayment frequency means the interval at which the debt servicing is to be done such as monthly, quarterly, half yearly, annual.
¹³ Where there is more than one drawal/repayment for a loan, the date & amount of each drawal/repayment may also be given
¹⁴ If the repayment instalment amount and repayment date can not be worked out from the data furnished above, the repayment
¹⁵ In case of Foreign loan, date of each drawal & repayment alongwith exchange rate at that date may be given.
¹⁶ Base exchange rate means the exchange rate prevailing as on 31.03.2011 for existing assets and as on COD for the remaining
¹⁷ In case of hedging, specify details like type of hedging, period of hedging, cost of heging, etc.
¹⁸ At the time of truing up rate of interest with relevant reset date (if any) to be furnished separately.
¹⁹ At the time of truing up provide details of refinancing of loans considered earlier. Details such as date on which refinancing done, amount of refinanced loan, terms and conditions of refinanced loan, financing and other charges incurred for refinancing etc.



Petitioner

State		Form No. FIB					Rs. Crores	
No	Head of Work/ Equipment	Actual/ Projected additional capital expenditure claimed					Regulations under which claimed	Justification
		2012-13	2013-14	2014-15	2015-16	2016-17		
1	Diesel Electrical & gasPlant			10.4142	6.99	0.19	5.6,5.7,5.8 & 5.9 of DERC regulation 2011.	As per approval of DERC
2	EDP, WP machines							
3	Furniture and fixture							
4	Lab & Workshop Equipment							
5	Other Office Equipment							
6	P/M-Capital Spares							
7	Communication equipment							
8	Vehicles							
9	Meters							
10	P/M-Any Other Asset							
11	STG & WHRU							
12	Head quarter Share							
13	Others							
	Total	0.66	0.28	10.41	6.99	0.19		

Note:

1 Fill the form in chronological order year wise along with detailed justification clearly bring out the necessity and the benefits accruing to
 2 In case initial spares are purchased alongwith any equipment, then the cost of such spares should be indicated separately. e.g. Rotor -
 3 Actual/Projected additional capital expenditure claimed for 2008-09 shall be governed by Tariff Regulation for period 2004-09.

Petitioner



Name of Petitioner PRAGATI POWER PROJECTS LIMITED					
Name of Petitioner PRAGATI POWER PROJECTS LIMITED					
Financing of Additional Capitalisation					Form No. F17
Financial Year (Starting from COD)					Projected
	2012-13	2013-14	2014-15	2015-16	2016-17
Amount capitalised in Work/ Equipment					
Financing Details					
Loan-1	NA	NA	NA	NA	NA
Loan-2	NA	NA	NA	NA	NA
Loan-3 and so on	NA	NA	NA	NA	NA
Total Loan ²	NA	NA	NA	NA	NA
Equity					
Internal Resources	0.76	0.28	10.81		
Others	NA	NA	NA	NA	NA
Total					
¹ Year 1 refers to Financial Year of COD and Year 2, Year 3 etc. are the subsequent financial years respectively. ² Loan details for meeting the additional capitalisation requirement should be given as per Form 14 and Form 15 w/					
					Petitioner

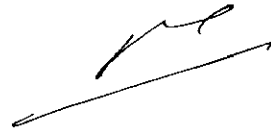


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Particulars		31.3.2013	31.3.2014	31.3.2015	31.3.2016	31.3.2016
A	a Opening Gross Block Amount as per books	1037.37	1038.13	1038.41	1048.38	1054.47
	b Amount of capital liabilities in A(a) above	NA	NA	NA	NA	NA
	c Amount of IDC, FC, FERV & Hedging cost included in A(a) above	NA	NA	NA	NA	NA
	d Amount of IEDC (excluding IDC, FC, FERV & Hedging cost) included in A(a)	NA	NA	NA	NA	NA
B	a Addition in Gross Block Amount as per books	0.76	0.28	9.97	6.09	0.19
	b Amount of capital liabilities in B(a) above	NA	NA	NA	NA	NA
	c Amount of IDC, FC, FERV & Hedging cost included in B(a) above	NA	NA	NA	NA	NA
	d Amount of IEDC (excluding IDC, FC, FERV & Hedging cost) included in B(a)	NA	NA	NA	NA	NA
B	a Closing Gross Block Amount as per books	1038.13	1038.41	1048.38	1054.47	1054.67
	b Amount of capital liabilities in C(a) above	NA	NA	NA	NA	NA
	c Amount of IDC, FC, FERV & Hedging cost included in C(a) above	NA	NA	NA	NA	NA
	d Amount of IEDC (excluding IDC, FC, FERV & Hedging cost) included in C(a)	NA	NA	NA	NA	NA

¹ Relevant date/s means date of COD of unit/s, station and financial year start date and end date

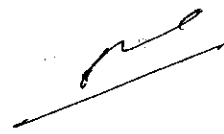
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Name of Company		PRAE POWER CORP.				
Name of Plant/ Station		PRAE POWER				
Statement of Capital Works In Progress						Form No. F19
						Rs. Crores
	Particulars	31.3.2013	31.3.2014	31.3.2015	31.3.2016	31.3.2017
A	a Opening CWIP Amount as per books	0	0	0	0	0
	b Amount of capital liabilities in above	NA	NA	NA	NA	NA
	c Amount of IDC, FC, FERV & Hedging cost included in a above	NA	NA	NA	NA	NA
B	a Addition/Adjustment in CWIP Amount during the period	0	0	0	0	0
	b Amount of capital liabilities in above	NA	NA	NA	NA	NA
	c Amount of IDC, FC, FERV & Hedging cost included in a above	NA	NA	NA	NA	NA
C	a Capitalization/Transfer to Fixed asset of CWIP Amount during the period	0	0	0	0	0
	b Amount of capital liabilities in above	NA	NA	NA	NA	NA
	c Amount of IDC, FC, FERV & Hedging cost included in a above	NA	NA	NA	NA	NA
O	a Closing CWIP Amount as per books	0	0	0	0	0
	b Amount of capital liabilities in above	NA	NA	NA	NA	NA
	c Amount of IDC, FC, FERV & Hedging cost included in a above	NA	NA	NA	NA	NA

¹ Relevant date/s means date of COD of unit/s, station and financial year start date and end date

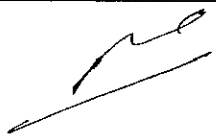
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Name of Company		PRAGATI POWER CORPORATION LIMITED				
Name of Petitioner		PRAGATI POWER CORPORATION				
R&M Expenses		Form No. (P)				
		(Rs in Crore)				
	Particulars	2012-13	2013-14	2014-15	2015-16	2016-17
		Trued up	Trued up	Actual	Actual	2016-17 (up to 31.12.2016)
1	Plant and Machinery			29.54	12.21	31.54
2	Building			1.147	0.52	0.52
3	Civil Works HQ share			0	0	0
4	Special repair (Residential colony)			0	0	0
5	Hydraulic Works			0	0	0
6	Lines, Cables Net Works etc.			0	0	0
7	Vehicles			0	0	0
8	Furniture and Fixtures			0	0	0
9	Office Equipments			0	0	0
10	Other Credits to R&M Charges			3.15	2.83	0.00
11	Station Supplies (STP Expenditure)			0.00	3.35	4.20
12	DLN Burners			0.00	65.55	7.66
	Total			33.84	15.56	32.06
13	Any other items (Capitalisation)					
	Total	12.49	12.90	33.84	15.56	32.06

Petitioner



Employee Expenses		Form No: F21					(Rs in Crore)
Particulars	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17	
	Actual	Trued up	Trued up	Actual	Actual	Estimated	
1 Salaries	20.76	24.63	26.61	19.89	21.50	33.00	
2 Additional Pay							
3 Dearness Allowance (DA)							
4 Other Allowances & Relief	5.23						
5 Addl. Pay & C. Off Encashment							
6 Interim Relief / Wage Revision							
7 Honarium/Overtime	0.61						
8 Bonus/ Exgratia To Employees	0.21						
9 Medical Expenses Reimbursement	1.40						
10 Travelling Allowance(Conveyance Allowance)							
11 Leave Travel Assistance	0.87	included in above	included in above	included in above	included in above	included in above	
12 Earned Leave Encashment	0.81						
13 Payment Under Workman's Compensation And Gratuity							
14 Subsidised Electricity To Employees							
15 Any Other Item							
16 Staff Welfare Expenses	2.68						
17 Apprentice And Other Training Expenses							
18 Contribution To Terminal Benefits							
19 Provident Fund Contribution	1.07						
20 Provision for PF Fund							
21 Any Other Items	1.17						
Total Employee Costs	34.82	24.63	26.61	19.89	21.50	33.00	
22 Less: Employee expenses capitalised							
Net Employee expenses (D)-(E)	34.82	24.63	26.61	19.89	21.50	33.00	

Petitioner

Name of Company		Power Corporation Limited					Form No. F22
Name of Plant / Station		Braj - ONE STATION					(Rs in Crore)
Administration & General Expenses							
Particulars	2011-12	2012-13	2013-14	2014-15	2015-16	2016-17	
	Actual	Trued up	Trued up	Actual	Actual	Estimated	
1 Lease/ Rent							
2 Insurance	4.10	0	0	4.43	4.01	3.94	
3 Revenue Stamp Expenses Account							
4 Telephone, Postage, Telegram & Telex Charges	0.18						
5 Incentive & Award To Employees/Outsiders							
6 Consultancy Charges							
7 Technical Fees		included in above	included in above	included in above	included in above	included in above	
8 Other Professional Charges							
9 Conveyance And Travelling	0.09						
10 License and Registration Fees	0.17						
11 Vehicle Expenses							
12 Security / Service Charges Paid To Outside Agencies	3.71	-	-	6.05	6.23	8.00	
13 Fee And Subscriptions Books And Periodicals		included in above	included in above	included in above	included in above	included in above	
14 Printing And Stationery	0.08						
15 Advertisement Expenses							
16 Contributions/Donations To Outside institutes / Associations							
17 Electricity Charges To Offices							
18 Water Charges	0.45						
19 Entertainment Charges							
20 Miscellaneous Expenses	1.08	-	-	0.73	0.56	0.62	
21 Legal Charges	0.06						
22 Auditor's Fee	0.16						
23 Freight On Capital Equipments							
24 Purchase Related Advertisement Expenses	0.90						
25 Vehicle Running Expenses Truck / Delivery Van	1.20						
26 Vehicle Hiring Expenses Truck / Delivery Van							
27 Other Freight		included in above	included in above	included in above	included in above	included in above	
28 Transit Insurance							
29 Octroi							
30 Incidental Stores Expenses							
31 Fabrication Charges							
32 ERP Expenses	4.17						
Total A&G Expenses	16.35	15.14	16.26	11.21	10.80	12.56	
Less: A&G Expenses Capitalised							
Total A&G Expenses	16.349	15.14	16.26	11.21	10.80	12.56	

Petitioner

Name of Asset	Depreciation rate ¹	2012-13						2013-14				Rs. in Crores	
		Actuals		Actuals		Actuals		Actuals		Adjustment & Deduction	Appreciation		Closing
		Opening	Addition	Adjustment & Deduction	Depreciation	Closing	Opening	Addition	Adjustment & Deduction				
1 Land owned under full ownership													
2 Land under lease													
For investment in land													
For cost of clearing site													
Plant and machinery in generating stations including plant foundations	6.00%	947.57											
4 Main Plant Building	3.60%	81.10											
5 Other Building	1.80%	2.64											
6 Self propelled vehicles	18.00%	0.54											
7 Office furniture and fittings	6.00%	0.91											
8 Communication equipment	6.00%	0.06											
9 Office equipments	16.21%	0.2006											
10 Computer	16.21%	0.0808											
11 Software	33.33%	0.0024											
12 HQ Share		5.2459											
13 Others													
		1037.37	0.76	-0.10	52.95	1038.03	1038.03	0.28	0.00	53.05	1038.31		

¹ Depreciation Rates as per DERC's Depreciation Rate Schedule
 0.00000001

Petitioner

2014-15			2015-16			2016-17								
Actuals			Actuals			Estimated								
Opening	Addition	Adjustment & Deductio	Depreciation	Closing	Opening	Addition	Adjustment & Deductio	Closing	Opening	Addition	Adjustment & Deductio	Depreciation	Closing	
	10.414	-0.676	-53.072			6.99	-0.9	53.96		0.192	0	43.98		
	0.000		-2.708					2.71						
	0.049		-0.093					0.10						
	0.190		-0.058					0.07						
	-0.011		-0.047					0.06						
	0.043		-0.003					0.00						
	-0.042	-0.051	0.018					0.02						
	0.000							0.02						
	0.021	-0.113	-0.060					0.16						
	0.149		-0.034											
1038.31	10.813	-0.839	-56.058	1048.28	1048.28	6.99	-0.90	57.10	1054.37	1054.37	0.19	0.00	43.98	1054.57

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2012-13 Actual		2013-14 Actual		Rs. Crores									
Loan Details	Loan Tenure (yrs)	Rate of Interest	Opening Balance	Amount received	Principal repayment	Interest Due	Closing Balance	Rate of Interest	Opening Balance	Amount received	Principal repayment	Interest Due	Closing Balance
A Secured Loans													
Loan 1		11%	11,382	0	8	1,25	11,382	11%	11,382	0,147	0,87	1,20	10,512
Loan 2 (FY 13-14)													
Loan 3 (FY 14-15)													
Loan 4 (FY 15-16)													
Loan 5 (16-17)													
Sub-Total			11,382			1,25	11,382		11,382	0,15	0,87	1,21	10,666
B Unsecured Loans													
Loan 1			118,16	8	87,53	7,68	50,63		50,63		50,63	1,44	0
Sub-Total			118,16	0,08	87,53	7,68	50,63		58,53	0,00	50,63	1,44	0,00
C Other Interest & Finance Charges													
Cost of raising Finance / Bank Charges													
Interest on Security Deposit													
Penal Interest Charges													
Lease Bonuses													
Sub-Total			8	8	0	0,08	0		8	0	0	0,00	0
D Grand Total Of Interest & Finance Charges (A + B + C)			129,54	8,80	87,53	8,93	62,81		82,01	8,15	51,60	2,85	10,666
E Loss: Interest & Finance Charges Capitalised			8	0,00	87,53	8,93	0,00		62,01	0,00	51,50	2,85	10,659
Net Total Of Interest & Finance Charges (D - E)			129,54	0,00	87,50	8,93	62,01		62,01	0,15	51,50	2,85	10,659

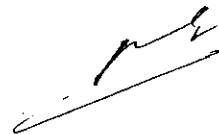
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Loan Tenure (Yrs)	Rs. Crores										Form No. P23		Rs. Crores				
	2014-15 Actual					2015-16 Actual					2016-17 Estimated		Rs. Crores				
Rate of Interest	Opening Balance	Amount received	Principal repayment	Interest Due	Closing Balance	Rate of Interest	Opening Balance	Amount received	Principal repayment	Interest Due	Closing Balance	Rate of Interest	Opening Balance	Amount received	Principal repayment	Interest Due	Closing Balance
11.65%	10.512	0.87	1.0847	9.642	11.65%	9.64	0.07	1.01	8.77	11.65%	8.77	11.65%	8.77	0.07	8.87	0.92	7.90
11.65%	8.147	8.821	0.015013	8.126	11.65%	8.13	0.021	8.01	0.11	11.65%	0.11	11.65%	0.021	0.021	0.81	0.81	0.83
11.65%	0	7.559	0	0.440896	7.569058	11.65%	7.565	8	0.757	8.812	6.812	11.65%	6.812	0	0.757	8.750	6.055
11.65%	0	0	0	0	11.65%	0.80	4.893	0	0.27	4.09	4.89	11.65%	4.89	0.979	0.48	3.91	
	10.51	7.57	0.07	1.55	17.21		17.21		2.12	20.48	20.48		20.48	0.1344	0	0.01	18.01
	0	0	0	0	0		8.00	0	8	0	0		0.00	0	8	0	0
	0.08	0.00	0.00	0.80	0.00		0.00	0.80	0.00	0.00	0.00		0.00	0.00	0.88	0.00	0.00
	8	0	0	0	0		0	0	0	0	0		0	0	0	0	0
	10.51	7.57	0.07	1.55	17.21		17.21	8.00	2.12	20.40	20.40		20.40	0.00	0.08	2.16	18.01
	10.51	7.57	0.07	1.55	17.21		17.21	0.00	2.12	20.48	20.48		20.48	0.00	0.00	2.16	18.01

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Name of Company		PRAGATI POWER CORPORATION LIMITED					
Name of Plant/Station		PPS-1 POWER STATION					
Return on Equity		Form No: F25					
	Loan Details	Unit	2012-13	2013-14	2014-15	2015-16	2016-17
			Actual	Actual	Actual	Actual	Estimated
1	Equity (Opening Balance)	Rs Crores	324.93	325.13	325.21	328.20	330.03
2	Net additions during the year	Rs Crores	0.20	0.08	2.99	1.83	0.06
3	Equity (Closing Balance)	Rs Crores	325.13	325.21	328.20	330.03	330.09
4	Average Equity	Rs Crores	325.03	325.17	326.71	329.12	330.06
5	Rate of Return on Equity	%	17.52%	17.71%	17.71%	17.80%	17.80%
6	Rate of Return on Equity	Rs Crores	56.94	57.60	57.87	58.58	58.74

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Working Capital Requirements Form No: F-26

	Details	Unit	2012-13	2013-14	2014-15	2015-16	2016-17
			Actual	Actual	Actual	Actual	Estimated
For Coal Based Generating Stations							
1	Cost of Coal for 1.5 months	Rs Crores					
2	Cost of Secondary Fuel Oil for 2 months	Rs Crores					
3	Maintenance Spares @ 20% of O&M	Rs Crores					
4	O&M expenses for 1 month	Rs Crores					
5	Receivables equivalent to 2 months of capacity and energy charge	Rs Crores					
	Total Working Capital	Rs Crores					
	Rate of Interest	%					
	Interest on Working Capital	Rs Crores					
For Open-cycle Gas Turbine/ Combined Cycle thermal generating stations							
1	Fuel expenses for 1 month	Rs Crores			44.80	64.21	64.21
2	Liquid fuel stock for ½ month	Rs Crores			0	0	0
3	Maintenance spares @ 30% of O&M	Rs Crores			23.50	24.63	24.63
4	O&M expenses for 1 month	Rs Crores			6.53	6.84	6.84
5	Receivables equivalent to 2 months of capacity and energy charge	Rs Crores			125.12	159.92	159.92
	Total Working Capital	Rs Crores	219.83	250.43	199.95	255.60	255.60
	Rate of Interest	%	13.50%	13.50%	13.50%	13.50%	13.50%
	Interest on Working Capital	Rs Crores	29.68	33.81	26.99	34.51	34.51

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Details of Expenses Capitalised		Form No. F28				
		Rs. in crore				
		2012-13	2013-14	2014-15	2015-16	2016-17
		Actual	Actual	Actual	Actual	Estimated
1	Interest & Finance charges Capitalised	0	0	0	0	0
2	Employee expenses	0	0	0	0	0
3	A&G Expenses	0	0	0	0	0
4	Others, if any	0	0	0	0	0
Grand Total		0.00	0.00	0.00	0.00	0.00

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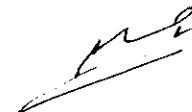


Income Tax Provisions		2012-13	2013-14	2014-15	2015-16	2016-17
		Actual	Actual	Actual	Actual	Estimated
1	Income Tax on the Return on Equity	11.39	12.07	12.13	12.50	12.54
2	As Per Return Filed For The Year	32.28	44.70	21.98	3.51	
3	As Assessed For The Year			-		
4	Credit/Debit Of Assessment Year(s) (Give Details)	-	-	-		
Total						
<p>Note: 'Income Tax Provisions' details which could not be provided by the Transmission Company at the time of this filing shall be furnished as and when they become due/ available.</p>						
						Petitioner



Pragati Power Station-I**FY 2014-15****Computation of Gas consumption on Gross Generation**

S.No.	Description	Unit	Combined cycle	Open cycle
1	Net Generation	MU	1791.95	0.99
2	Normative Aux. Consumption	%	2.6	1
		MU	55.42	0.01
3	Gross generation	MU	1847.4	1.0
4	Actual Heat rate	Kcal/Kwh	2046	3188
5	Av. GCV of Gas	Kcal/SCM	9647	9647
6	Gas Cons. on gross gen.	MMSCM	391.80	0.33
7	Average Landed cost of Gas(Oct. to Dec.14)	Rs./000SCM	19027.00	19027.00
8	Total Fuel Cost	Rs.Crores	745.48	0.63
9	Energy Charge Rate	Rs./kWh	4.16	6.35



Pragati Power Station-I**FY 2015-16****Computation of Gas consumption on Gross Generation**

S.No.	Description	Unit	Combined cycle	Open cycle
1	Net Generation	MU	1497.75	0.99
2	Normative Aux. Consumption	%	2.71	1
		MU	41.72	0.01
3	Gross generation	MU	1539.471	1.0
4	Actual Heat rate	Kcal/Kwh	1998	3196
5	Av. GCV of Gas	Kcal/SCM	9579	9579
6	Gas Cons.on gross gen.	MMSCM	322.43	0.33
7	Average Landed cost of Gas(Oct. to Dec.14)	Rs./000SCM	17999.00	17999.00
8	Total Fuel Cost	Rs.Crores	580.36	0.60
9	Energy Charge Rate	Rs./kWh	3.87	6.07



Pragati Power Station-I

FY 2016-17

Computation of Gas consumption on Gross Generation

S.No.	Description	Unit	Combined cycle	Open cycle
1	Net Generation	MU	1451.25	0.99
2	Normative Aux. Consumption	%	2.66	1
		MU	39.66	0.01
3	Gross generation	MU	1490.9	1.0
4	Actual Heat rate	Kcal/Kwh	1970	3164
5	Av. GCV of Gas	Kcal/SCM	9472	9472
6	Gas Cons.on gross gen.	MMSCM	311.60	0.33
7	Average Landed cost of Gas(Oct. to Dec.14)	Rs./000SCM	14193.00	14193.00
8	Total Fuel Cost	Rs.Crores	442.25	0.47
9	Energy Charge Rate	Rs./kWh	3.05	4.79



Gas bills Summary of FY 2014-15 for PPS1

Month	Natural gas			NAPM			PMT			RLNG			Total	
	QTY:000SCM	Value	Rate per 000 SCM	QTY:000SCM	Value	Rate per 000 SCM	QTY:000SCM	Value	Rate per 000 SCM	QTY:000SCM	Value	Rate per 000 SCM	Total QTY in'000SCM	Total Value
Apr-14	20,171.94	212,421,360.00	10,530.54	2,880,723.00	14,403.62	1,193.42	12,583,809.00	10,544.37	5,405.01	196,351,340.00	36,327.66	26,970.36	424,237,252.00	
May-14	22,790.57	235,876,837.00	10,349.76	505,499.00	14,040.53	413.30	4,259,331.00	10,305.64	82.28	3,029,163.00	36,815.75	23,322.15	243,670,790.00	
Jun-14	23,124.95	234,895,647.00	10,157.67	2,121,745.00	13,930.44	2,382.43	24,226,794.00	10,168.94	4,223.51	157,619,699.00	37,319.57	29,883.20	418,863,885.00	
Jul-14	19,250.00	199,454,116.00	10,361.25	5,643,170.00	14,168.21	2,772.10	28,712,781.00	10,357.79	22,151.90	849,029,036.00	38,327.60	44,572.29	1,082,839,103.00	
Aug-14	23,080.00	240,560,549.00	10,422.90	5,951,921.00	14,241.06	3,205.93	33,382,593.00	10,415.87	16,531.72	645,986,625.00	39,075.58	43,235.60	925,891,690.00	
Sep-14	24,410.00	256,784,123.00	10,519.63	3,967,409.00	14,561.56	3,216.71	33,846,986.00	10,522.25	14,851.24	586,928,526.00	39,520.50	42,754.20	881,527,044.00	
Oct-14	22,920.00	243,608,065.00	10,628.62	7,595,385.00	14,497.08	3,356.32	35,661,155.00	10,625.07	15,932.47	629,530,623.00	39,512.42	42,732.72	916,395,228.00	
Nov-14	22,387.58	308,566,729.00	13,782.95	3,793,521.00	15,389.72	1,712.04	24,571,308.00	14,352.08	4,617.11	187,912,492.00	40,699.13	28,963.22	524,844,050.00	
Dec-14	20,340.00	280,460,181.00	13,788.60	6,444,643.00	15,333.62	3,104.97	45,036,474.00	14,504.63	6,610.24	275,188,489.00	41,630.63	30,475.51	607,129,767.00	
Jan-15	18,834.14	265,043,382.00	14,072.49	3,674,067.00	15,649.26	1,654.90	23,700,619.00	14,321.52	8,763.32	354,358,005.00	40,436.52	29,499.91	646,976,073.00	
Feb-15	18,240.00	254,171,514.00	13,934.84	6,079,796.00	15,510.87	2,732.76	39,182,301.00	14,337.99	1,724.62	71,210,117.00	41,290.23	23,089.36	370,643,728.00	
Mar-15	22,897.35	319,780,346.00	13,965.83	1,814,158.00	15,455.03	1,558.35	22,599,826.00	14,502.41	1,725.32	67,376,530.36	39,051.64	26,298.40	411,570,660.36	
Grand Total:	258,446.51	3,051,622,869.00	11,807.56	50,871,997.00	14,779.96	27,303.22	327,773,979.00	12,004.96	102,618.78	4,024,520,625.36	39,216.18	391,796.92	7,454,589,470.36	
	217,309.17	2,477,671,009.00		42,778,043.00		23,012.11	265,991,862.00		99,168.81	3,885,933,978.00		342,409.16	6,672,374,882.00	

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Gas bills Summary of FY 2015-16 for PPS1

Month	Natural Gas			NAPM			PMT			RLNG			Spot RLNG			Total		
	QTY	Value	SCM	QTY	Value	SCM	QTY	Value	SCM	QTY	Value	SCM	QTY	Value	SCM		QTY	Value
Apr-15	20,890.88	267,418.06	12,881.19	345.19	4,988,817.80	14,228.89	2,805.90	48,179.14	14,319.54	3,765.96	149,750.71	38,775.55	2,295.31	64,065.11	27,811.35	30,182.30	526,388.83	1.88
May-15	24,446.05	317,211.34	12,974.98	535.28	7,719,588.08	14,421.88	2,782.21	40,743.37	14,644.26	3,351.81	131,472,658.00	39,224.35	9,324.37	273,281,802.00	29,153.38	49,438.63	779,847,240.80	1.88
Jun-15	22,150.88	288,462.70	13,112.44	378.23	5,965,733.08	14,547.74	2,845.85	39,745.18	14,643.87	1,851.24	431,147,223.00	39,013.47	19.80	517,968.00	26,184.87	36,110.94	706,379,856.88	1.88
Jul-15	21,930.80	285,462.70	13,035.52	270.53	3,721,979.00	14,555.54	2,329.55	33,748,233.08	14,497.22	15,435.35	589,221,525.00	38,108.73	289.32	7,787,881.00	26,812.08	31,170.78	604,832,819.00	1.88
Aug-15	21,805.27	282,153.20	12,939.74	270.53	3,812,609.08	14,343.21	1,888.26	23,922,111.00	14,796.18	5,187.72	239,488,377.88	38,541.88				29,783.16	517,395,871.00	1.88
Sep-15	21,408.00	281,376.62	13,448.44	345.83	5,817,323.00	14,588.68	3,156.62	46,942,329.00	14,871.05	10,818.23	417,019,750.00	38,476.47				35,780.45	536,953,824.80	1.88
Oct-15	19,747.57	221,769.65	11,331.02	189.31	2,351,351.00	12,709.65	2,640.78	40,129,884.00	15,150.00	538.92	11,729,427.00	21,845.77				23,132.65	270,089,327.80	1.88
Nov-15	22,098.58	240,088.07	18,868.86	277.83	3,789,841.08	13,154.37	1,987.40	27,971,718.88	14,654.82	38.34	65,854,780.00	38,703.12				24,076.89	270,089,327.80	1.88
Dec-15	18,380.00	202,012.00	19,844.88	277.83	3,940,285.00	12,456.36	2,844.35	43,488,867.08	14,743.15	1,685.67	381,690,637.08	24,198.12				23,217.85	214,785,956.88	1.88
Jan-16	17,848.88	191,783.05	11,217.50	370.38	3,940,285.00	12,895.77	3,374.22	51,190,957.88	15,237.31	1,871.75	15,127,457.80	22,654.34				21,297.37	502,007,758.88	1.88
Feb-16	1,486.59	19,807.87	11,468.37	248.82	3,124,154.00	12,882.82	1,537.06	17,988.71	14,817.36	1.87	22,342.00	28,821.99				1,594.81	268,936,759.00	1.88
Mar-16	208,779.06	2,646,907.65	12,234.39	3,362.18	46,451,578.08	13,928.12	29,831.67	38,439,079.33	14,817.91	69,124.68	2,431,743,651.00	35,872.86	11,928.80	346,072,875.00	79,811.53	322,433.28	5,803,849,334.79	1.88

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Gas bills Summary of FY 2016-17 for PPS1

Month	Natural Gas		NAPM		PMT		RLNG		SPECIAL RING		Total		
	QTY'000SCH	Value	QTY'000SCH	Value	QTY'000SCH	Value	QTY'000SCH	Value	QTY'000SCH	Value	Rate per 1000 SCH	Total QTY'000SCH	Total Value
Apr-16	21,128.48	196,559,855.00	240.74	2,576,511.80	9,878.04	183,273,457.00	18,569.67	13,497.00	0.64	13,497.00	21,155.17	34,629.45	435,136,414.80
May-16	15,268.88	178,517,779.88	319.78	3,380,863.88	16,628.42	304,502,050.00	19,524.30					39,844.31	559,014,294.00
Jun-16	15,680.80	145,533,342.00	342.95	3,692,587.08	17,654.10	368,900,684.00	28,782.75		1,699.36	36,888,584.00	21,189.53	38,289.32	597,779,413.00
Jul-16	17,317.87	182,889,697.00	368.51	3,910,953.00	11,814.92	256,896,482.88	22,117.88		4,684.90	189,343,798.88	23,339.63	37,416.42	579,333,726.00
Aug-16	17,830.00	167,358,472.00	364.75	3,949,841.80	13,318.14	300,196,445.00	22,538.90		13.20	842,324.00	63,817.26	34,206.64	514,250,192.00
Sep-16	22,566.78	211,449,458.88	287.79	3,106,439.88	5,750.74	128,846,083.00	22,405.12					29,939.26	363,323,047.80
Oct-16	18,890.88	141,818,681.00	451.29	3,890,511.08	3,270.89	71,879,003.88	21,731.88					23,504.28	257,724,766.08
Nov-16	17,248.08	131,102,865.00	485.58	4,458,859.00	15,858.10	388,388,181.88	22,473.64					36,831.37	540,283,469.00
Dec-16	18,128.08	135,382,628.00	485.58	4,453,495.80	16,434.22	451,271,938.00	24,387.18					35,264.03	577,681,081.00
Grand Total	186,822.23	1,487,485,776.00	3,199.51	33,828,014.00	119,412.56	2,399,367,483.00	21,640.28	6,398.09	146,288,284.00	22,851.84	311,584.88	4,422,679,416.00	

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