
Point of Connection Charges and Losses Computation (2012-13)

Meeting of the Validation Committee

Date : 10th January 2012

Venue: NLDC, New Delhi

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BACKGROUND

- National Electricity Policy : Jan 2005
 - National Tariff Policy : Feb 2006
 - Discussion Paper on Sharing of Inter State Transmission Charges and Losses : Feb 2007
 - Order of the Commission : March 2008
 - Sharing of Charges of Inter regional link and downstream transformers
 - Approach Paper on Sharing of Inter State Transmission Charges and Losses : May 2009
 - CERC (Sharing of Inter State Transmission Charges and Losses), Regulations 2010 : June 2010
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BACKGROUND ... (2)

- Constitution of Implementation Committee : 6th July 2010
 - 6 Meetings of the Implementation Committee held
 - Constitution of Validation Committee : 28th Sep 2010
 - Members
 - Chairman: Chief (Engg.), CERC
 - Member Secretary RPCs
 - GM NLDC, GM NRLDC, GM SRLDC, GM ERLDC
 - Representatives from CEA
 - Representatives from CTU
 - State Representatives
 - For validation of Basic Network and Load Flow Results
 - 4 Meetings of the Validation Committee for PoC Computation of 2011-12
-

Scope of the Validation Committee

- As per Clause 7(1)(i) of the Regulation:

“Basic Network along with the converged load flow results for various grid conditions shall be validated by the validation committee. The Basic Network, nodal generation, nodal demand and the load flow results for the subsequent financial year for each grid condition shall be validated by this Committee and presented for approval to the Commission not later than 15th day of December in each financial year. The approved Basic Network, nodal generation, nodal demand along with the load flow results shall be made available on the websites of the Commission and NLDC immediately after its approval by the validation committee.”

- As per Clause 7(1)(g) of the Regulation:

“In the event of any conflict between the Designated ISTS Customer and the Implementing Agency in the revised generation and demand so obtained, a validation committee appointed by the Commission in this behalf shall take the final decision after hearing the Designated ISTS Customer and Implementing Agency. Such a committee shall comprise of two officials each from the Implementing Agency, NLDC, RPCs, CTU, CEA and the Commission. The validation committee shall be chaired by a nominee of the Commission.”

BACKGROUND ... (4)

- Submission of Preliminary Results to the Commission
 - Order on Removal of Difficulties dated 4th April 2011, 2nd June 2011, 22nd June 2011, 28th June 2011 & 29th June 2011
 - CERC Order on Approval of TSA, RSA, BCD Procedures dated 29th April 2011
 - Submission of Final Results for 2011-12 on 17th June 2011
 - Validation of Results by Validation Committee
 - CERC Order on Approval of Slab Rates dated 29th June 2011
 - CERC Order on Approval of Procedures dated 30th June 2011
 - Implementation of Point of Connection Tariff Mechanism w.e.f 1st July 2011
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Yearly Transmission Charges for 2011-12

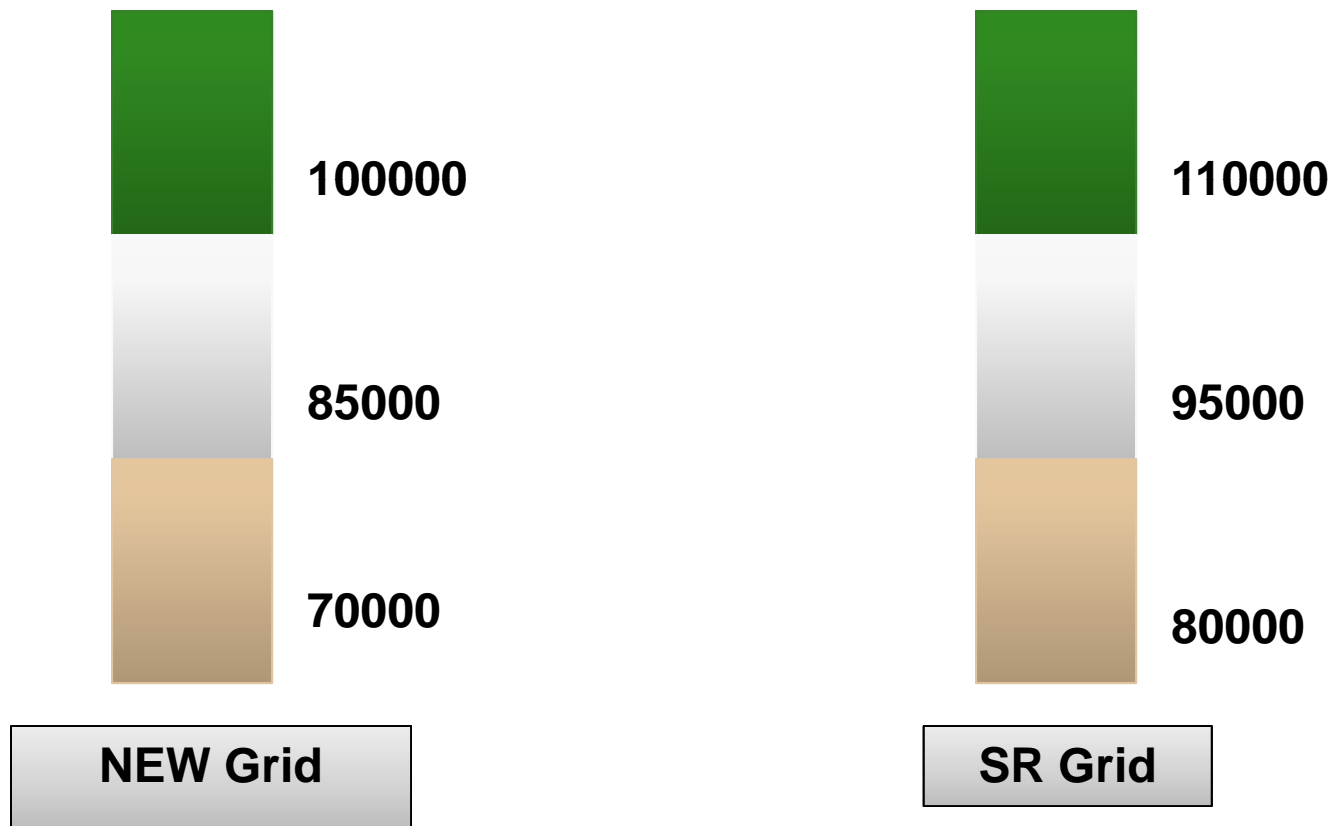
All Figures in Rs Cr/Annum

ISTS Licensees	NEW Grid	SR Grid	Total
POWERGRID	6606	1594	8199
POWERLINKS	268	-	268
RPTL	80	-	80
Jaypee Powergrid	142	-	142
UPPTCL*	16	-	16
RRVPL*	2	-	2
PDD J&K*	10	-	10
GETCO*	6	-	6
Mahatransco*	21	-	21
Total	7149	1594	8743

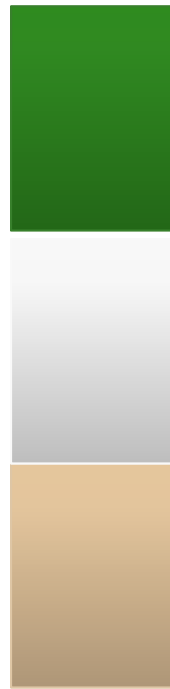
* RPC Certified Lines

Approved Slab PoC Rates

- Slab for PoC rates approved by CERC



Approved Slab PoC Losses



Average Loss + 0.3%

**Average Loss
(Based on previous week SEM
Data)**

Average Loss - 0.3%

**CERC (Sharing of Inter State Transmission
Charges and Losses) (First Amendment)
Regulations 2011**

Amendment to Regulation 2 of Principal Regulations

- **Definition of Approved Injection :**

Sub-Clause (c) of Clause (1) of Regulation 2 substituted as:

“(c) ‘**Approved Injection**’ means the injection in MW validated by Implementing Agency (IA) for the Designated ISTS Customer for each representative block of months, peak and other than peak scenarios at the ex-bus of the generator or any other injection point of the Designated ISTS Customer into the ISTS, and determined on the basis of generation data submitted by the Designated ISTS Customers incorporating total injection into the grid, considering the Long-term Access and Medium-term contracts **Open Access;**”

Amendment to Regulation 2 of Principal Regulations ... (2)

- **Definition of Approved Withdrawal :**

Sub-Clause (f) of Clause (1) of Regulation 2 substituted as:

‘Approved Withdrawal’ means the simultaneous withdrawal in MW ~~vetted~~ **validated** by Implementing Agency for any Designated ISTS Customer in a control area aggregated from all nodes of ISTS to which Designated ISTS Customer is connected for each representative block of months, peak and other than peak scenarios, at the interface point with ISTS, and where the Approved Withdrawal shall be determined based on the demand data submitted by the Designated ISTS Customers incorporating ~~long term and medium term transactions~~ **considering Long-term Access and Medium-term Open Access;**”

Amendment to Regulation 2 of Principal Regulations ... (3)

- Definition of DIC

- DISCOMs/ Designated Agency in State prior to PoC implementation to be treated as DIC in that State for preparation of RTA and for Billing & Collection
- After Implementation, States may designate any agency as DIC

- Definition of 'Target Region' after sub-clause (t) of Regulation 2 inserted as:

"(ti) 'Target Region' means the region to which a generator proposes to sell power after obtaining Long-term Access from the CTU and for which beneficiaries in the said region have not been identified."

CERC (Sharing of Inter State Transmission Charges and Losses) (First Amendment) Regulations 2011

■ Definition of YTC:

Sub-clause (y) of clause (1) of Regulation 2 substituted as:

“(y) ‘**Yearly Transmission Charge (YTC)**’ means the Annual Transmission Charges for the existing and new transmission assets of the transmission licensees and deemed ISTS Licensees including non-ISTS lines certified by Regional Power Committees for carrying inter-State power, determined by the Appropriate Commission under section 62 of the Act or adopted by the Appropriate Commission under section 63 of the Act or as otherwise provided in these Regulations”

Amendment to Regulation 7 of Principal Regulations

- Amendment to Clause (1)(I) of Regulation 7:
 - YTC to be submitted by ISTS Licensee, deemed ISTS Licensees and Owners of RPC certified non-ISTS lines for their transmission assets for application period alongwith Ckt Kms at each voltage level and conductor configuration
 - Total YTC to be apportioned for each Voltage level and conductor configuration based on Ratio of Indicative cost levels furnished by CTU in the beginning of application period and approved by Commission
-

Amendment to Regulation 7 of Principal Regulations

- Amendment to Clause (1)(I) of Regulation 7:
 - YTC to be revised on six monthly basis i.e., on 1st April and 1st October in first year
 - Subsequently, revision on Quarterly basis i.e., 1st April, 1st July, 1st October and 1st December
 - Sub-Clause (m) of Clause (1) of Regulation 7 (allocation of YTC of sub-stations to transmission lines) to be deleted
-

Amendment to Regulation 7 of Principal Regulations

- Following proviso to be added to Sub-Clause (o) of Clause (1) of Regulation 7

“Provided that a single scenario based on average generation and demand data published by the Central Electricity Authority shall be considered for determination of POC charges for the year 2011-12 or for such further period as the Commission may decide based on the availability of node-wise forecast data for different scenarios from the DICs.”

Amendment to Regulation 11 of Principal Regulations

- First part of Bill to be raised based on Inputs provided by IA on next working day of uploading of RTA by RPCs on websites in each month for previous month
 - List of Transmission assets with approved transmission charges to be enclosed with First part of Bill
 - Charges for LTA to target region without identified beneficiaries
 - Injection PoC and lowest of Demand PoC among all DICs in target region
-

Amendment to Annexure of Principal Regulations

- YTC computed for assets at each Voltage level and for each Conductor configuration based on Indicative Cost submitted by CTU
 - YTC for RPC certified non-ISTS lines
 - To be approved by Appropriate Commission
 - Average YTC to be used if tariff not approved by Appropriate Commission
 - Common methodology to be adopted by NLDC for certifying non-ISTS lines carrying Inter-State power
 - Recovery of YTC of assets to be commissioned in Application period based on Approved/Provisional tariff
 - Disbursement to owners of RPC certified non-ISTS lines only after tariff is approved by Appropriate Commission
-

Computation of PoC Charges and Losses for 2012-13

CERC Order on Computation of PoC Charges and Losses for 2012-13 dated 2nd January 2012

- IA Letter to CERC on Status of Data submission by DICs dated 15.12.2011
 - As per Clause 7 of CERC Order,

“After taking the said facts into consideration, we are of the view that the PoC charges and losses for the year 2012-13 should be decided in accordance with the proviso to Regulation 18 (1) of the Sharing Regulations. Accordingly, we direct IA to consider the average generation and demand data published by Central Electricity Authority for determination of PoC charges for the year 2012-13”
-

Philosophy for Average Energy Case

- Load Projection
 - Based on Last 3 years data from CEA website
 - Generation Projection
 - Last 3 years data from CEA website
 - New Generation
 - Likely commissioning by 30th September 2012
 - Assumptions for PLF
 - Thermal units already commissioned : 80%
 - Thermal units likely to be commissioned : 50%(considering stabilization period)
 - Hydro Units : 40%
-

Load Projection for 2012-13

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

Generation Projection for 2012-13

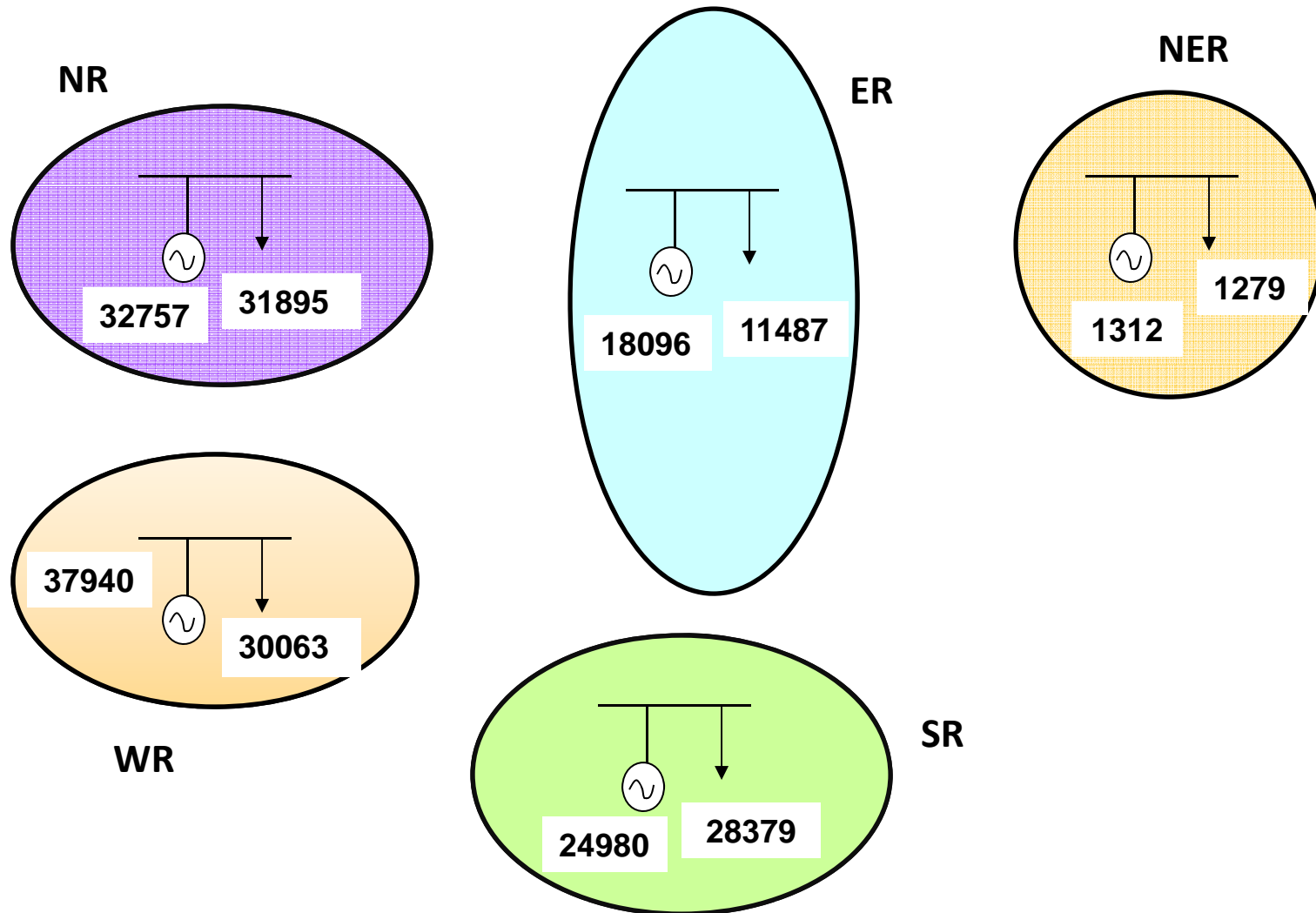
- Northern Region
 - Western Region
 - Southern Region
 - Eastern Region
 - North Eastern Region
-

Load Generation Balance

(Gen of new units also to be considered)

	Generation	Demand
Northern Region	=28757+4000	31896
Eastern Region	=15396+2700	11487
Western Region	=33690+4250	30063
North Eastern Region	=972+340	1279
Southern Region	=22755+2125	28379
NEW Grid	=78815+11290	74724
SR Grid	=22755+2125	28379

Load Generation Balance (Gen of new units to be included)



New Assets for 2012-13

- New Assets for 2011-12 for Petition yet to be filed
 - Transmission Lines to be commissioned in 2012-13
 - Substations to be commissioned in 2012-13
-

Expected Generation Addition for 2012-13

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

Comparison of YTC for 2012-13 and 2011-12

	2012-2013 (All Figures in Cr)						2011-2012 (All Figures in Cr)					
	NEW Grid		SR Grid		Total		NEW Grid		SR Grid		Total	
	YTC	MTC	YTC	MTC	YTC	MTC	YTC	MTC	YTC	MTC	YTC	MTC
POWERGRID	9654	804	2158	180	12273	1023	6606	550	1594	133	8199	683
POWERLINKS	260	22			260	22	268	22			268	22
RELIANCE	234	19			234	19	80	7			80	7
Jaypee Power	201	17			201	17	142	12			142	12
Total	10349	862	2158	180	12968	1081	7096	591	1594	133	8689	724

Summary of YTC of POWERGRID for 2012-13

	YTC	MTC
NEW GRID	7058	588
SR GRID	1769	147
HVDC	845	70
Petition to be filled for 2011-12 assets	831	69
New Assets 1st and 2nd QTR	1309	109
New Assets 3rd and 4th QTR	462	38
Total	12273	1023

Issues

- Load Generation Balance

- Load Projection not matching with generation availability with new generation
- Load scaling - specific region/state or pro rata
- Generation backing down - Region/State/Generator or pro rata or Reduced New Generation
- Availability of coal next year?

- Yearly Transmission Charges

- Consideration of Transmission Lines where Approved/ Provisional Tariff not available
 - Consideration of impact of change in Tax rate (amendment dtd. 21.6.11 to Terms and Conditions of Tariff regulations)
-

Issues

- Adani-Mahendergarh HVDC Power Order.
 - Power flow towards Southern Region (Suggested values: Talcher-Kolar- 2000 MW, Chandrapur- 800 MW, Gajuwaka- NIL).
 - Commencement of LTA with commissioning of new lines; Generators to pay charges at the minimum rate of target region
 - How to handle in computation and scaling of PoC?
 - Commercial Data for Sterlite, Jindal, Palatana trans system not received
 - How to include in PoC Computation
-

Thank You!

Load Projection – Northern Region

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	MU				MW			
	2009-10	2010-11	2011-12	2012-13	2009-10	2010-11	2011-12	2012-13
Chandigarh	1,528	1,519	1,703	1,758	174	173	194	201
Delhi	24,094	25,559	29,310	31,537	2,750	2,918	3,346	3,600
Haryana	32,023	32,626	37,043	38,917	3,656	3,724	4,229	4,443
Himachal Pradesh	6,769	7,364	7,946	8,536	773	841	907	974
Jammu & Kashmir	9,933	10,181	10,371	10,600	1,134	1,162	1,184	1,210
Punjab	39,408	41,799	48,317	52,083	4,499	4,772	5,516	5,946
Rajasthan	43,062	44,836	45,824	47,335	4,916	5,118	5,231	5,404
Uttar Pradesh	59,508	64,846	71,817	77,699	6,793	7,403	8,198	8,870
Uttarakhand	8,338	9,255	10,062	10,942	952	1,057	1,149	1,249
Northern Region	224,663	237,985	262,391	279,407	25,646	27,167	29,953	31,896

Load Projection – Western Region

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	MU				MW			
	2009-10	2010-11	2011-12	2012-13	2009-10	2010-11	2011-12	2012-13
Chattisgarh	10,739	10,165	14,427	15,465	1,226	1,160	1,647	1,765
Gujarat	67,220	67,534	74,592	77,154	7,674	7,709	8,515	8,808
Madhya Pradesh	34,973	38,644	38,175	40,466	3,992	4,411	4,358	4,619
Maharashtra	101,512	107,018	114,383	120,508	11,588	12,217	13,057	13,757
Daman & Diu	1,802	1,997	1,940	2,050	206	228	221	234
Dadra Nagar Haveli	3,853	4,424	4,347	4,702	440	505	496	537
Goa	3,026	3,089	2,996	3,006	345	353	342	343
Western Region	223,125	232,871	250,859	263,352	25,471	26,583	28,637	30,063

Load Projection – Southern Region

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	MU				MW			
	2009-10	2010-11	2011-12	2012-13	2009-10	2010-11	2011-12	2012-13
Andhra Pradesh	73,765	76,450	83,595	87,767	8,421	8,727	9,543	10,019
Karnataka	42,041	46,624	50,765	55,200	4,799	5,322	5,795	6,301
Kerala	17,196	17,767	18,827	19,560	1,963	2,028	2,149	2,233
Tamil Nadu	71,568	75,101	79,848	83,786	8,170	8,573	9,115	9,565
Pondicherry	1,975	2,039	2,193	2,287	225	233	250	261
Southern Region	206,545	217,981	235,227	248,600	23,578	24,884	26,852	28,379

Load Projection – Eastern Region

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	MU				MW			
	2009-10	2010-11	2011-12	2012-13	2009-10	2010-11	2011-12	2012-13
Bihar	9,914	10,772	11,390	12,167	1,132	1,230	1,300	1,389
DVC	14,577	15,071	15,279	15,678	1,664	1,720	1,744	1,790
Jharkhand	5,407	5,985	5,904	6,262	617	683	674	715
Orissa	20,955	22,449	22,724	23,811	2,392	2,563	2,594	2,718
West Bengal	32,819	35,847	39,210	42,350	3,746	4,092	4,476	4,834
Sikkim	345	402	338	354	39	46	39	40
Bhutan								
Eastern Region	84,017	90,526	94,844	100,622	9,591	10,334	10,827	11,487

Load Projection – North Eastern Region

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	MU				MW			
	2009-10	2010-11	2011-12	2012-13	2009-10	2010-11	2011-12	2012-13
Arunachal Pradesh	325	436	528	633	37	50	60	72
Assam	4,688	5,063	5,951	6,496	535	578	679	742
Manipur	430	505	524	580	49	58	60	66
Meghalaya	1,327	1,352	1,491	1,554	151	154	170	177
Mizoram	288	315	339	365	33	36	39	42
Nagaland	466	520	555	603	53	59	63	69
Tripura	771	801	915	973	88	91	104	111
N.Eastern Region	8,295	8,992	10,302	11,203	947	1,026	1,176	1,279

Generation Projection – Northern Region

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	MU			MW			Suggested Figure for 2012-13 (MW)
	2009-10	2010-11	2011-12 (Extrapolated Values)	2009-10	2010-11	2011-12	
UP	29515	33587	31398	3369	3834	3584	3596
Delhi	10153	9125	9735	1159	1042	1111	1104
Haryana	18390	18727	21718	2099	2138	2479	2479
Uttarakhand	4080	4781	5367	466	546	613	613
Punjab	23795	22519	23968	2716	2571	2736	2674
Rajasthan	29394	25034	27131	3355	2858	3097	3103
Himachal Pradesh	3377	3546	3416	386	405	390	393
Jammu & Kashmir	3444	3542	3786	393	404	432	432
Rihand	16743	16319	15908	1911	1863	1816	1863
Singrauli	16264	16914	14903	1857	1931	1701	1830
Naptha Jhakri	7019	7135	7861	801	815	897	897
Tehri	2117	3117	3998	242	356	456	456
Dadri NCTPP	7828			894			
Dadri NCTPP-I		12065	14129		1377	1613	1613
Dadri CCPP	5607	5398	5192	640	616	593	616

Generation Projection – Northern Region

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	MU			MW			Suggested Figure for 2012-13 Case (MW)
	2009-10	2010-11	2011-12 (Extrapolated Values)	2009-10	2010-11	2011-12	
Anta	3002	2487	2696	343	284	308	311
Auraiya	4528	4366	3970	517	498	453	490
Unchahar	8952	8578	7931	1022	979	905	969
Jhajjar		98	2420		11	276	276
RAAP B		7706	8555		880	977	977
RAAP C							
Bairasul	623	711	729	71	81	83	83
Tanakpur	471	465	502	54	53	57	55
Chamera 1	2065	2409	2804	236	275	320	320
Chamera 2	1369	1439	1552	156	164	177	177
URI HPS	2703	3039	2713	309	347	310	322

Generation Projection – Northern Region

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	MU			MW			Suggested Generation Figure for 2012-13 Case (MW)
	2009-10	2010-11	2011-12 (Extrapolated Values)#	2009-10	2010-11	2011-12	
DHAULIGANGA	1134	1133	1176	129	129	134	134
DULHASTI	2264	2234	2248	258	255	257	257
NAPS	818	1885	1918	93	215	219	219
Salal	3024	3219	3312	345	367	378	378
BBMB	9371	11274	12717	1070	1287	1452	1452
Chandigarh							
Railways							
Everest			110			13	40
AD Hydro		144	651		16	74	74
Sewa-II		364	632		42	72	72
Koteshwar			426			49	80
Karcham Wangtoo			3055			349	400

Generation Projection – Eastern Region

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	MU			MW			Suggested Generation Figure for 2012-13 Case (MW)
	2009-10	2010-11	2011-12 (Extrapolated Values)	2009-10	2010-11	2011-12	
West Bengal	33110	33998	34599	3780	3881	3950	3950
Orissa	10935	14286	21903	1248	1631	2500	2500
Bihar	755	534	443	86	61	51	66
Jharkhand	5673	5696	5854	648	650	668	655
Sikkim	41	0	0	5	0	0	
DVC	14889	16641	18252	1700	1900	2084	2084
Teesta	2598	2624	2482	297	300	283	293
Kahalgaon	11311	14029	12721	1291	1601	1452	1448
Farakka	10239	11089	9921	1169	1266	1133	1189
Talcher	23759	22542	20751	2712	2573	2369	2551
Rangeet	329	352	352	38	40	40	39
Bhutan	5359	5611	5312	612	641	606	620

Generation Projection – Western Region

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	MU			MW			Suggested Generation Figure for 2012-13 Case (MW)
	2009-10	2010-11	2011-2012 (Extrapolated Values)	2009-10	2010-11	2011-12	
MP	20841	20588	22773	2379	2350	2600	2600
Maharashtra	75508	77641	82044	8620	8863	9366	9366
Chattisgarh	15991	14003	30629	1825	1599	3497	3497
Gujarat	52778	58196	62287	6025	6643	7110	7110
Goa	321	293	273	37	33	31	34
D&D							
DNH							
Vindhyachal	27586	27010	24785	3149	3083	2829	3021
Korba	17956	17375	18352	2050	1983	2095	2043
SSP	2501	3588	4800	286	410	548	548

Generation Projection – Western Region

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	MU			MW			Suggested Generation Figure for 2012-13 Case (MW)
	2009-10	2010-11	2011-12 (Extrapolated Values)	2009-10	2010-11	2011-12	
Gandhar	4488	4058	3678	512	463	420	465
Kawas	4327	3882	3320	494	443	379	439
KAPS	1068	1446	3746	122	165	428	428
TAPS	7991	9123	10001	912	1041	1142	1142
JINDAL	8148	8588	8568	930	980	978	978
LANCO	1528	3700	3847	174	422	439	439
SIPAT	8175	8456	10042	933	965	1146	1146
NSPCL Bhilai		4018	3619		459	413	436

Generation Projection–North Eastern Region

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	MU			MW			Suggested Generation Figure for 2012-13 Case (MW)
	2009-10	2010-11	2011-12 (Extrapolated Values)	2009-10	2010-11	2011-12	
AGTPP, NEEPCO	663	644	656	76	74	75	75
Doyang, NEEPCO	184	256	230	21	29	26	25
Kopili, NEEPCO	862	792	1151	98	90	131	131
Kopili-II, NEEPCO							
Khandong, NEEPCO	149	156	195	17	18	22	22
Ranganadi, NEEPCO	1033	1397	961	118	159	110	129
Kathalguri	1744	1834	1750	199	209	200	203
Loktak, NHPC	381	604	433	44	69	49	54
Arunachal Pradesh	20	0	0	2	0	0	0
Assam	1789	1703	1784	204	194	204	201
Manipur	0	0	0	0	0	0	
Meghalaya	526	293	472	60	33	54	49
Mizoram	0	0	0	0	0	0	0
Nagaland	74	0	0	8	0	0	3
Tripura	670	670	704	76	76	80	80

Generation Projection – Southern Region

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	MU			MW			Suggested Generation Figure for 2012-13 Case (MW)
	2009-10	2010-11	2011-12 (Extrapolated Values)	2009-10	2010-11	2011-12	
Andhra Pradesh	54547	63461	68667	6227	7244	7839	7839
Karnataka	32237	34593	35350	3680	3949	4035	4035
Kerala	10404	9248	9207	1188	1056	1051	1098
Tamil Nadu	34984	43126	33821	3994	4923	3861	4259
Pondy	227	192	0	26	22	0	16
Goa		0	0	0	0	0	0
Ramagundam	21595	20560	20695	2465	2347	2362	2392

Generation Projection – Southern Region

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	MU			MW			Suggested Generation Figure for 2012-13 Case (MW)
	2009-10	2010-11	2011-12 (Extrapolated Values)	2009-10	2010-11	2011-12	
NEYVELI (EXT) TPS	2981	2996	2929	340	342	334	339
NEYVELI TPS- I	4115	3877	3739	470	443	427	446
NEYVELI TPS-II	10560	10740	10808	1205	1226	1234	1234
NEYVELI TPS-II EXP	0	0	0	0	0	0	0
MAPS	2046	2239	2469	234	256	282	282
Kaiga	3226	3885	5121	368	444	585	585
Lanco Kondapalli	389	2139	1908	44	244	218	231

Expected Generation Addition – Northern Region

S. No.	Bus Name	OWNER	Unit No.	IC (MW)	Expected DOCO
1	Jhajjar	APCPL	3	500	Mar-12
2	Shree cement	Shree cement	1	150	Already Commissioned
3	Shree cement	Shree cement	2	150	Already Commissioned
4	Koteswar	THDC	1	100	2011-12
5	Koteswar	THDC	2	100	2011-12
6	Koteswar	THDC	3	100	2011-12
7	Koteswar	THDC	4	100	2011-12
8	Karcham Wangtoo	JAYPEE	1	250	Already Commissioned
9	Karcham Wangtoo	JAYPEE	2	250	Already Commissioned
10	Karcham Wangtoo	JAYPEE	3	250	Already Commissioned
11	Karcham Wangtoo	JAYPEE	4	250	Already Commissioned
12	Chamera-3	NHPC-NR	1	77	2011-12
13	Chamera-3	NHPC-NR	2	77	2011-12
14	Chamera-3	NHPC-NR	3	77	2011-12

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

S. No.	Bus Name	OWNER	Unit No.	IC (MW)	Expected DOCO
15	Uri-2	NHPC-NR	1	60	2011-12
16	Uri-2	NHPC-NR	2	60	2011-12
17	Uri-2	NHPC-NR	3	60	2011-12
18	Uri-2	NHPC-NR	4	60	2011-12
19	Malana 2	Everest	1	50	Already Commissioned
20	Malana 2	Everest	2	50	Already Commissioned
21	RAJWEST	RAJASTHAN-THERMAL	5	135	Jul-12
22	RAJWEST	RAJASTHAN-THERMAL	6	135	Sep-12
23	BAWANA	DELHI-THERMAL	1	250	Already Commissioned
24	BAWANA	DELHI-THERMAL	2	250	Already Commissioned
25	BAWANA	DELHI-THERMAL	3	250	Already Commissioned
26	BAWANA	DELHI-THERMAL	4	250	Dec-11
27	BAWANA	DELHI-THERMAL	5	250	Dec-11
28	BAWANA	DELHI-THERMAL	6	250	Feb-12

Expected Generation Addition – Northern Region ... (3)

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S. No.	Bus Name	OWNER	Unit No.	IC (MW)	Expected DOCO
29	ANPARA-C	IPP_UP	1	600	Already Commissioned
30	ANPARA-C	IPP_UP	2	600	Already Commissioned
31	HARDUAGANJ	UP-THERMAL	4	250	Already Commissioned
32	HARDUAGANJ	UP-THERMAL	5	250	Dec-11
33	ROSA	RELIANCE ENERGY-IPP	3	300	Apr-12
34	ROSA	RELIANCE ENERGY-IPP	4	300	Aug-12
35	PARICHA	UP-THERMAL	5	250	Mar-12
36	PARICHA	UP-THERMAL	6	250	Aug-12
37	Budhil	Himachal Pradesh	1	35	2011-12
38	Budhil	Himachal Pradesh	2	35	2011-12

Expected Generation Addition – Western Region [Back](#)

S. No.	Bus Name	Unit No.	IC (MW)	Expected DOCO
39	Mauda TPP	1	500	Jul-12
40	Mahan	1	660	Mar-12
41	Bhusawal	2	500	Sep-12
42	Vadinar	1 & 2	2*600	Jan 2012 & March 2012
43	Korba	7	500	Already Commissioned
44	Vindhyachal-IV	11	500	Jul-12
45	Sipat-I	2	660	Feb-12
46	Jayprakash Bina Power TP	1 & 2	2*250	Mar-12
47	Coastal Gujarat Power Ltd	1 & 2	2*800	1st unit by Feb'12 & 2nd by Sep'12
48	Vandana Vidhyut Ltd	1 & 2	2*135	Mar-12
49	BALCO	1 & 2	2*300	Mar-12
50	ACB ltd	1 & 2	2*135	One unit commissioned and One unit by Mar'12
51	Jindal (DCPP)	1 & 2	2*135	One unit commissioned

Expected Generation Addition – Eastern Region

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S. No.	Bus Name	Unit No.	IC (MW)	Expected DOCO
52	MPL	1 & 2	2 X 525	One Unit Already Commissioned
53	Meija-B	1 & 2	2 X 500	One Unit Already Commissioned
54	Koderma TPP	1	1 X 500	Already Commissioned
55	DSTPS	1	1 X 500	Already Commissioned
56	Farraka U#6	6	1 X 500	Already Commissioned
57	Corporate Power	1	1 X 257	

Expected Generation Addition – Southern Region

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S. No.	Bus Name	OWNER	Unit No.	IC (MW)	Expected DOCO
	Central Sector				
58	Simhadri STTP Extn.		4	500	Aug-12
59	NEYVELLI II EXP2		1	250	Aug-12
60	Vallur (an ISGS, JV of TNEB & NTPC)		1	500	Aug-12
	AP				
61	KTPS Stg 4		11	500	Commissioned in 10/2011
62	KAKATIYA		1	500	Commissioned in 05/2010
	Karnataka				
63	Bellary	BTPS	2	500	Aug-12
	Tamil Nadu				
64	Mettur Stg2		1	600	Aug-12
	IPP				
65	Simhapuri	SEPL	1	150	Aug-12
66	Meenakshi	MEPL	1	150	Aug-12

Expected Generation Addition – North Eastern Region

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S. No.	Bus Name	OWNER	Unit No.	IC (MW)	Expected DOCO
67	Leshka	MECL	1 & 2	2X42	Already Commissioned
68	Bongaigaon	NTPC	1	1X250	Jul-12
69	Palatana	OTPC	1	1X363	Feb-12