



**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: 19<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 18.07.2017.**

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 18-जुलाई- 2017 की अखिल भारतीय प्रणाली की दैनिक ग्रिड निष्पादन रिपोर्ट रा०भा०प्रे०के० 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 18 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

19-Jul-17

**A. Maximum Demand**

	NR	WR	SR	ER	NER	Total
Demand Met during Evening Peak hrs(MW) (at 2000 hrs; from RLDCs)	50785	39060	35978	19016	2510	147349
Peak Shortage (MW)	3334	92	87	0	161	3674
Energy Met (MU)	1175	879	806	412	47	3319
Hydro Gen(MU)	296	25	32	98	24	475
Wind Gen(MU)	5	57	198	-----	-----	259
Solar Gen (MU)*	2.74	9.18	14.30	1.19	0.00	27
Energy Shortage (MU)	29.0	0.0	0.0	0.0	1.1	30.0
Maximum Demand Met during the day (MW) (from NLDC SCADA)	52825	38874	39885	19964	2624	149976

**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	0.042	0.00	0.42	10.79	11.20	77.72	11.08

**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	9899	0	224.8	128.2	0.2	173	0.0
	Haryana	8913	0	191.5	129.0	0.8	264	0.6
	Rajasthan	8656	0	183.7	80.5	-0.6	252	0.5
	Delhi	5822	0	114.5	89.6	0.5	213	0.7
	UP	16755	420	356.1	148.7	3.1	348	12.8
	Uttarakhand	1680	230	35.8	15.9	1.4	315	3.2
	HP	1305	0	25.6	-7.9	9.0	771	2.6
	J&K	1971	493	36.6	7.5	3.1	662	8.7
	Chandigarh	323	0	6.4	6.3	0.0	42	0.0
WR	Chhattisgarh	2925	0	70.0	17.9	-0.2	314	0.0
	Gujarat	10742	0	238.8	54.9	0.1	495	0.0
	MP	7414	0	154.8	92.9	-0.1	401	0.0
	Maharashtra	17133	0	374.1	110.2	0.3	760	0.0
	Goa	350	0	8.0	8.1	-0.6	32	0.0
	DD	296	0	6.6	6.2	0.4	63	0.0
	DNH	704	0	16.1	16.3	-0.2	8	0.0
	Essar steel	603	0	10.7	10.4	0.3	232	0.0
	SR	Andhra Pradesh	6085	0	132	29	3	477
Telangana		6516	0	141	78	-2	297	0.0
Karnataka		7989	0	168	65	3	388	0.0
Kerala		3353	0	62	48	2	253	0.0
Tamil Nadu		13950	0	296	112	-4	756	0.0
Pondy		344	0	7	8	0	33	0.0
ER	Bihar	4072	0	81.4	74.6	1.4	396	0.0
	DVC	2845	0	65.5	-35.2	-1.4	342	0.0
	Jharkhand	1147	0	23.5	17.6	0.2	145	0.0
	Odisha	4135	0	80.8	32.5	1.4	402	0.0
	West Bengal	8408	0	159.4	61.2	4.0	478	0.0
	Sikkim	69	0	1.3	1.1	0.2	20	0.0
NER	Arunachal Pradesh	133	1	1.8	2.5	-0.7	39	0.0
	Assam	1592	131	32.4	23.3	4.8	256	0.9
	Manipur	137	3	1.6	1.7	-0.1	37	0.0
	Meghalaya	246	0	3.7	-1.1	-0.1	124	0.0
	Mizoram	74	2	1.2	0.8	0.3	19	0.0
	Nagaland	100	4	1.9	1.8	0.0	5	0.0
	Tripura	246	2	4.5	3.4	0.0	40	0.0

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	37.4	-6.2	-15.4
Day peak (MW)	1411.4	-302.3	-666.6

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	231.4	-250.7	91.9	-72.4	0.1	0.4
Actual(MU)	246.4	-257.7	77.1	-66.0	3.3	3.1
O/D/U/D(MU)	14.9	-7.0	-14.8	6.4	3.2	2.7

**F. Generation Outage(MW)**

	NR	WR	SR	ER	NER	Total
Central Sector	7094	14371	3260	950	335	26010
State Sector	8280	20925	15552	4565	110	49432
Total	15374	35296	18812	5515	444	75442

\*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 : 19-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 HVDC 400 KV 220 KV 132 KV	GAYA-VARANASI	D/C	0	307	0.0	8.7	-8.7	
2		SASARAM-FATEHPUR	S/C	0	0	2.7	0.0	2.7	
3		GAYA-BALIA	S/C	0	443	0.0	7.5	-7.5	
4		ALIPURDUAR-AGRA	-	0	0	0.0	0.0	0.0	
5		PUSAULI B/B	S/C	0	369	0.0	6.2	-6.2	
6		PUSAULI-VARANASI	S/C	0	275	0.0	0.0	0.0	
7		PUSAULI -ALLAHABAD	S/C	0	119	0.0	0.0	0.0	
8		MUZAFFARPUR-GORAKHPUR	D/C	0	646	0.0	10.1	-10.1	
9		PATNA-BALIA	Q/C	0	627	0.0	12.1	-12.1	
10		BIHARSHARIFF-BALIA	D/C	0	359	0.0	6.1	-6.1	
11		BARH-GORAKHPUR	D/C	0	451	0.0	8.8	-8.8	
12		BIHARSHARIFF-VARANASI	D/C	0	1	0.0	0.7	-0.7	
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>3.1</b>	<b>60.3</b>	<b>-57.2</b>	
<b>Import/Export of ER (With WR)</b>									
18	765 KV 400 KV 220 KV	JHARSUGUDA-DHARAMJAIGARH S/C	D/C	0	0	11.2	0.0	11.2	
19		NEW RANCHI-DHARAMJAIGARH	D/C	0	0	9.7	0.0	9.7	
20		400 KV	ROURKELA - RAIGARH ( SEL LILO BYPASS)	S/C	0	0	3.0	0.0	3.0
21			JHARSUGUDA-RAIGARH	S/C	0	0	2.4	0.0	2.4
22			IBEUL-RAIGARH	S/C	0	0	2.4	0.0	2.4
23			STERLITE-RAIGARH	D/C	0	0	7.6	0.0	7.6
24		RANCHI-SIPAT	D/C	0	0	5.6	0.0	5.6	
25		220 KV	BUDHIPADAR-RAIGARH	S/C	0	104	0.0	1.1	-1.1
26			BUDHIPADAR-KORBA	D/C	0	0	3.8	0.0	3.8
<b>ER-WR</b>						<b>45.6</b>	<b>1.1</b>	<b>44.5</b>	
<b>Import/Export of ER (With SR)</b>									
27	765 KV	ANGUL-SRIKAKULAM	D/C	0.0	0.0	0.0	14.1	-14.1	
28	HVDC LINK	JEYPORE-GAZUWAKA B/B	D/C	0.0	343.7	0.0	16.1	-16.1	
29		TALCHER-KOLAR BIPOLE	D/C	0.0	2019.8	0.0	30.0	-30.0	
30	400 KV	TALCHER-I/C	D/C	0.0	1834.1	0.0	25.8	-25.8	
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>60.2</b>	<b>-60.2</b>	
<b>Import/Export of ER (With NER)</b>									
32	400 KV 220 KV	BINAGURI-BONGAIGAON	D/C	0	1714	0.0	10.2	-10	
33		ALIPURDUAR-BONGAIGAON	D/C	0	1330	0.0	10.0	-10	
34		ALIPURDUAR-SALAKATI	D/C	0	0	0.0	2.9	-3	
<b>ER-NER</b>						<b>0.0</b>	<b>23.0</b>	<b>-23.0</b>	
<b>Import/Export of NER (With NR)</b>									
35	HVDC	BISWANATH CHARIALI-AGRA	-	0	1402	0.0	22.4	-22.4	
<b>NER-NR</b>						<b>0.0</b>	<b>22.4</b>	<b>-22.4</b>	
<b>Import/Export of WR (With NR)</b>									
36	HVDC 765 KV 400 KV 220 KV 132KV	CHAMPA-KURUKSHETRA	D/C	0	1500	0.0	17.0	-17.0	
37		V'CHAL B/B	D/C	200	500	0.9	5.3	-4.3	
38		APL -MHG	D/C	0	2520	0.0	53.3	-53.3	
39		765 KV	GWALIOR-AGRA	D/C	0	3058	0.0	57.5	-57.5
40			PHAGI-GWALIOR	D/C	0	1756	0.0	31.8	-31.8
41		400 KV	ZERDA-KANKROLI	S/C	95	103	0.0	0.3	-0.3
42			ZERDA -BHINMAL	S/C	131	166	0.0	0.6	-0.6
43			V'CHAL -RIHAND	S/C	0	0	0.0	0.0	0.0
44		RAPP-SHUJALPUR	D/C	0	255	0	2	-2	
45		220 KV	BADOD-KOTA	S/C	44	43	0.2	0.2	0.0
46	BADOD-MORAK		S/C	7	70	0.0	0.7	-0.7	
47	MEHGAON-AURAIYA		S/C	48	22	0.4	0.1	0.3	
48	132KV	MALANPUR-AURAIYA	S/C	39	13	0.0	0.4	-0.4	
49		GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0	
<b>WR-NR</b>						<b>1.6</b>	<b>169.5</b>	<b>-167.9</b>	
<b>Import/Export of WR (With SR)</b>									
50	HVDC	BHADRAWATI B/B	-	0	1000	0.0	13.8	-13.8	
51	LINK	BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0	
52	765 KV	SOLAPUR-RAICHUR	D/C	0	1630	0.0	21.4	-21.4	
53		WARDHA-NIZAMABAD	D/C	0	839	0.0	14.5	-14.5	
54	400 KV	KOLHAPUR-KUDGI	D/C	222	170	0.7	1.6	-0.8	
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>2.3</b>	<b>51.2</b>	<b>-49.0</b>	
<b>TRANSNATIONAL EXCHANGE</b>									
58		BHUTAN						37.4	
59		NEPAL						-6.2	
60		BANGLADESH						-15.4	