




# **Point of Connection Charges and Losses Computation (April 2013 - June 2013)**

**Meeting of the Validation Committee  
Date : 15th January 2013  
Venue: NLDC, New Delhi**



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## Input Data for PoC Computation for H2 Case (Oct'12-Mar'13)

- Variation in Generation Commissioning
- Variation in Transmission Lines Commissioning

# Load Generation Projection



- Load and Generation Projection
  - Based on Last 3 years data (April-June) from CEA website.
- New Generation
  - Expected DOCO by 1<sup>st</sup> May 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

<b>New Units</b>	<b>Plant Load Factor</b>
Thermal Units with DOCO by 31 <sup>st</sup> March 2013	80%
Thermal Units with DOCO from 1 <sup>st</sup> April 2013 to 1 <sup>st</sup> May 2013	50%
Hydro Units with DOCO by 31 <sup>st</sup> March 2013	60%
Hydro Units with DOCO from 1 <sup>st</sup> April 2013 to 1 <sup>st</sup> May 2013	40%
Gas Units with DOCO by 31 <sup>st</sup> March 2013	30%
Gas Units with DOCO from 1 <sup>st</sup> April 2013 to 1 <sup>st</sup> May 2013	15%

# Demand Projection



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

# Generation Projection



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

# Expected Generation addition – Northern Region

S.No.	Name	OWNER	Unit No.	Installed Cap. (MW)	MW Gen.	Expected DOCO
1	Bawana CCGT-III	IPGPCL	Block 2	750	218	Mar-13
2	Jhajjar	APCPL	3	500	374	Mar'13
3	Kalisindh	RAJASTHAN	2	600	281	May'13
4	Parbati-III	NHPC	1	130	77	Jan'13
5	Parbati-III	NHPC	2	130	77	Jan'13
6	Parbati-III	NHPC	3	130	77	Jan'13
7	Parbati-III	NHPC	4	130	77	Jan'13
8	Nimmo Bazgo	NHPC	1	15	9	Jan'13
9	Nimmo Bazgo	NHPC	2	15	9	Jan'13
10	Nimmo Bazgo	NHPC	3	15	9	Jan'13
11	Uri-II	NHPC	1	60	36	Feb'13
12	Uri-II	NHPC	2	60	36	Feb'13
13	Uri-II	NHPC	3	60	36	Feb'13
14	Uri-II	NHPC	4	60	36	Feb'13



# Expected Generation addition – Western Region

S.No.	Name	OWNER	Unit No.	Installed Cap. (MW)	MW Gen.	Expected DOCO
15	Swastik TPP	ACB ( India) Ltd	1	25	18	Mar'13
16	Pipavav-CCPP	GSPC PIPAVAV Power Co.Ltd.	2	351	51	Mar'13
17	Jayprakash Bina Power TP	Jayprakash Power Ventures	2	250	184	Mar'13
18	Tiroda TPP Ph I	Adani Power Maharashtra Ltd.	2	660	309	Jan'13
19	Tiroda TPP Ph II	“	1	660	309	Mar'13
20	Tiroda TPP Ph II	“	2	660	309	Mar'13
21	Coastal Gujarat Power Ltd	Tata Power Co.	3	800	598	Actual COD in Oct-12
22	Coastal Gujarat Power Ltd	”	4	800	598	Jan'13
23	Bela TPP	IEPL	1	270	124	Mar'13
24	EMCO, Warora TPP Ph I & II	EMCO Energy Ltd.	1	300	221	Mar'13
25	EMCO, Warora TPP Ph I & II	“	2	300	221	Mar'13
26	Marwa TPP	Chhatisgarh	1	500	374	Mar-13
27	Satpura TPP Extn.	MPPGCL	10	250	184	Mar-13
28	Vandana Vidyut TPP- Chattisgarh	Vandana Vidyut Ltd.	1	135	62	Mar-13
29	Bhusawal II		2	500	COD Not intimated	COD date not known

# Expected Generation addition – Eastern Region

S.No.	Name	OWNER	Unit No.	Installed Cap. (MW)	MW Gen.	Expected DOCO
30	Koderma TPP	DVC	2	500	234	Jan-13
31	Adhunik Power TPP	Adhunik Power Co. Ltd.	2	270	199	Mar'13
32	Corporate Power	Corporate Power Ltd.	2	270	124	May'13

# Expected Generation addition – Southern Region

<b>S.No</b>	<b>Name</b>	<b>OWNER</b>	<b>Unit No.</b>	<b>Installed Cap. (MW)</b>	<b>MW Gen.</b>	<b>Expected DOCO</b>
<b>33</b>	<b>Vallur TPP Ph1</b>	<b>NTECL</b>	<b>2</b>	<b>500</b>	<b>374</b>	<b>Mar-13</b>
<b>34</b>	<b>Meenakshi</b>	<b>Meenakshi Energy Pvt. Ltd</b>	<b>2</b>	<b>150</b>	<b>110</b>	<b>Feb-13</b>

# Data Collection for PoC Computation (Q1)



- Letter to DICs for Furnishing Technical & Commercial Data for Q1 (Apr'13-Jun'13) dated 13<sup>th</sup> December 2012
- Data Received from:
  - MPPTCL
  - NTPC
  - NHPC
  - POWERGRID
  - POWERLINKS
  - DVC
  - BBMB
  - NPCIL –MAPS, Kudankulam
  - Jaypee Powergrid Ltd.
  - NLC
  - RPTL

# Points for Discussion

- Date for considering New Assets & Generation for Quarter-wise Computation of PoC
- Activities for Computation of PoC Results for Q1 Case
  - (1) In sub-clause (i) of clause (1) of Regulation 7 of the Principal Regulations, the words "not later than 15th of December in each financial year", shall be substituted as under, namely:*
    - "three months before the revision of the YTC in accordance with first proviso to sub-clause (i) of clause (1) of this regulation".*
  - Date for Submission of Technical Data by DICs
  - Date for Submission of Yearly Transmission Charges (YTC) by Licensees
  - 2<sup>nd</sup> Validation Committee Meeting
  - Submission of Results



**Thank You !!**

# Demand Projection – Northern Region



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Entity	Demand (MW)
UP	10,333
Delhi	3,484
Haryana	4,720
Uttarakhand	1,412
Punjab	5,551
Rajasthan	6,053
Himachal Pradesh	1,119
Jammu & Kashmir	1,290
Chandigarh	229

# Demand Projection – Eastern Region

  
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Entity	Demand (MW)
West Bengal	5,458
Odisha	2,904
Bihar	1,559
Jharkhand	777
Sikkim	46
DVC	1,914



# Demand Projection – Western Region

  
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Entity	Demand (MW)
MP	4,881
Maharashtra	15,629
Chattisgarh	2,334
Gujarat	10,541
Goa	325
D&D	182
DNH	430

# Demand Projection – North-Eastern Region



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Entity	Demand (MW)
Arunachal Pradesh	72
Assam	726
Manipur	48
Meghalaya	186
Mizoram	43
Nagaland	53
Tripura	121

# Demand Projection – Southern Region

  
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Entity	Demand (MW)
Andhra Pradesh	10,458
Karnataka	7,445
Kerala	2,535
Tamil Nadu	8,625
Pondicherry	293

# Generation Projection – Northern Region

Entity	Generation (MW)
UP	4392
Delhi	1191
Haryana	2092
Uttarakhand	589
Punjab	2435
Rajasthan	3146
Himachal Pradesh	437
Jammu & Kashmir	559
BBMB	1240

## Generation Projection – Northern Region ...(2)

Entity	Generation (MW)
Dadri Thermal	1383
Rihand	1718
Singrauli	1661
Unchahar	883
Auraiya	435
Dadri CCPP	625
NAPS	239
Jhajjar	935
DHAULIGANGA	140
Tanakpur	47
Koteshwar	123
Tehri	292
Anta	290

# Generation Projection – Northern Region ...(3)

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Entity	Generation (MW)
RAAP A,B,C	749
AD Hydro	92
Everest	32
Karcham Wangtoo	573
Bairasul	137
Chamera 1	392
Chamera 2	236
Chamera 3 (Unit 1)	29
Naptha Jhakri	1078
DULHASTI	338
Salal	502
Sewa-II	59
URI 1 HPS	467
Sree Cement	220

# Generation Projection – Eastern Region

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Entity	Generation (MW)
West Bengal	3971
Odisha	1300
Bihar	45
Jharkhand	304
Sikkim	0
DVC	2531
MPL	220
Sterlite	935
Teesta	341
Kahalgaon	1656
Farakka	1385
Talcher (Stg I)	862
Rangeet	36
Bhutan	452

# Generation Projection – Western Region...(1)

Entity	Generation (MW)
MP	2508
Maharashtra	8781
Chattisgarh	1440
Gujarat	7282
Goa	34



# Generation Projection – Western Region ... (2)

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Entity	Generation (MW)
Vindhyachal	2823
Ratnagiri Dabhol	1257
TAPS (1,2,3,4)	1155
JINDAL	905
LANCO	368
NSPCL Bhilai	432
Korba	1868
SIPAT	1198
CGPL (Unit 1)	550
Gandhar	472
Kawas	408
KAPS	397

# Generation Projection – North-Eastern Region

Entity	Generation (MW)
AGTPP, NEEPCO	75
Doyang, NEEPCO	12
Kopili, NEEPCO	97
Khandong, NEEPCO	20
Ranganadi, NEEPCO	148
Kathalguri	184
Loktak, NHPC	37
Arunachal Pradesh	0
Assam	185
Manipur	0
Meghalaya	53
Nagaland	5
Tripura	75
Mizoram	2

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# Generation Projection – Southern Region

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Entity	Generation (MW)
Andhra Pradesh	5887
Karnataka	4107
Kerala	1047
Tamil Nadu	3890
Pondicherry	29
Ramagundam	2280
NEYVELI ( EXT) TPS	364
NEYVELI TPS-II	1227
NEYVELI TPS- II EXP	
Kaiga	589
Lanco Kondapalli	188
Simhadri	1268
SEPL (Unit -1)	101
Talcher (Stg II)	1724
TNWIND	
KA-WIND	