



National Load Despatch Centre
पॉवर सिस्टम ऑपरेशन कारपोरेशन लिमिटेड
POWER SYSTEM OPERATION CORPORATION LIMITED

(A wholly owned subsidiary of POWERGRID)

CIN No.: U40105DL2009GOI188682

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

Ref: POSOCO/NLDC/SO/Weekly Report

Date: 3rd May 2016

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., डोंगतेह, 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 23rd May to 29th May 2016.

महोदय/Dear Sir,

आईईजीसी-2010 की धारा स.- 5.5.1 के प्रावधान के अनुसार, 23 मई से 29 मई 2016, सप्ताह की अखिल भारतीय प्रणाली की ग्रिड निष्पादन रिपोर्ट रांभांप्रेके 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 23rd May to 29th May 2016, is available at the NLDC website, at the following link.

<http://posoco.in/WebsiteData/Reports/WeeklyReports/2016-2017/Weekly%20230516%20to%20290516.pdf>

Thanking You.

Yours faithfully,

for DGM (SO)

पावर सिस्टम ऑपरेशन कारपोरेशन लिमिटेड

राष्ट्रीय भार प्रेषण केंद्र, नई दिल्ली

साप्ताहिक रिपोर्ट (23 मई से 29 मई - 2016 तक)

रिपोर्टिंग तिथि:- 3-Jun-16

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

1. अधिकतम मांग आपूर्ति और आधिकतम कमी (मे०वा०)

दिनांक	उत्तरी क्षेत्र		पश्चिमी क्षेत्र		दक्षिणी क्षेत्र		पूर्वी क्षेत्र		पूर्वोत्तर क्षेत्र		कुल	
	अधिकतम मांग आपूर्ति	आधिकतम कमी	अधिकतम मांग आपूर्ति	आधिकतम कमी	अधिकतम मांग आपूर्ति	आधिकतम कमी	अधिकतम मांग आपूर्ति	आधिकतम कमी	अधिकतम मांग आपूर्ति	आधिकतम कमी	अधिकतम मांग आपूर्ति	आधिकतम कमी
	(मे०वा०)	(मे०वा०)	(मे०वा०)	(मे०वा०)	(मे०वा०)	(मे०वा०)	(मे०वा०)	(मे०वा०)	(मे०वा०)	(मे०वा०)	(मे०वा०)	(मे०वा०)
23-05-2016	30469	468	42673	42	37180	200	16682	300	2221	163	129225	1173
24-05-2016	39309	965	41392	40	37223	178	17761	115	2280	141	137965	1439
25-05-2016	37110	442	41788	40	36575		14129	16	2012	368	131614	866
26-05-2016	41339	1010	43775	145	37415		17468	100	2357	136	142353	1391
27-05-2016	42896	504	42458	130	36340	43	16577		2299	153	140570	830
28-05-2016	39585	255	42829	31	34380		16336		2278	160	135408	446
29-05-2016	36348	1225	39622	9	33832	200	16974	17	2198	165	128974	1616

2. ऊर्जा आपूर्ति और पनबिजली उत्पादन (मि०यू०)

क्षेत्र / तिथि	उत्तरी क्षेत्र		पश्चिमी क्षेत्र		दक्षिणी क्षेत्र		पूर्वी क्षेत्र		पूर्वोत्तर क्षेत्र		कुल	
	ऊर्जा आपूर्ति	पनबिजली उत्पादन	ऊर्जा आपूर्ति	पनबिजली उत्पादन	ऊर्जा आपूर्ति	पनबिजली उत्पादन	ऊर्जा आपूर्ति	पनबिजली उत्पादन	ऊर्जा आपूर्ति	पनबिजली उत्पादन	ऊर्जा आपूर्ति	पनबिजली उत्पादन
	(मि०यू०)	(मि०यू०)	(मि०यू०)	(मि०यू०)	(मि०यू०)	(मि०यू०)	(मि०यू०)	(मि०यू०)	(मि०यू०)	(मि०यू०)	(मि०यू०)	(मि०यू०)
23-05-2016	912	293	1006	21	846	37	353	35	39	15	3156	401
24-05-2016	808	288	1025	31	892	43	359	33	43	15	3127	410
25-05-2016	907	269	1004	23	875	32	340	31	38	15	3163	371
26-05-2016	944	247	1013	25	876	43	359	38	40	16	3232	368
27-05-2016	989	237	1012	24	870	47	364	41	40	14	3274	364
28-05-2016	992	249	1015	26	827	34	347	38	41	15	3222	361
29-05-2016	810	244	986	13	788	43	345	44	40	16	2969	359

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
23-05-2016	2.00	2.00	53.02	44.98	50.04	0.071
24-05-2016	16.14	20.22	48.14	31.64	49.99	0.107
25-05-2016	2.58	2.58	64.91	32.51	50.02	0.039
26-05-2016	18.18	21.91	65.36	12.73	49.96	0.082
27-05-2016	17.57	19.10	72.29	8.61	49.96	0.064
28-05-2016	10.81	10.84	64.22	24.93	49.99	0.053
29-05-2016	1.01	1.01	52.72	46.27	50.04	0.064

*NEW & SR grid running in synchronisation.

4. NEW ELEMENTS COMMISSIONED

1. 400/220 kV 315 MVA ICT-II at Balipara was first time taken into service on 25.5.16 at 2245 hrs
2. 765 kV main bus-I at Ektuni was first time charged on 26.5.16 at 2357 hrs
3. 765/400 kV ICT-I at Ektuni was first time charged on 27.5.16 at 0105 hrs
4. 765 kV Bus Reactor at Ektuni was first time charged on 27.5.16 at 1753 hrs
5. 765 kV Akola-Ektuni was first time charged on 27.5.16 at 2004 hrs
6. Singareni unit 2 (600 MW) was first time synchronized on 28.5.16 at 2329 hrs

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

Region	Date	23-05-2016		24-05-2016		25-05-2016		26-05-2016		27-05-2016		28-05-2016		29-05-2016	
	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	6635	0	5966	0	6388	0	6631	0	6880	0	6729	0	6214	0
	Haryana	6892	0	5825	338	5998	0	6525	0	7198	0	6851	0	5210	0
	Rajasthan	9299	0	8723	93	8637	0	9392	0	9595	0	9599	0	9224	0
	Delhi	5569	0	5001	7	5203	0	5330	2	5425	0	5500	0	4594	0
	UP	14086	0	11193	1735	11576	0	12152	875	12676	1360	12873	430	10703	740
	Uttarakhand	1678	0	1743	0	1747	0	1840	75	1768	0	1710	0	1666	0
	HP	1172	0	1061	0	1183	0	1199	0	1248	0	1270	0	1045	0
	J&K	1720	430	1825	456	1885	471	1706	427	1799	450	1840	426	1765	441
Chandigarh	308	0	252	0	284	0	295	0	295	0	318	0	213	0	
WR	Chhattisgarh	3249	0	3384	0	3068	0	3127	0	3140	0	3177	0	3169	0
	Gujarat	13993	0	14412	0	13889	0	14655	0	14207	0	14316	0	13740	14
	MP	6995	0	7457	0	6952	0	7217	0	7255	6	7157	0	6773	0
	Maharashtra	19167	0	20016	0	19539	0	19506	0	18757	0	18736	0	18319	0
	Goa	472	0	475	0	462	0	451	0	460	0	452	0	418	0
	DD	306	0	310	0	322	0	291	0	320	0	319	0	297	0
	DNH	738	0	739	0	733	0	745	0	745	0	729	0	724	0
	Essar steel	537	0	579	0	649	0	534	0	524	0	536	0	504	0
SR	Andhra Pradesh	6677	0	6990	0	7021	0	7148	0	7200	0	6550	0	6308	0
	Telangana	6213	0	6290	0	6123	0	6258	0	6183	0	6144	0	5618	0
	Karnataka	8285	0	8389	0	8544	600	8625	600	8902	0	8539	0	7283	200
	Kerala	3766	0	3676	0	3529	0	3658	0	3481	0	3184	0	3228	0
	Tamil Nadu	13954	0	14049	0	14746	0	14431	0	14224	0	13651	0	12703	0
	Pondy	332	0	341	0	354	0	362	0	352	0	342	0	321	0
ER	Bihar	3489	0	3405	100	3305	0	3189	0	3097	0	2781	0	3113	0
	DVC	2712	0	2655	0	2900	0	2748	0	2594	0	2603	0	2671	0
	Jharkhand	1136	0	976	0	1062	0	982	0	1043	0	904	0	984	0
	Odisha	3558	0	3665	0	3588	0	3768	0	3742	0	3755	0	4215	0
	West Bengal	7286	0	7342	15	6837	16	7580	0	7399	0	7492	0	7156	0
	Sikkim	101	0	87	0	94	0	85	0	92	0	91	0	84	0
NER	Arunachal Pradesh	111	3	103	8	119	0	111	8	118	2	112	3	106	3
	Assam	1365	88	1451	74	1252	228	1441	82	1420	61	1441	65	1363	96
	Manipur	125	1	123	4	131	0	129	2	138	2	144	1	135	6
	Meghalaya	236	0	245	0	258	0	269	0	273	0	269	0	248	0
	Mizoram	77	2	81	2	83	0	83	0	82	3	80	5	67	2
	Nagaland	132	2	134	2	124	4	125	3	113	2	104	6	107	3
	Tripura	231	10	192	2	181	1	238	2	237	2	203	4	224	2

6. Energy Consumption in States (MUs)

Region	States	23-05-2016	24-05-2016	25-05-2016	26-05-2016	27-05-2016	28-05-2016	29-05-2016
NR	Punjab	144.2	124.1	140.4	147.5	155.5	149.3	131.3
	Haryana	105.9	95.2	123.1	129.4	138.9	136.0	95.9
	Rajasthan	197.5	182.6	191.8	196.8	203.9	212.7	196.4
	Delhi	104.9	98.5	103.1	107.5	113.8	111.5	93.8
	UP	265.9	213.1	241.3	253.9	278.4	285.0	202.8
	Uttarakhand	31.9	34.4	38.0	39.2	26.9	32.8	26.6
	HP	22.0	22.1	24.4	25.5	26.6	24.1	21.9
	J&K	34.4	33.0	39.4	38.2	39.2	35.1	37.2
Chandigarh	5.8	5.1	5.4	5.7	5.5	5.7	4.4	
WR	Chhattisgarh	71.1	73.4	69.7	70.8	69.8	69.0	69.9
	Gujarat	307.5	313.0	310.2	317.7	315.1	316.7	304.5
	MP	156.0	154.5	140.5	146.4	156.9	157.2	148.9
	Maharashtra	426.1	438.9	437.7	434.3	425.9	427.5	419.9
	Goa	10.4	10.2	10.2	10.1	9.9	9.8	9.5
	DD	6.8	6.9	7.1	6.5	7.1	7.1	6.6
	DNH	16.9	16.8	17.0	16.9	16.9	16.9	16.5
	Essar steel	11.2	11.0	11.3	10.6	10.9	11.1	10.3
SR	Andhra Pradesh	145.5	155.9	154.5	152.9	154.0	147.4	133.3
	Telangana	133.8	139.6	135.1	141.8	141.2	135.3	127.3
	Karnataka	191.2	198.8	185.7	189.4	186.1	177.0	166.1
	Kerala	71.7	73.6	70.2	69.2	69.2	64.9	74.3
	Tamil Nadu	296.9	316.4	321.8	315.1	311.8	295.4	280.1
	Pondy	7.0	7.2	7.6	7.7	7.7	7.2	7.0
ER	Bihar	72.1	60.2	55.6	61.5	62.1	49.7	50.9
	DVC	58.4	59.9	57.8	61.6	59.9	58.3	58.0
	Jharkhand	20.1	19.0	17.7	21.6	18.1	16.4	18.5
	Odisha	64.2	73.4	68.8	72.1	75.5	74.0	77.9
	West Bengal	137.0	145.8	139.0	141.0	146.8	147.0	137.9
	Sikkim	1.4	1.2	1.1	1.2	1.3	1.4	1.5
NER	Arunachal Pradesh	1.8	2.0	1.8	1.8	1.8	1.9	1.6
	Assam	24.6	27.7	23.3	25.3	24.1	24.9	25.8
	Manipur	1.6	1.7	1.7	1.8	1.7	2.0	1.8
	Meghalaya	4.2	4.4	4.6	4.9	5.2	5.2	5.2
	Mizoram	1.2	1.2	1.1	1.2	1.2	1.2	1.1
	Nagaland	1.6	1.7	1.8	1.4	1.6	1.5	1.4
	Tripura	3.7	3.9	3.2	3.4	3.9	3.8	3.3
ALL INDIA TOTAL		3156.3	3126.2	3163.1	3231.9	3274.4	3222.1	2969.4

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

साप्ताहिक रिपोर्ट (23 मई से 29 मई - 2016 तक) [2]
(आई० ई० जी० सी० की धारा संख्या-5.5.1 के अंतर्गत)

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

दिनांक	23-05-2016	24-05-2016	25-05-2016	26-05-2016	27-05-2016	28-05-2016	29-05-2016
East to North	-29.0	-34.4	-48.8	-43.9	-45.5	-41.4	-26.0
East to West	0.0	-15.2	-11.8	-6.4	-16.4	-16.7	-10.0
East to South	-51.0	-57.8	-55.8	-47.5	-59.5	-58.4	-49.0
East to North-East	-6.0	-0.5	0.2	-13.9	-4.1	-4.7	-7.0
North to North-East	0.0	0.0	3.1	3.1	11.4	5.8	6.2
West to North	-73.6	-73.6	-105.4	-108.8	-127.9	-112.3	-72.5
West to South	-71.9	-69.1	-63.9	-61.6	-61.0	-62.8	-60.6

**भूटान , नेपाल एव बाग्लादेश के साथ अंतरराष्ट्रीय विद्युत विनिमय INTERNATIONAL
EXCHANGE WITH BHUTAN, NEPAL AND BANGLADESH**

साप्ताहिक रिपोर्ट (23 मई से 29 मई - 2016 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			बाग्लादेश 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)
23-05-2016	8.6	358	-5.6	-324	-233	-13.1	-573	-547
24-05-2016	9.3	386	-4.7	-313	-195	-12.0	-538	-500
25-05-2016	9.3	387	-6.1	-308	-252	-12.0	-531	-500
26-05-2016	9.3	388	-4.6	-297	-191	-12.5	-539	-520
27-05-2016	8.1	336	-4.4	-329	-185	-12.3	-541	-513
28-05-2016	6.3	263	-4.5	-269	-187	-12.6	-545	-526
29-05-2016	10.0	415	-4.7	-276	-195	-12.9	-559	-538
कुल Total	60.8		-34.5			-87.5		

8). Major Grid Incidences (Provisional):-

S.No.	Region	Name of Elements	Owner / Agency	Outage		Revival		Outage Duration	Event	Generation Loss(MW)	Load Loss(MW)	Category as per CEA Grid
				Date	Time	Date	Time					
1	NR	1) 46 no. of 765 kV and 400 kV Lines in NR	All NR constituents	23.05.2016	15:00		continued till 24.05.2016		On 23rd May 2016, Northern Grid experienced demand crash due to thunder storm. The NR demand as a whole started decreasing from 15:00hrs in the afternoon. The demand of Haryana started decreasing after 14:00hrs whereas the demand of UP, Delhi started decreasing after 15:00hrs. Uttarakhand demand started reducing from 16:00hrs and Punjab's demand was low since morning hours. The Regional demand touched a minimum of 31893MW at around 16:42Hrs. This demand reduction resulted in slight increase in frequency and widespread high voltages throughout the system.	3960	16000	GI-II
2	NR	1) 765 kV Anta-Phagi-I 2) Unit-I & II kalisindh 3) Unit-I & II at Kawai	PG/RVUPNL /Adani	23.05.2016	19:40	23.05.2016	22:10	02:30	765 KV Anta-Phagi 2 tripped at 1905 Hrs. During the charging of above circuit at 1940 hrs it tripped along with two unit of Kawai. Generation loss approx. 900 MW. Kalisindh Unit 1 and 2 also got tripped.	900		GD-I
3	ER	1)400 KV GAYA-KODARMA D/C 2) 400 KV BIHARSARIFF-KODARMA D/C 3)400 KV KODARMA-BOKARO A D/C 4)315 MVA ,400/220 KV ICTS at KODARMA 5)315 MVA ,400/220 KV ICT at BOKARO A 6)Kodarma Unit-1	DVC	25.05.2016	08:53	25.05.2016	10:41	01:48	400 KV Koderma-Bokaro D/C tripped at 08:53 hrs due to snapping of Earthwire resulting in tripping of 400 KV Gaya-Koderma D/C, 400 KV Biharsharif-Koderma D/C, 315 MVA ICT at Koderma, 315 MVA ICT at Bokaro.	402	250	GD-I
4	ER	1) 400KV New Dubri-Mendhasal 2) 400KV Baripada-Mendhasal 3) 220KV Mendhasal-Nayagarh	OPTCL	25.05.2016	15:20	25.05.2016	16:35	01:15	Due to inclement weather all 400 kV lines emanating from Mendhasal tripped		500	GD-I
5	WR	1) 220 KV Akromota - Nakhtrana I 2) 220 KV Akromota - Nakhtrana 3) 220 KV Akromota - KLTPS 4) 220 KV Akromota - KLTPS	Gujrat	25.05.2016	22:32	25.05.2016	23:06	00:34	Tripping of lines 220KV Akromota-Nakhtrana 1&2 and 220 KV Akromota-KLTPS 1&2 at Akromota end. No breaker tripping at Nakhtrana end for both the lines resulted into Bus-I & II outage.	78		GD-I
6	SR	1) 400 kV Kolar-Hoody-II 2) 400 kV Hoody-Neelmangal-I & II 3) 400/220 kV ICT-I, II & III at Hoody	KPTCL	27.05.2016	08:08	27.05.2016	13:20	05:12	Due to 3-Phase fault 400 kV lines had tripped their respective ends at 12:42 hrs. In consultation with LDC all the 220kv side breakers were hand tripped for gradual restoration of power. On thorough physical inspection it is observed that fire had taken place outside switch yard fencing beneath and near terminal tower.			GI-II
7	ER	1)400 KV FARAKKA -BAHARAMPUR 2)400 KV FARAKKA -KAHALGAON-II 3) Farakka Unit-IV	NTPC/PG	27.05.2016	10:04	27.05.2016	11:51	01:47	Due to Y-Phase GT bushing burst at Farakka end units and lines got tripped.	500		GI-II
8	WR	1)400 kV Bus sectionaliser between Bus-4 and Bus-6 2)400/132 ICT-I at Vindhyachal 3)400kV Vindhyachal-Jabalpur-II 4)400kV Vindhyachal-Satna-II 5)Unit-8 at Vindhyachal 6) 400 kV Vindhyachal –Korba II	NTPC	27.05.2016	11:52	27.05.2016	12:52	01:00	Bus Sectionalizer between Bus-4 and Bus-6 tripped at Vindhyachal STPS (reason under investigation), but Bus sectionalizer between Bus-4 and Bus-2 remained intact. Along with this, 400kV feeders connected and ICT-I tripped. At the same time VSTPS unit-8 tripped on Buchholz relay operation.	450		GI-II

S.No.	Region	Name of Elements	Owner / Agency	Outage		Revival		Outage Duration	Event	Generation Loss(MW)	Load Loss(MW)	Category as per CEA Grid
				Date	Time	Date	Time	Time				
9	WR	1)400kv Dhule Bus 1 2)400kv Dhule (MSETCL) – Khandwa -2 3)400kv Dhule (MSETCL) – Bableshwar -1 4)ICT- 3 400/220 kV 5)400kv Dhule (MSETCL) – Dhule (BDTCL) - 2	MSETCL	28.05.2016	08:46	28.05.2016	11:10	02:24	At 400 KV Dhule Substation Main Bus-I zone 1 operated due to malfunctioning of 400 KV Bus Bar zone-1 (bus-1).			GI-I
10	NR	1)400kV Hisar-Kaithal 2)400kV Hisar-Fatehabad 3)400kV Hisar-Moga -II & III 4)400kV Hisar-Bhiwani(BBMB) 5)400kV Hisar-Bhiwani(PG)-2, 3	HVPNL/PG	29.05.2016	06:10	29.05.2016	07:55	01:45	Due to stormy weather 400kV Hisar-Kaithal, 400kV Hisar-Fatehabad, 400kV Hisar-Moga -II & III tripped. 400kV Hisar-Bhiwani(BBMB), 400kV Hisar-Bhiwani(PG)-2, 3 also tripped.			GI-II