

**CENTRAL ELECTRICITY REGULATORY COMMISSION  
NEW DELHI**

Coram: Dr. Pramod Deo, Chairperson  
Shri V.S.Verma, Member  
Shri M.Deena Dayalan, Member

Date of Order: 30.6.2011

**Petition No. 89/2009**

**IN THE MATTER OF**

Provisional transmission tariff for 220 kV Anta transmission system in Northern Region for the period from 1.4.2009 to 31.3.2014.

**Petition No. 108/2009**

**AND IN THE MATTER OF**

Provisional transmission tariff for transmission system associated with Auraiya Gas Power project in Northern Region for the period from 1.4.2009 to 31.3.2014.

**Petition No. 316/2010**

**AND IN THE MATTER OF**

Provisional transmission tariff for Singruli transmission system in Northern Region for the period from 1.4.2009 to 31.3.2014.

**Petition No. 326/2010**

**AND IN THE MATTER OF**

Provisional transmission tariff for Asset-I: HVDC portion and Asset-II: AC portion of Rihand transmission system in Northern Region for the period from 1.4.2009 to 31.3.2014.



**Petition No. 340/2010**

**AND IN THE MATTER OF**

Provisional transmission tariff for for Combined Asset-I (i) 400 kV D/C RAPP - Kankaroli transmission line along with associated bays (ii) 50 MVAR Bus Reactor along with associated bays at Kankaroli sub-station, and (iii) 400 kV S/C RAPP-Kota line along with 80 MVAR Bus Reactor and Combined Asset-II (i) 400/220 kV 315 MVA ICT-II along with associated bays and two no. 220 kV line bays at Kankaroli sub-station, and (ii) 400/220 kV 315 MVA ICT-I and ICT-II at Kota sub-station and ICT-III at Kankaroli sub-station along with associated bays at Kota and Kankaroli sub-station under Transmission System associated with RAPP 5 and 6 in Northern Region for tariff block 2009-14.

**Petition No. 16/2011**

**AND IN THE MATTER OF**

Provisional transmission tariff combined assets of 400 kV Nathpa-Jhakri transmission system in Northern Region for the tariff block 2009-14.

**Petition No. 79/2011**

**AND IN THE MATTER OF**

Provisional transmission tariff for Stage-I combined Assets : (a) 400 kV Meerut- Mandola Ckt-I along with associated bays at Meerut and Mandola Sub-Station ( b) 400 Kv Meerut-Mandola Ckt-II along with associated bays at Meerut and Mandola sub-station (c) ICT-II along with associated bays at Meerut sub-station (d) ICT-III along with associated bays at Meerut sub-station and Stage-II combined Assets: (a) ICT-I along with associated bays at Meerut sub- station (b) 800 kV Tehri -Meerut Ckt - I along with associated bays, (c) 800 kV Tehri -Meerut Ckt-II and 400 kV S/C with one no 400 kV and one no 220 kV bays.



## AND IN THE MATTER OF

Power Grid Corporation of India Limited, Gurgaon ..Petitioner

Vs

1. Rajasthan Rajya Vidyut Prasaran Nigam Limited, Jaipur
  2. Ajmer Vidyut Vitaran Nigam Ltd., Jaipur
  3. Jaipur Vidyut Vitaran Nigam Ltd, Jaipur
  4. Jodhpur Vidyut Vitaran Nigam Ltd, Jaipur
  5. Himachal Pradesh State Electricity Board, Shimla
  6. Punjab State Power Corporation Ltd., Patiala
  7. Haryana Power Purchase Centre, Panchkula
  8. Power Development Department, Govt. of J&K, Jammu
  9. Uttar Pradesh Power Corporation Ltd, Lucknow
  10. Delhi Transco Ltd, New Delhi
  11. BSES Yamuna Power Limited, New Delhi
  12. BSES Rajdhani Power Ltd., New Delhi
  13. North Delhi Power Ltd., New Delhi
  14. Chandigarh Administration, Chandigarh
  15. Uttarakhand Power Corporation Ltd, Dehradun
  16. North Central Railway, Allahabad
  17. New Delhi Municipal Council, New Delhi
- .....Respondents

### ORDER

In these petitions, the petitioner, Power Grid Corporation of India Ltd. has sought approval for tariff in respect of its various transmission systems in Northern Region for the period from 1.4.2009 to 31.3.2014, based on the Central Electricity Regulatory Commission (Terms and Conditions of Tariff) Regulations, 2009, as amended from time to time (hereinafter referred to as "the 2009 regulations").



2. Regulation 5 of the Central Electricity Regulatory Commission (Terms and Conditions of Tariff) (First Amendment) Regulations, 2011 provides as under:

*"(4) Where application for determination of tariff of an existing or a new project has been filed before the Commission in accordance with clauses (1) and (2) of this regulation, the Commission may consider in its discretion to grant provisional tariff upto 95% of the annual fixed cost of the project claimed in the application subject to adjustment as per proviso to clause (3) of this regulation after the final tariff order has been issued:*

*Provided that recovery of capacity charge and energy charge or transmission charge, as the case may be, in respect of the existing or new project for which provisional tariff has been granted shall be made in accordance with the relevant provisions of these regulations."*

3. In exercise of power under clause 4 of Regulation 5 of the 2009 regulations, we have decided to grant provisional tariff to the petitioner for its transmission assets mentioned in the cause title of this order pending determination of the final tariff. The details of tariff claimed by the petitioner and provisional tariff awarded by the Commission are given in the **Annexure I** to **Annexure VII** of this order.

4. The provisional transmission charges allowed in this order shall be subject to adjustment as per proviso to clause (3) of Regulation 5 of the 2009 regulations after the final tariff orders are issued.

Sd/-

**[M.DEENA DAYALAN]**  
**MEMBER**

sd/-

**[V.S.VERMA]**  
**MEMBER**

sd/-

**[DR.PRAMOD DEO]**  
**CHAIRPERSON**



**ANNEXURE-I**

**Petition No. 89/2009**

**Provisional transmission tariff for 220 kV Anta transmission system in Northern Region for the period from 1.4.2009 to 31.3.2014**

The annual transmission charges claimed by the petitioner for the period 2009-14 is as under:

**(₹ in lakh)**

	2009-10	2010-11	2011-12	2012-13	2013-14
Annual transmission charges claimed	933.13	949.50	967.38	985.76	1005.24

2. After prudence check, provisional annual transmission charges for the period 2009-14 in respect of the transmission assets are allowed as under:

**(₹ in lakh)**

	2009-10	2010-11	2011-12	2012-13	2013-14
Annual transmission charges allowed	886.47	902.03	919.01	936.47	954.98



## ANNEXURE-II

### Petition No. 108/2009

Provisional transmission tariff for transmission system associated with Auraiya Gas Power project in Northern Region for the period from 1.4.2009 to 31.3.2014.

The annual transmission charges claimed by the petitioner for the period 2009-14 is as under:

(₹ in lakh)

	2009-10	2010-11	2011-12	2012-13	2013-14
Annual transmission charges claimed	1653.87	1683.83	1731.41	1802.17	1858.17

2. After prudence check, provisional annual transmission charges for the period 2009-14 in respect of the transmission assets are allowed as under:

(₹ in lakh)

	2009-10	2010-11	2011-12	2012-13	2013-14
Annual transmission charges allowed	1405.79	1431.26	1471.70	1531.84	1579.44



**Petition No. 316/2010**

**Provisional transmission tariff for Singruli Transmission System in Northern Region for the period from 1.4.2009 to 31.3.2014.**

The annual transmission charges claimed by the petitioner for the period 2009-14 is as under:

**(₹ in lakh)**

	<b>2009-10</b>	<b>2010-11</b>	<b>2011-12</b>	<b>2012-13</b>	<b>2013-14</b>
<b>Annual transmission charges claimed</b>	4390.19	4499.92	4657.06	4929.62	5222.89

2. After prudence check, provisional annual transmission charges for the period 2009-14 in respect of the transmission assets are allowed as under:

**(₹ in lakh)**

	<b>2009-10</b>	<b>2010-11</b>	<b>2011-12</b>	<b>2012-13</b>	<b>2013-14</b>
<b>Annual transmission charges allowed</b>	3731.66	3824.93	3958.50	4190.18	4439.46

**Petition No.326/2010**

**Provisional transmission tariff for Rihand Transmission System in Northern Region for the period from 1.4.2009 to 31.3.2014.**

The annual transmission charges claimed by the petitioner for the period 2009-14 is as under:

**(₹ in lakh)**

		<b>2009-10</b>	<b>2010-11</b>	<b>2011-12</b>	<b>2012-13</b>	<b>2013-14</b>
<b>Annual transmission charges claimed</b>	<b>Asset-I</b> HVDC Portion of the Rihand Transmission System	8127.82	8259.16	8436.98	8642.95	9012.98
	<b>Asset-II</b> AC Portion of the Rihand Transmission System	9541.95	9676.41	9818.79	9967.99	10164.40

2. After prudence check, provisional annual transmission charges for the period 2009-14 in respect of the transmission assets are allowed as under:

**(₹ in lakh)**

		<b>2009-10</b>	<b>2010-11</b>	<b>2011-12</b>	<b>2012-13</b>	<b>2013-14</b>
<b>Annual transmission charges allowed</b>	<b>Asset-I</b> HVDC Portion of the Rihand Transmission System	6908.65	7020.29	7171.43	7346.51	7661.03
	<b>Asset-II</b> AC Portion of the Rihand Transmission System	8110.66	8224.95	8345.97	8472.79	8639.74



**Petition No. 340/2010**

Provisional transmission tariff for for Combined Asset-I (i) 400 kV D/C RAPP - Kankaroli transmission line along with associated bays (ii) 50 MVAR Bus Reactor along with associated bays at Kankroli sub-station, and (iii) 400 kV S/C RAPP-Kota line along with 80 MVAR Bus Reactor and Combined Asset-II (i) 400/220 kV 315 MVA ICT-II along with associated bays and two no. 220 kV line bays at Kankroli sub-station, and (ii) 400/220 kV 315 MVA ICT-I and ICT-II at Kota sub-station and ICT-III at Kankaroli sub-station along with associated bays at Kota and Kankaroli sub-station under Transmission System associated with RAPP 5 & 6 in Northern Region for tariff block 2009-14.

The annual transmission charges claimed by the petitioner for the period 2009-14 is as under:

(₹ in lakh)

		2009-10	2010-11	2011-12	2012-13	2013-14
<b>Annual transmission charges claimed</b>	<b>Combined elements</b> of (i) 400 kV D/C RAPP-Kankroli transmission line along with associated bays, (ii) 50 MVAR Bus Reactor along with associated bays at Kankroli sub-station and (iii) 400 kV RAPP_Kota line along with 80MVAR Bus reactor.	7295.68	7284.37	7132.60	6953.03	6774.94
	<b>Combined elements</b> of (i) 315 MVA ICT-II along with associated bays and 2 no 220 kV line bays at Kankroli sub-station, (ii) 315 MVA 400/220kV ICT-I along with associated bays and 2 no 220 kV line bays at Kankroli sub-station and (iii) 400kV/220kV 315 MVA ICT-I and ICT-II at Kota sub-station and ICT-III at Kankroli sub-station.	3501.17	3692.33	3817.19	3782.67	3751.06

2. After prudence check, provisional annual transmission charges for the period 2009-14 in respect of the transmission assets are allowed as under:

(₹ in lakh)

		2009-10	2010-11	2011-12	2012-13	2013-14
<b>Annual transmission charges allowed</b>	<b>Combined elements</b> of (i) 400 kV D/C RAPP-Kankroli transmission line along with associated bays, (ii) 50 MVAR Bus Reactor along with associated bays at Kankroli sub-station and (iii) 400 kV RAPP_Kota line along with 80MVAR Bus reactor.	6566.11	6555.93	6419.34	6257.73	6097.45
	<b>Combined elements</b> of (i) 315 MVA ICT-II along with associated bays and 2 no 220 kV line bays at Kankroli sub-station, (ii) 315 MVA 400/220kV ICT-I along with associated bays and 2 no 220 kV line bays at Kankroli sub-station and (iii) 400kV/220kV 315 MVA ICT-I and ICT-II at Kota sub-station and ICT-III at Kankroli sub-station.	3151.05	3323.10	3435.47	3404.40	3375.95



Petition No. 16/2011

Provisional transmission tariff combined assets of 400 kV Nathpa-Jhakri transmission system in Northern Region for the tariff block 2009-14.

The annual transmission charges claimed by the petitioner for the period 2009-14 is as under:

(₹ in lakh)

		2009-10	2010-11	2011-12	2012-13	2013-14
Annual transmission charges claimed	<b>Combined Assets-I</b> 315 MVA ICT-II at Malerkotla sub-station, 400 kV Hisar-Jaipur line with associated bays and 400 kV Bawana-Bhiwani-I and Bawana-Biwani-II lines with associated bays	2534.51	1721.59	1731.66	1744.99	1762.61
	<b>Combined Assets-II</b> (i) 400 kV Abbdullapur-Bawana and Nalagarh Hisar with associated bays, (ii) ICT-I at Nalagarh with associated bays (iii) ICT-II at Nalagarh with associated bays (iv) ICT-II at Jallandhar with associated bays (v) Bus Reactor at Nalagarh with associated bays (vi) ICT-I at Jaipur (Bassi) (vii) Two nos. LILO bays associated with ICT- Jaipur (viii) ICT-II with Jaipur (Bassi) with associated bay (ix) LILO of Chamera-Moga line and ICT-I at Jallandhar with associated bays (x) 220 kV Jallandhar Dasuya line	8481.62	8326.70	8179.66	8047.07	5168.19
	<b>Combined Assets-III</b> (i) Nathpa Jhakri Abdullapur, and (ii) Nathpa-Jhakri-Nalagarh	8810.60	8577.29	8348.26	8129.88	7944.02

2. After prudence check, provisional annual transmission charges for the period 2009-14 in respect of the transmission assets are allowed as under:

(₹ in lakh)

		2009-10	2010-11	2011-12	2012-13	2013-14
<b>Annual transmission charges claimed</b>	<b>Combined Assets-I</b> 315 MVA ICT-II at Malerkotla sub-station, 400 kV Hisar-Jaipur line with associated bays and 400 kV Bawana-Bhiwani-I and Bawana-Biwani-II lines with associated bays	2407.78	1635.51	1645.08	1657.74	1674.48
	<b>Combined Assets-II</b> (i) 400 kV Abbdullapur-Bawana and Nalagarh Hisar with associated bays, (ii) ICT-I at Nalagarh with associated bays (iii) ICT-II at Nalagarh with associated bays (iv) ICT-II at Jallandhar with associated bays (v) Bus Reactor at Nalagarh with associated bays (vi) ICT-I at Jaipur (Bassi) (vii) Two nos. LLO bays associated with ICT- Jaipur (viii) ICT-II with Jaipur (Bassi) with associated bay (ix) LLO of Chamera-Moga line and ICT-I at Jallandhar with associated bays (x) 220 kV Jallandhar Dasuya line	8057.54	7910.37	7770.68	7644.72	4909.78
	<b>Combined Assets-III</b> (i) Nathpa Jhakri Abdullapur, and (ii) Nathpa-Jhakri-Nalagarh	8370.07	8148.43	7930.85	7723.39	7546.82



Petition No. 79/2011

Provisional transmission tariff for Stage-I combined assets : (a) 400 kV Meerut- Mandola Ckt-I along with associated bays at Meerut and Mandola Sub-Station ( b) 400 Kv Meerut-Mandola Ckt-II along with associated bays at Meerut and Mandola sub-station (c) ICT-II along with associated bays at Meerut sub-station (d) ICT-III along with associated bays at Meerut sub-station and Stage-II combined Assets: (a) ICT-I along with associated bays at Meerut sub- station (b) 800 kV Tehri -Meerut Ckt - I along with associated bays, (c) 800 kV Tehri -Meerut Ckt-II and 400 kV S/C with one no 400 kV and one no 220 kV bays.

The annual transmission charges claimed by the petitioner for the period 2009-14 is as under:

(₹ in lakh)

		2009-10	2010-11	2011-12	2012-13	2013-14
Annual transmission charges claimed	<b>Stage I Combined Assets</b> consisting of (a) 400 kV Meerut - Mandola Ckt-I along with associated bays at Meerut and Mandola sub-stations (b) 400 kV Meerut - Mandola Ckt-II along with associated bays at Meerut and Mandola sub-station (c) ICT II along with associated bays at Meerut sub-station (d) ICT III along with associated bays at Meerut sub-station	1644.56	1637.80	1632.55	1629.10	1629.81
	<b>Stage II Combined Assets</b> consisting of (a) ICT-I along with associated bays at Meerut sub-station (b) 800 kV Tehri- Meerut Ckt-I along with associated bays (c) 800 kV Tehri - Meerut Ckt -II and 400 kV S/C Meerut - Muzaffarnagar transmission line (d) ICT at Muzaffarnagar along with one no 400 kV and one No. 220 kV bays	11668.71	11399.44	11138.18	10827.01	10521.43

2. After prudence check, provisional annual transmission charges for the period 2009-14 in respect of the transmission assets are allowed as under:

(₹ in lakh)

		2009-10	2010-11	2011-12	2012-13	2013-14
<b>Annual transmission charges allowed</b>	<b>Stage I Combined Assets</b> consisting of (a) 400 kV Meerut - Mandola Ckt-I along with associated bays at Meerut and Mandola sub-stations (b) 400 kV Meerut - Mandola Ckt-II along with associated bays at Meerut and Mandola sub-station (c) ICT II along with associated bays at Meerut sub-station (d) ICT III along with associated bays at Meerut sub-station	1562.33	1555.91	1550.92	1547.65	1548.32
	<b>Stage II Combined Assets</b> consisting of (a) ICT-I along with associated bays at Meerut sub-station (b) 800 kV Tehri-Meerut Ckt-I along with associated bays (c) 800 kV Tehri - Meerut Ckt -II and 400 kV S/C Meerut - Muzaffarnagar transmission line (d) ICT at Muzaffarnagar along with one no 400 kV and one No. 220 kV bays	10501.84	10259.50	10024.36	9744.31	9469.29

