

**Form 01 – Plant Characteristic**

**Name of the Company : P.P.C.L.**

**Name of the Power Station : Pragati Power Station**

S.No.	Details	Unit-1	Unit-2	Unit-3
1	Rate capacity	104	104	122
2	Date of synchronization	15 <sup>th</sup> March,02	15 <sup>th</sup> May,02	31 <sup>st</sup> Jan,03
3	Capacity at the date of synchronization	104	104	122
4	Date of entry into commercial operation	2.7.02	3.12.02	15.5.03
5	Date of stabilization	-do-	-do-	15.8.03
6	Capacity at the date of stabilization	104	104	122
7	Has any performance test been performed	Yes, OK	Yes, OK	To be carried out
8	If yes, capacity at test	104	104	NA
9	Type of cooling system for condenser	NA	NA	Close Cycle (Water)
10	Type of Boiler Feed Pump	NA	NA	Motor Driven
11	Type of cooling system for electric generator	Air	Air	Air
12	Any other special feature	DLN Burner	DLN Burner	
13	Fuel Type	N. Gas	N. Gas	Exhaust Heat
14	Basic characteristics of the plant	RAW WATER FROM SEWAGE TREATMENT PLANT		

**(PETITIONER)**

**Form 02 – Statement of Project Cost upto COD**

**Name of the Company : P.P.C.L.**

**Name of the Power Station : Pragati Power Station**

**Cost in Rs. Crore**

<b>S.No.</b>	<b>Break Down Details</b>	<b>As per original approval</b>	<b>As in completed cost on COD</b>
1	Cost of Land, Works, Plant & Equipment & services		Turnkey Project
2	Land & Preliminary Investigation		
3	Site development		
4	Steam Generator Island		
5	Turbine Generator Island		
6	BOP Mechanical		
7	BOP Electrical & C&I		
8	External water supply system		
9	External coal transportation system		
10	Rolling Stock and Locomotives		
11	Ash disposal Plant & Equipment		
12	Initial spares		
13	Civil Works		
14	Ash disposal area development		
15	Township & Colony		
16	Temp. construction & enabling works		
17	Erection Testing and commissioning		
18	Procurement & Management fee		
19	Installation & Engineering		
20	Estab./Construction supervision		
21	Operator's Training		
22	Construction Insurance		
23	Tools & Plant		
24	Access and diversion Road		
25	Operators training		
26	Start up fuel		
27	Shared Facilities Costs		
28	Taxes and Duties		
29	Custom Duty		
30	Other Taxes & Duties		
31	Overheads		
32	Development expenses		
33	Legal fee etc.		
34	Establishment		
35	Owners Engg. Expenses		
36	Pre-operative expenses		
37	Audit & Accounts		
38	Contingency		
39	Project cost without IDC & FC		
40	IDC & FC4		
41	Project cost including IDC & FC	Rs. 1077 Cr.	
42	Working Capital Margin	Rs. 71.30 Cr.	

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**Form 03 – Financial Package upto COD**

**Name of the Company : P.P.C.L.**

**Name of the Power Station : Pragati Power Station**

**Description : Financial package upto COD**

	<b>Financial Package as Approved</b>		<b>Financial Package as on COD</b>	
	<b>Currency and Amount</b>		<b>Currency and Amount</b>	
Loan-I	INR	Rs.700 Cr.	INR	Rs.700 Cr.
Loan-II	INR	Rs.54 Cr.	INR	Rs.54 Cr.
Loan-III	-			
and so on				
Equity-				
Foreign		NIL		NIL
Domestic	INR	Rs.323 Cr.	INR	Rs.323 Cr.
Total Equity				

**(PETITIONER)**

**Form 04 – Additional Capitalisation after COD**

**Name of the Company : P.P.C.L.**

**Name of the Power Station : Pragati Power Station**

<b>S.No.</b>	<b>Year</b>	<b>Work/Equipment added after COD</b>	<b>Amount Capitalised</b>
		Nil	

**(PETITIONER)**

**Form 05 – Yearly Statement of Add. Capitalisation & Financing**

**Name of the Company : P.P.C.L.**

**Name of the Power Station : Pragati Power Station**

S.No.	Work/Equipment added/to be added	Amount Capitalised/Proposed to be capitalised	Financing Details			
			Equity	Loan-1	Loan-2	So on
	Nil					

**(PETITIONER)**

**Form 06 – Yearly Statement of Depreciation**

**Name of the Company : P.P.C.L.**

**Name of the Power Station : Pragati Power Station**

<b>S.No.</b>	<b>Depreciation Parameters</b>	<b>Previous Year (2002-03)</b>	<b>Current Year (April to Oct.,03) Actual</b>	<b>Current Year (2003-04) Estimated</b>	<b>Ensuing Year (2004-05) Estimated</b>
1	Accumulated depreciation	--	Rs.31.59 Cr.	Rs.31.59 Cr.	Rs.116.69 Cr
2.	Depreciation on Capital Cost	Rs.31.59 Cr*	Rs.48.07 Cr.	Rs.85.10** Cr.	Rs.88.74 Cr.
3	Amount of Additional Capitalisation				
4	Depreciation on Additional Capitalisation				
5	Amount of FERV on which depreciation charged	--		--	--
6	Depreciation amount related to FERV	--		--	--
7	Total Depreciation during the year (2+4+6)	Rs.31.59 Cr.	Rs.48.07 Cr.	Rs.85.10 Cr.	Rs.88.74 Cr.

\* :GT-1 & 2 @ 8.24% = Rs.31.59 Cr. for the year 2002-03

\*\* Rs.85.10 Cr. on Rs.1077 Cr. @ 8.24%.

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**Form 07 – Yearly Statement of Advance Against Depreciation**

**Name of the Company : P.P.C.L.**

**Name of the Power Station : Pragati Power Station**

**NIL**

<b>S.No.</b>	<b>Depreciation Parameters</b>	<b>Previous Year (2002-03)</b>	<b>Current Year (Apr. to Oct,03) Actual</b>	<b>Current year (2003-04) Estimated</b>	<b>Ensuing year (2004-05) Estimated</b>
1	1/12 <sup>th</sup> of the Original Scheduled Loan(s)	Rs.62.83 Cr.	Rs. 62.83 Cr.	Rs.62.83 Cr.	Rs.62.83 Cr.
2	Originally Scheduled Repayments of the Loan(s)	-	--	Rs.17.5 Cr.	Rs.70.00 Cr.
3	Min. of Col. (1) & (2)	-	--	Rs.17.5 Cr.	Rs.62.83 Cr.
4	Total Depreciation during the year (From form 6)	Rs.31.59 Cr.	Rs.48.07 Cr.	Rs85.10 Cr.	Rs.88.74 Cr.
5	ADD= (3) – (4)	-	-	NIL	NIL

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**Form 08 – Computation of Interest on Various Loans**

**Name of the Company : P.P.C.L.**

**Name of the Power Station : Pragati Power Station**

<b>S. No.</b>	<b>Details</b>	<b>Currency-1</b>	
		Loan-1 (PFC)	Loan-2 (Govt.)
1	Opening Balance	Rs.700 Cr.	Rs.54 Cr.
2	New Disbursement	--	--
3	Schedule Repayment date	Jan,04	--
4	Scheduled exchange rate	NA	NA
5	Actual Repayment date	Jan, 04	NA
6	Actual exchange rate	NA	NA
7	Repayment amount	Rs.17.50 Cr.	--
8	Closing balance	Rs.682.50 Cr.	
9	Interest paid/Payable	Rs.80.00 Cr.	Rs.3.65 Cr.

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# Form 09 – Yearly Statement of Interest on Working Capital

Name of the Company : P.P.C.L.

Name of the Power Station : Pragati Power Station

S.No.	Details	Previous Year (2002-03)	Current Year 2003-04 (April-Oct'03) Actual	Current Year 2003-04 Estimated	Ensuing Year 2004-05 Estimated
1	Fuel Cost – 1 month	Rs.12.43 Cr.	Rs.18.10 Cr.	Rs.17.57 Cr.	Rs.18.45 Cr.
2	Fuel Stock – 1 or ½ month	--	--	--	--
3	Oil stock – 2 months	--	--	--	--
4	Coal Stock 1 or ½ month	--	--	--	--
5	Oil Stock –2 months	--	--	--	--
6	O&M expenses – 1 month	Rs.1.98 Cr.	Rs.2.42 Cr.	Rs.2.42 Cr.	Rs.2.76 Cr.
7	Spares 1 year = 40% of O&M Less 1/5 <sup>th</sup> of initial capitalized spares for first 5 years		--	--	--
8	Receivables –2 months	Rs.44.50 Cr.	Rs.74.00 Cr.	Rs.71.38 Cr.	Rs.71.38 Cr.
9	Total Working Capital	Rs58.91 Cr.	Rs.94.32 Cr.	Rs.91.37 Cr.	Rs.92.49 Cr.
10	Working Capital Loan allowed		--	--	--
11	Weighted Average Interest Rate	12.5	12.5	12.5	12.5
12	INTEREST ON WORKING CAPITAL (Rs.Cr.)	Rs.5.52 Cr.	Rs.6.89 Cr.	Rs.11.42 Cr.	Rs.11.56 Cr.

S.No.	Source of Loan for Working Capital	Amount (Rs.Cr)	Rate of interest (Cash Credit) (%)
1	Delhi Government		
2			
3			
4			
5	TOTAL		
6	Weighted Average Rate of Interest		

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# Form 10 – Yearly Detail of Operation & Maintenance expenses

Name of the Company : P.P.C.L.

Name of the Power Station : Pragati Power Station

S. No.	Details	Previous Year (2002-03)	Current Year (April to Oct.'03) Actual	Current Year (2003-04) Estimated	Ensuing Year (2004-05) Estimated
A	Breakup of O&M expenses				
1	Employee cost				
2	Repair and Maintenance				
3	Stores consumed				
4	Water Charges DJB & Elect.				
5	Communication expenses				
6	Traveling expenses				
7	Insurance				
	- Plant and Machinery				
	- Other				
8	Rent				
9	Security expenses CISF				
10	Professional expenses ASCI				
11	Printing and Stationery				
12	Corporate office expenses allocation (B9)				
13	Other expenses Maintenance Contract				
14	Total ( 1 to 13) 2.5% of Capital Cost of Rs.1077 Cr.	Rs.17.78 Cr.	Rs.15.71 Cr.	Rs.26.93Cr.	Rs.29.62 Cr.
	LESS: RECOVERED (IF ANY)			--	--
	Net Expenses		Rs.15.71 Cr.	Rs.26.93 Cr.	Rs.29.62 Cr.
	Abnormal O&M Expenses				
	<b>On account of water charges</b>		Rs.1.26 Cr.	Rs.2.16 Cr.	Rs.2.38 Cr.
	<b>On account of other factors</b>				
	Base O&M Expenses	Rs.17.78 Cr.	Rs.16.97Cr.	Rs.29.09 Cr.	Rs.32.00 Cr.
B	Corporate office expenses (aggregate)				
1	-Direct employee expense				
2	-Repair and maintenance				
3	-Training and Recruitment				
4	-Communication				
5	-Traveling				
6	-Security				
7	-Rent				
8	-Others				
9	Total	Rs.6.03 Cr.	Rs.4.04 Cr.		

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**Form 11 – Yearly Fixed Charges**

**Name of the Company : P.P.C.L.**

**Name of the Power Station : Pragati Power Station**

(Rs.Crore)

<b>S.No.</b>	<b>Details</b>	<b>Previous Year</b>	<b>Current Year (April.-Oct'03) Actual</b>	<b>Current Year (2003-04) Estimate</b>	<b>Ensuing Year (2004-05) Estimate</b>
1	Depreciation		48.07	85.10	88.74
2	Interest on Loan		49.09	83.65	79.16
3	Return on Equity		30.14	51.68	51.68
4	Advance against Depreciation		-	-	-
5	Interest on Working Capital		6.89	11.42	11.56
6	O&M Expenses		16.97	29.09	32.00
7	Total	<b>97.13</b>	<b>151.16</b>	<b>260.94</b>	<b>263.14</b>

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**Form 12 – Yearly Fuel Cost Details**

**Name of the Company : P.P.C.L.**

**Name of the Power Station : Pragati Power Station**

**2003-04(ESTIMATED)**

<b>S.No.</b>	<b>Fuel</b>	<b>Opening Stock</b>	<b>Receipt</b>	<b>Consumption</b>	<b>Closing Stock</b>
1	Coal				
2	Oil				
3	Naphtha				
4	Gas (Only Consumption)			484363636	

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**Form 13 – Yearly Variable Cost Calculation (Coal as fuel)**

**Name of the Company : P.P.C.L.**

**Name of the Power Station : Pragati Power Station**

<b>S.No.</b>	<b>Details</b>	<b>Station Total</b>
1	Unit Capacity	
2	Gross Generation	
3	Auxiliary Consumption	
4	Normative Auxiliary Consumption	
5	Net Generation (2-3)	
6	Coal consumption (MT)	
7	Cost per ton of coal (Rs)	
8	Weighted average GCV of coal (Kcal/Kg)	
9	Secondary oil consumption (KL)	
10	Cost of Secondary oil per KL (Rs)	<b>N.A.</b>
11	Calorific value of oil Kcal/KL	
12	Total Heat Input (6*8 + 9*11)	
13	Heat rate achieved in Kcal/Kwh (12/2)	
14	Approved heat rate in Kcal/Kwh	
15	Total cost of fuel (6*7 + 9*10)	
16	Variable cost in Rs/Kwh (15/5)	

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### Form 14 – Yearly Variable Cost Calculation (Gas as fuel)

**Name of the Company : P.P.C.L.**

**Name of the Power Station : Pragati Power Station**

S.No.	Details	Previous Year 2002-03	2003-04 (April.-Oct.03) Actual	2003-04 Estimated	Ensuring Year (2004-05)
1	No. of Unit (G.T.)	2 X 104	2 X 104 + 122	2 X 104 + 122	330
2	Unit Capacity (G.T.)	208	208	208	208
3	Unit Capacity (S.T.)		122	122	122
4	Gross Gen.of Module in Open Cycle	780			
5	Gross Gen. of Module in Comb. Cycle		1208	1998	1998
6	Auxiliary Cons. in Open Cycle	12			
7	Aux. Cons. in Comb. Cycle		36	60	60
8	Normative Aux. Cons. in Open. Cycle	1 %	1 %	1 %	1 %
9	Normative Aux. Cons. in Comb. Cycle	3 %	3 %	3 %	3 %
10	Net Gen. in Open Cycle (4-6)	768			
11	Net Gen. in Comb.Cycle (5-7)		1172	1938	1938
12	Gas consumption (SCM)	255052500	290968558	484363636	484363636
13	Rate of gas per unit (Rs./SCM)	4.31315	4.31315	4.31315	4.52881
14	Type of Liquid Fuel	-	-	--	-
15	Liquid Fuel cons. (KL)	-	-	--	-
16	Rate of Liquid Fuel per KL (Rs)	-	-	--	-
17	Variable cost of fuel (12*13 + 15*16) (Rs. CR.)	110.007	125.50	208.91	219.36
18	Fixed cost for fuel(Rs. Cr.)	1.87	1.23	1.93	1.99
19	Total cost of fuel (17 + 18) (Rs. CR.)	111.877	126.73	210.84	221.35
20	Variable cost in Rs/Kwh in Open Cycle (19/10)	1.46	-	-	
21	Variable cost in Rs/Kwh in Comb.Cycle (19/11)		1.08	1.09	1.14

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**Form 15 – Macro Economic Parameters**

**Name of the Company : P.P.C.L.**

**Name of the Power Station : Pragati Power Station**

**N.A.**

<b>S.No.</b>	<b>Details</b>	<b>Previous year</b>
1	Exchange rates with dollar	
2	Exchange rate with Euro	
3	Inflation	
4	Brent Crude oil Price	
5	PLR (SBI)	
6	Bank Rate	
7	Effective Corporate Tax	
8	Industrial Growth Rate	
9	Service sector growth rate	
10	Agriculture Growth Rate	
11	Delhi Population growth rate	
12	Dearness allowance rate	
13	Average electricity tariff	

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**Form 16 – Generation Tariff Calculation**

**Name of the Company : P.P.C.L.**

**Name of the Power Station : Pragati Power Station**

<b>S.No.</b>	<b>Details</b>	<b>Previous year (2002-03)</b>	<b>Current year (2003-04) (Apr. to Oct.) Actual</b>	<b>Current Year (2003-04) Estimated</b>	<b>Ensuing Year (2004-05) Estimated</b>
1	Gross Generation (MU)	780	1208	1998	1998
2	Auxiliary Consumption	12	36	60.00	60.00
3	Net Generation (MU)	768	1172	1938	1938
4	Per Unit Fixed Charges (Rs/Kwh)	1.26	1.29	1.35	1.36
5	Per Unit Variable cost (Rs/Kwh)	1.46	1.08	1.09	1.14
6	Generation Tariff (Rs/Kwh)	2.72	2.37	2.44	2.50

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