



**National Load Despatch Centre**

राष्ट्रीय भार प्रेषण केंद्र

**POWER SYSTEM OPERATION CORPORATION LIMITED**

पाँवर सिस्टम ऑपरेशन कारपोरेशन लिमिटेड

(Government of India Enterprise/ भारत सरकार का उद्यम)

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

बी-9, कुतुब इन्स्टीट्यूशनल एरिया, कटवारिया सराये, न्यू दिल्ली-110016

Ref: POSOCO/NLDC/SO/Daily PSP Report

दिनांक: 20<sup>th</sup> July 2017

To,

1. महाप्रबंधक, पू.क्षे.भा.प्रे.के.,14, गोलफ 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., एफ3-, 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: Daily PSP Report for the date 19.07.2017.**

महोदय/Dear Sir,

आईईजीसी-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 19-जुलाई- 2017 की अखिल भारतीय प्रणाली की दैनिक ग्रिड निष्पादन रिपोर्ट रांभांप्रेके की वेबसाइट पर उपलब्ध है

As per article 5.5.1 of the Indian Electricity Grid Code, the daily report pertaining power supply position of All India Power System for the date 19 July 2017, is available at the NLDC website.

धन्यवाद,



**पाँवर सिस्टम ऑपरेशन कारपोरेशन लिमिटेड**  
**राष्ट्रीय भार प्रेषण केंद्र, नई दिल्ली**

Report for previous day

Date of Reporting

20-Jul-17

**A. Maximum Demand**

	NR	WR	SR	ER	NER	Total
Demand Met during Evening Peak hrs(MW) (at 2000 hrs; from RLDCs)	51531	38817	35850	18641	2410	147249
Peak Shortage (MW)	3109	168	0	0	163	3440
Energy Met (MU)	1209	882	799	401	42	3333
Hydro Gen(MU)	312	22	35	87	24	480
Wind Gen(MU)	5	43	190	-----	-----	238
Solar Gen (MU)*	2.91	9.82	18.60	0.97	0.01	32
Energy Shortage (MU)	39.8	2.4	0.0	0.0	2.7	44.9
Maximum Demand Met during the day (MW) (from NLDC SCADA)	52993	39183	37226	19455	2544	148407

**B. Frequency Profile (%)**

Region	FVI	<49.7	49.7-49.8	49.8-49.9	<49.9	49.9-50.05	> 50.05
All India	0.051	0.03	2.21	6.15	8.39	66.19	25.42

**C. Power Supply Position in States**

Region	States	Max. Demand Met during the day (MW)	Shortage during maximum Demand (MW)	Energy Met (MU)	Drawal Schedule (MU)	OD(+)/UD(-) (MU)	Max OD (MW)	Energy Shortage (MU)
NR	Punjab	10968	0	237.8	131.9	-0.9	171	0.0
	Haryana	9145	0	200.3	124.6	1.2	317	3.5
	Rajasthan	8167	0	184.9	80.1	-0.3	284	3.3
	Delhi	6020	2	121.9	95.8	1.1	236	0.1
	UP	16175	810	360.0	154.4	4.1	810	20.2
	Uttarakhand	1704	0	36.8	14.8	2.1	417	3.5
	HP	1279	0	23.2	-9.4	7.9	610	0.5
	J&K	2025	506	37.2	10.4	0.9	330	8.9
WR	Chandigarh	345	0	6.7	6.9	-0.2	15	0.0
	Chhattisgarh	2951	362	73.9	12.7	3.1	375	2.4
	Gujarat	10990	0	244.0	63.3	1.3	534	0.0
	MP	7268	0	152.6	96.2	-1.0	327	0.0
	Maharashtra	17029	0	370.4	110.3	0.8	433	0.0
	Goa	352	0	7.6	8.0	-0.9	24	0.0
	DD	303	0	6.9	6.1	0.8	76	0.0
	DNH	710	0	16.4	16.3	0.1	19	0.0
SR	Essar steel	532	0	10.6	10.5	0.1	226	0.0
	Andhra Pradesh	6076	0	133	25	3	549	0.0
	Telangana	6925	0	140	75	-3	468	0.0
	Karnataka	7498	0	159	50	7	629	0.0
	Kerala	3107	0	60	48	1	276	0.0
	Tamil Nadu	14101	0	301	115	0	576	0.0
	Pondy	330	0	7	7	0	61	0.0
	ER	Bihar	3993	0	75.4	74.3	-3.0	325
DVC		2825	0	65.2	-30.9	-0.3	345	0.0
Jharkhand		1123	0	23.6	16.9	1.2	145	0.0
Odisha		3922	0	80.6	40.8	0.7	365	0.0
West Bengal		7891	0	154.5	63.1	2.6	435	0.0
Sikkim		55	0	1.6	1.6	0.0	20	0.0
NER	Arunachal Pradesh	119	4	1.8	2.4	-0.6	39	0.1
	Assam	1530	118	27.1	20.7	2.5	256	2.5
	Manipur	125	7	1.9	1.8	0.2	37	0.1
	Meghalaya	256	0	4.2	-1.1	-0.4	124	0.0
	Mizoram	72	2	1.3	1.0	0.2	19	0.0
	Nagaland	106	4	1.9	1.8	0.0	5	0.0
	Tripura	228	2	3.9	3.5	-0.7	40	0.0

**D. Transnational Exchanges (MU) - Import(+ve)/Export(-ve)**

	Bhutan	Nepal	Bangladesh
Actual(MU)	35.3	-6.1	-14.6
Day peak (MW)	1419.8	-314.2	-645.0

**E. Import/export By Regions(in MU) - Import(+ve)/Export(-ve); OD(+)/UD(-)**

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	220.6	-243.5	84.3	-60.3	-2.1	-1.0
Actual(MU)	230.0	-248.7	76.7	-58.4	-2.6	-3.0
O/D/U/D(MU)	9.4	-5.1	-7.6	1.9	-0.5	-2.0

**F. Generation Outage(MW)**

	NR	WR	SR	ER	NER	Total
Central Sector	6614	14371	3760	950	305	26000
State Sector	8780	19386	15862	4565	110	48703
Total	15394	33757	19622	5515	414	74703

\*Source: RLDCs for solar connected to ISTS; SLDCs for embedded solar. Limited visibility of embedded solar data.

सचिव(ऊर्जा)/संयुक्त सचिव(परिषद्)(ओ एम)/निदेशक(ओ एम)/मुख्य अभियंता.के०वि०प्रा०(प्रि०प्र०)/मुख्य कार्यपालक अधिकारी(पीसोको)/सभी राज्यों के मुख्य सचिव/ऊर्जा सचिव

INTER-REGIONAL EXCHANGES									
								Date of Reporting :	20-Jul-17
								Import-(+ve) /Export =(-ve) for NET (MU)	
Sl No	Voltage Level	Line Details	Circuit	Max Import (MW)	Max Export (MW)	Import (MU)	Export (MU)	NET (MU)	
<b>Import/Export of ER (With NR)</b>									
1	765KV	GAYA-VARANASI	D/C	0	253	0.0	8.2	-8.2	
2		SASARAM-FATEHPUR	S/C	0	3	2.1	0.0	2.1	
3		GAYA-BALIA	S/C	0	356	0.0	6.5	-6.5	
4	HVDC	ALIPURDUAR-AGRA	-	0	0	0.0	0.0	0.0	
5		PUSAULI B/B	S/C	0	369	0.0	9.0	-9.0	
6	400 KV	PUSAULI-VARANASI	S/C	0	278	0.0	0.0	0.0	
7		PUSAULI -ALLAHABAD	S/C	0	131	0.0	0.0	0.0	
8		MUZAFFARPUR-GORAKHPUR	D/C	0	734	0.0	12.1	-12.1	
9		PATNA-BALIA	Q/C	0	797	0.0	14.5	-14.5	
10		BIHARSHARIFF-BALIA	D/C	0	299	0.0	5.5	-5.5	
11		BARH-GORAKHPUR	D/C	0	484	0.0	9.5	-9.5	
12		BIHARSHARIFF-VARANASI	D/C	0	1	0.0	0.5	-0.5	
13	220 KV	PUSAULI-SAHUPURI	S/C	0	0	0.0	0.0	0.0	
14	132 KV	SONE NAGAR-RIHAND	S/C	0	0	0.0	0.0	0.0	
15		GARWAH-RIHAND	S/C	0	0	0.4	0.0	0.4	
16		KARMANASA-SAHUPURI	S/C	0	0	0.0	0.0	0.0	
17		KARMANASA-CHANDAULI	S/C	0	0	0.0	0.0	0.0	
<b>ER-NR</b>						<b>2.5</b>	<b>65.8</b>	<b>-63.4</b>	
<b>Import/Export of ER (With WR)</b>									
18	765 KV	JHARSUGUDA-DHARAMJAIGARH S/C	D/C	0	0	12.9	0.0	12.9	
19		NEW RANCHI-DHARAMJAIGARH	D/C	0	0	8.7	0.0	8.7	
20	400 KV	ROURKELA - RAIGARH ( SEL LILO BYPASS)	S/C	0	0	3.2	0.0	3.2	
21		JHARSUGUDA-RAIGARH	S/C	0	0	3.1	0.0	3.1	
22		IBEUL-RAIGARH	S/C	0	0	2.8	0.0	2.8	
23		STERLITE-RAIGARH	D/C	0	0	7.6	0.0	7.6	
24	220 KV	RANCHI-SIPAT	D/C	0	0	5.3	0.0	5.3	
25		BUDHIPADAR-RAIGARH	S/C	0	67	0.0	0.6	-0.6	
26		BUDHIPADAR-KORBA	D/C	0	0	4.1	0.0	4.1	
<b>ER-WR</b>						<b>47.7</b>	<b>0.6</b>	<b>47.1</b>	
<b>Import/Export of ER (With SR)</b>									
27	765 KV	ANGUL-SRIKAKULAM	D/C	0.0	0.0	0.0	14.5	-14.5	
28	HVDC LINK	JEYPORE-GAZUWAKA B/B	D/C	0.0	312.3	0.0	13.8	-13.8	
29		TALCHER-KOLAR BIPOLE	D/C	0.0	2505.4	0.0	25.5	-25.5	
30	400 KV	TALCHER-I/C	D/C	0.0	1347.8	0.0	18.0	-18.0	
31	220 KV	BALIMELA-UPPER-SILERRU	S/C	0.0	0.0	0.0	0.0	0.0	
<b>ER-SR</b>						<b>0.0</b>	<b>53.8</b>	<b>-53.8</b>	
<b>Import/Export of ER (With NER)</b>									
32	400 KV	BINAGURI-BONGAIGAON	D/C	0	1246	0.0	5.5	-5	
33		ALIPURDUAR-BONGAIGAON	D/C	0	990	0.0	8.8	-9	
34	220 KV	ALIPURDUAR-SALAKATI	D/C	0	0	0.0	1.8	-2	
<b>ER-NER</b>						<b>0.0</b>	<b>16.0</b>	<b>-16.0</b>	
<b>Import/Export of NER (With NR)</b>									
35	HVDC	BISWANATH CHARIALI-AGRA	-	0	1000	0.0	16.9	-16.9	
<b>NER-NR</b>						<b>0.0</b>	<b>16.9</b>	<b>-16.9</b>	
<b>Import/Export of WR (With NR)</b>									
36	HVDC	CHAMPA-KURUKSHETRA	D/C	0	1000	0.0	11.8	-11.8	
37		V'CHAL B/B	D/C	0	500	0.0	7.0	-7.0	
38		APL -MHG	D/C	0	2519	0.0	59.3	-59.3	
39	765 KV	GWALIOR-AGRA	D/C	0	2574	0.0	53.0	-53.0	
40		PHAGI-GWALIOR	D/C	0	1370	0.0	29.6	-29.6	
41	400 KV	ZERDA-KANKROLI	S/C	153	42	1.6	0.0	1.6	
42		ZERDA -BHINMAL	S/C	191	65	1.5	0.0	1.5	
43		V'CHAL -RIHAND	S/C	0	0	0.0	0.0	0.0	
44		RAPP-SHUJALPUR	D/C	0	270	0	2	-2	
45	220 KV	BADOD-KOTA	S/C	40	29	0.2	0.1	0.1	
46		BADOD-MORAK	S/C	0	67	0.0	0.7	-0.7	
47		MEHGAON-AURAIYA	S/C	40	7	0.4	0.0	0.4	
48	132KV	MALANPUR-AURAIYA	S/C	8	28	0.0	0.3	-0.2	
49		GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0	
<b>WR-NR</b>						<b>3.7</b>	<b>163.8</b>	<b>-160.1</b>	
<b>Import/Export of WR (With SR)</b>									
50	HVDC	BHADRAWATI B/B	-	0	1000	0.0	14.3	-14.3	
51	LINK	BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0	
52	765 KV	SOLAPUR-RAICHUR	D/C	0	1545	0.0	19.7	-19.7	
53		WARDHA-NIZAMABAD	D/C	0	914	0.0	14.7	-14.7	
54	400 KV	KOLHAPUR-KUDGI	D/C	292	44	3.7	0.0	3.7	
55		KOLHAPUR-CHIKODI	D/C	0	0	0.0	0.0	0.0	
56	220 KV	PONDA-AMBEWADI	S/C	0	0	0.0	0.0	0.0	
57		XELDEM-AMBEWADI	S/C	73	0	1.5	0.0	1.5	
<b>WR-SR</b>						<b>5.3</b>	<b>48.7</b>	<b>-43.4</b>	
<b>TRANSNATIONAL EXCHANGE</b>									
58		BHUTAN						35.3	
59		NEPAL						-6.1	
60		BANGLADESH						-14.6	