



National Load Despatch Centre
पाँवर 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: 8th June 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., 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 30th May to 5th June 2016.

महोदय/Dear Sir,

आईईजीसी-2010 की धारा स.- 5.5.1 के प्रावधान के अनुसार, 30 मई से 05 जून 2016, 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 30th May to 5th June 2016, is available at the NLDC website, at the following link.

<http://posoco.in/WebsiteData/Reports/WeeklyReports/2016-2017/Weekly%20300516%20to%20050616.pdf>

Thanking You.

Yours faithfully,

DGM (SO)

पावर सिस्टम ऑपरेशन कारपोरेशन लिमिटेड

राष्ट्रीय भार प्रेषण केंद्र, नई दिल्ली

साप्ताहिक रिपोर्ट (30 मई से 05 जून - 2016 तक)

रिपोर्टिंग तिथि:- 8-Jun-16

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

1. अधिकतम मांग आपूर्ति और आधिकतम कमी (मे०वा०)

क्षेत्र	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)
30-05-2016	38255	939	43630	19	35847		16989	150	2280	174	137001	1282
31-05-2016	39282	1663	43480	213	36194		18111	300	2142	280	139209	2456
01-06-2016	42517	1142	42811	772	35725		17184	212	2288	134	140525	2260
02-06-2016	43240	2030	43605	572	36381	131	17880	250	2348	155	143454	3138
03-06-2016	45752	1010	42851	98	34327		17726	100	2346	143	143002	1351
04-06-2016	45855	602	43144	103	34866		17731	635	2325	191	143921	1531
05-06-2016	42124	446	39968	30	32100	225	17305	415	2212	120	133709	1236

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)
30-05-2016	826	252	1025	31	834	36	367	41	40	18	3092	378
31-05-2016	915	246	1037	39	847	36	372	51	38	18	3209	391
01-06-2016	979	260	1039	37	834	35	355	46	42	16	3248	394
02-06-2016	1026	289	1029	16	797	35	374	37	43	17	3269	396
03-06-2016	1078	302	1021	17	810	36	378	34	45	17	3332	405
04-06-2016	1092	299	1019	16	755	28	385	37	43	15	3294	395
05-06-2016	1074	301	958	14	723	23	380	40	41	16	3176	394

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
30-05-2016	8.17	8.37	76.41	15.22	49.99	0.039
31-05-2016	13.46	16.54	77.34	6.12	49.96	0.066
01-06-2016	18.10	19.40	70.42	10.19	49.96	0.065
02-06-2016	19.78	21.32	68.74	9.94	49.96	0.069
03-06-2016	13.78	15.68	75.11	9.21	49.96	0.058
04-06-2016	0.00	0.00	0.00	0.00	49.98	0.032
05-06-2016	5.65	5.65	77.77	16.59	50.00	0.032

*NEW & SR grid running in synchronisation.

4. NEW ELEMENTS COMMISSIONED

1. Power flow on HVDC BNC-Agra pole 2 commenced from 1550 hrs of 02.06.16

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

Region	Date	30-05-2016		31-05-2016		01-06-2016		02-06-2016		03-06-2016		04-06-2016		05-06-2016	
	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	5824	0	6098	0	6835	0	7010	0	7270	0	7264	0	7231	0
	Haryana	5624	0	6146	0	6842	0	7078	0	7394	0	7480	0	7266	0
	Rajasthan	9418	0	9347	0	9747	0	10160	0	9941	0	9807	0	9753	57
	Delhi	4192	0	4903	5	5209	0	5554	0	5759	0	5659	0	5651	0
	UP	12067	1120	11990	880	12624	1790	13291	2090	14828	0	14638	555	14330	0
	Uttarakhand	1690	75	1774	75	1819	75	1829	40	1930	40	1932	0	1924	0
	HP	1177	0	1266	0	1248	0	1231	0	1258	0	1230	0	1142	0
	J&K	1914	478	1957	489	1780	445	1740	435	1798	450	1780	445	1791	448
Chandigarh	252	0	278	0	314	0	324	0	346	0	346	0	293	0	
WR	Chhattisgarh	3181	0	3138	0	3367	0	3156	0	2993	0	3288	0	3184	0
	Gujarat	14658	5	14514	0	14478	0	14578	0	14822	0	14929	26	14075	0
	MP	7100	0	7367	0	7497	0	7616	0	7627	0	7623	0	7511	0
	Maharashtra	20451	0	19913	0	19701	0	19903	0	18900	0	18996	0	16664	0
	Goa	457	0	472	0	457	0	429	0	456	0	497	0	475	0
	DD	286	0	318	0	306	0	312	0	314	0	316	0	291	0
	DNH	707	0	718	0	714	0	714	0	738	0	732	0	734	0
	Essar steel	480	0	462	0	484	0	450	0	440	0	473	0	454	0
SR	Andhra Pradesh	6558	0	6767	0	7000	0	6566	0	6179	0	6100	0	5750	0
	Telangana	5939	0	6047	0	6082	0	5896	0	5837	0	5827	0	5324	0
	Karnataka	8012	0	8020	0	8153	0	8102	0	7983	300	7321	0	6655	200
	Kerala	3360	0	3310	0	3195	0	3358	0	3435	0	3396	0	3195	0
	Tamil Nadu	13469	0	13324	0	13923	0	13835	0	13943	0	13275	0	12125	0
	Pondy	345	0	349	0	341	0	341	0	353	0	334	0	303	0
ER	Bihar	3329	150	3345	300	3195	200	3280	250	3321	200	3217	300	3462	0
	DVC	2770	0	2804	0	2753	0	2541	0	2825	0	2870	0	2782	0
	Jharkhand	929	0	1056	0	1052	0	892	0	1073	0	1066	41	1014	0
	Odisha	4031	0	3859	0	3700	0	3591	0	3722	0	3727	0	3658	0
	West Bengal	6838	0	7495	0	7613	12	7995	0	7836	0	7649	0	7231	0
	Sikkim	95	0	95	0	91	0	94	0	93	0	90	0	84	0
NER	Arunachal Pradesh	107	2	102	2	102	2	100	2	95	5	108	2	116	3
	Assam	1420	85	1391	110	1414	75	1474	57	1471	63	1447	111	1398	50
	Manipur	140	1	139	2	138	3	138	2	149	1	132	3	138	2
	Meghalaya	270	0	262	0	272	0	297	0	263	0	279	0	219	0
	Mizoram	80	0	72	4	76	2	76	2	75	0	67	3	79	1
	Nagaland	95	10	101	7	96	6	98	4	99	3	96	2	106	0
	Tripura	244	0	226	3	236	0	253	0	264	1	255	11	219	0

6. Energy Consumption in States (MUs)

Region	States	30-05-2016	31-05-2016	01-06-2016	02-06-2016	03-06-2016	04-06-2016	05-06-2016
NR	Punjab	114.3	135.1	154.8	150.2	169.0	167.1	162.0
	Haryana	84.3	118.4	129.7	139.3	146.7	153.9	144.7
	Rajasthan	194.1	204.8	205.8	216.6	218.6	218.5	213.2
	Delhi	88.9	89.8	103.4	112.7	117.0	120.1	118.6
	UP	247.0	258.3	277.0	301.8	318.2	321.3	331.7
	Uttarakhand	33.9	38.4	39.3	40.6	41.1	42.0	39.5
	HP	24.5	26.4	26.5	26.4	26.7	26.7	23.2
	J&K	34.2	38.1	36.6	31.7	34.4	35.5	35.2
	Chandigarh	5.1	5.6	6.0	6.4	6.7	6.5	6.0
WR	Chhattisgarh	74.2	76.7	77.4	76.5	70.2	74.4	72.9
	Gujarat	318.0	318.6	316.0	318.0	320.9	322.2	306.2
	MP	150.4	158.5	165.3	167.6	169.7	168.5	167.0
	Maharashtra	440.0	440.3	436.7	425.3	417.7	411.2	369.6
	Goa	10.0	10.3	10.5	9.3	9.4	11.0	10.2
	DD	6.3	7.0	6.8	6.8	7.0	7.1	6.7
	DNH	16.2	16.3	16.4	16.4	16.9	16.1	16.8
	Essar steel	9.6	9.6	9.8	9.4	8.8	8.8	8.8
SR	Andhra Pradesh	151.3	148.1	147.9	131.1	138.6	121.7	123.2
	Telangana	134.5	137.1	136.6	133.1	125.7	115.5	114.0
	Karnataka	177.8	175.9	171.6	160.1	165.9	147.8	143.4
	Kerala	64.9	63.8	61.9	62.3	64.2	64.0	59.0
	Tamil Nadu	298.3	314.3	307.9	303.0	308.4	299.1	276.1
	Pondy	7.3	7.4	7.7	7.4	7.5	7.3	6.9
ER	Bihar	61.2	68.1	64.8	69.8	66.6	71.4	69.5
	DVC	60.6	62.5	55.4	56.8	61.7	63.5	62.2
	Jharkhand	18.4	18.3	15.8	19.1	22.3	22.7	22.8
	Odisha	83.8	77.8	76.8	76.1	69.7	70.3	76.4
	West Bengal	141.8	144.0	140.3	150.5	156.1	155.7	147.9
	Sikkim	1.5	1.4	1.6	1.5	1.3	1.2	1.3
NER	Arunachal Pradesh	1.8	1.7	1.7	1.8	1.8	1.7	1.7
	Assam	24.6	23.0	26.3	26.7	28.6	28.7	26.6
	Manipur	1.9	2.0	2.1	2.0	2.1	2.0	1.7
	Meghalaya	5.2	5.1	4.9	5.6	5.0	4.5	4.0
	Mizoram	1.3	1.3	1.4	1.2	1.2	1.1	1.1
	Nagaland	1.6	1.4	1.4	1.4	1.8	1.6	1.7
	Tripura	3.6	3.6	3.9	4.1	4.2	3.6	3.7
	ALL INDIA TOTAL	3092.4	3209.1	3247.9	3268.7	3331.9	3294.0	3175.2

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

साप्ताहिक रिपोर्ट (30 मई से 05 जून - 2016 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	30-05-2016	31-05-2016	01-06-2016	02-06-2016	03-06-2016	04-06-2016	05-06-2016
East to North	-33.3	-49.0	-44.6	-42.2	-44.1	-37.0	-38.8
East to West	-13.9	-27.0	-27.5	-15.1	-14.0	-16.0	-18.9
East to South	-51.4	-53.0	-51.1	-53.2	-53.0	-39.0	-47.4
East to North-East	-7.8	-5.0	-3.9	-3.6	-9.2	-2.1	2.9
North to North-East	8.9	8.9	5.6	0.0	0.0	2.5	0.0
West to North	-83.7	-126.3	-122.3	-126.7	-138.1	-132.2	-123.7
West to South	-64.2	-60.9	-60.9	-55.1	-50.8	-47.9	-50.4

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

साप्ताहिक रिपोर्ट (30 मई से 05 जून - 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			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)
30-05-2016	11.9	496	-4.7	-239	-195	-13.1	-559	-546
31-05-2016	11.5	480	-5.0	-263	-206	-13.1	-558	-545
01-06-2016	13.9	580	-5.3	-281	-222	-12.8	-561	-534
02-06-2016	11.0	458	-5.4	-279	-224	-12.9	-551	-538
03-06-2016	8.9	371	-6.9	-286	-285	-13.0	-555	-541
04-06-2016	6.3	260	-5.4	-224	-226	-12.9	-563	-536
05-06-2016	7.2	301	-4.6	-245	-190	-13.1	-574	-546
कुल Total	70.7		-37.2			-90.9		

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	Time				
1	ER/SR	1) HVDC Talcher-Kolar Pole-I	PG	30.05.2016	09:49	30.05.2016	11:45	01:56	Failure of main CT of AC filter (20C08A) occurred and it intern caused the operation of filter bank differential protection. HVDC Pole-1 got tripped on group Differential protection operation. Pole-2 went into metallic return mode after tripping of Pole-1. SPS (Trip signal-1) operated with total load relief of 869 MW.		869	GI-II
2	ER/NR	1) HVDC Pusauli 2) 400/220 kV ICT-I & II at Pusauli 3) 220 kV Lines from Pusauli	PG/BSPHCL	30.05.2016	15:56	30.05.2016	16:20	00:24	Due to tripping of 400/220 kV ICT-I & II at Sasaram, all 220 kV lines from Sasaram and Back to back HVDC tripped. ICT –I tripped due to PRD(Pressure Release device) operation and was carrying 250 MW.before tripping, this led to overloading of ICT-II and it also tripped on overcurrent. Due to loss of Auxiliary Supply resulting from ICT trippings, HVDC Back To Back Pusauli tripped which was in HVDC mode with 500 MW towards NR. The ICTs tripping caused extensive load loss(approx.480 MW) in Bihar network due to tripping of 220 kV lines .		500	GD-I
3	ER/SR	1) 400 KV Jeypore-Gajuwaka D/c 2) HVDC Gazuwaka B/B	PG	30.05.2016	19:01	30.05.2016	19:47	00:46	400 KV Jeypore-Gajuwaka D/c tripped along with Block-1 and 2 at HVDC Gazuwaka. 400 KV Jeypore-Gajuwaka I tripped due to Y_N fault. At the same time, 400 KV Jeypore-Gajuwaka II opened from Jeypore end after DT was received.			GI-II
4	SR	1) 220kV VTPS-Podilli 2) 220 kV Bus-I at Vellore TPS 3) VTPS Unit-I,III,IV,V & VI		02.06.2016	00:42	02.06.2016	06:53	06:11	R phase to earth fault had occurred in 220kV VTPS-Podilli line. Breaker at VTPS end was under lockout and this resulted in operation of LBB protection and further leading to tripping of 220kV Bus-1 at VTPS. VTPS has a double main and transfer bus scheme. Hence all elements connected to Bus-1 (Unit-1, 4 and 5, Station transformer-4&5) got tripped with tripping of 220kV bus-1.Station transformer-3 got tripped due to overloading with tripping of station transformer 4&5. Unit-3 and Unit-6 connected to 220kV Bus-2 also got tripped during the incident due to tripping of auxiliaries which were being fed through Station transformer-4&5. Unit-2 was in service as auxiliaries were being fed from station transformer-1.		750	GD-I
5	ER	1) 400 KV JSPL-Meramundali-I 2) 400 KV Angul-Meramundali-D/c 3) 400 KV Talcher-meramundali 4)315 MVA , 400/220 KV ICT-I at Meramundali 5) JITPL U# 1	OPTCL/JITPL	02.06.2016	19:08	02.06.2016	19:38	00:30	400 KV JSPL -MERAMUNDALI-I tripped on Y-B FAULT at 19:08 HRS during heavy lightening and storm with approx 20 KA fault current recorded at Meramundali end. 400 KV ANGUL-MERAMUNDALI D/C & 400 KV TALCHER- MERAMUNDALI OVEREACHED THE FAULT RESPECTIVELYFROM ANGUL/TALCHER ENDS IN Z2 . 315 MVA , 400/220 KV ICT-I ALSO TRIPPED AT 220 KV SIDE ON DIRECTIONAL O/C. JITPL U# 1 WITH GENERATION OF 450 MW TRIPPED AT SAME TIME WHEN ID FAN WENT OUT DUE TO SEVERE AUX. SUPPLY VOLTAGE DIP. 400 KV MERAMUNDALI WAS FED FROM GMR (350 MW) .		400	GD-I

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				
6	WR	1) 400 kV Satpura-ISP S/C 2) 400 kV ISP-Nagda S/C 3)400 kV ISP-Indore-II 4) ISP Unit-VI(125 MW capacity)	MPPTCL	04.06.2016	12:17	02.06.2016	13:50	01:33	Outage on 400 kV ISP BUS I along with 400 kV Indore-ISP-I availed at 06:30 Hrs for maintenance works. At 12:17 Hrs while transferring the feeders onto BUS I after completing the outage the feeders 400 kV Satpura-ISP S/C, 400 kV ISP-Nagda S/C and 400 kV ISP-Indore-II tripped.One running unit at ISP also tripped.	100		GD-I