



**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: 01<sup>st</sup> August 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 31.07.2017.**

महोदय/Dear Sir,

आईईजीसी-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 31-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 31<sup>st</sup> 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

1-Aug-17

A. Maximum Demand

	NR	WR	SR	ER	NER	Total
Demand Met during Evening Peak hrs(MW) (at 2000 hrs; from RLDCs)	49061	40894	38429	18813	2592	149789
Peak Shortage (MW)	1454	53	0	400	122	2029
Energy Met (MU)	1121	937	928	393	48	3428
Hydro Gen(MU)	369	31	52	108	24	583
Wind Gen(MU)	37	72	89	-----	-----	198
Solar Gen (MU)*	2.09	7.84	28.00	1.24	0.02	39
Energy Shortage (MU)	14.7	0.0	0.0	1.2	1.4	17.3
Maximum Demand Met during the day (MW) (from NLDC SCADA)	49990	40799	40610	19450	2730	152762

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	0.028	0.00	0.13	3.65	3.77	79.64	16.59

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	9372	0	215.7	128.0	-0.7	169	0.0
	Haryana	8217	0	171.7	113.3	-0.1	215	0.0
	Rajasthan	7590	0	161.9	45.9	-0.4	366	0.0
	Delhi	5144	0	106.5	83.6	-1.4	209	0.0
	UP	16361	815	362.0	179.5	-1.3	252	5.0
	Uttarakhand	1848	0	37.5	17.0	1.5	305	0.2
	HP	1276	0	24.9	-0.6	2.1	394	1.1
	J&K	1865	466	35.0	12.5	-3.5	104	8.3
Chandigarh	286	0	6.0	6.3	-0.2	5	0.0	
WR	Chhattisgarh	3722	0	90.5	24.0	1.5	205	0.0
	Gujarat	10937	0	239.6	53.6	0.6	468	0.0
	MP	7317	0	155.4	95.4	1.5	623	0.0
	Maharashtra	18551	0	409.8	115.0	5.6	430	0.0
	Goa	410	0	8.9	8.3	0.6	75	0.0
	DD	311	0	6.8	6.2	0.6	58	0.0
	DNH	731	0	16.7	16.7	0.0	24	0.0
	Essar steel	449	0	9.7	9.6	0.1	182	0.0
SR	Andhra Pradesh	7211	0	170	50	9.5	604	0.0
	Telangana	9326	0	195	118	-0.6	469	0.0
	Karnataka	8978	0	194	72	2.4	738	0.0
	Kerala	3438	0	68	49	1.6	279	0.0
	Tamil Nadu	13629	0	295	144	4.5	824	0.0
	Pondy	336	0	7	7	-0.3	34	0.0
ER	Bihar	4215	0	80.8	74.6	2.8	250	0.0
	DVC	2899	300	55.9	-19.7	2.9	500	1.2
	Jharkhand	1132	0	22.7	16.4	0.1	180	0.0
	Odisha	4065	0	77.7	25.0	-1.2	200	0.0
	West Bengal	8036	0	154.9	66.2	-0.6	150	0.0
	Sikkim	98	0	1.1	2.2	-1.1	4	0.0
NER	Arunachal Pradesh	117	1	2.0	2.3	-0.3	10	0.0
	Assam	1670	58	30.7	23.4	2.0	187	1.2
	Manipur	147	1	2.2	2.1	0.1	33	0.0
	Meghalaya	286	0	5.3	-0.3	0.0	66	0.0
	Mizoram	67	2	1.5	1.1	0.2	11	0.0
	Nagaland	110	2	2.3	1.9	0.2	15	0.0
	Tripura	252	1	4.2	3.0	0.3	69	0.0

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	36.7	-5.5	-15.2
Day peak (MW)	2673.9	-322.8	-657.4

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	163.7	-217.9	105.7	-54.4	3.4	0.5
Actual(MU)	157.2	-223.6	121.5	-50.4	2.8	7.5
O/D/U/D(MU)	-6.5	-5.6	15.8	4.0	-0.6	7.0

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	2964	14371	3050	800	418	21604
State Sector	9130	20629	10492	5405	110	45766
Total	12094	35000	13542	6205	528	67370

\*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 : 1-Aug-17	
								Import=(+ve) /Export =(-ve) for NET (MU)	
SI 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	158	0.0	2.2	-2.2	
2		SASARAM-FATEHPUR	S/C	0	0	3.9	0.0	3.9	
3		GAYA-BALIA	S/C	0	335	0.0	5.1	-5.1	
4	HVDC	ALIPURDUAR-AGRA	-	0	0	0.0	0.0	0.0	
5		PUSAULI B/B	S/C	0	198	0.0	4.5	-4.5	
6	400 KV	PUSAULI-VARANASI	S/C	0	185	0.0	0.0	0.0	
7		PUSAULI-ALLAHABAD	S/C	0	55	0.0	0.0	0.0	
8		MUZAFFARPUR-GORAKHPUR	D/C	0	419	0.0	6.4	-6.4	
9		PATNA-BALIA	Q/C	0	521	0.0	10.8	-10.8	
10		BIHARSHARIFF-BALIA	D/C	0	248	0.0	5.0	-5.0	
11		BARH-GORAKHPUR	D/C	0	216	0.0	4.2	-4.2	
12		BIHARSHARIFF-VARANASI	D/C	0	0	2.1	0.0	2.1	
13	220 KV	PUSAULI-SAHUPURI	S/C	0	234	0.0	4.5	-4.5	
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>6.5</b>	<b>42.7</b>	<b>-36.2</b>
<b>Import/Export of ER (With WR)</b>									
18	765 KV	JHARSUGUDA-DHARAMJAIGARH S/C	D/C	0	0	14.4	0.0	14.4	
19		NEW RANCHI-DHARAMJAIGARH	D/C	0	0	15.0	0.0	15.0	
20	400 KV	ROURKELA - RAIGARH ( SEL LILO BYPASS)	S/C	0	0	3.4	0.0	3.4	
21		JHARSUGUDA-RAIGARH	S/C	0	0	2.5	0.0	2.5	
22		IBEUL-RAIGARH	S/C	0	0	2.6	0.0	2.6	
23		STERLITE-RAIGARH	D/C	0	0	2.1	0.0	2.1	
24		RANCHI-SIPAT	D/C	0	0	7.5	0.0	7.5	
25	220 KV	BUDHIPADAR-RAIGARH	S/C	0	111	0.0	1.0	-1.0	
26		BUDHIPADAR-KORBA	D/C	0	0	4.0	0.0	4.0	
						<b>ER-WR</b>	<b>51.4</b>	<b>1.0</b>	<b>50.4</b>
<b>Import/Export of ER (With SR)</b>									
27	765 KV	ANGUL-SRIKAKULAM	D/C	0.0	0.0	0.0	15.8	-15.8	
28	HVDC	JEYPORE-GAZUWAKA B/B	D/C	0.0	343.7	0.0	15.0	-15.0	
29	LINK	TALCHER-KOLAR BIPOLE	D/C	0.0	2014.4	0.0	41.6	-41.6	
30	400 KV	TALCHER-I/C	D/C	0.0	1170.0	0.0	20.9	-20.9	
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>72.3</b>	<b>-72.3</b>
<b>Import/Export of ER (With NER)</b>									
32	400 KV	BINAGURI-BONGAIGAON	D/C	0	1068	0.0	6.6	-7	
33		ALIPURDUAR-BONGAIGAON	D/C	0	853	0.0	9.4	-9	
34	220 KV	ALIPURDUAR-SALAKATI	D/C	0	0	0.0	2.6	-3	
						<b>ER-NER</b>	<b>0.0</b>	<b>18.5</b>	<b>-18.5</b>
<b>Import/Export of NER (With NR)</b>									
35	HVDC	BISWANATH CHARIALI-AGRA	-	0	1003	0.0	17.5	-17.5	
						<b>NER-NR</b>	<b>0.0</b>	<b>17.5</b>	<b>-17.5</b>
<b>Import/Export of WR (With NR)</b>									
36	HVDC	CHAMPA-KURUKSHETRA	D/C	#VALUE!	1500	0.0	31.8	-31.8	
37		V'CHAL B/B	D/C	500	400	3.0	1.4	1.6	
38		APL -MHG	D/C	0	0	0.0	0.0	0.0	
39	765 KV	GWALIOR-AGRA	D/C	0	2928	0.0	53.2	-53.2	
40		PHAGI-GWALIOR	D/C	0	1112	0.0	17.2	-17.2	
41	400 KV	ZERDA-KANKROLI	S/C	116	233	0.0	0.4	-0.4	
42		ZERDA -BHINMAL	S/C	158	218	0.0	0.2	-0.2	
43		V'CHAL -RIHAND	S/C	0	0	0.0	0.0	0.0	
44		RAPP-SHUJALPUR	D/C	112	157	0	1	-1	
45	220 KV	BADOD-KOTA	S/C	49	34	0.3	0.2	0.1	
46		BADOD-MORAK	S/C	3	72	0.0	1.0	-1.0	
47		MEHGAON-AURAIYA	S/C	48	13	0.3	0.0	0.3	
48		MALANPUR-AURAIYA	S/C	13	34	0.0	0.4	-0.4	
49	132KV	GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0	
						<b>WR-NR</b>	<b>3.6</b>	<b>106.7</b>	<b>-103.0</b>
<b>Import/Export of WR (With SR)</b>									
50	HVDC	BHADRAWATI B/B	-	0	1000	0.0	18.2	-18.2	
51	LINK	BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0	
52	765 KV	SOLAPUR-RAICHUR	D/C	0	1628	0.0	27.4	-27.4	
53		WARDHA-NIZAMABAD	D/C	0	1640	0.0	27.2	-27.2	
54	400 KV	KOLHAPUR-KUDGI	D/C	131	109	0.8	1.1	-0.3	
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	92	0	1.9	0.0	1.9	
						<b>WR-SR</b>	<b>2.6</b>	<b>73.8</b>	<b>-71.2</b>
<b>TRANSNATIONAL EXCHANGE</b>									
58		BHUTAN						36.7	
59		NEPAL						-5.5	
60		BANGLADESH						-15.2	