

CENTRAL ELECTRICITY REGULATORY COMMISSION
3rd & 4th floor, Chanderlok Building, 36-Janpath,
New Delhi-110001

No. Engg/Tr.Pricing/Validation/L-1/44/2013/CERC

Dated: 12/12/2013

To

Members of the Validation Committee
& Generating Companies
(as per list enclosed)

Subject: Minutes of the 6th Meeting of Validation Committee for the year 2013 – 2014 (4th Quarter, Jan- March 2014) for implementation of CERC (Sharing of Inter-State Transmission Charges and Losses), 2010.

Sir,

Please find enclosed herewith the minutes of the 6th Meeting of the Validation Committee for the **year 2013-14 (Fourth Quarter Jan- March 2014)** for the implementation of CERC (Sharing of Inter-State Transmission Charges and Losses) Regulations 2010 held on 19th November 2013 in the NLDC Conference Room at New Delhi for information and necessary action.

Yours faithfully,

Sd/-
(Vijay Menghani)
Jt. Chief (Engg)

Encl. : As above

Copy to: Secretary, CERC

Validation Committee Members

Sl. No.	Name of the Organizations	Name of the nominated persons	Address
1.	CERC	Shri A K Saxena, Chief (Engg.)/alternate member Shri Vijay Menghani, Joint Chief (Engg.)	Central Electricity Regulatory Commission, 3 rd & 4 th Floor, Chanderlok Building, 36-Janpath, New Delhi -110001
2.		Shri P.K. Awasthi, Joint Chief (Fin.)	Central Electricity Regulatory Commission 3 rd & 4 th Floor, Chanderlok Building, 36-Janpath, New Delhi -110001
3.	CEA	Shri Ravinder Gupta Director, SP&PA Division	Central Electricity Authority 3 rd Floor, N-Wing Sewa Bhawan, R.K. Puram, New Delhi - 110 066
4.		Director, GM Division	Central Electricity Authority 6 th Floor, N-Wing Sewa Bhawan , R.K.Puram, New Delhi-110066
5.	CTU/ Powergrid	Shri N.K.Jain, GM (Comm.)/ alternate member Shri Prashant Sharma, GM (Comm.)	Power Grid Corporation of India Ltd Plot No. 2, Sector-29, Near IFFCO Chowk, Gurgaon-122001
6.		Shri Dilip Rozekar, DGM (SEF)/ alternate member Shri RVMM Rao, Chief. Design Engineer (SEF)	Power Grid Corporation of India Ltd Plot No. 2, Sector-29, Near IFFCO Chowk, Gurgaon-122001
7.	POSOCO	Shri P. Mukhopadhyay General Manager	Northern Regional Load Despatch Centre,et Singh Marg, Katwaria Sarai, New Delhi-110016
8.		Shri P.R. Raghuram, Executive Director	Southern Regional Load Despatch Centre 29, Race Course Cross Road, Bangalore, Karnataka-560009
9.		Shri V.K. Agarwal, Executive Director	National Load Despatch Centre 18-A Shaheed Jeet Singh, Marg,Katwaria Sarai, New Delhi-110016
10.		Shri U.K. Verma, General Manager	Eastern Regional Load Despatch Center 14, Golf Club Road, Tollygunge, Kolkata-700 033 (W.B.)
11.	NRPC	Shri P.K. Pahwa, Member Secretary	Northern Regional Power Committee 18-A Shaheed Jeet Singh Marg, Katwaria Sarai, New Delhi-11
12.	WRPC	Shri S.D. Taksande,	Western Regional Power Committee

		Member Secretary (I/C)	Plot No. F-3, MIDC Area, Marol, Opp : SEEPZ, Andheri (East), Mumbai-400093
13.	SRPC	Shri S.R. Bhat, Member Secretary(I/C)	Southern Regional Power Committee 29, Race Course Cross Road, Bangalore-560009, Karnataka
14.	ERPC	Shri A.K. Bandyopadhyay, Member Secretary (I/C)	Eastern Regional Power Committee 14, Golf Club Road, Tollygunge, Kolkata-700 033 (W.B.)
15.		Shri S.K.Das, Director Engineering	Bihar State Electricity Board 1 st Floor, Vidyut Bhawan, Bailey Road, Patna-21, Bihar
16.	NERPC	Shri S.K. Mahapatra Member Secretary (I/C)	North Eastern Regional Power Committee Meghalaya State Housing Finance Co-Operative Society Ltd.BLDG., Nongrim Hills, Shillong-793003
17.		Shri Jatin Baishya, Senior Manager	State Load Despatch Centre Complex,Kahelipara,Guwahati
18.	SLDC	Shri P.A.R. Bende Chief Engineer, SLDC	Chief Engineer Madhya Pradesh Power Transmission Company Ltd., Nayagaon,Rampur, Jabalpur- 482008
19.	KPTCL	S. Pratap Kumar Director(Transmission), KPTCL	Karnataka Power Transmission Corp.Ltd., Kauvery Bhavan, K.G. Road, Bangalore – 560009
20.	UPPTCL	Shri A.K. Singh, Director(Operation) Uttar Pradesh Power Transmission Corporation Ltd.	Uttar Pradesh Power Transmission Corporation Ltd , 7th Floor, Shakti Bhavan, Ashok Marg, Lucknow - 226001

LIST OF GENERATING COMPANIES

Sl. No.	Name of the Statutory Bodies	Name of the persons and Designation	Address
1.	NTPC	Shri Inderjit Kapoor, Director (Commercial)	NTPC Bhawan, Core 7, Scope Complex, Institutional Area, Load Road, New Delhi – 110003
2.	NHPC	Shri S.K. Agarwal, Executive Director (O&M)	NHPC office Complex, Sector-33, Faridabad – 121003 (Haryana)
3.	NEEPCO	Shri N.K. Chakraborty, Executive Director	Brookland Compound, Lower New Colony, Shillong - 793003
4.	NLC	Shri Sekar K, Director (Commercial)	No.135, Periyar E.V.R. High Road, Kilpauk, Chennai - 600 010. Tamil Nadu, India.
5.	SJVN	Shri Romesh Kapoor General Manager (C&SO)	SJVN Ltd, Sharma Niwas Below BCS, New Shimla – 171009.

Minutes of the 6th Meeting of the Validation Committee for the year 2013-14, (4th Quarter Jan- Mar 2013), held on 19th November, 2013 at NLDC, New Delhi.

1. The Chairman of the Validation Committee, Shri A.K. Saxena, Chief (Engineering), CERC welcomed the participants present in NLDC Conference Room and also the other participants of RPCs, RLDCs and STUs and Generating Companies present at the Conference Room of WRLDC, SRLDC, ERLDC,NERLDC and SLDC Delhi through video conferencing. List of the participants is enclosed at **Annexure-I**.
2. Chief (Engineering), CERC stated that the load generation balance data as submitted by stakeholders for the 4th Quarter of year 2013-14 was made available at NLDC as well as CERC Website. He requested the stakeholders to confirm the same and if there is any deviation, the same may be brought out and discussed during the meeting.
3. Chief (Engineering), CERC requested NLDC to report whether data from all the DICs, was available for Q-4 calculation and short comings, if any, may be reported. NLDC submitted that node wise has not been submitted by majority of the stakeholders. The status has given included in the NLDC's presentation copy attached at **Annexure-II**.
4. Joint Chief (Engineering), CERC stated that it has been requested time and again that RLDCs/RPCs shall endeavour to obtain data from DICs. Chief (Engg.) requested RLDCs and RPCs to personally pursue with the DICs by making telephone calls etc. and if they still do not submit required node wise network data, NLDC may formerly submit the status to the Commission. The Commission will issue necessary direction to the defaulting agency.
5. Joint Chief (Engineering), CERC proposed that from next meeting onwards NLDC may also present the comparison between the load generation balance considered during the previous quarter and the actual load and generation met during the same period.
6. Chief (Engg.), CERC requested NLDC to make a presentation.
7. The gist of presentation and discussion is given in the following paragraphs.

7.1 Demand Projection:

(1) Northern Region:

- i. Representative of DTL pointed out that the projected MU figures for the period Jan'13-Mar'13 as per the figures published on CEA website for Delhi seemed to be on lower side. It was suggested that the figures for the period Jan'13-Mar'13 may be considered as per the SEM Data as 5373 MU instead of 5160 MU and the projection of demand be carried out based on these figures. Validation Commission agreed with the suggestion.

(2) Eastern Region:

- i. ERLDC representative suggested that Bihar Demand may be considered as 1600 MW instead of the projected figure 1573 MW. The same was agreed.

(3) Western Region:

- i. Representative of SLDC Gujarat pointed that the projected demand for Gujarat i.e. 13,639 MW is on a higher side. It was decided that projected figure may be taken as 12000 MW instead of 13,639 MW on the basis of suggestion of SLDC, Gujarat.

(4) North Eastern Region: The demand projections submitted were in line.

(5) Southern Region:

- i. TANTRANSOCO representative suggested that the projected Demand in respect of Tamil Nadu may considered as 9,150 MW for Q4. The same was agreed.
- ii. Demand projections in respect of other were found to be correct.

7.2 Generation Projection:

(1) Northern Region:

- i. DTL representative mentioned that Bawana CCGT Block II is available for generation depending on the availability of gas supply. It was suggested that for the Q4 period, average generation of Bawana CCGT Block II may be considered as 100 MW.
- ii. NRLDC representative pointed out that, keeping in view the present low demand in respect of various beneficiaries, the projected generation for Jhajjar (888 MW) seemed to be on higher side. It was suggested that 600 MW may be considered as the projected Gross generation.
- iii. The above suggestions were agreed to by the Validation Committee.

(2) Western Region:

- i. With regard to anticipated generation addition, WRLDC representative suggested that generation of 102 MW Pipavav Generating station Unit 1 and 111 MW from UNO-Sugen Unit-1 may be considered as nil for Q4 period. It was also suggested that Gujarat's projected generation may be taken as 7500 MW instead of 7658 MW.
- ii. Representative of WRLDC suggested that that BALCO Unit-2 Generation of 193 MW may not be considered for Q4 period, as the same was not likely to get commissioned during this quarter. Similarly, generation to be considered from Ratnagiri-Dabhol was also not expected be there, due to non-availability of indigenous gas.
- iii. The above suggestions were agreed by the Validation Committee.

(3) Eastern Region:

- i. Representative of WRLDC suggested that as per their Letter dated 11/11/2013, anticipated generation for Odisha may be considered as 1850 MW instead of projected figure of 3470 MW. It was suggested that Odisha may recheck the values for Q4 period and confirm the same to the Implementing Agency. Subsequently, GRIDCO, vide letter 23.11.2013 has confirmed the figure of 1850 MW and given the following break-up:
 - o State Hydro: 500 MW
 - o TTPS and IbTPS: 750 MW
 - o IPPs (SEL & GMR): 550 MW
 - o Small hydro: 50 MW
- ii. ERLDC representative suggested that total generation for Bihar may be considered as 65 MW as against the projection of 18 MW, as the generation from generating units kanti was expected to be of the order of 50 MW.

(4) North Eastern Region:

- i. NERLDC representative suggested that for injection, a figure of 185 MW be considered for Assam, instead of the projected figure of 175 MW.

(5) Southern Region:

- i. TANTRANSOCO representative suggested that Tamil Nadu Wind generation may be considered as 350 MW for Q4 period.
- ii. SRLDC representative opined that due to low gas availability, a generation of 50 MW instead of 132 MW may be considered for LANCO Kondapalli.
- iii. Similarly, it was also suggested that for, Generation of Vallur may be considered as 600 MW, instead of 917 MW.
- iv. It was suggested that in view of Kudankulam Unit being under testing, 700 MW generation may be considered for Computation of PoC for Q4 period.

8. Other Issues

- a) NLDC intimated that Adani System was considered ISTS in third quarter and hence charges as approved by the Commission shall be applicable w.e.f 01/10/2013 under PoC regime. It was explained to NLDC that Commission's decision in the regard, which is yet to be issued, will be followed.
- b) With regard to the issue of consideration of new Transmission assets which had been considered during the computation of previous Application periods, but had not achieved commercial operation fill date, it was re-emphasized that such assets would not be

considered for PoC computation until the actual Commercial operation is achieved. Accordingly, it was proposed to exclude those transmission assets submitted by Reliance Power Transmission Ltd., which were considered for the PoC computation of previous Application periods have still have not been declared commercial for PoC Computation for Q4 period.

- c) In view of the expected commissioning of the Raichur-Sholapur 765kV S/C line being constructed by POWERGRID in December'13/January'14, it was decided that the YTC for the same would be included in the PoC computations for Q4 period of 2013-14. Though the line is expected to be commissioned, stable synchronous operation of the both grids may take some time. In view of above, NLDC opined that, during Q4 of 2013-14, the transmission charges for the asset would be shared amongst NEW Grid and SR Grid entities on a 50:50 basis, in line with the methodology followed for HVDC Gazuwaka and Bhadrawati. The same was agreed by the Validation Committee.
- d) Chief (Engineering), CERC informed that the Commission has decided to hold public hearing before allowing provisional tariff. Accordingly, he requested that the ISTS licensees to submit all the tariff petitions for Q1 of 2014-15 by end of January 2014. In this regard, the representative from POWERGRID brought to notice that in view of non-availability of Tariff norms for the period 2014-19, it would not be possible to file Petitions for assets for the upcoming Application period i.e. Q1 of 2014-15 by January 2014.
- e) The Timeline for Computation of PoC Charges for Q3 period was discussed. In order to fulfill the requirement of Public hearing, Joint Chief (Engineering) informed that the Hearings for the Petitions pertaining to the new assets would be scheduled in the first week of December after which the Provisional Tariff Orders would be notified and the Computations for PoC Charges and Losses may be carried out thereafter.

The meeting ended with the thanks to the Chair.

Annexure-I

List of Participants in the Sixth meeting of the Validation Committee on 19th November, 2013 at , New Delhi.

CERC

1. Shri A.K. Saxena, Chief (Engg.) – In Chair
2. Shri Vijay Menghani, Jt. Chief (Engg.)
3. Shri P.K. Awasthi, Jt. Chief (Fin.)
4. Shri Vikram Singh, Dy.Chief (Engg.)
5. Shri V. Sreenivas, Dy. Chief (Legal)
6. Sh. M.M. Chaudhary, Asstt. Chief (Fin.)

POWERGRID

7. Shri N.K. Jain GM (Comml.)
8. Shri Prashant Sharma GM (Comml.)
9. Shri V. Srinivas DGM (Comml.)
10. Shri R.V.M.M Rao, GM(CTU)

NLDC

11. Shri V.K. Agrawal, ED
12. Shri S.S Barpanda, DGM
13. S.R. Narasimhan, DGM
14. Shri N. Nallarasana, DGM
15. Shri Gaurav Verma, Engg.
16. Shri Kaushik Dey, Sr. Engg.
17. Shri Sanny Michal, Engg.
- 18.

NRLDC

19. Shri P. Mukhopadhyay, GM
20. Shri. Anusha Baruah, Engg.
21. Shri H.K. Chawla, DGM

NHPC

22. Shri S.K. Mishra, Manager (E).
23. Shri Rajesh Joshi, Dy.Manager (E).

WRLDC

24. Shri P.Pentayya, GM
25. Shri Pnshpa. S., GM
26. Shri Chitranksi, Sr. Engineer

WRPC

27. Shri S.D. Taksande, MS
28. M.M. Dhakate, SEO,
29. L.K.S. Rathore, DD

ERLDC

31. Shri U.K. Verma, GM
32. Shri D.K. Srivastava, AGM
33. Shri P.S. Das, Chief Manager

SLDC Delhi

34. Shri Venagopal, DGM (OS)
35. Shri Darshan Singh, DGM

SLDC Odisha

36. Shri P.K. Das (AGM)
37. Shri P. Muruganelanm AEE/Grid

SLDC, Madhya Pradesh

38. P.A.R. Bende, Chief (Engg.)

ERPC

39. Shri G. Rao, AEE

DVC, Kolkata

40. Shri S.Ganguly, SE

SPRC

41. Shri S.R. Bhat (MS incharge)
42. Shri Anil Thomas, EE/SPRC

SRLDC

43. Shri V.Balaji, DGM

44. Shri Madhukar.G, Sr. .Engr.

MSETCL

45. B.N. Khasale, EE

NRPC


46. Rajeev Kumar, EE

HVPL

47. Rakesh Garg, Xen


GRIDCO

48. S.K. Maharana, Dy. Manager



**Point of Connection Charges and Losses
Computation
January 2014 - March 2014 (Q4)**

**Meeting of the Validation Committee
Date : 19th November 2013
Venue: NLDC, New Delhi**



Contents



- PoC Computation for Q4 Case (Jan'14-Mar'14)
 - ▣ Demand & Generation Projection
 - ▣ New Generation
 - ▣ Points for Discussion

Demand Generation Projection



- Demand and Generation Projection
 - ▣ Based on Last 3 years data (January-March) from CEA website.
- New Generation
 - ▣ Expected DOCO by 31st December 2013
- Generation Projection
 - ▣ Increasing Trend : Last Year figures considered
 - ▣ In other cases : Average of last three years
 - ▣ Normative Auxiliary Consumption deducted
- Demand Projection
 - ▣ Based on FORECAST function of MS-Excel

Load Generation Projection



New Units	Plant Load Factor
Thermal Units with DOCO from 1st October to 31st December 2013	70%
Hydro Units with DOCO from 1st October to 31st December 2013	20%
Gas Units with DOCO from 1st October to 31st December 2013	30%

Demand and Generation

	Q3 (Oct-Dec'13)		Q4 (Jan-Mar'14)	
	Demand (MW)	Generation (MW)	Demand (MW)	Generation (MW)
NR	31343	31276	31055	29946
ER	12158	15864	12046	16130
WR	38043	39963	36180	41735
NER	1369	1438	1235	1230
NEW Grid	82913	88541	80516	89041
SR Grid	29143	29253	28569	29992

Demand Projection



- Northern Region
- Eastern Region
- Western Region
- North-Eastern Region
- Southern Region

Generation Projection (Including New Generation)

- Northern Region
- Eastern Region
- Western Region
- North-Eastern Region
- Southern Region

Data Collection for PoC Computation (Q4)

- Letter to DICs for Furnishing Technical & Commercial Data for Q4 (Jan'14-Mar'14) dated 4th October 2013
- Data Received from:
 - **MPPTCL**
 - **Haryana**
 - **DVC**
 - **DTL**
 - **Tamil Nadu**
 - **Assam**
 - **Meghalaya**
 - **Kerala**
 - **NTPC**
 - **NHPC**
 - **THDC India Ltd.**
 - **SJVN Ltd.**
 - **NLC**
 - **NAPS**
 - **TAPS**
 - **Essar Hazira**

Data Collection for PoC Computation (Q4)



□ Data not received from following State Utilities

□ **Himachal Pradesh**

□ **Uttar Pradesh**

□ **Punjab**

□ **Uttarakhand**

□ **Jammu & Kashmir**

□ **Gujarat**

□ **Chhattisgarh**

□ **Maharashtra**

□ **Andhra Pradesh**

□ **Karnataka**

□ **Bihar**

□ **Jharkhand**

West Bengal

Sikkim

Odisha

Manipur

Mizoram

Nagaland

Tripura

Arunachal Pradesh

YTC Data received from Transmission Licensees



- ▣ **Jindal Power Ltd.**
- ▣ **POWERLINKS**
- ▣ **Jaypee Powergrid Limited**
- ▣ **Reliance Power Transmission Limited**
- ▣ **East North Inter Connection Limited**
- ▣ **North East Transmission Company Limited**
- ▣ **Essar Power Transmission Company Limited**
- ▣ **Torrent power**
- **Yet to be received from**
 - ▣ **POWERGRID**

Status of Transmission Assets considered for Q3


Asset in the Petition	Anticipation of DOCO as per Q3 PoC	Present Status of DOCO	Remarks
400 kV Bassi - Jaipur Line	01.09.13 (P)	01.03.14	To be commissioned, ROW problems
ICT -II at Wanpoh with Bus Reactor	01.09.13 (P)	01.12.13	To be Commisioned
765 kV ICT-III at Raigarh Pooling Station (Kotra)	01.09.13(P)	01.01.14	To be commissioned
LILO of Banglore-Salem at Hossur	01.11.13(P)	01.01.14	To be commissioned.

Points for Discussion



□ NEW and SR Grid Synchronization

- Consideration of 765 S/C Raichur-Sholapur Line for computation of Q4 Case (Expected to be commercial by January 2014)
 - If considered as synchronized, PoC charges for entire country would have to be computed together
- Provisional tariff approval essential to avoid large adjustment in 3rd bill

- 
- ❑ As per the decision of the Validation Committee, Yearly Transmission Charges for following lines were not considered for Q3.

400 kV Parli-Pune D/C Line

400 kV Pune-Aurangabad D/C Line

LILO of 400 kV Lonikhand-Kalwa Circuit 2

One circuit of Silcher-Byrnihat D/C line

- ❑ Since these lines have not come yet hence not to be considered for Q4.



Thank You !!

Demand Projection – Northern Region



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Entity	Q3 (Oct-Dec'13) (MW)	Q4 (Jan-Mar'14) (MW)
Chandigarh	148	148
Delhi	2615	2362
Haryana	4389	4049
Himachal Pradesh	1047	1022
Jammu & Kashmir	1485	1510
Punjab	4007	4643
Rajasthan	7379	7319
Uttar Pradesh	9010	8759
Uttarakhand	1263	1244

Demand Projection – Eastern Region

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Entity	Q3 (Oct-Dec'13) (MW)	Q4 (Jan-Mar'14) (MW)
Bihar	1600	1573
DVC	2000	2030
Jharkhand	825	877
Odisha	2700	2700
West Bengal	4981	4825
Sikkim	52	42

Demand Projection – Western Region

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Entity	Q3 (Oct-Dec'13) (MW)	Q4 (Jan-Mar'14) (MW)
Chhattisgarh	2312	2478
Gujarat	12814	13639
Madhya Pradesh	8058	8090
Maharashtra	14000	13237
Daman & Diu	172	244
Dadra Nagar Haveli	451	555
Goa	358	407
ESIL Hazira	-	515

Demand Projection – North-Eastern Region

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Entity	Q3 (Oct-Dec'13) (MW)	Q4 (Jan-Mar'14) (MW)
Arunachal Pradesh	74	63
Assam	763	665
Manipur	75	58
Meghalaya	200	214
Mizoram	51	45
Nagaland	67	58
Tripura	139	133

Demand Projection – Southern Region



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Entity	Q3 (Oct-Dec'13) (MW)	Q4 (Jan-Mar'14) (MW)
Andhra Pradesh	9882	10064
Karnataka	7088	7189
Kerala	2470	2486
Tamil Nadu	9373	8559 (wind generation not included)
Pondicherry	250	272

Generation Projection – Northern Region

S. No.	Entity	Projections based on 3 Years Data (A)	Generation addition during Apr - Sep'13 (B)	Expected Generation 1st Oct'13-31st Dec'13 (C)	TOTAL D=A+B+C	Comments/Comments From DICs (if any)	Generation as per Comments
		(MW)	(MW)	(MW)	(MW)		(MW)
1	UP	4516	<u>1320</u>	-	5836	-	-
2	Delhi	1142	-	-	1142	-	-
3	Haryana	2162	-	-	2162	-	-
4	Uttarakhand	402	<u>6</u>	-	408	-	-
5	Punjab	2246	-	<u>174</u>	2420	-	-
6	Rajasthan	3385	<u>1334</u>	<u>47</u>	4766	-	-
7	Himachal Pradesh	150	-	-	150	-	-
8	Jammu & Kashmir	254	-	-	254	-	-
9	BBMB	1037	-	-	1037	-	-

Generation Projection – Northern Region ...(2)

S. No.	Entity	Projections based on 3 Years Data (A)	Generation addition during Apr-Sep'13 (B)	Expected Generation 1st Oct'13-31st Dec'13 (C)	TOTAL D=A+B+C (MW)	Comments/Comments From DICs (if any)	Generation as per Comments (MW)
		(MW)	(MW)	(MW)	(MW)		(MW)
12	Dadri Thermal	1482	-	-	1482	-	-
13	Rihand	1877	<u>327</u>	-	2205	-	-
14	Singrauli	1831	-	-	1831	-	-
15	Unchahar	906	-	-	906	-	-
16	Auraiya	363	-	-	363	-	-
17	Dadri CCPP	520	-	-	520	-	-
18	NAPS	243	-	-	243	-	-
19	Jhajjar	888	-	-	888	-	-
20	DHAULIGANGA	42	-	-	42	NHPC Letter dtd 05/11/13	0
21	Tanakpur	27	-	-	27	NHPC Letter dtd 05/11/13	10
22	Koteshwar	130	-	-	130	-	-
23	Tehri	339	-	-	339	-	-
24	Anta	266	-	-	266	-	-
25	RAAP A,B,C	951	-	-	951	-	-
26	AD Hydro	15	-	-	15	-	-
27	Everest	7	-	-	7	-	-

Generation Projection – Northern Region ...(3)

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S. No.	Entity	Projections based on 3 Years Data (A)	Generation addition during Apr-Sep'13 (B)	Expected Generation 1st Oct'13-31st Dec'13 (C)	TOTAL D=A+B+C	Comments/Comments From DICs (if any)	Generation as per Comments
		(MW)	(MW)	(MW)	(MW)		(MW)
28	Karcham Wangtoo	86	-	-	86	-	-
29	Bairasul	58	-	-	58	NHPC Letter dtd 05/11/13	50
30	Chamera 1	127	-	-	127	-	-
31	Chamera 2	70	-	-	70	-	-
32	Chamera 3	37	-	-	37	-	-
33	Naptha Jhakri	297	-	-	297	-	-
34	Lanco Budhil	0	-	-	0	-	-
35	DULHASTI	86	-	-	86	-	-
36	Salal	201	-	-	201	-	-
37	Sewa-II	64	-	-	64	-	-
38	URI I HPS	278	-	-	278	-	-
39	URI II HPS	-	-	48	48	-	-
40	Sree Cement	220	-	-	220	-	-
41	Parbati III	-	-	52	52	-	-

Generation Projection – Eastern Region...(1)

S. No.	Entity	Projections based on 3 Years Data (A)	Generation addition during Apr-Sep'13 (B)	Expected Generation 1st Oct'13-31st Dec'13 (C)	TOTAL D=A+B+C	Comments/ Comments From DICs (if any)	Generation as per Comments
		(MW)	(MW)	(MW)	(MW)		(MW)
42	West Bengal	3718	<u>28</u>	-	3746	-	-
43	Odisha	2880	-	<u>225</u>	3470	Letter dtd. 11/11/2013	1850
44	Bihar	18	-	-	18	-	-
45	Jharkhand	549	-	-	549	-	-
46	Sikkim	-	-	-	-	-	-
47	Chujachan	-	<u>22</u>	-	22	-	-
48	DVC	2981	<u>655</u>	-	3635	-	-
49	MPL	646	-	-	646	-	-
50	Sterlite	965	-	-	965	600 is ISGS Share; MoM 4th VC Meeing	600

Generation Projection – Eastern Region...(2)

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S. No.	Entity	Projections based on 3 Years Data (A)	Generation addition during Apr-Sep'13 (B)	Expected Generation 1st Oct'13-31st Dec'13 (C)	TOTAL D=A+B+C	Comments/Comments From DICs (if any)	Generation as per Comments
		(MW)	(MW)	(MW)	(MW)		(MW)
51	Teesta	111	-	-	111	NHPC Letter dtd 05/11/13	79
52	Kahalgaon	1644	-	-	1644	-	-
53	Farakka	1256	-	-	1256	-	-
54	Talcher	828	-	-	828	-	-
55	Rangeet	19	-	-	19	-	-
56	Corporate Power	-	-	-	0	-	-
57	Adhunik Power	-	<u>348</u>	-	348	-	-
58	Barh	-	-	<u>432</u>	432	-	-
59	Bhutan	92	-	-	92	-	-

Generation Projection – Western Region...(1)

S. No.	Entity	Projections based on 3 Years Data (A)	Generation addition during Apr-Sep'13 (B)	Expected Generation 1st Oct'13-31st Dec'13 (C)	TOTAL D=A+B+C	Comments/Comments From DICs (if any)	Generation as per Comments
		(MW)	(MW)	(MW)	(MW)		(MW)
60	MP	2693	<u>483</u>	<u>554</u>	3729	-	-
61	Maharashtra	8285	<u>1428</u>	<u>193</u>	9906	-	-
62	Chattisgarh	1544	<u>671</u>	<u>393</u>	2607	-	-
63	Gujarat	7118	<u>439</u>	<u>102</u>	7658	-	-
64	Goa	30	-	-	30	-	-
65	D&D	-	-	-	0	-	-
66	DNH	-	-	-	0	-	-
67	Vindhyachal	2973	<u>327</u>		3301	-	-
68	Ratnagiri Dabhol	808	-	-	808	Needs discussion in VC Meeting	-
69	TAPS (1,2,3,4)	1037	-	-	1037	-	-
70	JINDAL	894	-	-	894	-	-
71	LANCO	384	-	-	384	-	-
72	NSPCL Bhilai	431	-	-	431	-	-
73	Korba	2020	-	-	2020	-	-
74	SIPAT	1995	-	-	1995	-	-

Generation Projection – Western Region ... (2)

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S. No.	Entity	Projections based on 3 Years Data (A)	Generation addition during Apr-Sep'13 (B)	Expected Generation 1st Oct'13-31st Dec'13 (C)	TOTAL D=A+B+C	Comments/Comments From DICs (if any)	Generation as per Comments
		(MW)	(MW)	(MW)	(MW)		(MW)
75	CGPL	2578	<u>1047</u>	-	3626	-	-
76	Mauda	-	<u>327</u>	-	327	-	-
77	Gandhar	365	-	-	365	-	-
78	Kawas	354	-	-	354	-	-
79	KAPS	403	-	-	403	-	-
80	Essar Mahan	-	<u>393</u>	-	393	-	-
81	BALCO	-	-	<u>193</u>	193	-	-
82	KSK Mahanadi	-	<u>393</u>	-	393	-	-
83	Vandana Vidyut	-	-	<u>87</u>	87	-	-
84	Sasan UMPP	-	<u>432</u>	-	432	-	-
85	Tamnar TPP	-	-	<u>393</u>	393	-	-

Generation Projection – North-Eastern Region

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S. No.	Entity	Projections based on 3 Years Data (A)	Generation addition during Apr-Sep'13 (B)	Expected Generation 1st Oct'13-31st Dec'13 (C)	TOTAL D=A+B+C	Comments/Comments From DICs (if any)	Generation as per Comments
		(MW)	(MW)	(MW)	(MW)		(MW)
86	AGTPP, NEEPCO	75	-	-	75	-	-
87	Doyang, NEEPCO	7	-	-	7	-	-
88	Kopili, NEEPCO	52	-	-	52	-	-
89	Khandong, NEEPCO	4	-	-	4	-	-
90	Ranganadi, NEEPCO	47	-	-	47	-	-
91	Kathalguri	215	-	-	215	-	-
92	Loktak, NHPC	42	-	-	42	-	-
93	Palatana GBPP	-	-	<u>211</u>	211	-	-
94	Arunachal Pradesh	0	-	-	0	-	-
95	Assam	175	-	-	175	-	-
96	Manipur	0	-	-	0	-	-
97	Meghalaya	45	<u>37</u>	-	82	-	-
98	Nagaland	4	-	-	4	-	-
99	Tripura	101	-	-	101	-	-
100	Mizoram	4	-	-	4	-	-

Generation Projection – Southern Region...(1)

S. No.	Entity	Projections based on 3 Years Data (A)	Generation addition during Apr-Sep'13 (B)	Expected Generation 1st Oct'13-31st Dec'13 (C)	TOTAL D=A+B+C	Comments/ Comments From DICs (if any)	Generation as per Comments
		(MW)	(MW)	(MW)	(MW)		(MW)
101	Andhra Pradesh	7637	-	-	7637	-	-
102	Karnataka	4665 (excluding wind generation)	-	-	4665	Letter dtd. 16.11 .13	6510 (includes wind generation)
103	Kerala	936	-	-	936	-	-
104	Tamil Nadu	4153	-	785	4938	-	-
105	Pondy	26	-	-	26	-	-
106	Ramagundam	2352	-	-	2352	-	-
107	Simhadri	810	-	-	810	-	-
108	SEPL	216	-	-	216	-	-
109	Lanco Kondapalli	132	-	-	132	-	-

Generation Projection – Southern Region...(2)

S. No.	Entity	Projections based on 3 Years Data (A)	Generation addition during Apr-Sep'13 (B)	Expected Generation 1st Oct'13-31st Dec'13 (C)	TOTAL D=A+B+C	Comments/Comments From DICs (if any)	Generation as per Comments
		(MW)	(MW)	(MW)	(MW)		(MW)
109	Kaiga	548	-	-	548	-	-
110	NEYVELI (EXT) TPS	364	-	-	364	-	-
111	NEYVELI TPS-II	1262	-	-	1262	-	-
112	NEYVELI TPS-II EXP	0	-	-	0	-	-
113	MAPS	266	-	-	266	-	-
114	Vallur	262	<u>327</u>	<u>327</u>	917	-	-
115	Meenakhshi	-	<u>193</u>	-	193	-	-
116	Kudankulam	-	-	<u>910</u>	910	-	-
117	Import from Talcher	1656	-	-	1656	-	-

Expected Generation addition – Northern Region (1)

Generation from Apr'13 till 30th September'13						Expected Generation Likely to be declared Commercial from 1st October'2013 to 31st December'2013				
Entity	Bus Name	Unit No.	Installed Capacity	Gen. considered	Total	Bus Name	Unit No.	Installed Capacity	Gen. considered	Total
			(MW)	(MW)	(MW)			(MW)	(MW)	(MW)
UP	Harduaganj	8	250	161	1320					
	Harduaganj	9	250	161						
	Paricha	5	250	161						
	Paricha	6	250	161						
	Rosa-II TPS	1	300	193						
	Rosa-II TPS	2	300	193						
	Bajaj		450	290						
Uttarakhand	Bhilangana	1	8	2	6					
	Bhilangana	2	8	2						
	Bhilangana	3	8	2						
Punjab						Goindwal Sahib TPP	1	270	174	174
Rajasthan	Rajwest	5	135	87	1334	Ramgarh GT	1	160	47	47
	Rajwest	6	135	87						
	Rajwest	7	135	87						
	Rajwest	8	135	87						
	Chhabra-II	1	250	161						
	Kawai	2	660	432						
	Kalisindh	1	600	393						

Expected Generation addition – Northern Region...(2)

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Generation from Apr'13 till 30th September'13						Expected Generation Likely to be declared Commercial from 1st October'2013 to 31st December'2013				
Entity	Bus Name	Unit No.	Installed Capacity	Gen. considered	Total	Bus Name	Unit No.	Installed Capacity	Gen. considered	Total
			(MW)	(MW)	(MW)			(MW)	(MW)	(MW)
URI II HPS						Uri II	1	60	12	48
						Uri II	2	60	12	
						Uri II	3	60	12	
						Uri II	4	60	12	
Rihand	Rihand III	5	500	327	327					
Parbati III						Parbati III	1	130	26	52
						Parbati III	2	130	26	

Expected Generation addition – Eastern Region

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Generation from Apr'13 till 30th September'13						Expected Generation Likely to be declared Commercial from 1st October'2013 to 31st December'2013				
Entity	Bus Name	Unit No.	Installed Capacity	Gen. considered	Total	Bus Name	Unit No.	Installed Capacity	Gen. considered	Total
			(MW)	(MW)	(MW)			(MW)	(MW)	(MW)
West Bengal	TLDP III	1	33	7	28					
	TLDP III	2	33	7						
	TLDP III	3	33	7						
	TLDP III	4	33	7						
Odisha						Kamalanga TPP (GMR)	2	350	225	225
Chujachan	Chujachan	1	55	11	22					
	Chujachan	2	55	11						
DVC	DSTPS	2	500	327	655					
	KTPS	1	500	327						
Adhunik Power	Adhunik Power	1	270	174	348					
	Adhunik Power	2	270	174						
Barh						Barh STPP	4	660	432	432

Expected Generation addition – Western Region...(1)

		Generation from Apr'13 till 30th September'13				Expected Generation Likely to be declared Commercial from 1st October'2013 to 31st December'2013				
Entity	Bus Name	Unit No.	Installed Capacity	Gen. considered	Total	Bus Name	Unit No.	Installed Capacity	Gen. considered	Total
			(MW)	(MW)	(MW)			(MW)	(MW)	(MW)
MP	JP Bina Power TP	1	250	161	483	Satpura TPP Extn	11	250	161	554
	JP Bina Power TP	2	250	161		Malwa	1	600	393	
	Satpura TPP Extn.	10	250	161						
Maharashtra	Vidarbha Power Ltd.	2	300	193	1428	Dhariwal TPP	1	300	193	193
	Bela TPP	1	270	174						
	EMCO, Warora	1	300	193						
	Bhusawal II	2	500	327						
	India Bulls Amravati	1	270	174						
	Nasik(Sinner) (india-bulls)	1	270	174						
	EMCO Warora	2	300	193						
Chattisgarh	Swastik TPP	1	25	16	671	Baradarha TPP (DB Power Ltd.)	1	600	393	393
	Korba West Extn.	5	500	327						
	Marwa TPS	1	500	327						

Expected Generation addition – Western Region (2)

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		Generation from Apr'13 till 30th September'13				Expected Generation Likely to be declared Commercial from 1st October'2013 to 31st December'2013				
Entity	Bus Name	Unit No.	Installed Capacity	Gen. considered	Total	Bus Name	Unit No.	Installed Capacity	Gen. considered	Total
			(MW)	(MW)	(MW)			(MW)	(MW)	(MW)
Gujarat	UNO-Sugen	1	383	111	439	Pipavav	Block 1	351	102	102
	Ukai	6	500	327						
Vindhyachal	Vindhychal St-IV Unit I	1	500	327	327					
CGPL	Coastal Gujarat Power Ltd	4	800	524	1047					
	Coastal Gujarat Power Ltd	5	800	524						
Mauda	Mauda	1	500	327	327					
Essar Mahan	ESSAR Mahan	1	600	393	393					
BALCO						BALCO	2	300	193	193
KSK Mahanadi	KSK Mahanadi	3	600	393	393					
Vandana Vidyut						Vandana Vidyut TPP	1	135	87	87
Sasan UMPP	Sasan UMPP	3	660	432	432					
Tamnar TPP						Tamnar TPP	1	600	393	393

Expected Generation addition – Southern Region

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Generation from Apr'13 till 30th September'13						Expected Generation Likely to be declared Commercial from 1st October'2013 to 31st December'2013				
Entity	Bus Name	Unit No.	Installed Capacity	Gen. considered	Total	Bus Name	Unit No.	Installed Capacity	Gen. considered	Total
			(MW)	(MW)	(MW)			(MW)	(MW)	(MW)
Tamil Nadu						Mettur Stg III	1	600	393	785
						North Chennai Stg II	1	600	393	
Vallur	Vallur TPP Ph1	1	500	327	327	Vallur TPP Ph1	2	500	327	327
Meenakhshi	Meenakshi	1	150	97	193					
	Meenakshi	2	150	97						
Kudankulam						Kudankulam	1	1000	910	910

Expected Generation addition –North Eastern Region

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		Generation from Apr'13 till 30th September'13				Expected Generation Likely to be declared Commercial from 1st October'2013 to 31st December'2013				
Entity	Bus Name	Unit No.	Installed Capacity	Gen. considered	Total	Bus Name	Unit No.	Installed Capacity	Gen. considered	Total
			(MW)	(MW)	(MW)			(MW)	(MW)	(MW)
Palatana GBPP	Palatana GBPP					Palatana GBPP	1	363	211	211
Meghalaya	Leshka HPP	3	42	8	37					
	Meghalaya Power Limited	2	45	29						