

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

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

Dated: 10.05.2013

To

Members of the Validation Committee and Generating Companies.

(as per list enclosed)

Subject: 4th Meeting of Validation Committee for 2nd quarter of the year 2013 – 2014 (July - September 2013) for implementation of CERC Sharing of Inter-State Transmission Charges and Losses, 2010 – Meeting Notice.

Sir,

The 4th meeting of the Validation Committee to finalize the basic network data and Load Generation balance for the Second quarter of 2013-14(July -Sep 2013) will be held on 15th May, 2013 at 11:00 a.m. in NLDC Conference Room. All the members of the Validation Committee and Generating Companies are requested to attend the meeting through video conferencing from respective RLDCs.

RPCs and RLDCs are requested host this meeting notice on their web site due also to coordinate with the representatives of all State Transmission Utilities and Generating Companies to facilitate them to attend the meeting through video conferencing facility available at the RLDCs.

Load Generation balance data will be sent through e-Mail.

The meeting will be followed by lunch.

Encl: As above

-Sd-

(Vijay Menghani)
Jt. Chief (Engg)

Copy to: Secretary, CERC

PS: The data received from the stakeholders is enclosed herewith.

N:\SIGNED ORDER FOR WEBSITE\4th 15.5.2013\letter for meeting.docx

Validation Committee Members

Sl. No.	Name of the Organisations	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 V.V. Sharma, General Manager	Northern Regional Load Despatch Centre,et Singh Marg, Katwaria Sarai, New Delhi-110016
8.		Shri P.R. Raghuram, General Manager	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, Member Secretary (I/C)	Western Regional Power Committee Plot No. F-3, MIDC Area, Marol, Opp : SEEPZ, Andheri (East), Mumbai-400093
13.	SRPC	Shri S.R. Bhat, Member Secretary(I/C)	CEA, 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 T.T. Jha, Member (Transmission),	Bihar State Electricity Board 1 st Floor, Vidyut Bhawan, Bailey Road, Patna-21, Bihar
16.	NERPC	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.	SJVNL	Shri R.K. Agrarwal, General Manager (Commercial)	SJVN, IRCON Building, Ground Floor, Saket, New Delhi-110017

DEMAND FORECAST USING PAST 3 YEARS DATA (July 2013 - September 2013)

	Energy (MU)				Demand (MW)				Comments from the Constituents	Demand Considered	* Demand After Scaling (Considered in Basecase)
	1	2	3	4	1	2	3	4			
	July 2010- Sep2010	July 2011- Sep 2011	July 2012- Sep 2012	Projected Demand for (April 2013 to June 2013)	July 2010- Sep2010	July 2011- Sep 2011	July 2012- Sep 2012	Projected Demand for (July 2013 to Sep 2013)			
Chandigarh	418	465	499	542	191	212	228	247		247	247
Delhi	7,375	8,127	7,836	8,240	3,368	3,711	3,578	3,763		3,763	3,767
Haryana	9,112	10,825	11,018	12,224	4,161	4,943	5,031	5,582		5,582	5,671
Himachal Pradesh	1,845	1,980	2,281	2,471	842	904	1,042	1,128		1,128	1,132
Jammu & Kashmir	2,359	2,494	2,643	2,783	1,077	1,139	1,207	1,271		1,271	1,334
Punjab	13,511	14,944	15,863	17,125	6,169	6,824	7,243	7,819		7,819	7,921
Rajasthan	9,474	10,503	11,850	12,985	4,326	4,796	5,411	5,929		5,929	5,972
Uttar Pradesh	16,298	19,177	19,250	21,194	7,442	8,757	8,790	9,677		9,677	9,968
Uttarakhand	2,341	2,568	2,724	2,927	1,069	1,173	1,244	1,337		1,337	1,351
Northern Region	62,733	71,083	73,964	80,491	28,645	32,458	33,774	36,754		36,754	37,362
Chattisgarh	2,800	3,721	4,343	5,164	1,279	1,699	1,983	2,358		2,358	2,364
Gujarat	14,520	16,164	20,809	23,453	6,630	7,381	9,502	10,709		10,709	10,715
Madhya Pradesh	7,753	8,344	9,163	9,830	3,540	3,810	4,184	4,489		4,489	4,513
Maharashtra	23,941	26,445	29,704	32,460	10,932	12,075	13,563	14,822		14,822	14,892
Daman & Diu	507	507	484	476	232	232	221	218		218	222
Dadra Nagar Haveli	1,113	1,136	1,188	1,221	508	519	542	557		557	558
Goa	722	714	771	785	330	326	352	358		358	359
Western Region	51,356	57,031	66,462	73,389	23,450	26,042	30,348	33,511		33,511	33,623
Andhra Pradesh	18,735	21,216	19,359	20,394	8,555	9,688	8,840	9,312		9,312	9680
Karnataka	10,217	12,668	13,500	15,411	4,665	5,784	6,164	7,037	6877	6877	7065
Kerala	4,240	4,578	5,046	5,427	1,936	2,090	2,304	2,478		2,478	2488
Tamil Nadu	19,591	21,143	20,702	21,590	8,946	9,654	9,453	9,858		9,858	10096
Pondicherry	507	569	578	622	232	260	264	284		284	286
Southern Region	53,290	60,174	59,185	63,445	24,333	27,477	27,025	28,970		28,810	29,615
Bihar	2,922	3,061	3,275	3,439	1,334	1,398	1,495	1,570		1,570	1,610
DVC	3,835	3,949	4,148	4,290	1,751	1,803	1,894	1,959	2400	2400	2,419
Jharkhand	1,526	1,512	1,648	1,684	697	690	753	769	825	825	829
Odisha	5,844	5,886	6,577	6,835	2,668	2,688	3,003	3,121	2709	2709	2,729
West Bengal	9,824	10,336	11,354	12,035	4,486	4,720	5,184	5,495		5,495	5,504
Sikkim	70	85	99	114	32	39	45	52		52	52
Bhutan											0
Eastern Region	24,021	24,829	27,101	28,397	10,968	11,337	12,375	12,967		13,052	13,143
Arunachal Pradesh	113	144	152	175	52	66	69	80		80	81
Assam	1,459	1,630	1,724	1,869	666	744	787	854		854	863
Manipur	135	132	152	157	62	60	69	72		72	72
Meghalaya	369	404	391	410	168	184	179	187		187	190
Mizoram	72	85	96	108	33	39	44	49		49	50
Nagaland	143	150	144	147	65	68	66	67		67	68
Tripura	214	243	279	310	98	111	127	142		142	143
N. Eastern Region	2,505	2,788	2,938	3,177	1,144	1,273	1,342	1,451		1,451	1,465
All India	193,905	215,905	229,650	248,898	88,541	98,587	104,863	113,652		113,577	115,208

*

Estimated Loss for NEW and SR Grid has been considered as 2918 MW and 1098 MW. Based on the actual loss figures, Scaled Demand may change.
As decided in the 3rd Validation Committee Meeting:
Bhadrawati- 850 MW from WR to SR
Gajuwaka- 600 MW from ER to SR
Talcher-Kolar - 2000 MW from ER to SR

Notes

- Projections are based on the past monthly energy consumption data available on the website of CEA
- The above projections are being done for financial year 2013-2014 (Q2) i.e July 2013 to Sep 2013
- Projections are being done based on the forecast function available in MS Office Excel
- CEA Reports can be accessed from the following links:

http://cea.nic.in/archives/exec_summary/ul10.pdf

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http://cea.nic.in/reports/monthly/gm_div_rep/power_supply_position_rep/energy/Energy_2011_06.pdf

http://cea.nic.in/reports/monthly/gm_div_rep/power_supply_position_rep/energy/Energy_2012_06.pdf

http://www.cea.nic.in/archives/god/energy_supply/sep10.pdf

http://www.cea.nic.in/archives/god/energy_supply/sep11.pdf

http://www.cea.nic.in/reports/monthly/gm_div_rep/power_supply_position_rep/energy/Energy_2012_09.pdf

Generation Figures for Q2 case

				Generation After Sep'12 till 1st May'13					Expected Generation Likely to be declared Commercial by 30th June 2013								
Sl. No.	Entities	Region	Projections based on 3 Years Data	Bus Name	Unit No.	Installed Capacity	Gen. considered	Total	Bus Name	Unit No.	Installed Capacity	Gen. considered	Total	TOTAL	Comments From DICs (if any)	Figure as per Comments	Considered in the Basecase
			(MW)			(MW)	(MW)	(MW)			(MW)	(MW)	(MW)	(MW)		(MW)	(MW)
1	UP	NR	3992	Harduaganj	8	250	161	1320						5312			5312
				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										
2	Delhi	NR	1106											1106			1106
3	Haryana	NR	2203											2203			2500
4	Uttarakhand	NR	727						Bhilangana	1	8	5	80	807			807
				Bhilangana	2	8	5										
				Bhilangana	3	8	5										
				Shravanti (Gas Plant)	1	75	22										
				Shravanti (Gas Plant)	2	75	22										
				Shravanti (Gas Plant)	3	75	22										
5	Punjab	NR	2566											2566			2566
6	Rajasthan	NR	2817	Rajwest	5	135	87	728	Rajwest	7	135	87	381	3926			3926
				Rajwest	6	135	87										
				Chhabra-II	1	250	161										
				Kalisindh * (Generation Considered in H2 but uncertainty in commissioning)	1	600	393										
				Chhabra St.1 Ph.2	4	250	161										
				Ramgarh GT	1	160	47										
7	Himachal Pradesh	NR	701											701			701
8	Jammu & Kashmir	NR	582	Nimmo Bazgo	1	15	9	27						609			609
				Nimmo Bazgo	2	15	9										
				Nimmo Bazgo	3	15	9										
9	BBMB	NR	1799											1799			1799
10	Chandigarh	NR	0											0			
11	Railways	NR	0											0			
12	Dadri Thermal	NR	1314											1314			1314
13	Rihand	NR	1546	Rihand III	5	500	327	327						1873			1873
14	Singrauli	NR	1601											1601			1601
15	Unchahar	NR	830											830			830
16	Auraiya	NR	403											403			403
17	Dadri CCPP	NR	526											526			526
18	NAPS	NR	264											264			264
19	Jhajjar	NR	873	Jhajjar	3	500	327	327						1200			1200
20	DHAULIGANGA	NR	260											260			260

Generation Figures for Q2 case

				Generation After Sep'12 till 1st May'13					Expected Generation Likely to be declared Commercial by 30th June 2013								
Sl. No.	Entities	Region	Projections based on 3 Years Data	Bus Name	Unit No.	Installed Capacity	Gen. considered	Total	Bus Name	Unit No.	Installed Capacity	Gen. considered	Total	TOTAL	Comments From DICs (if any)	Figure as per Comments	Considered in the Basecase
			(MW)			(MW)	(MW)	(MW)			(MW)	(MW)	(MW)	(MW)		(MW)	(MW)
21	Tanakpur	NR	87											87			87
22	Koteshwar	NR	187											187			187
23	Tehri	NR	659											659			659
24	Anta	NR	286											286			286
25	RAAP A,B,C	NR	799											799			799
26	AD Hydro	NR	171											171			171
27	Everest	NR	88											88			88
28	Karcham Wangtoo	NR	969											969			969
29	Bairasul	NR	112											112			112
30	Chamera 1	NR	500											500			500
31	Chamera 2	NR	271											271			271
32	Chamera 3	NR	207											207			207
33	Naptha Jhakri	NR	1352											1352			1352
34	Lanco Budhil	NR	48											48			48
35	DULHASTI	NR	352											352			352
36	Salal	NR	606											606			606
37	Sewa-II	NR	74											74			74
38	URI 1 HPS	NR	404											404			404
39	URI II HPS	NR															0
40	Sree Cement	NR	220											220			220
41	Parbati III	NR		Parbati-III	1	130	77	77						77			77
42	West Bengal	ER	3507	TLDP III	1	33	20	78						3585			3585
				TLDP III	2	33	20										
				TLDP III	3	33	20										
				TLDP III	4	33	20										
43	Odisha	ER	1419	Navbharat Ventures		64	41	41						1460		2005	2005
44	Bihar	ER	28											28			28
45	Jharkhand	ER	358											358			358
46	Sikkim	ER	0						Chujachan	1	55	33	66	66			66
								Chujachan	2	55	33						
47	DVC	ER	2543	Koderma TPP	1	500	327	655						3198			3198
				DSTPS	2	500	327										
48	MPL	ER	562											562			562
49	Sterlite	ER	928											928		600	600

Generation Figures for Q2 case

				Generation After Sep'12 till 1st May'13					Expected Generation Likely to be declared Commercial by 30th June 2013								
Sl. No.	Entities	Region	Projections based on 3 Years Data	Bus Name	Unit No.	Installed Capacity	Gen. considered	Total	Bus Name	Unit No.	Installed Capacity	Gen. considered	Total	TOTAL	Comments From DICs (if any)	Figure as per Comments	Considered in the Basecase
			(MW)			(MW)	(MW)	(MW)			(MW)	(MW)	(MW)	(MW)		(MW)	(MW)
50	Teesta	ER	454											454			454
51	Kahalgaon	ER	1307											1307			1307
52	Farakka	ER	1060											1060			1060
53	Talcher	ER	636											636			636
54	Rangeet	ER	59											59			59
55	Corporate Power	ER												0			0
56	Adhunik Power	ER		Adhunik Power	1	270	174	174	Adhunik Power	2	270	174	174	348			348
57	GMR* (Being considered in Odisha Control Area)	ER		GMR	1	350	225	225						225			225
58	Bhutan	ER	1356											1356			1356
59	MP	WR	2280	JP Bina Power TP	1	250	161	322	Satpura TPP Extn.	10	250	161	583	3185			3185
						BLA power	1		45	29							
				JP Bina Power TP	2	250	161		Malwa	1	600	393					
60	Maharashtra	WR	7203	Vidarbha Power Ltd.	1	300	193	1320	Adani Power Maharashtra Ltd.-Tiroda	1	660	432	973	9496			9496
				Adani Power Maharashtra Ltd.-Tiroda	2	660	432										
				Bela TPP	1	270	174		India Bulls Amravati	1	270	174					
				EMCO, Warora TPP Ph I & II	1	300	193		Nasik(Sinner) (india-bulls)	1	270	174					
				Bhusawal II	2	500	327		EMCO Warora	2	300	193					
61	Chattisgarh	WR	1345						Swastik TPP	1	25	16	671	2015			2015
									Korba West Extn.	5	500	327					
									Marwa TPS	1	500	327					
62	Gujarat	WR	7082	UNO-Sugen	1	382.5	111	591						7674			7674
				Pipavav-CCPP	1	350	102										
				Ukai	6	500	327										
				Pipavav-CCPP	2	351	51										
63	Goa	WR	31											31			31
64	D&D	WR	0											0			0
65	DNH	WR	0											0			0
66	Vindhychal	WR	2443	Vindhychal St-IV Unit I	1	500	327	327						2771			2771
67	Ratnagiri Dabhol	WR	1081											1081	350		350
68	TAPS (1,2,3,4)	WR	1009											1009			1009
69	JINDAL	WR	816											816			816
70	LANCO	WR	360											360			360
71	NSPCL Bhilai	WR	364											364			364

Generation Figures for Q2 case

Generation Figures for Q2 case																	
				Generation After Sep'12 till 1st May'13					Expected Generation Likely to be declared Commercial by 30th June 2013								
Sl. No.	Entities	Region	Projections based on 3 Years Data	Bus Name	Unit No.	Installed Capacity	Gen. considered	Total	Bus Name	Unit No.	Installed Capacity	Gen. considered	Total	TOTAL	Comments From DICs (if any)	Figure as per Comments	Considered in the Basecase
			(MW)			(MW)	(MW)	(MW)			(MW)	(MW)	(MW)	(MW)		(MW)	(MW)
72	Korba	WR	2043											2043			2043

Generation Figures for Q2 case

				Generation After Sep'12 till 1st May'13					Expected Generation Likely to be declared Commercial by 30th June 2013								
Sl. No.	Entities	Region	Projections based on 3 Years Data	Bus Name	Unit No.	Installed Capacity	Gen. considered	Total	Bus Name	Unit No.	Installed Capacity	Gen. considered	Total	TOTAL	Comments From DICs (if any)	Figure as per Comments	Considered in the Basecase
			(MW)			(MW)	(MW)	(MW)			(MW)	(MW)	(MW)	(MW)		(MW)	(MW)
73	SIPAT	WR	2080											2080			2080
74	CGPL	WR	657	Coastal Gujarat Power Ltd	2	800	524	2094						2752			2752
				Coastal Gujarat Power Ltd	3	800	524										
				Coastal Gujarat Power Ltd	4	800	524										
				Coastal Gujarat Power Ltd	5	800	524										
75	Mauda	WR		Mauda	1	500	327	327						327			327
76	Gandhar	WR	415											415			415
77	Kawas	WR	376											376			376
78	KAPS	WR	350											350			350
79	Essar Mahan	WR		ESSAR Mahan	1	600	393	393						393			393
80	BALCO	WR		BALCO	1	300	193	193	BALCO	2	300	193	193	386			386
81	KSK Mahanadi	WR		KSK Mahanadi	1	600	393	393						393			393
82	Vandana Vidyut	WR		Vandana Vidyut TPP-Chattisgarh	1	135	87	87						87			87
83	Sasan UMPP	WR		Sasan UMPP	3	660	432	432						432			432
84	AGTPP, NEEPCO	NER	70											70			70
85	Doyang, NEEPCO	NER	65											65			65
86	Kopili, NEEPCO	NER	153											153			153
87	Khandong, NEEPCO	NER	40											40			40
88	Ranganadi, NEEPCO	NER	256											256			256
89	Kathalguri	NER	185											185			185
90	Loktak, NHPC	NER	91											91			91
91	Palatana GBPP	NER		Palatana GBPP	1	363	106	106						106		360	360
92	Arunachal Pradesh	NER	0											0			0
93	Assam	NER	222											222			222
94	Manipur	NER	0											0			0
95	Meghalaya	NER	82	Leshka HPP	3	42	25	25	Meghalaya Power Limited	2	45	29	29	136			136
96	Nagaland	NER	21											21			21
97	Tripura	NER	77											77			77
98	Mizoram	NER	6											6			6

Generation Figures for Q2 case

				Generation After Sep'12 till 1st May'13					Expected Generation Likely to be declared Commercial by 30th June 2013								
Sl. No.	Entities	Region	Projections based on 3 Years Data	Bus Name	Unit No.	Installed Capacity	Gen. considered	Total	Bus Name	Unit No.	Installed Capacity	Gen. considered	Total	TOTAL	Comments From DICs (if any)	Figure as per Comments	Considered in the Basecase
			(MW)			(MW)	(MW)	(MW)			(MW)	(MW)	(MW)	(MW)		(MW)	(MW)
99	Andhra Pradesh	SR	6902											6902			6902
100	Karnataka	SR	3346	Bellary	2	500	327	720						4066		5730	5730
				Udupi Power Corporation Limited.	2	600	393										
101	Kerala	SR	884											884			884
102	Tamil Nadu	SR	6620	Mettur Stg III	1	600	393	785						7405			7405
				North Chennai		600	393										
103	Pondy	SR	26											26			26
104	Ramagundam	SR	2138											2138			2138
105	Simhadri	SR	549	Simhadri Stg II	4	500	327	327						876			876
106	SEPL	SR	214											214			214
107	Lanco Kondapalli	SR	214											214		98	98
108	Kaiga	SR	530											530			530
109	NEYVELI (EXT) TPS	SR	378											378			378
110	NEYVELI TPS-II	SR	1049											1049			1049
111	NEYVELI TPS-II EXP	SR	0											0			0
112	MAPS	SR	292											292			292
113	Vallur	SR		Vallur (ISGS)	1	500	327	327	Vallur TPP Ph1	2	500	327	327	655			655
114	Meenakhshi	SR		Meenakhshi	1	150	97	97						193			193
				Meenakhshi	2	150	97	97									
115	Kudankulam	SR		Kudankulam* (Generation considered in H2(2012-13), However it has not come yet	1	1000	910	910						910		0	0
116	Import from Talcher	SR	1272											1272		2000	2000
	TOTAL		101329					13853					3477	118659			120063