



National Load Despatch Centre  
पाँवर सिस्टम ऑपरेशन कारपोरेशन लिमिटेड  
POWER SYSTEM OPERATION CORPORATION LIMITED  
(A wholly owned subsidiary of POWERGRID)

B-9, QUTUB INSTITUTIONAL AREA, KATWARIA SARAI, NEW DELHI -110016

Ref: POSOCO/NLDC/SO/Weekly Report

Date: 14<sup>th</sup> May 2015

To ,

1. महाप्रबंधक, पू. क्षे. भा. प्रे. के., 14, गोल्फ क्लब रोड , कोलकाता - 700033  
General Manager, ERLDC, 14 Golf Club Road, Tolleygunge, Kolkata, 700033
2. महाप्रबंधक, ऊ. क्षे. भा. प्रे. के., 18/ ए , शहीद जीत सिंह सनसनवाल मार्ग, नई दिल्ली - 110016  
General Manager, NRLDC, 18-A, Shaheed Jeet Singh Marg, Katwaria Sarai, New Delhi – 110016
3. महाप्रबंधक, प. क्षे. भा. प्रे. के., एफ-3, एम आई डी सी क्षेत्र , अंधेरी, मुंबई - 400093  
General Manager, WRLDC, F-3, M.I.D.C. Area, Marol, Andheri(East), Mumbai-400093
4. महाप्रबंधक, ऊ. पू. क्षे. भा. प्रे. के., डोंगतिह, लोअर नॉग्रह , लापलंग, शिलोंग - 793006  
General Manager, NERLDC, Dongteih, Lower Nongrah, Lapalang, Shillong - 793006, Meghalaya
5. कार्यपालक निदेशक, द. क्षे. भा. प्रे. के., 29, रेस कोर्स क्रॉस रोड, बंगलुरु - 560009  
Executive Director, SRLDC, 29, Race Course Cross Road, Bangalore-560009

Sub: Weekly Status Report 04<sup>th</sup> May 2015 to 10<sup>th</sup> May 2015.

महोदय/Dear Sir,

आईईजीसी-2010 की धारा स.- 5.5.1 के प्रावधान के अनुसार, - 04<sup>th</sup> May 2015 to 10<sup>th</sup> May 2015, सप्ताह की अखिल भारतीय प्रणाली की ग्रिड निष्पादन रिपोर्ट राभाप्रेके की वेबसाइट पर निम्न लिंक पर उपलब्ध है :-

As per article 5.5.1 of the Indian Electricity Grid Code, the weekly status report pertaining power supply position report of All India Power System for the week 04<sup>th</sup> May 2015 to 10<sup>th</sup> May 2015, is available at the NLDC website, at the following link.

<http://www.nldc.in/attachments/article/267/Weekly%20040515%20to%20100515.pdf>

Thanking You.

Yours faithfully,



N. Nallarasan  
DGM (SO)  
NLDC

पॉवर सिस्टम ऑपरेशन कारपोरेशन लिमिटेड

राष्ट्रीय भार प्रेषण केंद्र, नई दिल्ली

साप्ताहिक रिपोर्ट (20 अप्रैल से 26 अप्रैल -2015 तक)

रिपोर्टिंग तिथि:- 14-May-15

(आई० ई० जी० सी० की धारा संख्या-5.5.1 के अंतर्गत)

1. अधिकतम मांग आपूर्ति और अधिकतम कमी (मे०वा०)

दिनांक	उत्तरी क्षेत्र		पश्चिमी क्षेत्र		दक्षिणी क्षेत्र		पूर्वी क्षेत्र		पूर्वोत्तर क्षेत्र		कुल	
	अधिकतम मांग आपूर्ति (मे०वा०)	अधिकतम कमी (मे०वा०)	अधिकतम मांग आपूर्ति (मे०वा०)	अधिकतम कमी (मे०वा०)	अधिकतम मांग आपूर्ति (मे०वा०)	अधिकतम कमी (मे०वा०)	अधिकतम मांग आपूर्ति (मे०वा०)	अधिकतम कमी (मे०वा०)	अधिकतम मांग आपूर्ति (मे०वा०)	अधिकतम कमी (मे०वा०)	अधिकतम मांग आपूर्ति (मे०वा०)	अधिकतम कमी (मे०वा०)
04-05-2015	39969	2253	41049	268	32124	1360	15928	350	2068	177	131138	4408
05-05-2015	39668	2914	41374	373	33817	1459	15967	900	1794	457	132620	6103
06-05-2015	40439	3093	41989	414	31877	1704	16626	504	1889	323	132820	6038
07-05-2015	40189	3704	42244	234	33992	1669	16766	510	1864	328	135054	6445
08-05-2015	41149	3813	41665	339	33244	1396	16647	300	2005	214	134710	6062
09-05-2015	41866	3673	41665	339	33141	1526	16718	260	2041	194	135430	5992
10-05-2015	39634	2913	39145	459	31909	1442	15753	395	2120	123	128561	5332

2. ऊर्जा आपूर्ति और पनबिजली उत्पादन (मि०वू०)

क्षेत्र / तिथि	उत्तरी क्षेत्र		पश्चिमी क्षेत्र		दक्षिणी क्षेत्र		पूर्वी क्षेत्र		पूर्वोत्तर क्षेत्र		कुल	
	ऊर्जा आपूर्ति (मि०वू०)	पनबिजली उत्पादन (मि०वू०)	ऊर्जा आपूर्ति (मि०वू०)	पनबिजली उत्पादन (मि०वू०)	ऊर्जा आपूर्ति (मि०वू०)	पनबिजली उत्पादन (मि०वू०)	ऊर्जा आपूर्ति (मि०वू०)	पनबिजली उत्पादन (मि०वू०)	ऊर्जा आपूर्ति (मि०वू०)	पनबिजली उत्पादन (मि०वू०)	ऊर्जा आपूर्ति (मि०वू०)	पनबिजली उत्पादन (मि०वू०)
04-05-2015	881	211	985	47	778	70	330	44	32	8	3006	380
05-05-2015	891	210	977	55	784	79	347	41	33	7	3031	393
06-05-2015	915	235	987	42	791	68	352	40	34	6	3080	391
07-05-2015	915	252	1003	43	801	71	362	39	33	7	3113	411
08-05-2015	958	272	999	38	809	69	358	39	33	8	3157	425
09-05-2015	984	280	999	38	795	71	354	36	36	7	3169	431
10-05-2015	964	288	949	36	758	68	353	37	38	6	3062	435

3. आवृत्ति (प्रतिशत समय में)

तिथि	49.8-49.9	<49.9	49.9-50.05	>50.05	Average	FVI
	ऑ० ई० ग्रिड	ऑ० ई० ग्रिड	ऑ० ई० ग्रिड	ऑ० ई० ग्रिड	ऑ० ई० ग्रिड	ऑ० ई० ग्रिड
04-05-2015	20.14	28.24	62.11	9.65	49.94	0.123
05-05-2015	28.76	42.36	49.59	8.04	49.91	0.181
06-05-2015	35.05	42.59	49.62	7.79	49.92	0.138
07-05-2015	24.88	29.02	63.31	7.67	49.94	0.095
08-05-2015	9.12	11.90	67.40	20.71	49.99	0.069
09-05-2015	15.80	18.45	62.66	18.89	49.98	0.089
10-05-2015	12.12	12.45	64.98	22.57	50.00	0.061

\*NEW & SR grid running in synchronisation.

4. NEW ELEMENTS COMMISSIONED

1) 765KV Moga-Meerut charged for the first time at 0258 hrs on 10/05/2015.

### 5. Maximum Demand Met during the day & Peak Hour Shortage in States (in MW)

Region	Date	04-05-2015		05-05-2015		06-05-2015		07-05-2015		08-05-2015		09-05-2015		10-05-2015	
	States	Max. Demand Met during the day	Peak hr Shortage	Max. Demand Met during the day	Peak hr Shortage	Max. Demand Met during the day	Peak hr Shortage	Max. Demand Met during the day	Peak hr Shortage	Max. Demand Met during the day	Peak hr Shortage	Max. Demand Met during the day	Peak hr Shortage	Max. Demand Met during the day	Peak hr Shortage
NR	Punjab	5935	0	6002	0	5947	0	5733	0	5978	885	7076	0	6826	184
	Haryana	6353	0	6050	413	6516	0	6771	0	6809	235	6940	0	6629	0
	Rajasthan	8243	0	8405	0	8146	0	8163	0	8707	0	8669	0	8778	0
	Delhi	4187	0	4539	0	4683	0	4928	0	5059	0	4730	0	4813	0
	UP	11795	3160	11928	2885	12062	2755	11616	3685	12564	2865	11870	3190	12037	3315
	Uttarakhand	1652	75	1693	110	1752	75	1686	135	1735	125	1846	75	1710	35
	HP	1138	0	1180	0	1191	0	1197	0	1208	10	1215	0	1117	0
	J&K	1862	404	1843	394	1837	404	1816	408	1749	408	1835	394	1817	363
Chandigarh	230	0	253	0	263	0	281	0	280	0	265	0	246	0	
WR	Chhattisgarh	3334	96	3512	96	3427	0	3469	96	3285	96	3285	96	3335	96
	Gujarat	13643	0	13599	0	13417	0	13100	0	13351	0	13351	0	12562	18
	MP	7025	0	7239	0	7243	0	7422	0	7202	0	7202	0	6916	0
	Maharashtra	19635	41	18736	656	19245	40	19780	68	19031	47	19031	47	17956	42
	Goa	437	0	441	0	425	30	425	0	435	0	435	0	387	0
	DD	288	0	305	0	293	0	287	0	289	0	289	0	271	0
	DNH	720	0	689	0	711	0	706	0	703	0	703	0	675	0
	Essar steel	388	0	380	0	411	0	360	0	423	0	423	0	404	0
SR	Andhra Pradesh	6136	0	6448	0	6404	0	6166	0	6478	0	6590	0	6400	0
	Telangana	5532	0	5604	0	5430	0	5733	175	5594	156	5388	137	5295	136
	Karnataka	8163	400	8393	300	7980	300	8010	400	8206	400	7900	300	7613	300
	Kerala	3100	200	3150	176	3335	125	3209	125	3046	155	3000	300	2869	144
	Tamil Nadu	12109	200	11894	984	11947	937	12805	200	11800	916	11930	896	11356	471
	Pondy	325	0	335	0	335	0	335	0	331	0	338	0	304	0
ER	Bihar	2696	250	2593	550	2833	100	2829	150	2959	200	2839	200	2973	100
	DVC	2399	0	2543	0	2480	0	2531	0	2700	0	2676	0	2615	0
	Jharkhand	882	0	834	0	965	0	931	0	940	0	923	0	1003	0
	Odisha	3491	0	3482	0	3458	200	3664	100	3714	0	3570	0	3563	0
	West Bengal	6867	0	7201	0	7198	0	7298	10	7056	0	7217	0	6750	0
	Sikkim	86	0	101	0	127	0	113	0	91	0	88	0	73	0
NER	Arunachal Pradesh	98	6	102	2	94	1	101	1	107	1	105	0	99	0
	Assam	1152	144	1206	94	1214	117	1175	196	1212	103	1230	85	1237	86
	Manipur	136	6	131	11	139	1	136	2	137	1	128	2	137	1
	Meghalaya	266	2	268	0	216	4	217	3	264	1	279	1	273	2
	Mizoram	76	4	74	6	75	3	68	2	74	1	77	1	73	2
	Nagaland	99	5	86	18	108	2	97	4	99	2	95	0	105	3
	Tripura	249	3	230	19	244	2	181	9	213	2	220	3	219	1

## 6. Energy Consumption in States (MUs)

Region	States	04-05-2015	05-05-2015	06-05-2015	07-05-2015	08-05-2015	09-05-2015	10-05-2015
NR	Punjab	124.1	126.6	129.6	125.8	138.1	152.4	150.5
	Haryana	124.3	124.9	134.6	133.2	141.4	149.9	136.9
	Rajasthan	185.0	186.1	182.8	184.1	192.6	196.7	192.7
	Delhi	86.1	92.5	95.2	97.4	102.1	98.5	97.1
	UP	263.4	260.7	269.9	270.1	280.0	280.7	283.4
	Uttarakhand	33.7	34.5	36.2	36.9	37.1	39.0	37.0
	HP	23.4	24.6	25.1	25.3	25.6	25.8	23.9
	J&K	36.6	35.7	36.8	36.4	35.7	35.0	37.4
Chandigarh	4.7	4.9	5.2	5.4	5.6	5.4	5.1	
WR	Chhattisgarh	76.1	79.9	79.6	79.6	80.4	80.4	78.9
	Gujarat	299.4	298.7	296.6	300.1	299.3	299.3	283.8
	MP	150.8	152.4	154.8	154.5	156.5	156.5	150.5
	Maharashtra	418.7	406.3	417.7	430.4	421.8	421.8	397.1
	Goa	9.4	9.1	7.5	9.4	9.6	9.6	8.3
	DD	6.4	6.4	6.2	6.5	6.6	6.6	6.2
	DNH	16.4	16.1	16.3	16.2	16.4	16.4	15.9
Essar steel	8.0	7.9	8.5	6.6	8.9	8.9	8.4	
SR	Andhra Pradesh	142.1	142.9	144.4	142.9	147.6	145.3	145.4
	Telangana	124.4	119.0	122.3	125.8	128.6	126.4	121.0
	Karnataka	170.6	172.8	170.6	174.7	179.3	172.1	164.1
	Kerala	62.1	62.3	64.4	64.2	63.2	62.2	57.0
	Tamil Nadu	271.4	279.9	282.2	286.6	283.1	281.6	264.1
	Pondy	7.3	7.2	7.3	6.6	7.2	7.3	6.8
ER	Bihar	55.3	55.3	59.1	60.8	58.7	60.4	60.0
	DVC	56.6	57.3	57.0	58.0	58.0	59.2	58.8
	Jharkhand	18.9	20.0	20.7	21.7	21.4	21.2	21.5
	Odisha	73.9	70.8	67.7	70.7	73.0	72.1	68.4
	West Bengal	124.1	141.9	145.8	149.2	145.4	140.4	142.6
	Sikkim	1.1	1.4	1.4	1.2	1.3	1.3	1.5
NER	Arunachal Pradesh	1.2	1.1	1.0	1.2	1.2	1.1	1.2
	Assam	19.3	19.0	21.9	20.1	20.5	22.9	24.0
	Manipur	1.7	1.8	2.3	2.2	2.1	1.9	2.3
	Meghalaya	4.1	4.7	3.9	3.8	3.4	4.4	4.1
	Mizoram	1.1	1.1	1.1	1.1	1.1	1.2	1.2
	Nagaland	1.9	2.3	1.8	1.7	1.8	2.1	1.9
	Tripura	2.9	3.2	2.3	2.8	2.5	2.8	3.0
<b>ALL INDIA TOTAL</b>		<b>3006.5</b>	<b>3031.4</b>	<b>3079.8</b>	<b>3113.3</b>	<b>3156.8</b>	<b>3168.5</b>	<b>3062.0</b>

पॉवर सिस्टम ऑपरेशन कारपोरेशन लिमिटेड  
राष्ट्रीय भार प्रेषण केंद्र, नई दिल्ली

साप्ताहिक रिपोर्ट (20 अप्रैल से 26 अप्रैल -2015 तक) [ ]  
(आई० ई० जी० सी० की धारा संख्या-5.5.1 के अंतर्गत)

7. अंतर्क्षेत्रीय विनिमय [प्रथम क्षेत्र से द्वितीय क्षेत्र को आयात (+) / निर्यात (-) ]

दिनांक	04-05-2015	05-05-2015	06-05-2015	07-05-2015	08-05-2015	09-05-2015	10-05-2015
East to North	-24.0	-23.0	-25.6	-16.6	-25.0	-22.5	-22.0
East to West	-19.6	-18.7	-12.9	-8.5	-8.0	-10.7	-14.2
East to South	-66.0	-61.0	-61.5	-60.7	-62.0	-61.4	-63.0
East to North-East	-5.0	-8.0	-11.2	-9.2	-6.0	-11.5	-11.0
West to North	-46.6	-51.4	-46.8	-48.6	-43.9	-42.9	-43.7
West to South	-39.0	-35.7	-36.1	-29.6	-31.8	-32.3	-37.3

भूटान , नेपाल एवं बांग्लादेश के साथ अंतरराष्ट्रीय विद्युत विनिमय INTERNATIONAL EXCHANGE WITH BHUTAN, NEPAL AND BANGLADESH								
साप्ताहिक रिपोर्ट (20 अप्रैल से 26 अप्रैल -2015 तक)☺								
अंतरराष्ट्रीय विद्युत विनिमय [भारत से दूसरे देश को आयात (+) / निर्यात (-)] Transnational Exchange from India (Import=(+ve) /Export =(-ve))								
दिनांक Date	भूटान BHUTAN		नेपाल NEPAL			बांग्लादेश BANGLADESH		
	Energy Exchange (In MU)	Day Average (MW)	Energy Exchange (In MU)	Day Peak (MW)	Day Average (MW)	Energy Exchange (In MU)	Day Peak (MW)	Day Average (MW)
04-05-2015	16.3	678	-3.2	-180	-134	-11.2	-469	-468
05-05-2015	13.6	565	-3.3	-176	-136	-11.2	-471	-465
06-05-2015	12.2	509	-3.3	-200	-138	-11.3	-471	-470
07-05-2015	10.6	441	-3.7	-205	-153	-10.5	-461	-437
08-05-2015	10.6	442	-3.5	-189	-146	-11.3	-455	-470
09-05-2015	10.6	443	-4.0	-219	-165	-10.9	-461	-455
10-05-2015	11.7	487	-3.9	-196	-163	-10.9	-467	-454
कुल Total	85.6		-24.8			-77.2		

**8). Major Grid Incidences(Provisional):-**

Region	Name of Element	Owner / Agency	Outage		Revival		Outage Duration Time	Event	Generation Loss(MW)	Load Loss	Category as per CEA Grid
			Date	Time	Date	Time					
WR	1)400 KV Chandrapur(2)-Warora-I 2)400 KV Chandrapur(2)-Warora-II 3)400kV Wardha-Warora-I 4)APML Tirora unit-3 5)APML Tirora unit-5 6)Chandrapur unit-4 7)Wardha-Mouda-II 8)Mouda unit-1	PG/MSEB/APL	4/5/2015	21:50	4/5/2015	23:00	1:10	Severe rains and inclement weather prevailed at C'pur, Warora and Wardha areas. C'pur-Warora-I tripped at both ends on R-ph fault and C'pur-Warora-II tripped at C'pur end only on D/T. Warha-warora-I tripped at warora end only. With this Warora remained connected to Tirora only and entire generation of Tirora (2425MW injection) is evacuated through 765KV Tirora-Koradi-Akola II D/C and 765/400kV Akola II ICT. As per SPS scheme if power flow on Akola ICT is more than 2200MW for 500msec, one unit at Tirora 765KV (unit4 or unit5) trips and then if flow on Akola ICT is more than 1800MW for 500msec one of units-1,2 and 3 trips. As during this event the above conditions fulfilled and units -3 & 5 at Tirora tripped on SPS. C'pur-	1680		GD-I
WR	1)400kV Bableswar-Aurangabad(MS)-S/c 2)400kV Bableswar-Padghe-1 3)400kV Bableswar-Padghe-2 4)400kV Bableswar-Bhusawal-S/c 5)400kV Bableswar-Dhule-1 6)400kV Bableswar-Dhule-2 7)400kV Bableswar-Tapthithanda 8)400/220kV Bableswar ICT-1 9)400/220kV Bableswar ICT-2 10)400/220kV Bableswar ICT-3 11)400kV Aurangabad(MS)-Pune-1 12)400kV Aurangabad(MS)-Pune-2	PG/MSEB	5/5/2015	09:33	5/5/2015	11:45	2:12	R-Ph Bus Reactor CB Burst at 400kV Bableswar at 09:33hr of 5-May-2015 led to multiple line tripping from Bableswar. All Lines connected to 400kV Bableswar tripped at 09:33 hrs. It is reported that Wardha-Parli-D/c SPS operated total 7 times. SPS operated 5 times at 9:34Hrs and once at 10:37 and at 10:40hrs. Due to SPS operation Generation back down at Tiroda from 2226MW to 1884MW.			
NER	1) 132kV Silchar-Imphal-II 2) 132kV Silchar- Srikona I & II 3) 132kV Silchar- Badarpur I & II 4) 400/132 kv 4)ICT I & II at Silchar	PG	6/5/2015	19:02	6/5/2015	19:52	0:50	Due to Bus bar operation at 132kV Silchar,elements given in column C tripped.	85		GD-I
ER	1)400 KV Subhasgram-Sagardighi 2)400 KV Durgapur-Sagardighi-I&II 3)400 KV Bahrapur-Sagardighi-II	PG	8/5/2015	11:00	8/5/2015	12:07	1:07	Due to blasting of B-Ph CB POLE OF 400 KV SUBHASGRAM-SAGARDIGHI at SAGARDIGHI end,BUS-II differential operated at SAGARDIGHI end.			GI-II
WR	1) 400 kV Bableswar-Padghe-I 2) 400/220 kv ICT-I,II & III at Bableswar 3) 220 kV Bableswar-Ahmadnagar 4)220 kv Bableswar-Ranjangaon 5)220 kv Bableswar-Nasik-I	PG/MSEB	8/5/2015	22:58	9/5/2015	1:40	2:42	Due to Y-ph CT bust of 220kv BBLR - A'nagar - I (Jeur-khandke) , 220kv Busbar-I operated at Bableswar and elements given tripped.	410		GD-I
SR	1)220kV Madakathara-Areacode 2)220kV Madakathara-Shoranur 3)220kV Shoranur-Areacode 4)220kV Malaparamba S/s 5)220kV Nallanam S/s 6)220kV Kanhirode S/s 7)220kV Taliparamba S/s 8)220kV Mylati S/s	Kerala	9/5/2015	11:18	9/5/2015	11:52	0:34	As per FIR from KSEB, 220kV Thrissur-Areacode tripped on B-phase to earth fault and there is no provision for Auto-reclose in this line. 220kV Thrissur-Malaparamba was under shutdown. 220kV Thrissur-Shoranur line tripped on operation of overcurrent protection due to heavy overloading. This led to disruption of supply to substations in North Kerala. Nallalam was being partially fed from 220kV Kadakola-Kaniyampetta. Blackout had occurred in North kerala i.e., Complete outage of 220kV Mylaty, 220kV Taliparamba, 220kV Kanhirode, 220kV Vadakara and Shoranur substations	460		GD-I