



**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: 8<sup>th</sup> July 2016

To,

1. महाप्रबंधक, पू. क्षे. भा. प्रे. के., 14, गोल्फ क्लब रोड , कोलकाता - 700033  
General Manager, ERLDC, 14 Golf Club Road, Tolleygunge, 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. अपर महाप्रबंधक, द. क्षे. भा. प्रे. के., 29, रेस कोर्स क्रॉस रोड, बंगलुरु - 560009  
Additional General Manager, SRLDC, 29, Race Course Cross Road, Bangalore-560009

Sub: Weekly Status Report 27<sup>th</sup> June to 3<sup>rd</sup> July 2016.

महोदय/Dear Sir,

आईईजीसी-2010 की धारा स.- 5.5.1 के प्रावधान के अनुसार, 27 जून से 3 जुलाई 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 27<sup>th</sup> June to 3<sup>rd</sup> July 2016, is available at the NLDC website, at the following link.

<http://posoco.in/WebsiteData/Reports/WeeklyReports/2016-2017/Weekly%20270616%20to%20030716.pdf>

Thanking You.

Yours faithfully,

for DGM (SO)

पावर सिस्टम ऑपरेशन कारपोरेशन लिमिटेड

राष्ट्रीय भार प्रेषण केंद्र, नई दिल्ली

साप्ताहिक रिपोर्ट (27 जून से 03 जुलाई - 2016 तक)

रिपोर्टिंग तिथि:- 8-Jul-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)
27-06-2016	47810	1240	39341	125	33409	40	17535	155	2341	166	140436	1726
28-06-2016	48308	1645	39297	604	32854		18127	200	2380	156	140966	2605
29-06-2016	50208	1654	39549	356	33182	294	18458	150	2274	188	143671	2642
30-06-2016	51086	1640	40278	180	33313		18642	150	2419	126	145738	2096
01-07-2016	47567	452	37614	4	33962		18813	200	2328	166	140284	822
02-07-2016	40803	1138	38394	82	34160		17820	100	2225	243	133402	1563
03-07-2016	38832	647	36323	103	32744		16151		2194	237	126244	987

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)
27-06-2016	1149	323	920	9	739	33	392	54	44	22	3243	440
28-06-2016	1101	327	914	11	730	30	387	46	45	21	3178	435
29-06-2016	1171	325	893	18	702	44	389	47	46	21	3201	455
30-06-2016	1208	327	900	19	707	49	399	60	48	21	3261	476
01-07-2016	1150	313	889	10	732	44	392	53	44	22	3207	443
02-07-2016	932	271	879	18	742	37	386	71	42	24	2980	421
03-07-2016	890	314	834	12	725	34	351	69	38	27	2838	456

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
27-06-2016	5.00	5.21	75.95	18.84	50.00	0.034
28-06-2016	4.57	4.57	79.66	15.76	50.00	0.029
29-06-2016	6.37	7.45	73.95	18.60	50.00	0.042
30-06-2016	3.88	3.88	81.23	14.90	50.00	0.027
01-07-2016	1.90	1.90	78.17	19.93	50.01	0.028
02-07-2016	1.64	1.64	56.26	42.09	50.04	0.071
03-07-2016	2.48	2.89	58.80	38.31	50.03	0.045

\*NEW & SR grid running in synchronisation.

4. NEW ELEMENTS COMMISSIONED

1. 400 kV Ranchi-Chandwa-I and 400 kV Bus-I at Chandwa substation were first time charged on 28.06.16 at 1857 hrs and 1859 hrs respectively
2. At Kanpur (GIS), 1500 MVA ICT-I & II were first time charged on 28.06.16 at 2037 hrs and 2207 hrs respectively; 765 kV Bus reactor-II was first time charged on 29.06.16 at 0007 hrs; 765 kV Bus-I was first time charged on 30.06.16 at 2014 hrs; 765 kV Bus reactor-I was first time charged on 02.07.16 at 2147
3. 400 kV Jammalamadugu-Narnoor was first time charged on 29.06.16
4. 400/220 kV 500 MVA ICT-II at Baghpat was first time charged on no load on 30.06.16 at 1707 hrs
5. 400/220 kV 500 MVA ICT-III at Jallandhar was first time charged on load on 30.06.16 at 1603 hrs

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

Region	Date	27-06-2016		28-06-2016		29-06-2016		30-06-2016		01-07-2016		02-07-2016		03-07-2016	
	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	9770	0	9473	0	10324	0	10185	0	10230	0	8409	0	5982	0
	Haryana	8710	0	8313	26	8444	55	8665	86	8400	0	7104	0	6692	0
	Rajasthan	8488	0	8770	0	8743	0	8787	0	8632	0	8082	0	7756	0
	Delhi	5917	0	5731	0	5959	3	6156	0	6208	47	5397	0	4608	40
	UP	14126	2170	14946	0	15133	1060	15501	1060	14936	465	13395	525	13473	0
	Uttarakhand	1945	75	1945	75	1930	75	1889	40	1930	70	1655	0	1698	0
	HP	1281	0	1248	0	1330	0	1306	0	1249	0	1235	0	1092	0
	J&K	1819	455	1828	457	1819	455	1781	445	1675	419	1752	438	1762	441
	Chandigarh	330	0	313	0	343	0	349	0	338	0	243	0	237	0
WR	Chhattisgarh	2957	417	2819	0	3300	0	3398	0	3260	0	3016	0	2973	0
	Gujarat	13667	10	13562	0	12648	0	13033	5	12730	31	12658	0	11701	0
	MP	6559	0	6444	0	7020	0	6750	0	6236	0	6442	0	6026	0
	Maharashtra	16680	0	16707	0	15775	0	15974	7	15615	0	15595	0	14956	0
	Goa	406	0	431	0	385	0	413	0	392	0	425	0	382	0
	DD	302	0	304	0	312	0	304	0	283	0	292	0	279	0
	DNH	747	0	743	0	735	0	743	0	717	0	730	0	719	0
	Essar steel	516	0	533	0	594	0	577	0	590	0	556	0	590	0
SR	Andhra Pradesh	5366	0	5463	0	5456	0	5518	0	5581	0	6018	0	6078	0
	Telangana	5657	0	5469	0	5402	0	5332	0	5522	0	5505	0	5311	0
	Karnataka	7620	0	7100	0	6840	0	7008	0	7138	200	7098	0	6831	0
	Kerala	3039	0	3133	0	3212	0	3202	0	3293	0	3302	0	3159	0
	Tamil Nadu	13198	0	12510	0	13454	0	13254	0	13414	0	13618	0	12893	0
	Pondy	310	0	311	0	310	0	324	0	335	0	338	0	320	0
ER	Bihar	3402	0	3514	0	3671	150	3606	150	3742	200	3567	100	3376	0
	DVC	2617	0	2745	0	2922	0	2717	0	2650	0	2670	0	2625	0
	Jharkhand	1054	0	1027	0	999	0	1073	0	1128	0	1052	0	1092	0
	Odisha	4125	0	3957	0	4597	0	3928	0	3957	0	3841	0	3839	0
	West Bengal	7402	0	7669	0	7525	0	7912	0	7563	0	7196	0	6431	0
	Sikkim	93	0	92	0	89	0	92	0	90	0	91	0	83	0
NER	Arunachal Pradesh	107	4	109	4	111	2	92	10	89	4	91	1	96	1
	Assam	1463	100	1452	126	1421	133	1460	96	1430	131	1409	158	1472	94
	Manipur	139	6	125	5	107	5	147	0	135	1	127	5	129	1
	Meghalaya	254	0	268	0	255	0	288	0	283	0	264	0	252	0
	Mizoram	75	1	72	3	72	3	75	1	75	1	74	1	73	2
	Nagaland	99	4	105	5	108	3	119	0	104	2	97	4	97	4
	Tripura	255	1	263	0	217	25	258	0	238	1	236	1	207	3

## 6. Energy Consumption in States (MUs)

Region	States	27-06-2016	28-06-2016	29-06-2016	30-06-2016	01-07-2016	02-07-2016	03-07-2016
NR	Punjab	223.1	206.2	229.9	234.3	228.2	151.0	133.2
	Haryana	183.6	168.7	185.3	194.6	180.6	143.0	128.6
	Rajasthan	190.6	183.4	190.7	196.1	180.2	170.6	164.7
	Delhi	123.1	113.4	120.2	129.5	126.3	98.3	93.5
	UP	320.5	320.6	333.6	344.7	333.1	272.2	277.6
	Uttarakhand	42.4	42.4	42.0	40.9	37.9	33.2	33.6
	HP	27.1	26.6	28.5	27.6	26.3	26.1	22.5
	J&K	31.7	33.3	33.9	32.9	30.4	32.1	32.0
Chandigarh	6.7	6.3	6.7	7.0	6.6	5.1	4.4	
WR	Chhattisgarh	71.4	67.7	73.2	79.1	77.7	72.6	67.5
	Gujarat	298.1	298.4	283.1	279.6	284.1	280.1	265.8
	MP	142.0	137.4	142.0	146.0	140.3	140.9	131.8
	Maharashtra	366.4	367.7	351.3	351.3	344.3	342.3	327.0
	Goa	8.3	8.8	7.9	8.1	8.2	8.4	7.7
	DD	6.6	6.8	6.8	6.8	6.4	6.5	6.3
	DNH	16.9	16.7	17.0	16.9	16.5	16.5	16.5
	Essar steel	10.4	10.9	11.5	12.3	11.4	11.1	11.6
SR	Andhra Pradesh	125.3	121.0	112.9	115.7	120.9	125.0	128.3
	Telangana	118.6	114.3	115.8	107.7	117.5	119.0	117.3
	Karnataka	151.5	148.9	135.3	139.6	140.2	138.5	136.4
	Kerala	58.3	57.7	58.2	58.1	61.7	63.2	54.5
	Tamil Nadu	279.1	281.0	277.1	278.8	284.7	288.8	281.6
	Pondy	6.6	6.7	6.8	6.9	7.1	7.2	6.7
ER	Bihar	72.4	72.8	75.8	76.1	75.6	75.5	67.6
	DVC	62.0	61.6	61.5	62.6	59.2	60.6	57.4
	Jharkhand	22.6	22.6	21.7	22.1	22.9	21.1	17.5
	Odisha	84.0	76.6	77.7	80.4	79.1	78.5	74.0
	West Bengal	149.4	152.5	151.4	155.8	154.1	149.3	133.1
	Sikkim	1.2	1.2	1.4	1.5	1.3	1.4	1.3
NER	Arunachal Pradesh	1.9	1.9	1.8	2.1	1.8	1.6	1.5
	Assam	29.0	29.9	31.0	30.5	29.3	26.5	24.0
	Manipur	1.4	1.3	1.7	2.1	1.9	1.5	1.6
	Meghalaya	4.9	4.9	4.3	5.1	4.0	5.0	5.3
	Mizoram	1.2	1.3	1.2	1.2	1.2	1.2	1.1
	Nagaland	1.7	1.8	2.0	2.0	1.7	1.4	1.3
	Tripura	4.0	4.4	4.3	4.5	4.0	4.4	3.4
<b>ALL INDIA TOTAL</b>		<b>3243.8</b>	<b>3177.5</b>	<b>3205.5</b>	<b>3260.7</b>	<b>3206.7</b>	<b>2980.1</b>	<b>2838.3</b>

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

साप्ताहिक रिपोर्ट (27 जून से 03 जुलाई - 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	27-06-2016	28-06-2016	29-06-2016	30-06-2016	01-07-2016	02-07-2016	03-07-2016
East to North	-54.3	-49.1	-57.4	-47.0	-57.0	-50.0	-68.6
East to West	-14.0	-14.7	-13.1	-8.4	-12.0	-4.0	-14.4
East to South	-43.7	-44.3	-35.5	-32.8	-42.0	-50.0	-49.7
East to North-East	-7.5	-9.1	-9.4	-17.8	-9.0	-3.0	4.9
North to North-East	11.5	11.5	15.1	22.1	14.3	14.3	9.7
West to North	-132.7	-118.0	-138.5	-132.7	-119.0	-78.5	-74.7
West to South	-47.0	-52.0	-42.7	-50.7	-49.9	-57.0	-59.4

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

**साप्ताहिक रिपोर्ट (27 जून से 03 जुलाई - 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)
27-06-2016	20.6	859	-6.0	-256	-251	-13.0	-549	-543
28-06-2016	19.4	809	-6.3	-261	-261	-13.1	-549	-545
29-06-2016	17.8	740	-6.4	-267	-268	-13.0	-553	-541
30-06-2016	21.0	873	-6.4	-265	-267	-12.9	-550	-538
01-07-2016	26.6	1107	-5.5	-230	-228	-12.6	-553	-527
02-07-2016	34.7	1446	-5.5	-225	-229	-13.2	-565	-551
03-07-2016	33.0	1374	-5.5	-216	-228	-10.2	-558	-426
<b>कुल Total</b>	<b>173.0</b>		<b>-41.6</b>			<b>-88.1</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	NER	132 kV Jiribam - Aizwal line, 132 kV Aizwal - Kolasib line and 132 kV Aizwal - Kumarghat line	POWERGRID	27-Jun-16	15:36	27-Jun-16	16:08	00:32	Mizoram system was connected with rest of NER Grid through 132 kV Jiribam - Aizwal line, 132 kV Aizwal - Kolasib line and 132 kV Aizwal - Kumarghat line. At 15:36 Hrs on 27.06.16, 132 kV Jiribam - Aizwal line, 132 kV Aizwal - Kolasib line and 132 kV Aizwal - Kumarghat line tripped. Due to tripping of these elements, Mizoram system was separated from rest of NER Grid and subsequently collapsed due to no source in this area.	0	58	GD-I
2	NER	132 kV Imphal (PG) - Imphal (MA) I&II lines	POWERGRID ,MSPCL	28-Jun-16	10:44	28-Jun-16	11:10	00:26	Capital area & Karong area of Manipur were connected with rest of NER Grid through 132 kV Imphal-Imphal I & II lines (132 kV Kakching-Kongba line & 132 kV Karong-Kohima line kept open for system requirement). At 10:44 Hrs on 28.06.16, 132 kV Imphal-Imphal I & II lines tripped. Due to tripping of these elements, Capital area & Karong area were separated from rest of NER Grid and subsequently collapsed due to no source in this area.	0	47	GD-I
3	WR	1) 400 kV Bus-2 at Kansari 2) 400kV Kansari-Kankroli-I 3) 400kV Kansari-Vadavi-II 4) 400kV Soja-Kansari-I 5) 400kV Varsana-Kansari-S/C 6) 400/220kV Kansari ICT-II 7) 400/220kV Kansari ICT-III 8) 400/220kV Kansari ICT-I	GEB	29-Jun-16	05:40	29-Jun-16	06:25	00:45	Due to Bus-II fault at Kansari station, the elements given in Column C tripped, ICT-III tripped on overload.			GI-II
4	NER	132 kV Balipara- Khupi line	NEEPCO	29-Jun-16	15:55	29-Jun-16	16:36	00:41	Khupi area of Arunachal Pradesh was connected with rest of NER Grid through 132 kV Balipara- Khupi line. At 15:55 Hrs on 29.06.16 , 132 kV Balipara- Khupi line tripped. Due to tripping of this element, Khupi area was separated from rest of NER Grid and subsequently collapsed due to no source in this area.	0	21	GD-I
5	WR/NR	1) HVDC Mundra-Mohendargarh Pole-II	Adani	29-Jun-16	17:37	29-Jun-16	18:38	01:01	With Pole-I going into RVO total power flow on HVDC link started reducing and when it reached 2100 MW the Pole-II tripped. The power flow on Pole-I became 900 MW (from 17:37 hrs to 18:18hrs), at 18:18 hrs, transients were again observed in Pole-I and Pole-I power flow got reduced to 750 MW. When Pole-II was revived at 18:38 hrs, the total power flow on Bipole was 1100 MW as both the poles were on RVO Mode due to repeated transients.			GI-II
6	NER	132 kV Balipara- Khupi line	NEEPCO	29-Jun-16	17:38	29-Jun-16	18:11	00:33	Khupi area of Arunachal Pradesh was connected with rest of NER Grid through 132 kV Balipara- Khupi line. At 17:38 Hrs on 29.06.16 , 132 kV Balipara- Khupi line tripped. Due to tripping of this element, Khupi area was separated from rest of NER Grid and subsequently collapsed due to no source in this area.	0	15	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				
7	NER	132 kV Dimapur (PG) - Kohima	POWERGRID & DoP Nagaland	29-Jun-16	18:40	29-Jun-16	18:53	00:13	Capital area of Nagaland was connected with rest of NER Grid through 132 kV Dimapur(PG)-Kohima line (132 kV Kohima-Karong line & 66 kV Tuensang-Likimro line kept open for system requirement). At 18:40 Hrs on 29.06.16, 132 kV Dimapur(PG)-Kohima line tripped. Due to tripping of this element, Capital area was separated from rest of NER Grid and subsequently collapsed due to no source in this area.	0	22	GD-I
8	NER	132 kV Imphal (PG) - Imphal (MA) I&II lines	POWERGRID ,MSPCL	30-Jun-16	04:11	30-Jun-16	04:24	00:13	Capital area & Karong area of Manipur were connected with rest of NER Grid through 132 kV Imphal-Imphal I & II lines (132 kV Kakching-Kongba line & 132 kV Karong-Kohima line kept open for system requirement). At 04:11 Hrs on 30.06.16, 132 kV Imphal-Imphal I & II lines tripped. Due to tripping of these elements, Capital area & Karong area were separated from rest of NER Grid and subsequently collapsed due to no source in this area.	0	35	GD-I
9	WR/SR	1) 220 kV Chikodi-Mudshingi 2) 220 kV Talangade-Chikodi	MSEB	1-Jul-16	03:06	1-Jul-16	16:40	13:34	Due to Bus PT burst at Chikkodi, elements given in column C tripped.			GI-I