



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: 29<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, Tollygunge, 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 नोंग्रह , 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 18<sup>th</sup> May 2015 to 24<sup>th</sup> May 2015.

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.- 5.5.1 के प्रावधान के अनुसार, - 18<sup>th</sup> May 2015 to 24<sup>th</sup> May 2015, सप्ताह की अखिल भारतीय प्रणाली की ग्रिड निष्पादन रिपोर्ट रा०भा०प्रे०के० 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 18<sup>th</sup> May 2015 to 24<sup>th</sup> May 2015, is available at the NLDC website, at the following link.

<http://www.nldc.in/attachments/article/267/Weekly%20118515%20to%20240515.pdf>

Thanking You.

Yours faithfully,

  
N. Nallarasah  
DGM (SO)  
NLDC

पॉवर सिस्टम ऑपरेशन कारपोरेशन लिमिटेड

राष्ट्रीय भार प्रेषण केंद्र, नई दिल्ली

साप्ताहिक रिपोर्ट (18 मई से 24 मई -2015 तक)

रिपोर्टिंग तिथि:- 29-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)
18-05-2015	41067	2576	41403	344	31155	1387	16653	65	2143	194	132421	4566
19-05-2015	32718	431	41275	203	31259	915	17677	100	2131	188	125060	1837
20-05-2015	39250	2032	42317	301	33644	1230	17180	400	2154	193	134545	4156
21-05-2015	40408	1935	40613	175	33709	1474	16721	300	2170	206	133621	4090
22-05-2015	41004	2119	39833	134	34807	1605	17227	409	2038	312	134909	4579
23-05-2015	40557	1059	41110	209	33938	1431	17441	584	1846	390	134892	3673
24-05-2015	40086	2368	40160	158	31493	1355	14792		2040	169	128571	4050

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)
	18-05-2015	934	283	992	42	696	52	351	45	36	8	3009
19-05-2015	920	292	997	36	732	52	361	46	39	9	3050	436
20-05-2015	881	304	994	68	758	57	372	47	39	9	3044	485
21-05-2015	954	304	1006	55	788	55	374	50	41	10	3163	473
22-05-2015	969	305	1002	58	816	62	377	47	37	9	3201	480
23-05-2015	975	300	990	51	811	63	375	43	31	7	3182	463
24-05-2015	951	300	959	48	777	61	369	47	31	8	3087	464

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
18-05-2015	7.55	8.81	67.11	24.09	50.00	0.056
19-05-2015	6.72	7.43	65.28	27.29	50.02	0.108
20-05-2015	8.63	10.53	63.83	25.64	50.00	0.063
21-05-2015	9.11	10.07	73.61	16.32	49.98	0.051
22-05-2015	14.72	16.30	69.17	14.54	49.97	0.068
23-05-2015	6.68	6.68	73.53	19.79	50.00	0.045
24-05-2015	7.60	7.89	65.69	26.41	50.01	0.068

\*NEW & SR grid running in synchronisation.

4. NEW ELEMENTS COMMISSIONED

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

Region	Date	18-05-2015		19-05-2015		20-05-2015		21-05-2015		22-05-2015		23-05-2015		24-05-2015	
	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	6247	0	6618	0	6639	0	6987	0	7079	0	7414	0	6874	0
	Haryana	6737	0	6687	0	6788	0	6932	0	6938	0	6753	0	6823	0
	Rajasthan	8878	0	9106	0	7509	0	7943	0	8189	0	8704	0	8506	0
	Delhi	5005	0	4942	0	4763	2	4946	20	5007	65	4964	0	5011	11
	UP	12404	3162	11989	2485	11705	3685	12057	3020	12353	3095	11852	3190	12119	3095
	Uttarakhand	1866	75	1819	40	1793	75	1807	80	1859	75	1598	150	1741	40
	HP	1215	0	1209	0	1311	0	1222	0	1210	0	1231	0	1130	0
	J&K	1883	377	1823	365	1822	364	1842	368	1834	367	1792	358	1872	374
Chandigarh	290	0	282	0	291	0	299	0	301	0	289	0	276	0	
WR	Chhattisgarh	3336	301	3435	96	3433	96	3214	0	3232	0	3327	0	3488	0
	Gujarat	13704	19	13524	0	13635	0	13880	0	13658	0	13446	38	12512	0
	MP	7193	0	6826	0	6757	0	7133	0	7233	0	7245	0	7130	0
	Maharashtra	19573	45	19023	73	19911	83	19281	101	18968	66	18647	46	18219	61
	Goa	424	0	422	0	411	0	431	0	417	0	403	0	388	0
	DD	291	0	302	0	298	0	281	0	288	0	286	0	267	0
	DNH	700	0	697	0	698	0	707	0	699	0	666	0	654	0
	Essar steel	437	0	355	0	402	0	406	0	458	0	460	0	445	0
SR	Andhra Pradesh	6182	0	6434	0	6501	0	6532	0	6662	0	6673	0	6554	0
	Telangana	5517	189	5691	200	5749	0	5737	200	5496	0	5816	200	5693	200
	Karnataka	6940	200	6914	300	7822	400	7839	300	8122	300	7874	400	7579	300
	Kerala	3374	0	3050	0	3465	0	3431	125	3446	125	3446	125	3249	175
	Tamil Nadu	9907	912	10511	915	11136	70	11480	969	12385	200	12240	977	11562	817
	Pondy	307	0	317	0	328	0	338	0	341	0	331	0	306	0
ER	Bihar	2774	50	3012	0	2803	350	2857	300	2791	100	2671	250	2691	100
	DVC	2667	0	2840	0	2767	0	2784	0	2805	0	2869	0	2681	0
	Jharkhand	968	0	1023	0	1006	0	960	0	1000	0	984	0	1058	0
	Odisha	3653	0	3744	0	3752	0	3658	0	3755	70	4177	200	3918	0
	West Bengal	7043	0	7524	0	7457	0	7402	0	7537	5	7459	0	6872	0
	Sikkim	86	0	86	0	86	0	81	0	67	0	91	0	65	0
NER	Arunachal Pradesh	109	1	98	6	99	6	107	3	95	6	101	0	107	1
	Assam	1235	130	1212	154	1258	149	1260	148	1147	270	1173	195	1181	121
	Manipur	148	2	134	6	126	7	138	2	134	6	94	1	131	3
	Meghalaya	278	2	278	0	283	0	278	2	277	0	249	1	263	2
	Mizoram	78	1	75	4	67	3	74	1	71	3	79	1	73	1
	Nagaland	104	7	101	4	99	5	100	4	101	5	105	1	104	2
	Tripura	231	1	241	0	232	10	253	1	222	6	225	8	217	1

## 6. Energy Consumption in States (MUs)

Region	States	18-05-2015	19-05-2015	20-05-2015	21-05-2015	22-05-2015	23-05-2015	24-05-2015
NR	Punjab	139.2	147.2	143.5	152.2	152.2	155.0	146.9
	Haryana	133.9	120.9	124.6	136.2	140.7	139.5	134.1
	Rajasthan	193.5	175.2	164.3	181.0	180.5	189.5	190.4
	Delhi	101.9	100.0	95.8	102.4	104.5	102.5	100.4
	UP	266.3	268.4	245.0	275.6	283.9	283.2	275.8
	Uttarakhand	38.9	39.7	39.2	38.2	38.1	37.7	36.6
	HP	25.6	26.0	26.7	26.0	25.3	26.1	23.7
	J&K	29.2	37.1	36.5	36.7	38.1	36.1	37.6
Chandigarh	5.6	5.7	5.7	5.8	5.8	5.6	5.2	
WR	Chhattisgarh	76.4	78.8	77.8	78.1	78.2	77.3	77.5
	Gujarat	297.9	299.0	299.7	302.1	301.3	294.4	283.0
	MP	153.3	149.8	139.4	154.0	154.9	154.2	148.0
	Maharashtra	425.9	429.8	436.4	431.0	426.3	426.0	411.1
	Goa	9.1	9.4	9.5	9.6	9.5	9.4	8.4
	DD	6.4	6.6	6.5	6.3	6.5	6.4	6.2
	DNH	15.8	16.0	16.0	16.4	16.1	12.5	15.3
Essar steel	7.6	7.5	8.2	9.0	9.3	9.6	9.7	
SR	Andhra Pradesh	137.3	147.3	144.5	148.3	157.2	152.7	149.6
	Telangana	123.1	127.0	131.4	131.2	133.3	130.1	125.8
	Karnataka	145.4	147.0	155.0	163.8	173.2	172.1	164.4
	Kerala	60.0	60.5	63.3	66.0	67.9	67.2	62.0
	Tamil Nadu	224.2	243.6	257.1	271.7	277.0	281.2	268.8
	Pondy	6.0	6.3	6.6	7.0	7.2	7.2	6.8
ER	Bihar	57.3	59.3	56.0	57.4	58.3	61.9	60.0
	DVC	60.8	61.3	63.8	62.5	62.5	61.8	62.0
	Jharkhand	21.2	22.2	22.9	22.3	23.0	22.6	21.6
	Odisha	70.5	71.3	76.1	72.9	73.7	74.4	82.4
	West Bengal	139.6	146.0	152.4	157.4	158.3	152.9	142.5
	Sikkim	1.3	1.3	1.1	1.1	1.2	1.3	1.0
NER	Arunachal Pradesh	1.3	1.2	1.1	1.3	1.2	1.1	1.2
	Assam	22.2	23.9	25.4	26.3	23.5	18.6	19.2
	Manipur	2.1	1.9	2.0	1.7	1.9	1.6	1.7
	Meghalaya	4.3	5.7	4.1	4.5	4.2	3.5	3.2
	Mizoram	1.2	1.3	1.3	1.2	1.2	1.2	0.9
	Nagaland	2.1	1.9	1.8	1.8	1.8	1.9	1.9
	Tripura	2.9	3.4	3.6	3.8	3.4	3.1	2.7
<b>ALL INDIA TOTAL</b>		<b>3009.3</b>	<b>3049.5</b>	<b>3044.4</b>	<b>3162.5</b>	<b>3200.9</b>	<b>3181.5</b>	<b>3087.6</b>

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

साप्ताहिक रिपोर्ट (18 मई से 24 मई -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	18-05-2015	19-05-2015	20-05-2015	21-05-2015	22-05-2015	23-05-2015	24-05-2015
East to North	-36.0	-32.0	-27.0	-31.0	-31.0	-31.0	-30.8
East to West	-9.2	-11.2	-11.6	-11.7	-12.1	-4.9	-7.7
East to South	-62.0	-65.0	-61.0	-59.0	-62.0	-64.0	-62.2
East to North-East	-6.0	-8.0	-9.0	-9.0	-7.0	-4.0	-3.6
West to North	-28.0	-27.0	-46.5	-49.3	-39.2	-31.4	-25.2
West to South	-30.3	-30.8	-28.9	-31.9	-36.1	-29.7	-32.7

भूटान , नेपाल एवं बांग्लादेश के साथ अंतरराष्ट्रीय विद्युत विनिमय INTERNATIONAL EXCHANGE WITH BHUTAN, NEPAL AND BANGLADESH								
साप्ताहिक रिपोर्ट (18 मई से 24 मई -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)
18-05-2015	17.6	734	-2.8	-134	-115	-10.6	-464	-443
19-05-2015	14.6	606	-3.0	-176	-126	-11.0	-455	-457
20-05-2015	14.8	615	-3.3	-151	-136	-11.3	-473	-471
21-05-2015	15.0	625	-3.1	-148	-130	-10.3	-455	-427
22-05-2015	15.5	645	-3.4	-197	-142	-10.8	-457	-450
23-05-2015	14.1	589	-2.8	-161	-116	-10.9	-457	-454
24-05-2015	13.9	581	-2.6	-189	-109	-10.9	-455	-456
कुल Total	105.5		-21.0			-75.8		

## 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
			Date	Time	Date	Time					
SR	1) 400 kV Hasan-UPCL-I 2)400 kV Hasan-UPCL-II 3) UPCL Unit-II(500 MW)	Karnataka	18.05.15	20:30	18.05.15	21:07	0:37	400 kV Hasan-UPCL-I tripped due to O/V and 400 kV Hasan-UPCL-II tripped due to R-N fault.UPCL-II tripped due to loss of evacuation.	450		GD-I
NR	1) 400 kV Dhanonda-Daulatabad-D/c 2) 2 Filter Banks at Mahendargarh(150 MVAR each)	PG/Adani	19.05.15	13:39	19.05.15	19:47	6:08	Due to the tripping of line and HVDC Filter bank capacitor protection operated at Mundra-Mahendargarh Bipole causing power reduction from 2400 MW to 1650 MW.			GE
NR	1) 400 kV Ratangarh-Sikar-D/c 2) 400 KV Ratangarh-Merta 3) 400/220 KV ICT-I & II at Ratangarh	Raj/PG	19.05.15	13:47	19.05.15	19:58	6:11	Due to Busbar protection operation at Ratangarh, elemnts given in column C tripped.			GE
SR	1) 220 kV Peenya- Neelmangala-T/c 2)220 kV Peenya-Subramanyapura 3)220 kV Peenya--Hebbal 4)220 kV Peenya-NRS 5)220 kV Neelmangala-Anchnepalaya-1 6)220 kV Neelmangala-Dobasapet 7)220 kV Neelmangala- KB cross	KPTCL	19.05.15	17:53	19.05.15	18:06	0:13	Due to Heavy rain and lightning the tripping of elements given in column C took Place.		0.00	GD-I
ER	1) 220 kV Muzzafarpur(PG)-Hazipur-D/c 2) Total failure of Power at Chapra,Siwan& Hazipur	BSPHCL	20.05.15	03:00	20.05.15	05:00	2:00	Due to tripping of 220 kV Muzzafarpur(PG)-Hazipur-D/c on O/V ,total power failure occurred at Hazipur,Siwan & chapra and traction load was also affected.		0.00	GD-I
ER	1) 400 kV Jeypore-Gazuwaka-D/c 2) 400 kV Jeypore-Bolangir 3) 400 kV Jeypore-Indravati 4) 400 kv Indravati-Indravati(OPTCL) 5) HVDC Gazuwaka B/B Bipole 6) 220 kV Jeypore-Jayanagar-D/c 7) 400/220 kV ICT-I at Jeypore	GRIDCO/PG	21.05.15	09:24	21.05.15	12:36	3:12	All the 400KV lines emanating from 400KV Jeypore tripped alongwith both HVDC BTB blocks at Gazuwaka, At the same time, all the 220KV lines emanating from 220KV Theruvelli also tripped. On account of aforesaid tripping load loss and Generation loss in Odisha was observed.	150	0.00	GD-I
ER	1) 220 kv Budhipadar-IBTPS-Q/c 2) 220 kv Budhipadar-Vedanta-D/c 3) 220 kv Budhipadar-Katapalid/c 4) 220 kv Budhipadar-Tarkera-D/c 5) 220 kv Budhipadar-Korba-D/c 6) 220 kv Budhipadar-Raigarh 7) 220 kv Budhipadar-Adityapur(Birila)-D/c 8) 220 kv Budhipadar-Concast-D/c 9) 220 kv Budhipadar-Bhushan-D/c 10) All 132 kV Lines 11) IB Valley & Vedanta	GRIDCO/PG	21.05.15	18:07	21.05.15	18:53	0:46	Due to CT blast of 220kv Budhipadar-Raigarh line at Budhipadar bus fault at Budhipadar S/S took place. All 220& 132kv elements tripped from Budhipadar end.	750	0.00	GD-I
SR	1) 400/220 kV ICT-III,IV & V at Malayapalli	Telangana	21.05.15	23:33	22.05.15	00:29	00:56	Due to bursting of R-Phase Bus coupler CT at Malayapalli ,ICTs given in column C tripped.		0.00	GD-I
ER	1)220KV Lalmatia-Farakka 2)132 KV Lalmatia-Kahalgaon 3) All elements at 220 kV Lalmatia s/s	JSEB	22.05.15	11:53	22.05.15	14:02	2:09	220KV Lalmatia-Farakka tripped on B-N fault and 132 KV Lalmatia-Kahalgaon tripped on Y-B fault resulting in total power interruption at Lalmatia S/S.		0.00	GD-I
ER	1) 400 KV Binaguri- Rangpo - I 2)Teesta Unit-I,II & III	PG/NHPC	23.05.15	21:38	23.05.15	23:21	1:43	Due to tripping of 400 KV Binaguri- Rangpo - I on Y-N Fault all three running units of Teesta tripped on loss of evacuation.	504		GD-I
ER	1)132 KV Lalmatia-Kahalgaon 2) 132 KV Lalmatia-farakka	JSEB	23.05.15	19:37	23.05.15	23:33	3:56	Due to CT Blast at 132 kv lalmatia substation given elements got tripped.			GE
ER	1) 220 kv Tarkera-Budhipadar-II 2) 220 kv Tarkera- Rourkela D/c	GRIDCO	24.05.15	15:21	24.05.15	16:17	0:56	Due to tripping of given lines loads at Tarkera,Rourkela,Adhunik Metals & Traction Load at Chhend got disturbed.		0.00	GD-I
WR/SR/ER	1) HVDC Talcher-Kolar Bipole 2) 765 kV Solapur-Raichur-D/c 3) MEPL Unit-I 4) NCTPS St2 Unit-I 5) Raichur TPS Unit-8	PG/AP/KPCL	24.05.15	19:19	24.05.15	20:49	1:30	As per SER from Kolar station, Valve cooling tower fan fault alarm observed and three consecutive commutation failures were observed (Pole trips if there are 6 commutation failure consecutively within 1sec). Valve cooling tower fan tripped and fan could not re-start due to problem in control circuit.Due to tripping of Valve cooling tower fans the inlet temperature of valve cooling increased to trip level and both Poles tripped. Pole-1 got blocked and 2nd pole went to metallic return mode and aftersome time pole-2 also got blocked. SPS signal -1,2 of Talcher-Kolar HVDC got operated resulting in load shedding. The loss of HVDC Pole-1&2 generation loss at RTPS and at Krishnapatnam aggravated the situation and flow on 765kV	1200	1086	GD-I

\* Details are Provisional