



Rakesh Sharma/LNTENC

11-09-2009 13:30

To Jitendra Kumar Paty/LNTENC@ENC

cc

bcc

Subject Fw: Model illustration sheet for tariff for 1320MW Rajpura Thermal Power Project

History: This message has been forwarded.

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Subject Model illustration sheet for tariff for 1320MW Rajpura Thermal Power Project

Sir,

Attached herewith please find Model illustration Sheet for tariff for your perusal please

Er. Mahesh Mittal



Director/NPL NPL-RFP-Model_Tariff-Illustration 11 September 2009.xls

Nabha Power limited

Important Dates and Time Factors

Bid Deadline	9-Oct-09	
Signing of RFP Project Documents	31-Dec-09	
Time to Assumed Date of Commissioning (RFP Clause 3.3.2.2)	48 months	
Assumed Date of Commissioning (Start of Contract Year 1)	31-Dec-13	
End of Contract Year 1	31-Mar-14	
Time Period of Contract Year 1	0.247 years	
Time Period from Bid Deadline to Assumed Date of Commissioning	4.230 years	
25th Anniversary of the Plant (End Date of Last Contract Year)	31-Dec-38	
Start Date of Last Contract Year	1-Apr-38	
Time Period of Last Contract Year	0.751 years	

- Quoted Tariff

Contract Year	Commencement Date of Contract Year	End Date of Contract Year	Quoted Non-Escalable Capacity Charges (Rs./kwh)	Quoted Escalable Capacity	Quoted Heat Rate (Kcal/kwh)
1	31-Dec-13	31-Mar-14			
2	1-Apr-14	31-Mar-15		Same as above	Same as above
3	1-Apr-15	31-Mar-16		Same as above	Same as above
4	1-Apr-16	31-Mar-17		Same as above	Same as above
5	1-Apr-17	31-Mar-18		Same as above	Same as above
6	1-Apr-18	31-Mar-19		Same as above	Same as above
7	1-Apr-19	31-Mar-20		Same as above	Same as above
8	1-Apr-20	31-Mar-21		Same as above	Same as above
9	1-Apr-21	31-Mar-22		Same as above	Same as above
10	1-Apr-22	31-Mar-23		Same as above	Same as above
11	1-Apr-23	31-Mar-24		Same as above	Same as above
12	1-Apr-24	31-Mar-25		Same as above	Same as above
13	1-Apr-25	31-Mar-26		Same as above	Same as above
14	1-Apr-26	31-Mar-27		Same as above	Same as above
15	1-Apr-27	31-Mar-28		Same as above	Same as above
16	1-Apr-28	31-Mar-29		Same as above	Same as above
17	1-Apr-29	31-Mar-30		Same as above	Same as above
18	1-Apr-30	31-Mar-31		Same as above	Same as above
19	1-Apr-31	31-Mar-32		Same as above	Same as above
20	1-Apr-32	31-Mar-33		Same as above	Same as above
21	1-Apr-33	31-Mar-34		Same as above	Same as above
22	1-Apr-34	31-Mar-35		Same as above	Same as above
23	1-Apr-35	31-Mar-36		Same as above	Same as above
24	1-Apr-36	31-Mar-37		Same as above	Same as above
25	1-Apr-37	31-Mar-38		Same as above	Same as above
26	1-Apr-38	25th anniversary of the Scheduled COD of first Unit		Same as above	Same as above

**Nabha Power Limited
- Levelised Tariff**

		Assumptions									
1	Annual escalation rate applicable to Quoted Escalable Capacity Charges	5.04%									
2	Annual escalation rate applicable to Energy Charges	6.12%									
3	Annual escalation rate applicable to fuel transportation charge	2.39%									
4	Gross Calorific value (Kcal/Kg)	4080									
5	Cost of coal per metric tonne (Rs/Tonne)	520									
6	Cost of coal transportation (Rs/Tonne)	1204									
7	Discount Rate for Levelised Tariff (%)	10.19%									

As per CERC Notification

As per CERC Notification

As per CERC Notification

As per CERC Notification

Contract Year Start Date	31-Dec-13	1-Apr-14	1-Apr-15	1-Apr-16	1-Apr-17	1-Apr-18	1-Apr-19	1-Apr-20	1-Apr-21	1-Apr-22	1-Apr-23	1-Apr-24	1-Apr-25	1-Apr-26	1-Apr-27	1-Apr-28	1-Apr-29	1-Apr-30	1-Apr-31	1-Apr-32	1-Apr-33	1-Apr-34	1-Apr-35	1-Apr-36	1-Apr-37	1-Apr-38	31-Dec-38
Contract Year End Date	31-Mar-14	31-Mar-15	31-Mar-16	31-Mar-17	31-Mar-18	31-Mar-19	31-Mar-20	31-Mar-21	31-Mar-22	31-Mar-23	31-Mar-24	31-Mar-25	31-Mar-26	31-Mar-27	31-Mar-28	31-Mar-29	31-Mar-30	31-Mar-31	31-Mar-32	31-Mar-33	31-Mar-34	31-Mar-35	31-Mar-36	31-Mar-37	31-Mar-38	31-Dec-38	
Contract Year ->	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	
Projected Escalation for Capacity Charge	1.000	1.037	1.090	1.145	1.202	1.263	1.327	1.393	1.464	1.537	1.615	1.696	1.782	1.872	1.966	2.065	2.169	2.278	2.393	2.514	2.640	2.774	2.913	3.060	3.214	3.356	
Projected Escalation for Coal Charge	1.295	1.344	1.426	1.513	1.606	1.704	1.809	1.919	2.037	2.162	2.294	2.434	2.583	2.741	2.909	3.087	3.276	3.476	3.689	3.915	4.155	4.409	4.679	4.965	5.269	5.550	
Quoted Non-Escalable Capacity Charges (Rs./Kwhr)	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
Quoted Escalable Capacity Charges (Rs./Kwhr)	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
Energy Charges - Coal - Calculated (Rs./Kwhr)	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
Energy Charges - Coal Transportation (Rs./Kwhr)	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
Tariff Calculation																											
Non-Escalable Capacity Charge (Rs./Kwhr)	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
Escalable Capacity Charges (Rs./Kwhr)	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
Escalable Energy Charges - Coal (Rs./Kwhr)	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
Escalable Energy Charges - Coal Transportation	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
Total Tariff (Rs./Kwhr)	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	
Discount Rate	0.998	0.930	0.844	0.766	0.695	0.631	0.573	0.520	0.472	0.428	0.388	0.352	0.320	0.290	0.263	0.239	0.217	0.197	0.179	0.162	0.147	0.134	0.121	0.110	0.100	0.092	
Levelised Tariff	0.0000																										

CHECK	Non-Escalable Capacity Charge and Escalable Capacity Charge, collectively	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000	0.000
Ratio of Minimum and Maximum Non-Escalable Capacity Charge and Escalable Capacity Charge, collectively, not to be less	#DIV/0!																									