



**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: 27<sup>th</sup> 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., डोंगतिह, लोअर नोंग्रह , 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 16<sup>th</sup> May to 22<sup>nd</sup> May 2016.

महोदय/Dear Sir,

आईईजीसी-2010 की धारा स.- 5.5.1 के प्रावधान के अनुसार, 16 मई से 22 मई 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 16<sup>th</sup> May to 22<sup>nd</sup> May 2016, is available at the NLDC website, at the following link.

<http://posoco.in/WebsiteData/Reports/WeeklyReports/2016-2017/Weekly%20160516%20to%20220516.pdf>

Thanking You.

Yours faithfully,

for DGM (SO)

पॉवर सिस्टम ऑपरेशन कारपोरेशन लिमिटेड

राष्ट्रीय भार प्रेषण केंद्र, नई दिल्ली

साप्ताहिक रिपोर्ट (16 मई से 22 मई - 2016 तक)

रिपोर्टिंग तिथि:- 27-May-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)
16-05-2016	43384	1459	42307	10	32986		17599	262	1966	323	138242	2054
17-05-2016	45683	622	43950	573	33589	300	16441	42	1833	412	141496	1949
18-05-2016	46639	521	44546	80	30939		17775	200	2072	220	141971	1021
19-05-2016	46420	834	44582	58	32339	78	16686		2176	145	142203	1115
20-05-2016	45418	1190	42969	22	33184		17311	300	2192	148	141074	1660
21-05-2016	45867	1147	41248	150	35156	300	16025	300	1831	333	140127	2230
22-05-2016	44292	472	39756	123	33250		17287	210	2123	192	136708	997

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)
16-05-2016	1068	265	1058	41	753	25	370	54	30	14	3279	398
17-05-2016	1085	262	1064	27	753	26	374	54	32	15	3307	384
18-05-2016	1097	279	1068	22	706	27	378	48	32	16	3281	393
19-05-2016	1110	286	1058	23	701	31	380	35	38	17	3287	392
20-05-2016	1118	300	1030	21	699	24	352	40	38	16	3236	401
21-05-2016	1085	307	999	23	779	30	339	41	33	14	3234	415
22-05-2016	1075	303	968	17	781	30	342	39	33	16	3200	406

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
16-05-2016	4.94	4.94	78.89	16.17	50.00	0.031
17-05-2016	2.11	2.11	77.72	20.17	50.01	0.027
18-05-2016	5.93	5.97	70.02	24.00	50.01	0.041
19-05-2016	6.72	7.09	76.60	16.31	50.00	0.037
20-05-2016	4.03	4.25	70.87	24.88	50.01	0.041
21-05-2016	2.23	2.23	66.82	30.95	50.02	0.037
22-05-2016	2.81	2.81	67.85	29.34	50.02	0.043

\*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	16-05-2016		17-05-2016		18-05-2016		19-05-2016		20-05-2016		21-05-2016		22-05-2016	
	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	7101	0	7416	0	7293	0	7525	0	7707	0	7673	0	7395	0
	Haryana	7361	0	7678	0	7546	0	7508	0	7759	29	7887	0	7589	0
	Rajasthan	9327	0	9907	0	9922	0	10039	0	9921	0	9729	0	9457	0
	Delhi	5376	32	5562	13	5586	0	5986	0	6119	0	5771	0	5583	0
	UP	14026	2290	14379	600	14970	350	14769	385	14702	0	14001	940	14368	280
	Uttarakhand	1875	75	1868	75	1910	40	1938	75	1849	0	1875	75	1757	75
	HP	1239	0	1217	0	1169	0	1266	0	1248	0	1200	0	1168	0
	J&K	2137	534	2189	547	1981	495	1875	469	1882	471	1946	486	1699	425
Chandigarh	314	0	304	0	335	0	348	0	361	0	325	0	301	0	
WR	Chhattisgarh	3385	0	3267	0	3231	0	3457	0	3299	0	3171	0	2939	0
	Gujarat	14542	0	14590	0	14753	41	15142	37	14569	31	14396	5	12876	5
	MP	7822	0	8035	17	8064	0	8064	0	7844	0	7315	0	7361	0
	Maharashtra	19918	0	19598	409	20119	0	19303	0	18215	0	18536	0	17766	0
	Goa	450	0	476	0	472	0	472	0	461	0	471	0	424	0
	DD	301	0	308	0	312	0	288	0	313	0	310	0	284	0
	DNH	742	0	742	0	751	0	746	0	718	0	706	0	713	0
	Essar steel	518	0	560	0	548	0	574	0	534	0	585	0	555	0
SR	Andhra Pradesh	7021	0	6537	0	5888	0	5200	0	5600	0	6011	0	6385	0
	Telangana	5935	0	5977	0	5935	0	5913	0	5671	0	5889	0	5672	0
	Karnataka	8084	0	7932	600	7609	600	7190	0	7838	0	7661	0	7584	200
	Kerala	3274	0	3191	0	3475	0	3471	0	3482	0	3615	0	3536	0
	Tamil Nadu	10613	0	11621	0	11311	0	11515	0	12133	0	12897	0	12468	0
	Pondy	291	0	291	0	314	0	293	0	314	0	325	0	307	0
ER	Bihar	3461	250	3402	0	3175	0	3173	0	3176	300	3141	300	3369	0
	DVC	2695	0	2709	0	2669	0	2731	0	2845	0	2763	0	2581	0
	Jharkhand	913	0	856	0	1048	0	1049	0	1168	0	1106	0	1120	0
	Odisha	3725	0	3959	0	3909	0	3921	0	3432	0	3391	0	3625	0
	West Bengal	7728	12	6932	42	7668	0	7071	0	6825	0	6619	0	6720	0
	Sikkim	78	0	86	0	83	0	83	0	97	0	90	0	85	0
NER	Arunachal Pradesh	93	2	92	3	103	2	104	1	109	1	100	2	107	1
	Assam	1155	282	1152	267	1315	138	1347	94	1389	85	1178	227	1284	117
	Manipur	126	4	122	8	129	1	127	3	118	12	99	7	114	0
	Meghalaya	212	0	182	0	215	0	247	0	244	0	245	0	278	0
	Mizoram	79	1	74	1	74	1	78	2	79	1	52	4	72	0
	Nagaland	98	2	98	2	100	4	102	2	103	2	103	2	124	0
	Tripura	234	1	226	18	195	15	212	2	200	6	121	24	201	17

## 6. Energy Consumption in States (MUs)

Region	States	16-05-2016	17-05-2016	18-05-2016	19-05-2016	20-05-2016	21-05-2016	22-05-2016
NR	Punjab	163.2	169.1	169.8	172.5	174.4	178.2	171.9
	Haryana	150.8	150.3	152.4	157.3	159.9	159.2	153.3
	Rajasthan	201.8	210.6	216.1	219.0	218.1	210.6	207.6
	Delhi	110.9	114.4	116.8	122.3	126.2	120.5	112.2
	UP	323.7	325.8	329.3	325.4	328.6	303.7	323.5
	Uttarakhand	39.3	40.2	41.1	42.2	41.3	40.4	39.4
	HP	25.2	24.7	24.9	26.3	24.5	25.1	24.3
	J&K	46.9	43.5	40.0	38.5	38.2	40.6	37.1
	Chandigarh	5.7	6.1	6.3	6.7	6.4	6.4	6.0
WR	Chhattisgarh	78.6	74.7	74.4	78.8	77.5	71.4	69.5
	Gujarat	320.0	320.8	320.6	324.5	320.3	315.8	294.7
	MP	171.2	174.8	178.1	178.4	173.1	156.4	153.7
	Maharashtra	443.8	445.9	450.2	431.4	414.6	411.8	407.3
	Goa	10.0	12.7	10.4	10.1	10.3	9.9	9.1
	DD	6.6	6.8	6.9	6.5	6.9	6.9	6.5
	DNH	16.9	17.0	17.2	17.0	15.7	15.3	16.4
		Essar steel	10.8	11.7	10.3	11.7	11.3	11.1
SR	Andhra Pradesh	155.3	145.8	113.9	103.4	113.5	127.0	135.4
	Telangana	132.5	134.7	134.0	130.9	118.4	120.3	125.0
	Karnataka	174.1	177.2	156.8	149.0	145.1	180.9	177.6
	Kerala	61.6	61.7	64.2	68.5	64.0	68.0	66.5
	Tamil Nadu	224.0	228.2	231.4	243.6	251.2	276.0	269.4
		Pondy	5.1	5.4	6.1	5.5	6.4	6.6
ER	Bihar	66.3	66.6	57.9	64.3	66.4	61.7	70.6
	DVC	61.9	59.6	59.5	61.3	60.4	60.4	57.3
	Jharkhand	18.7	17.3	20.6	23.5	21.6	21.6	20.9
	Odisha	79.3	83.4	84.7	80.4	69.9	66.0	64.2
	West Bengal	143.0	145.7	154.7	149.3	131.9	127.7	128.1
		Sikkim	1.2	0.9	1.1	1.1	1.4	1.5
NER	Arunachal Pradesh	1.3	1.5	1.6	1.8	1.8	1.5	1.6
	Assam	16.9	18.2	19.8	23.7	24.2	21.2	20.2
	Manipur	1.7	1.6	1.8	1.9	1.9	1.6	1.7
	Meghalaya	3.5	3.4	2.9	3.8	4.1	4.3	4.3
	Mizoram	1.3	1.3	1.2	1.2	1.2	1.1	1.1
	Nagaland	1.4	1.6	1.8	1.8	1.5	1.4	1.8
		Tripura	3.8	4.0	2.9	3.3	3.2	1.7
<b>ALL INDIA TOTAL</b>		<b>3278.3</b>	<b>3307.2</b>	<b>3281.8</b>	<b>3286.9</b>	<b>3235.5</b>	<b>3233.9</b>	<b>3199.5</b>

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

साप्ताहिक रिपोर्ट (16 मई से 22 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	16-05-2016	17-05-2016	18-05-2016	19-05-2016	20-05-2016	21-05-2016	22-05-2016
East to North	-44.2	-47.7	-40.9	-47.2	-37.9	-37.0	-41.0
East to West	-24.2	-21.7	-12.1	-1.5	-9.4	-7.0	-4.0
East to South	-51.5	-53.4	-48.0	-54.2	-42.8	-50.0	-45.0
East to North-East	-1.1	-1.2	-13.4	-13.1	-9.7	-7.0	-3.0
North to North-East	-11.6	11.7	15.2	18.1	15.4	15.4	12.0
West to North	-116.2	-123.4	-125.6	-128.4	-136.8	-128.3	-114.1
West to South	-56.5	-53.5	-44.1	-42.1	-48.0	-68.6	-71.5

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

**साप्ताहिक रिपोर्ट (16 मई से 22 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)
16-05-2016	17.7	737	-6.5	-322	-272	-11.4	-556	-475
17-05-2016	17.9	747	-5.6	-325	-235	-11.4	-538	-474
18-05-2016	20.5	852	-4.3	-299	-178	-12.7	-552	-530
19-05-2016	9.6	401	-5.0	-319	-206	-12.3	-529	-513
20-05-2016	10.4	433	-4.8	-286	-201	-12.1	-532	-504
21-05-2016	13.5	563	-4.4	-260	-182	-7.7	-461	-321
22-05-2016	10.3	428	-4.6	-187	-193	-10.8	-553	-452
<b>कुल Total</b>	<b>99.9</b>		<b>-35.2</b>			<b>-78.5</b>		

### 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) 220 kV RAPP-B -RAPP-C 2) Unit-1 & 2 of RAPP-C(220 MW each) and Unit-1 & 2 of RAPP-B(220 MW each)	NPCIL/RVPN L	16.05.2016	01:42	20.05.2016	11:15		Due to failure of Y-Phase CT of 220 kV RAPP-B - RAPP-C line at 220 kV RAPP-B S/S Bus bar operated and subsequent tripping of all the lines emanating from 220 kV RAPP-B took place. This led to tripping of both Unit-1 & 2 of RAPP-C(220 MW each) and Unit-1 & 2 of RAPP-B(220 MW each) due to loss of 220 kV Power supply. Unit at RAPP -C are switched at 400 kV and auxiliary is drawn from 220 kV bus (through LILO of RAPP-B-Anta line at RAPP-C) [RAPP B- RAPP C section is very small] GTs at RAPP C can also provide full auxiliary supply but auxiliary supply is normally taken from 220 kV. On tripping of 220 kV breakers, auxiliaries automatically switch to supply from UATs (connected also to 400 kV through GTs). In this incident, reportedly, Anta-RAPP C line has tripped in Zone 2 from Anta and thus 220 kV supply to RAPP-C bus was lost but no breaker operation at RAPP-C and thus no switch over.	800		GD-I
2	WR	1) 400 kV KORBA-RAIPUR-IV 2) 400 kV KORBA(NTPC)-BHILAI-I 3) 400 kV KORBA(W)-BHILAI-I 4) 400 kV KORBA(NTPC)-BALCO 5) 400 kV KORBA-SIPAT-S/C 6) KORBA(E) Unit-V (120 MW) 7) KORBA EAST EXT(DSPM) Unit-I(250 MW)	Chattisgarh	17.05.2016	17:39	17.05.2016	21:28	03:49	Due to bad weather in Chattisgarh area, given lines tripped on distance protection and due to loss of evacuation lines the Korba units tripped.	350	500	GD-I
3	WR	1) 400 kV ISP-Indore-I & II 2) 400 kV ISP-Satpura 3) 400 kV ISP-Nagda 4) Unit-I & VII at ISP	MPPGCL	18.05.2016	02:21	18.05.2016	03:45	01:24	Due to R phase CVT blast of Bus - II at ISP and Bus bar protection of Bus - 1&2 operated and all emanating lines tripped.Generation loss of ISP around 218MW(unit-2 & unit-7) took place.	218		GD-I
4	ER	1) 132 kv Madhepura-Supaul D/c 2) 132 kv Purnea(BSEB)-Forbisgunj 3) 132 kv Purnea(PG)-Kishangunj	BSPHCL/Nepal	17.05.2016	20:50	17.05.2016	21:25	00:35	132 kv Madhepura-Supaul D/c tripped (inclement weather reported,relay indications awaited) and consequently 132 kv Purnea(BSEB)-Forbisgunj and 132 kv Purnea(PG)-Kishangunj tripped on overload causing power failure at Supaul,kataiya,Forbisgunj,Saharsa and power to Nepal at Duhabi also got interrupted.		200(120 to Nepal)	GD-I
5	WR/SR	1) 765 kV Solapur-Raichur-1 2) 765 kV Solapur-Raichur-2	PGCIL	18.05.2016	16:56	18.05.2016	17:43	00:47	765KV Solapur-Raichur-2 tripped on Y-N Fault at 16:56hrs and 765KV Solapur-Raichur-1 tripped on Y-N Fault at 16:57hrs. However SR Grid remained synchronized with NEW Grid through 400KV Kolhapur-Kudgi-D/C.			GI-II
6	NR	1) 400 kV Bawana-Mundaka-II	PGCIL	18.05.2016	17:32	18.05.2016	19:30	01:58	400KV Bawana-Mundka-2 tripped on three phase fault due to which induction machines (Motor), ACs (Self-starting) in nearby load tripped simultaneously. Total NR load dropped by about 3200MW (1200MW- Delhi, 1000MW- Haryana & 1000MW- UP) and frequency jumped from 50.05 to 50.44 Hz. All loads restored within 5 to 6 mins.		3200	others
7	WR	1)400kV Wonakwori-Dehgam 2)400KV Wonakwori-Soja 3)400KV Bus -II at Wonak wori	Gujarat	18.05.2016	22:07	18.05.2016	22:49	00:42	B-ph CT of tie bay of unit-6 & unit -7 burst at Wonakwori and Bus-2 bus bar protection operated at Wonakwori S/S and above element tripped. Unit- 6 & Unit -7 tripped (total gen 600MW).	600		GD-I
8	WR/NR	1) 220 kV Auraiya-Malanpur 2) 220 kV Gwalior-Malanpur	MPPCL	20.05.2016	11:38	20.05.2016	01:25	01:47	Given lines tripped due to CT Blast of 220 KV Malanpur-Gwalior Line at Malanpur end.			GI-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				
9	NR	1) 400 kV Baglihar-Kishenpur 1 2) Baglihar Units	J&K/PG	22.05.2016	17:11	22.05.2016	18:10	01:48	400 kV Baglihar-Kishenpur 1 tripped at 1711 Hrs on B-Y ph-ph fault leading to tripping of 450 MW generation at Baglihar. As per NLDC Scada , Ckt-2 also tripped at same time from Baglihar end only causing tripping of rest of 450 MW generation. Lines and units at Baglihar are arranged with a bus-splitting arrangement.	900		GD-I
10	NR	1) 400kV Jhakri-Panchkula-II 2) 400kV Jhakri-Rampur-II 3) Karcham Unit-II & IV, Jhakri Unit-III & V,Rampur Unit-I to V	NJPC/PG/JP Hydro	22.05.2016	21:07	22.05.2016	21:24	01:49	400kV Jhakri-Panchkula ckt 2 tripped at 21:07hrs on B-phase to earth fault and 400kV Jhakri-Rampur ckt-2 tripped on phase to phase fault.SPS logic of 2 line trip operated.Units at Karcham(2,4) and Jhakri(3,5) and 5 units at Rampur tripped.	1450		GD-I