



National Load Despatch Centre
पावर 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: 30th 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 , लापालंग, 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 20th June to 26th June 2016.

महोदय/Dear Sir,

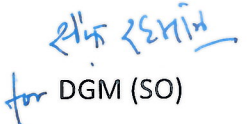
आई०ई०जी०सी०-2010 की धारा स.- 5.5.1 के प्रावधान के अनुसार, 20 जून से 26 जून 2016, सप्ताह की अखिल भारतीय प्रणाली की ग्रिड निष्पादन रिपोर्ट रा०भा०प्रे०के० की वेबसाइट पर निम्न लिंक पर उपलब्ध है :-

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 20th June to 26th June 2016, is available at the NLDC website, at the following link.

<http://posoco.in/WebsiteData/Reports/WeeklyReports/2016-2017/Weekly%200616%20to%20260616.pdf>

Thanking You.

Yours faithfully,


for DGM (SO)

पावर सिस्टम ऑपरेशन कारपोरेशन लिमिटेड

राष्ट्रीय भार प्रेषण केंद्र, नई दिल्ली

साप्ताहिक रिपोर्ट (20 जून से 26 जून - 2016 तक)

रिपोर्टिंग तिथि:- 30-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)
20-06-2016	46789	986	40866	259	34436		18672	200	2357	140	143120	1585
21-06-2016	46367	1099	41512	98	33954		17707	135	2398	129	141938	1461
22-06-2016	46087	910	42322	240	34073	200	18104	400	2340	136	142926	1886
23-06-2016	46991	729	40130	63	33141		18137	100	2372	130	140771	1022
24-06-2016	49353	1379	39630	57	34107		18948	100	2374	170	144412	1706
25-06-2016	49073	2015	38032	139	32950		18402	100	2361	179	140818	2433
26-06-2016	47394	1165	37281	157	31498	413	16627	300	2312	84	135112	2119

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)
20-06-2016	1164	327	951	20	764	39	389	60	40	22	3308	468
21-06-2016	1125	329	967	20	774	42	383	65	43	22	3291	478
22-06-2016	1078	323	952	15	759	33	376	52	42	22	3207	445
23-06-2016	1107	320	955	14	733	25	389	58	42	24	3226	440
24-06-2016	1156	322	928	10	748	30	390	60	43	26	3266	447
25-06-2016	1160	314	904	11	731	32	390	58	44	24	3228	438
26-06-2016	1140	302	890	9	700	29	385	53	43	22	3159	413

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
20-06-2016	6.84	7.62	79.71	12.67	49.99	0.039
21-06-2016	3.66	3.66	78.72	17.63	50.00	0.030
22-06-2016	2.07	2.07	70.95	26.98	50.02	0.032
23-06-2016	5.15	5.15	78.31	16.54	50.00	0.029
24-06-2016	8.34	8.87	78.39	12.74	49.99	0.037
25-06-2016	9.58	12.21	72.41	15.38	49.98	0.056
26-06-2016	6.59	7.55	74.81	17.64	49.99	0.042

*NEW & SR grid running in synchronisation.

4. NEW ELEMENTS COMMISSIONED

NIL

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

Region	Date	20-06-2016		21-06-2016		22-06-2016		23-06-2016		24-06-2016		25-06-2016		26-06-2016	
	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	10223	0	10412	0	9661	0	9460	0	10243	0	10528	0	10143	0
	Haryana	8276	12	8457	48	8408	0	8366	0	8625	0	8612	109	8381	0
	Rajasthan	9896	0	8704	65	9563	0	9278	0	9042	0	9108	0	8595	0
	Delhi	5499	0	5555	38	5535	0	5392	12	5905	0	5905	0	5688	3
	UP	15433	0	14122	0	14240	0	13980	0	14108	620	14370	850	13454	2170
	Uttarakhand	1881	75	1797	40	1981	0	1888	75	1854	40	1913	75	1824	40
	HP	1244	5	1261	0	1269	0	1292	0	1287	0	1312	0	1189	0
	J&K	1830	458	1800	450	1799	450	1873	468	1826	457	1740	435	1659	415
Chandigarh	356	0	307	0	289	0	312	0	331	0	322	0	298	0	
WR	Chhattisgarh	2818	150	3275	0	3267	169	3146	0	2946	0	3056	0	3052	0
	Gujarat	14435	0	14596	0	14978	21	14707	0	14116	0	13681	0	12828	4
	MP	6492	14	6821	10	6666	0	6702	0	6559	0	6646	0	6432	0
	Maharashtra	17081	0	17634	42	17633	0	17437	0	17255	0	16171	0	15271	0
	Goa	424	0	395	0	402	0	433	0	422	0	436	0	365	0
	DD	311	0	319	0	315	0	308	0	312	0	303	0	284	0
	DNH	754	0	752	0	754	0	767	0	746	0	750	0	726	0
	Essar steel	469	0	579	0	523	0	517	0	504	0	491	0	516	0
SR	Andhra Pradesh	6050	0	6005	0	6193	0	6096	0	5920	0	5684	0	5700	0
	Telangana	5683	0	5841	0	5986	0	5794	0	5957	0	5648	0	5380	0
	Karnataka	7539	0	7366	0	7257	0	6658	0	6989	0	6794	0	6738	300
	Kerala	3189	0	3220	0	2835	0	3002	0	3061	0	3122	0	3024	0
	Tamil Nadu	13376	0	13671	0	13452	0	12813	0	13416	0	12721	0	11981	0
	Pondy	333	0	336	0	325	0	304	0	311	0	313	0	274	0
ER	Bihar	3326	100	3159	0	3224	0	3068	100	3463	100	3418	100	3327	100
	DVC	2758	0	2809	0	2632	0	2758	0	2676	0	2691	0	2706	0
	Jharkhand	1049	0	1090	0	990	0	950	0	938	0	1043	0	1086	0
	Odisha	3945	0	3952	0	4010	0	3767	0	4170	0	4065	0	4035	0
	West Bengal	8065	0	7933	0	7959	0	7972	0	7920	0	7985	0	7482	0
	Sikkim	92	0	89	0	89	0	92	0	96	0	90	0	76	0
NER	Arunachal Pradesh	97	5	102	6	92	8	100	5	100	5	99	5	120	1
	Assam	1489	54	1445	96	1417	116	1442	104	1463	104	1481	78	1422	33
	Manipur	141	1	139	3	142	0	132	5	150	2	146	5	135	5
	Meghalaya	275	0	290	0	275	0	283	0	268	0	289	0	253	0
	Mizoram	75	1	78	3	77	1	73	3	75	1	73	3	69	1
	Nagaland	101	4	101	5	99	1	101	4	102	3	98	5	101	2
	Tripura	251	1	258	1	246	2	250	0	267	2	255	2	252	3

6. Energy Consumption in States (MUs)

Region	States	20-06-2016	21-06-2016	22-06-2016	23-06-2016	24-06-2016	25-06-2016	26-06-2016
NR	Punjab	235.6	236.6	201.8	204.6	234.5	242.1	236.0
	Haryana	173.2	176.2	174.3	175.2	182.2	184.1	177.8
	Rajasthan	214.8	195.2	199.0	202.2	195.3	199.7	191.7
	Delhi	115.1	111.0	113.9	112.9	117.2	120.2	116.0
	UP	318.7	300.2	283.0	305.0	316.7	315.7	314.7
	Uttarakhand	41.1	39.8	41.9	40.5	41.6	39.9	39.7
	HP	25.8	26.9	25.7	26.8	27.8	17.3	26.0
	J&K	33.1	32.4	32.3	33.6	34.1	34.4	32.2
	Chandigarh	6.6	6.4	5.8	6.1	6.7	6.6	5.8
WR	Chhattisgarh	72.4	76.9	78.9	75.4	65.6	72.9	73.6
	Gujarat	311.6	313.6	298.2	306.7	306.2	298.5	283.9
	MP	146.1	143.0	140.4	142.8	141.3	136.6	141.1
	Maharashtra	378.2	389.9	391.8	386.5	372.5	353.5	350.8
	Goa	9.0	8.4	7.9	8.6	8.8	8.5	7.5
	DD	6.8	7.1	7.1	6.9	6.9	6.8	6.5
	DNH	17.1	17.4	17.5	17.6	17.3	17.2	16.8
	Essar steel	9.8	10.4	10.5	10.3	10.0	10.1	10.2
SR	Andhra Pradesh	126.2	132.7	133.8	134.8	136.2	132.1	125.2
	Telangana	121.0	125.9	126.1	127.7	126.4	120.8	111.9
	Karnataka	158.8	155.0	150.7	137.7	144.4	143.9	141.4
	Kerala	58.7	59.1	57.2	55.2	57.8	52.2	54.2
	Tamil Nadu	292.2	294.2	284.4	271.2	276.5	275.8	261.1
	Pondy	6.9	6.8	6.8	6.5	6.4	6.6	6.1
ER	Bihar	69.2	60.9	54.0	65.7	66.7	67.0	66.1
	DVC	64.1	63.8	61.8	59.6	60.7	61.2	61.5
	Jharkhand	20.7	21.0	18.3	17.5	18.4	19.7	21.0
	Odisha	72.0	76.9	79.7	78.5	79.7	79.9	80.8
	West Bengal	161.5	158.6	160.9	166.2	163.4	160.6	154.7
	Sikkim	1.4	1.5	1.5	1.8	1.5	1.3	1.2
NER	Arunachal Pradesh	1.5	1.5	2.1	1.9	1.8	1.8	1.9
	Assam	25.1	27.3	27.0	26.8	27.8	27.5	28.4
	Manipur	2.0	1.9	2.1	2.1	1.9	2.0	1.6
	Meghalaya	4.8	4.9	4.7	4.8	4.8	5.2	4.5
	Mizoram	1.2	1.3	1.3	1.2	1.2	1.2	1.2
	Nagaland	1.6	1.5	1.8	1.8	1.6	1.7	1.7
	Tripura	4.1	4.9	3.5	3.9	4.2	4.2	4.2
ALL INDIA TOTAL		3308.0	3290.9	3207.4	3226.4	3265.9	3228.8	3158.9

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

साप्ताहिक रिपोर्ट (20 जून से 26 जून - 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	20-06-2016	21-06-2016	22-06-2016	23-06-2016	24-06-2016	25-06-2016	26-06-2016
East to North	-62.2	-59.0	-55.0	-58.0	-70.0	-66.9	-58.4
East to West	-7.3	-3.0	-3.0	-6.0	-2.0	-6.1	-9.0
East to South	-59.4	-57.0	-57.0	-40.0	-46.0	-41.9	-38.2
East to North-East	8.9	3.0	2.0	-5.0	5.0	0.4	-6.8
North to North-East	0.3	5.1	5.3	0.0	7.4	6.2	11.5
West to North	-125.0	-109.7	-109.5	-119.8	-143.0	-150.5	-149.4
West to South	-50.0	-54.0	-52.0	-54.1	-43.0	-32.9	-44.8

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

साप्ताहिक रिपोर्ट (20 जून से 26 जून - 2016 तक) 2

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)
20-06-2016	26.5	1103	-5.4	-225	-223	-13.1	-564	-546
21-06-2016	32.4	1349	-4.4	-189	-183	-12.3	-570	-513
22-06-2016	31.5	1314	-4.7	-190	-195	-12.8	-564	-533
23-06-2016	31.6	1316	-5.0	-183	-208	-10.7	-560	-447
24-06-2016	29.2	1216	-4.3	-180	-179	-12.8	-548	-535
25-06-2016	27.6	1149	-2.8	-203	-118	-12.6	-546	-524
26-06-2016	21.8	907	-5.7	-236	-239	-12.7	-546	-530
कुल Total	200.5		-32.3			-87.1		

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	WR	1) 400 kV JP Nigrie-Satna-D/c 2) Unit-I & II at JP Nigrie(600 MW each)	JP	22.06.2016	13:18	22.06.2016	16:06	02:48	400 kV JP Nigrie-Satna-II tripped reportedly on R-N fault while Circuit-I tripped only from JP Nigrie end on DT receipt. The tripping of both the lines led to loss of evacuation lines for JP Nigrie Unit-I & II(600 MWcapacity each). This led to loss of approx.. 1200 MW generation in the Western Region.	1200		GD-I
2	WR	1) 765 kV Wardha-Aurangabad 2) 765/400 kV ICT-II at Wardha	PG	22.06.2016	20:03	22.06.2016	21:05	01:02	Due to Y-Phase LA blast at Wardha end line tripped while ICT tripped on PRD operation.			GI-II
3	ER/SR	1) HVDC Talcher-Kolar-Pole-II	PG	23.06.2016	05:28	23.06.2016	14:26	08:58	Talcher-Kolar HVDC Pole-2 got tripped on operation of PRD of Y-phase Converter transformer OLTC. Pole-1 went into metallic return mode after tripping of pole-2 with power flow increased immediately from 600MW to 1240MW. Talcher-Kolar SPS did not operate as condition was not met.			GI-II
4	ER/NR	1) 400kV Anpara-Sarnath 2) 400 kV Sarnath-Varanasi 3) 400 kV Sarnath-Azamgarh 5) 400 kV Sarnath-Pusauli 6) 400 kV Anpara-Mau 7) 400/220kV Saranath S/s Bus-I & II 8) 400 kV Sarnath-Anpara-IV 9) HVDC Sasaram B/B	PG	23.06.2016	15:37	23.06.2016	18:02	02:25	400kV Anpara-Sarnath-II tripped on Phase to Phase fault , but no protection operated at Saranath end, hence fault not cleared and resulted in opening of all 400kV lines from Sarnath end i.e 400kV Anpara-Sarnath, Sarnath-Varansi, Sarnath-Azamgarh, Sarnath-Pusauli, Anpara-Mau. 400/220kV Sarnath S/s went dark. 400kV Anpara-Mau, Anpara-Sarnath, Azamgarh-Sarnath, Sarnath-Varanasi are restored at 16:16 hrs,16:29hrs,16:24 hrs,16:58 hrs respectively. A sustained volatge dip for around 6 sec is observed from PMU profile. HVDC Sasaram tripped at 15:37 hrs due to power swing observed in 400 kV Sasaram-Sarnath line & at the same time 400 kV Sarnath-Anpara-IV tripped in Zone-3 fault.		750	GD-I
5	NR	1) 400/220 kV ICT-I,II & III at Bareilly 2) All 220 kV lines from Bareilly	PG	23.06.2016	18:13	23.06.2016	19:30	01:17	Aall three 400/220kV ICT at Bareilly along with all 220kV lines emanating from CB Ganj tripped due to bus fault at 220kV CB Ganj, resulting in tripping of all machines of Dhauliganga and Tanakpur.		550	GD-I
6	ER	1) 400/220 kV ICT-I,II & III at Biharsharif	PG	24.06.2016	00:15	24.06.2016	00:56	00:41	315 MVA ICT-3 at Biharshariff tripped from 220 kV side (BSPTCL side) due to fault in 220 kV Biharshariff-Begusarai-2 (B-N fault) and subsequently 315 MVA ICT-1 & 2 tripped due to overcurrent protection,causing power failure at Biharshariff of around 700 MW.		700	GD-I
7	NR	1) 400/220 kV ICT-I,II & III at Patiala	PG	24.06.2016	02:15	24.06.2016	03:15	01:00	Patiala ICT-3 (500 MVA) got tripped due to high winding temperature; while tripping it was carrying 413 MW. Due to tripping of this ICT-1 & 2 (315 MVA) also tripped on overloading; while tripping each one of them was carrying 262 MW.		1000	GD-I
8	WR	1) 400/220 kV Piranha Station 2) Loads in Gujarat	Gujarat	25.06.2016	19:45	25.06.2016	21:00	01:15	Delayed fault clearance occurred at 400/220 kV Pirana(PG) sub-station. Fault clearance was in around 700 ms. df/dt has operated at many places in Gujarat during the delayed fault clearance. ☒		800	GD-I
9	ER	1) 400/220 kV ICT-I,II & III at Biharshariff	PG	26.06.2016	07:28	25.06.2016	08:01	00:33	315 MVA ICT-I,II,III at Biharshariff tripped on back up overcurrent protection due to fault in 220 kv Biharsariff- Bodhgaya-II(R-N fault-Jumper of wave trap snapped at Biharshariff end).Tripping of said ICT'S caused power failure at Biharsariff, Begusarai, Fatua, Gaya and Bodhgaya.		675	GD-I