

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

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

Dated: 26.04.2013

To

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

Subject: 3rd 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

Sir,

The 3rd meeting of the Validation Committee to validate the basic network data and Load Generation balance for the Second quarter of 2013-14(July -Sep 2013) will be held on 30th April, 2013 at 10:30 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 may 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 is also enclosed in Zip file. Undersign may be contacted in case of any difficulty in extracting data. RPCs may please forward this email to all utilities to ensure maximum participation .

The meeting will be followed by lunch.

Encl: As above

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

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

Notes

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

http://cea.nic.in/archives/exec_summary/jul10.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 FORECAST USING PAST 3 YEARS DATA (Jul 13 to Sep 13)

Sl. No	Region	Energy (MU)			Generation (MW)			Projected Generation Figure for Jul 2013- Sep 2013 (MW)	Remarks	Normative Auxillary Consumption (%)	Proposed Generation after considering Normative Auxilliary Consumption for Jul 2013- Sep 2013 (MW)	
		Jul 2010-Sep 2010 (MU)	Jul 2011-Sep 2011 (MU)	Jul 2012-Sep 2012 (MU)	Jul 2010-Sep 2010 (MW)	Jul 2011-Sep 2011 (MW)	Jul 2012-Sep 2012 (MW)					
1	UP	NR	7110	7194	9435	3247	3285	4308	4308	Last Year Figure	7.34	3992
2	Delhi	NR	2053	2401	2560	937	1097	1169	1169	Last Year Figure	5.39	1106
3	Haryana	NR	4470	5925	5201	2041	2705	2375	2374	Average of Last 3 years	7.20	2203
4	Uttarakhand	NR	1492	1778	1555	681	812	710	734	Average of Last 3 years	1.00	727
5	Punjab	NR	5816	6327	5938	2655	2889	2711	2752	Average of Last 3 years	6.77	2566
6	Rajasthan	NR	5118	6164	6687	2337	2815	3053	3053	Last Year Figure	7.74	2817
7	Himachal Pradesh	NR	1625	1576	1452	742	720	663	708	Average of Last 3 years	1.00	701
8	Jammu & Kashmir	NR	1225	1284	1287	559	586	588	588	Last Year Figure	1.00	582
9	BBMB	NR	3978	4380	3579	1816	2000	1634	1817	Average of Last 3 years	1.00	1799
10	Chandigarh	NR	0	0	0	0	0	0				
11	Railways	NR	0	0	0	0	0	0				
12	Dadri Thermal	NR	2841	3378	3076	1297	1543	1405	1415	Average of Last 3 years	7.15	1314
13	Rihand	NR	3875	3710	3393	1770	1694	1549	1671	Average of Last 3 years	7.50	1546
14	Singrauli	NR	3807	3605	3928	1738	1646	1793	1726	Average of Last 3 years	7.25	1601
15	Unchahar	NR	2046	1987	1959	934	907	895	912	Average of Last 3 years	9.00	830
16	Auraiya	NR	1010	1014	703	461	463	321	415	Average of Last 3 years	3.00	403
17	Dadri CCPP	NR	1184	1205	1173	540	550	535	542	Average of Last 3 years	3.00	526
18	NAPS	NR	307	463	656	140	211	299	299	Last Year Figure	11.75	264
19	Jhajjar	NR	0	575	1162	0	263	531	531	Last Year Figure	6.00	873
20	DHAULIGANGA	NR	519	563	576	237	257	263	263	Last Year Figure	1.20	260
21	Tanakpur	NR	185	196	194	84	90	88	87	Average of Last 3 years	1.00	87
22	Koteshwar	NR	0	136	414	0	62	189	189	Last Year Figure	1.00	187
23	Tehri	NR	1428	1758	1195	652	803	545	667	Average of Last 3 years	1.20	659
24	Anta	NR	675	688	577	308	314	263	295	Average of Last 3 years	3.00	286
25	RAAP A,B,C	NR	1593	2180	2175	727	996	993	905	Average of Last 3 years	11.75	799
26	AD Hydro	NR	64	273	377	29	125	172	172	Last Year Figure	1.00	171
27	Everest	NR	0	73	196	0	33	89	89	Last Year Figure	1.00	88

28	Karcham Wangtoo	NR	0	1280	2143	0	584	979	979	Last Year Figure	1.00	969
29	Bairasul	NR	274	226	243	125	103	111	113	Average of Last 3 years	0.70	112
30	Chamera 1	NR	1107	1131	1087	506	517	496	506	Average of Last 3 years	1.20	500
31	Chamera 2	NR	572	621	609	261	284	278	274	Average of Last 3 years	1.20	271
32	Chamera 3	NR	0	0	458	0	0	209	209	Last Year Figure	1.20	207
33	Naptha Jhakri	NR	2606	3226	3159	1190	1473	1442	1368	Average of Last 3 years	1.20	1352
34	Lanco Budhil	NR	0	0	106	0	0	48	48	Last Year Figure	1.00	48
35	DULHASTI	NR	758	798	784	346	365	358	356	Average of Last 3 years	1.20	352
36	Salal	NR	1209	1271	1340	552	580	612	612	Last Year Figure	1.00	606
37	Sewa-II	NR	201	170	118	92	78	54	75	Average of Last 3 years	1.00	74
38	URI 1 HPS	NR	985	773	926	450	353	423	408	Average of Last 3 years	1.20	404
39	Sree Cement	NR	0	0	0				240	Not monitored by CEA; 80% PLF	8.50	220
40	West Bengal	ER	8240	8210	8544	3763	3749	3901	3804	Average of Last 3 years	7.82	3507
41	Odisha	ER	10348	10386	9340	4725	4743	4265	4578	Average of Last 3 years	6.37	4286
42	Bihar	ER	86	115	0	39	53	0	31	Average of Last 3 years	8.00	28
43	Jharkhand	ER	944	686	929	431	313	424	389	Average of Last 3 years	8.00	358
44	Sikkim	ER	0	0	0	0	0	0			1.00	0
45	DVC	ER	4013	4665	6052	1832	2130	2764	2764	Last Year Figure	7.98	2543
46	MPL	ER	0	118	1316	0	54	601	601	Last Year Figure	6.50	562
47	Sterlite	ER	0	1444	2174	0	659	993	993	Last Year Figure	6.50	928
48	Teesta	ER	1054	1000	967	481	457	442	460	Average of Last 3 years	1.20	454
49	Kahalgaon	ER	3156	2967	3149	1441	1355	1438	1411	Average of Last 3 years	7.40	1307
50	Farakka	ER	2814	2349	2321	1285	1073	1060	1139	Average of Last 3 years	6.94	1060
51	Talcher	ER	1611	1489	1368	736	680	625	680	Average of Last 3 years	6.50	636
52	Rangeet	ER	128	133	128	58	61	58	59	Average of Last 3 years	1.00	59
53	Bhutan	ER	3084	2961	2952	1408	1352	1348	1369	Average of Last 3 years	1.00	1356
54	MP	WR	4300	6068	5679	1963	2771	2593	2442	Average of Last 3 years	6.64	2280
55	Maharashtra	WR	13150	15079	16981	6005	6885	7754	7754	Last Year Figure	7.10	7203
56	Chattisgarh	WR	3271	2820	3501	1494	1288	1599	1460	Average of Last 3 years	7.90	1345
57	Gujarat	WR	14650	16327	16643	6690	7455	7600	7600	Last Year Figure	6.81	7082
58	Goa	WR	69	71	68	31	32	31	32	Average of Last 3 years	3.00	31

59	D&D	WR	0	0	0							
60	DNH	WR	0	0	0							
61	Vindhyachal	WR	6351	5580	5416	2900	2548	2473	2640	Average of Last 3 years	7.47	2443
62	Ratnagiri Dabhol	WR	2579	3216	1524	1178	1469	696	1114	Average of Last 3 years	3.00	1081
63	TAPS (1,2,3,4)	WR	2140	2715	2428	977	1240	1109	1108	Average of Last 3 years	9.00	1009
64	JINDAL	WR	1972	2043	1878	900	933	857	897	Average of Last 3 years	9.00	816
65	LANCO	WR	964	901	735	440	411	336	396	Average of Last 3 years	9.00	360
66	NSPCL Bhilai	WR	908	816	907	415	372	414	400	Average of Last 3 years	9.00	364
67	Korba	WR	4580	4487	5377	2091	2049	2455	2198	Average of Last 3 years	7.09	2043
68	SIPAT	WR	2205	2551	4872	1007	1165	2225	2225	Last Year Figure	6.50	2080
69	CGPL	WR	0	0	1540	0	0	703	703	Last Year Figure	6.50	657
70	Gandhar	WR	1078	863	872	492	394	398	428	Average of Last 3 years	3.00	415
71	Kawas	WR	936	874	738	427	399	337	388	Average of Last 3 years	3.00	376
72	KAPS	WR	131	942	723	60	430	330	380	Average of Last 2 years	8.00	350
73	AGTPP, NEEPCO	NER	154	160	154	70	73	70	71	Average of Last 3 years	1.00	70
74	Doyang, NEEPCO	NER	159	143	127	73	65	58	65	Average of Last 3 years	1.00	65
75	Kopili, NEEPCO	NER	359	437	239	164	199	109	154	Average of Last 2 years	1.00	153
76	Khandong, NEEPCO	NER	91	89	86	42	41	39	40	Average of Last 2 years	1.00	40
77	Ranganadi, NEEPCO	NER	601	514	585	274	235	267	259	Average of Last 3 years	1.00	256
78	Kathalguri	NER	428	413	413	195	188	189	191	Average of Last 3 years	3.00	185
79	Loktak, NHPC	NER	193	206	205	88	94	94	92	Average of Last 3 years	1.00	91
80	Arunachal Pradesh	NER	0	0	0	0	0	0			0.00	0
81	Assam	NER	497	510	491	227	233	224	228	Average of Last 3 years	2.74	222
82	Manipur	NER	0	0	0	0	0	0			0.00	0
83	Meghalaya	NER	115	167	182	53	76	83	83	Last Year Figure	1.00	82
84	Nagaland	NER	29	42	47	13	19	22	22	Last Year Figure	1.00	21
85	Tripura	NER	152	187	185	69	86	85	80	Average of Last 3 years	3.00	77
86	Mizoram	NER	0	0	13	0	0	6	6	Last Year Figure	1.00	6
87	Andhra Pradesh	SR	15364	17972	15123	7016	8206	6905	7376	Average of Last 3 years	6.43	6902
88	Karnataka	SR	6545	8464	8371	2989	3865	3822	3559	Average of Last 3 years	5.98	3346
89	Kerala	SR	2047	2029	1818	935	927	830	897	Average of Last 3 years	1.47	884

90	Tamil Nadu	SR	8519	9334	8099	3890	4262	3698	3950	Average of Last 3 years	6.71	3685
91	Pondy	SR	61	64	59	28	29	27	27	Last Year Figure	3.00	26
92	Ramagundam	SR	5082	5322	4710	2321	2430	2151	2300	Average of Last 3 years	7.07	2138
93	Simhadri	SR	622	794	1286	284	362	587	587	Last Year Figure	6.50	549
94	SEPL (Unit 1)	SR	0	0	509			232	232	Last Year Figure	8.00	214
95	Lanco Kondapalli	SR	561	679	211	256	310	96	221	Average of Last 3 years	3.00	214
96	Kaiga	SR	872	1230	1296	398	561	592	592	Last Year Figure	10.50	530
97	NEYVELI (EXT) TPS	SR	778	799	914	355	365	417	417	Last Year Figure	9.50	378
98	NEYVELI TPS-II	SR	2563	2520	2576	1170	1151	1176	1166	Average of Last 3 years	10.00	1049
99	NEYVELI TPS-II EXP	SR	0	0	0	0	0	0				
100	MAPS	SR	586	593	715	267	271	327	327	Last Year Figure	10.50	292
101	Talcher	SR	3222	2978	2737	1471	1360	1250	1360	Average of Last 3 years	6.50	1272
102	Vallur	SR	0	0	65	0	0	30	30	Last Year Figure	6.50	28
103	TNWIND	SR	0	0	0							
104	KA-WIND	SR	0	0	0							

Note:

1. Projections are based on the past monthly energy generation data available on the website of CEA
2. Generation forecast has been done based on the following criteria
 - (i) If there is an increasing trend then last year average generation has been considered
 - (ii) Otherwise average of past three year average generation has been considered
3. It is assumed that the energy generation figure available on the website of CEA is gross and Normative Auxiliary Consumption has been reduced from it.
4. Normative Auxiliary Consumption of state considered based on the hydro thermal mix (1% Hydro, 3% Gas and 8% Thermal)
5. In case of new generators where past data was not available following has been assumed
 - (i) 0.2 plf for hydro generators
 - (ii) 0.8 plf for thermal generators already commissioned and 0.5 plf for thermal generators likely to be commissioned.
 - (iii) 0.3 plf for gas stations
6. CEA Reports can be accessed from following links
 - http://cea.nic.in/reports/monthly/generation_rep/actual/jun10/opm_16.pdf
 - http://cea.nic.in/reports/monthly/generation_rep/actual/jun11/opm_16.pdf
 - http://cea.nic.in/reports/monthly/generation_rep/actual/jun12/opm_16.pdf

Expected Generation Addition for Jul'2013-Sep'2013

New Units Expected to come by 1st August 2013

S.No.	Bus Name	Region	Type of Entity	OWNER	Unit No.	Installed Cap. (MW)	PLF (%)	NAC (%)	MW Gen.	Expected/Actual date of Commercial Operation	Present Status	Remarks
1	Bawana CCGT-III	NR	State (Delhi)		Block 2	750	30	3	218	Jun'13		As per CEA
2	Kalisindh	NR	State(Rajasthan)	RAJASTHAN-THERMAL	2	600	80	6.5	449	Jun'13		Expected date of Syn./Comm. (As per
3	Rajwest	NR	State(Rajasthan)	RAJASTHAN-THERMAL	7	135	80	8.0	99	COD on 16-03-13		As per CEA
4	Rajwest	NR	State(Rajasthan)	RAJASTHAN-THERMAL	8	135	80	8.0	99	COD on 28-02-13		As per CEA
5	Ramgarh GT	NR	State(Rajasthan)	RAJASTHAN-THERMAL	1	160	30	3.0	47	Jun'13	Synchronized and full load achieved on 20-03-13	As per CEA
6	Chhabra St.1 Ph.2	NR	State(Rajasthan)	RAJASTHAN-THERMAL	4	250	80	8	184	Jun'13		As per data submitted by Rajasthan for Q1
7	Bhilangana	NR	State(UK)	UTTARAKHAND-HYDRO	1	8	60	1.0	5	Already Commissioned		
8	Bhilangana	NR	State(UK)	UTTARAKHAND-HYDRO	2	8	60	1.0	5	Already Commissioned		
9	Bhilangana	NR	State(UK)	UTTARAKHAND-HYDRO	3	8	60	1.0	5	Already Commissioned		
10	Shravanti (Gas Plant)	NR	State(UK)	UTTARAKHAND-THERMAL	1	75	30	3.0	22			
11	Shravanti (Gas Plant)	NR	State(UK)	UTTARAKHAND-THERMAL	2	75	30	3.0	22			
12	Shravanti (Gas Plant)	NR	State(UK)	UTTARAKHAND-THERMAL	3	75	30	3.0	22			
13	Swastik TPP	WR	State (Chhattisgarh)		1	25	80	8.0	18	May'13		As per CEA
14	Adani Power Maharashtra Ltd. Ph II-Tiroda	WR	State (Maharashtra)		1	660	80	6.5	494	Apr'13		As per CEA
15	Satpura TPP Extn.	WR	State(MP)		10	250	80	8.0	184	Mar-13		As per CEA
16	Satpura TPP Extn.	WR	State(MP)		11	250	80	8.0	184	Jul-13		As per CEA
17	Vidarbha Power Ltd.	WR	State(Maharashtra)	VIPL	2	300	80	8.0	221	Jul'13	Jul'13	
18	Adani Power Maharashtra Ltd.-Tiroda	WR	State(Maharashtra)		1	660	80	6.5	494	Aug'12	Actual COD in Sep-12	As per CEA
19	EMCO Warora	WR	State(Maharashtra)		2	300	80	6.5	224	May'13		As per CEA
20	BALCO	WR	State(Chhattisgarh)	BALCO	2	300	80	8.0	221	After Mar'13		As per 1st VC Meeting
21	Marwa TPS	WR	State(Chhattisgarh)		1	500	80	6.5	374	Jun'13		As per CEA
22	Vandana Vidyut	WR	State(Chhattisgarh)		2	135	50	8.0	62	Aug'13		As per CEA
23	GMR	ER	Regional		2	350	80	8.0	258	Mar'13		As per 1st VC meeting
24	Koderma TPP	ER	State (DVC)	DVC	2	500	80	6.5	374	Feb'13		Date of Synchronizatn (As per CEA)
25	Corporate Power	ER	Regional		1	270	80	8.0	199	Jul'13		As per CEA
26	NEYVELLI II EXP	SR	Regional	NLC	1	250	80	10.0	180	Jun'13		As per CEA
27	Adhunik Power	ER	Regional		2	270	80	8.0	199	Jun'13	Synchronized on 29-03-13	As per CEA
28	Vallur TPP Ph1	SR	Regional		2	500	80	6.5	374	Jun-13		As per CEA
29	Palatana GBPP	NER	Regional	OTPC	2	363	30	3	106	Jul'13		As per CEA

Total

5341

Notes:

In case of new generators:

(i) Considering high hydro period, 0.4 plf for hydro generators

(ii) 0.8 plf for thermal generators already commissioned and 0.5 plf for thermal generators likely to be commissioned.

(iii) 0.3 plf for gas stations