



**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: 23<sup>rd</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 22.07.2017.**

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 22<sup>nd</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

23-Jul-17

A. Maximum Demand

	NR	WR	SR	ER	NER	Total
Demand Met during Evening Peak hrs(MW) (at 2000 hrs; from RLDCs)	51019	37079	38495	18655	2427	147675
Peak Shortage (MW)	1003	58	0	0	172	1233
Energy Met (MU)	1171	851	881	380	47	3329
Hydro Gen(MU)	368	21	51	91	27	558
Wind Gen(MU)	10	121	169	-----	-----	299
Solar Gen (MU)*	2.57	3.81	26.90	0.64	0.02	34
Energy Shortage (MU)	9.4	0.0	0.0	0.0	1.4	10.7
Maximum Demand Met during the day (MW) (from NLDC SCADA)	53737	38257	40587	19157	2501	151999

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	0.030	0.00	0.00	3.94	3.94	75.97	20.09

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	10700	0	242.6	137.0	-0.8	126	0.0
	Haryana	9181	0	192.9	123.0	-0.4	235	0.0
	Rajasthan	8030	0	169.6	64.3	0.8	698	0.0
	Delhi	5488	0	109.2	84.6	-0.7	189	0.0
	UP	16513	90	344.5	167.0	1.0	277	0.0
	Uttarakhand	1904	0	39.6	15.6	1.8	281	0.0
	HP	1289	0	27.1	-1.0	2.8	189	0.0
	J&K	1984	496	39.3	15.0	-1.6	56	9.3
Chandigarh	291	0	5.9	6.8	-0.9	0	0.0	
WR	Chhattisgarh	3518	0	81.5	25.7	1.4	246	0.0
	Gujarat	10338	0	229.0	56.1	0.1	641	0.0
	MP	6570	0	141.3	82.0	-3.1	310	0.0
	Maharashtra	16316	0	357.3	90.1	2.5	522	0.0
	Goa	393	0	8.3	7.8	0.0	121	0.0
	DD	310	0	6.9	6.1	0.9	62	0.0
	DNH	719	0	16.6	16.1	0.4	45	0.0
	Essar steel	511	0	10.1	9.8	0.4	243	0.0
SR	Andhra Pradesh	7517	0	160	40	7	804	0.0
	Telangana	7834	0	170	89	-1	474	0.0
	Karnataka	7988	0	167	58	3	687	0.0
	Kerala	3369	0	62	44	2	288	0.0
	Tamil Nadu	14375	0	315	115	5	701	0.0
	Pondy	359	0	8	8	0	50	0.0
ER	Bihar	4034	0	77.5	73.9	0.4	220	0.0
	DVC	2728	0	62.6	-20.7	-1.6	160	0.0
	Jharkhand	1136	0	21.7	14.1	0.2	190	0.0
	Odisha	4038	0	80.7	26.5	1.5	300	0.0
	West Bengal	7312	0	135.4	46.0	3.0	400	0.0
	Sikkim	112	0	2.0	1.4	0.5	55	0.0
NER	Arunachal Pradesh	102	3	2.1	3.0	-0.9	-30	0.0
	Assam	1532	113	30.6	23.7	2.5	161	1.2
	Manipur	135	7	1.9	2.4	-0.4	12	0.1
	Meghalaya	278	0	4.7	-0.6	0.0	48	0.0
	Mizoram	74	3	1.4	1.2	0.1	17	0.0
	Nagaland	111	4	2.1	2.1	-0.2	35	0.0
	Tripura	232	5	3.8	2.9	0.3	121	0.1

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	36.5	-6.2	-14.5
Day peak (MW)	1470.3	-345.0	-652.8

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	197.6	-211.6	90.1	-73.4	-0.6	2.1
Actual(MU)	191.7	-218.9	99.8	-70.8	-0.5	1.3
O/D/U/D(MU)	-5.9	-7.3	9.7	2.6	0.1	-0.8

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	3312	14971	4270	950	305	23808
State Sector	10050	23072	14652	4585	110	52469
Total	13362	38043	18922	5535	414	76277

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

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

INTER-REGIONAL EXCHANGES									
								Date of Reporting : 23-Jul-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	213	0.0	6.6	-6.6	
2		SASARAM-FATEHPUR	S/C	0	0	3.0	0.0	3.0	
3		GAYA-BALIA	S/C	0	370	0.0	6.6	-6.6	
4	HVDC	ALIPURDUAR-AGRA	-	0	0	0.0	0.0	0.0	
5		PUSAULI B/B	S/C	0	247	0.0	5.9	-5.9	
6	400 KV	PUSAULI-VARANASI	S/C	0	200	0.0	0.0	0.0	
7		PUSAULI -ALLAHABAD	S/C	0	83	0.0	0.0	0.0	
8		MUZAFFARPUR-GORAKHPUR	D/C	0	514	0.0	7.7	-7.7	
9		PATNA-BALIA	Q/C	0	716	0.0	13.9	-13.9	
10		BIHARSHARIFF-BALIA	D/C	0	299	0.0	5.9	-5.9	
11		BARH-GORAKHPUR	D/C	0	461	0.0	9.3	-9.3	
12		BIHARSHARIFF-VARANASI	D/C	0	0	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>3.5</b>	<b>56.4</b>	<b>-52.9</b>
<b>Import/Export of ER (With WR)</b>									
18	765 KV	JHARSUGUDA-DHARAMJAIGARH S/C	D/C	0	0	15.7	0.0	15.7	
19		NEW RANCHI-DHARAMJAIGARH	D/C	0	0	9.2	0.0	9.2	
20	400 KV	ROURKELA - RAIGARH ( SEL LILO BYPASS)	S/C	0	0	3.3	0.0	3.3	
21		JHARSUGUDA-RAIGARH	S/C	0	0	2.9	0.0	2.9	
22		IBEUL-RAIGARH	S/C	0	0	2.9	0.0	2.9	
23		STERLITE-RAIGARH	D/C	0	0	2.1	0.0	2.1	
24		RANCHI-SIPAT	D/C	0	0	5.0	0.0	5.0	
25	220 KV	BUDHIPADAR-RAIGARH	S/C	0	65	0.0	0.6	-0.6	
26		BUDHIPADAR-KORBA	D/C	0	0	3.4	0.0	3.4	
						<b>ER-WR</b>	<b>44.4</b>	<b>0.6</b>	<b>43.8</b>
<b>Import/Export of ER (With SR)</b>									
27	765 KV	ANGUL-SRIKAKULAM	D/C	0.0	0.0	0.0	14.8	-14.8	
28	HVDC	JEYPORE-GAZUWAKA B/B	D/C	0.0	338.2	0.0	16.0	-16.0	
29	LINK	TALCHER-KOLAR BIPOLE	D/C	0.0	2504.0	0.0	45.2	-45.2	
30	400 KV	TALCHER-I/C	D/C	0.0	1035.0	0.0	16.3	-16.3	
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>76.0</b>	<b>-76.0</b>
<b>Import/Export of ER (With NER)</b>									
32	400 KV	BINAGURI-BONGAIGAON	D/C	0	940	0.0	5.7	-6	
33		ALIPURDUAR-BONGAIGAON	D/C	0	752	0.0	6.4	-6	
34	220 KV	ALIPURDUAR-SALAKATI	D/C	0	0	0.0	1.9	-2	
						<b>ER-NER</b>	<b>0.0</b>	<b>14.0</b>	<b>-14.0</b>
<b>Import/Export of NER (With NR)</b>									
35	HVDC	BISWANATH CHARIALI-AGRA	-	0	701	0.0	16.2	-16.2	
						<b>NER-NR</b>	<b>0.0</b>	<b>16.2</b>	<b>-16.2</b>
<b>Import/Export of WR (With NR)</b>									
36	HVDC	CHAMPA-KURUKSHETRA	D/C	0	1000	0.0	19.4	-19.4	
37		V'CHAL B/B	D/C	500	0	10.4	0.0	10.4	
38		APL -MHG	D/C	0	2519	0.0	47.9	-47.9	
39	765 KV	GWALIOR-AGRA	D/C	0	2514	0.0	49.2	-49.2	
40		PHAGI-GWALIOR	D/C	0	1070	0.0	18.0	-18.0	
41	400 KV	ZERDA-KANKROLI	S/C	336	10	2.2	0.0	2.2	
42		ZERDA -BHINMAL	S/C	390	72	2.2	0.0	2.2	
43		V'CHAL -RIHAND	S/C	0	0	0.0	0.0	0.0	
44		RAPP-SHUJALPUR	D/C	0	266	0	2	-2	
45	220 KV	BADOD-KOTA	S/C	27	45	0.2	0.3	-0.1	
46		BADOD-MORAK	S/C	0	83	0.0	0.9	-0.9	
47		MEHGAON-AURAIYA	S/C	28	17	0.3	0.1	0.2	
48		MALANPUR-AURAIYA	S/C	3	3	0.0	0.3	-0.3	
49	132KV	GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0	
						<b>WR-NR</b>	<b>15.2</b>	<b>137.8</b>	<b>-122.6</b>
<b>Import/Export of WR (With SR)</b>									
50	HVDC	BHADRAWATI B/B	-	0	800	0.0	11.2	-11.2	
51	LINK	BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0	
52	765 KV	SOLAPUR-RAICHUR	D/C	0	1513	0.0	23.2	-23.2	
53		WARDHA-NIZAMABAD	D/C	0	966	0.0	18.7	-18.7	
54	400 KV	KOLHAPUR-KUDGI	D/C	315	226	0.8	2.0	-1.2	
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>2.4</b>	<b>55.0</b>	<b>-52.7</b>
<b>TRANSNATIONAL EXCHANGE</b>									
58		BHUTAN						36.5	
59		NEPAL						-6.2	
60		BANGLADESH						-14.5	