



**National Load Despatch Centre**

राष्ट्रीय भार प्रेषण केंद्र

**POWER SYSTEM OPERATION CORPORATION LIMITED**

पावर 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: 21<sup>st</sup> July 2017

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., 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 20.07.2017.**

महोदय/Dear Sir,

आईईजीसी-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 20-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 20<sup>th</sup> July 2017, is available at the NLDC website.

धन्यवाद,



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

Report for previous day

Date of Reporting

21-Jul-17

A. Maximum Demand

	NR	WR	SR	ER	NER	Total
Demand Met during Evening Peak hrs(MW) (at 2000 hrs; from RLDCs)	52648	38096	36336	17998	2393	147470
Peak Shortage (MW)	719	29	161	0	212	1121
Energy Met (MU)	1193	876	810	385	43	3307
Hydro Gen(MU)	342	20	54	86	25	526
Wind Gen(MU)	7	55	183	-----	-----	246
Solar Gen (MU)*	3.23	8.60	21.10	0.60	0.01	34
Energy Shortage (MU)	13.7	3.0	0.0	0.0	1.6	18.3
Maximum Demand Met during the day (MW) (from NLDC SCADA)	55340	38420	38651	19449	2503	151349

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	0.031	0.00	0.00	2.64	2.64	74.91	22.45

C. Power Supply Position in States

RegionRegion	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	10162	0	235.1	135.7	-1.3	114	0.0
	Haryana	9489	0	185.7	115.9	-2.1	260	0.0
	Rajasthan	8483	0	184.2	81.8	-0.6	238	0.3
	Delhi	5733	0	114.6	90.9	-0.9	176	0.0
	UP	17375	190	366.8	162.7	-0.3	371	2.7
	Uttarakhand	1855	0	34.6	12.2	-0.4	217	1.2
	HP	1309	0	26.2	-2.9	3.9	580	0.2
	J&K	2013	503	39.2	13.2	0.0	372	9.3
Chandigarh	313	0	6.4	7.0	-0.6	7	0.0	
WR	Chhattisgarh	2991	113	75.1	20.7	4.1	237	3.0
	Gujarat	11204	0	248.1	76.0	-1.1	475	0.0
	MP	6862	0	148.4	97.9	-2.2	446	0.0
	Maharashtra	16315	0	362.5	100.2	2.1	536	0.0
	Goa	393	0	8.3	8.4	-0.5	34	0.0
	DD	310	0	7.0	6.2	0.8	76	0.0
	DNH	728	0	16.6	16.2	0.3	38	0.0
Essar steel	496	0	9.6	10.5	-0.9	130	0.0	
SR	Andhra Pradesh	6366	0	139	33	4	703	0.0
	Telangana	7088	0	148	84	-1	596	0.0
	Karnataka	7456	0	154	42	1	733	0.0
	Kerala	3150	0	59	46	1	231	0.0
	Tamil Nadu	14191	0	303	114	5	817	0.0
	Pondy	350	0	7	8	0	24	0.0
ER	Bihar	4037	0	75.2	72.2	-0.3	100	0.0
	DVC	2845	0	62.4	-30.4	-1.9	130	0.0
	Jharkhand	1118	0	21.1	16.0	-0.7	135	0.0
	Odisha	3867	0	77.1	33.4	2.5	300	0.0
	West Bengal	7870	0	148.0	53.5	4.3	320	0.0
	Sikkim	69	0	1.0	0.9	0.0	10	0.0
NER	Arunachal Pradesh	121	2	1.9	2.6	-0.7	39	0.0
	Assam	1535	167	28.3	22.6	0.6	256	1.3
	Manipur	126	4	1.9	1.8	0.1	37	0.1
	Meghalaya	255	0	4.3	-0.4	-0.6	124	0.0
	Mizoram	74	2	1.3	1.1	0.1	19	0.0
	Nagaland	115	3	1.8	1.7	0.1	5	0.0
	Tripura	198	2	3.7	2.8	-1.1	40	0.1

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	34.3	-6.7	-14.3
Day peak (MW)	1466.9	-432.9	-637.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	211.6	-226.5	83.5	-68.3	0.0	0.3
Actual(MU)	204.7	-219.8	91.0	-63.7	-2.7	9.4
O/D/U/D(MU)	-6.9	6.6	7.5	4.6	-2.7	9.1

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	3312	14786	4560	1220	355	24233
State Sector	7020	20890	15872	4195	110	48087
Total	10332	35676	20432	5415	464	72320

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

सचिव(ऊर्जा)/संयुक्त सचिव(पारेषण)/(ओ एम)/निदेशक(ओ एम)/मुख्य अभियंता-के०वि०प्रा०(ग्रि०प्र०)/  
मुख्य कार्यपालक अधिकारी(पोसोको)/सभी राज्यों के मुख्य सचिव/ऊर्जा सचिव

महाप्रबंधक (रा० भा० प्रे० के०)

INTER-REGIONAL EXCHANGES									
								Date of Reporting : 21-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	222	0.0	7.3	-7.3	
2		SASARAM-FATEHPUR	S/C	0	0	3.4	0.0	3.4	
3		GAYA-BALIA	S/C	0	356	0.0	6.4	-6.4	
4	HVDC	ALIPURDUAR-AGRA	-	0	0	0.0	0.0	0.0	
5		PUSAULI B/B	S/C	0	368	0.0	6.6	-6.6	
6	400 KV	PUSAULI-VARANASI	S/C	0	272	0.0	0.0	0.0	
7		PUSAULI-ALLAHABAD	S/C	0	124	0.0	0.0	0.0	
8		MUZAFFARPUR-GORAKHPUR	D/C	0	664	0.0	11.5	-11.5	
9		PATNA-BALIA	Q/C	0	698	0.0	14.3	-14.3	
10		BIHARSHARIFF-BALIA	D/C	0	290	0.0	5.4	-5.4	
11		BARH-GORAKHPUR	D/C	0	469	0.0	9.0	-9.0	
12		BIHARSHARIFF-VARANASI	D/C	0	5	0.0	0.6	-0.6	
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	0.5	0.0	0.5	
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>3.9</b>	<b>61.0</b>	<b>-57.1</b>
<b>Import/Export of ER (With WR)</b>									
18	765 KV	JHARSUGUDA-DHARAMJAIGARH S/C	D/C	0	0	15.2	0.0	15.2	
19		NEW RANCHI-DHARAMJAIGARH	D/C	0	0	8.6	0.0	8.6	
20	400 KV	ROURKELA - RAIGARH ( SEL LILO BYPASS)	S/C	0	0	3.8	0.0	3.8	
21		JHARSUGUDA-RAIGARH	S/C	0	0	3.3	0.0	3.3	
22		IBEUL-RAIGARH	S/C	0	0	3.3	0.0	3.3	
23		STERLITE-RAIGARH	D/C	0	0	3.3	0.0	3.3	
24		RANCHI-SIPAT	D/C	0	0	5.5	0.0	5.5	
25	220 KV	BUDHIPADAR-RAIGARH	S/C	0	67	0.0	0.3	-0.3	
26		BUDHIPADAR-KORBA	D/C	0	0	3.8	0.0	3.8	
						<b>ER-WR</b>	<b>46.8</b>	<b>0.3</b>	<b>46.5</b>
<b>Import/Export of ER (With SR)</b>									
27	765 KV	ANGUL-SRIKAKULAM	D/C	0.0	0.0	0.0	15.0	-15.0	
28	HVDC	JEYPORE-GAZUWAKA B/B	D/C	0.0	316.4	0.0	14.5	-14.5	
29	LINK	TALCHER-KOLAR BIPOLE	D/C	0.0	2508.1	0.0	36.7	-36.7	
30	400 KV	TALCHER-I/C	D/C	0.0	1331.6	0.9	18.3	-17.4	
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>66.2</b>	<b>-66.2</b>
<b>Import/Export of ER (With NER)</b>									
32	400 KV	BINAGURI-BONGAIGAON	D/C	0	1238	0.0	7.1	-7	
33		ALIPURDUAR-BONGAIGAON	D/C	0	985	0.0	7.8	-8	
34	220 KV	ALIPURDUAR-SALAKATI	D/C	0	0	0.0	2.2	-2	
						<b>ER-NER</b>	<b>0.0</b>	<b>17.1</b>	<b>-17.1</b>
<b>Import/Export of NER (With NR)</b>									
35	HVDC	BISWANATH CHARIALI-AGRA	-	0	1001	0.0	19.7	-19.7	
						<b>NER-NR</b>	<b>0.0</b>	<b>19.7</b>	<b>-19.7</b>
<b>Import/Export of WR (With NR)</b>									
36	HVDC	CHAMPA-KURUKSHETRA	D/C	0	1000	0.0	13.5	-13.5	
37		V'CHAL B/B	D/C	500	400	5.6	2.7	3.0	
38		APL -MHG	D/C	0	2519	0.0	47.9	-47.9	
39	765 KV	GWALIOR-AGRA	D/C	0	2628	0.0	46.2	-46.2	
40		PHAGI-GWALIOR	D/C	0	1266	0.0	25.2	-25.2	
41	400 KV	ZERDA-KANKROLI	S/C	160	85	2.0	0.0	2.0	
42		ZERDA -BHINMAL	S/C	250	117	1.6	0.0	1.6	
43		V'CHAL -RIHAND	S/C	0	0	0.0	0.0	0.0	
44		RAPP-SHUJALPUR	D/C	0	240	0	2	-2	
45	220 KV	BADOD-KOTA	S/C	64	23	0.4	0.1	0.3	
46		BADOD-MORAK	S/C	20	50	0.0	0.5	-0.5	
47		MEHGAON-AURAIYA	S/C	50	4	0.6	0.0	0.6	
48		MALANPUR-AURAIYA	S/C	15	25	0.1	0.2	-0.1	
49	132KV	GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0	
						<b>WR-NR</b>	<b>10.4</b>	<b>138.0</b>	<b>-127.6</b>
<b>Import/Export of WR (With SR)</b>									
50	HVDC	BHADRAWATI B/B	-	0	1000	0.0	13.9	-13.9	
51	LINK	BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0	
52	765 KV	SOLAPUR-RAICHUR	D/C	0	1654	0.0	21.4	-21.4	
53		WARDHA-NIZAMABAD	D/C	0	989	0.0	16.2	-16.2	
54	400 KV	KOLHAPUR-KUDGI	D/C	399	144	4.4	0.3	4.1	
55	220 KV	KOLHAPUR-CHIKODI	D/C	0	0	0.0	0.0	0.0	
56		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>6.0</b>	<b>51.8</b>	<b>-45.9</b>
<b>TRANSNATIONAL EXCHANGE</b>									
58		BHUTAN						<b>34.3</b>	
59		NEPAL						<b>-6.7</b>	
60		BANGLADESH						<b>-14.3</b>	