



**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: 17<sup>th</sup> August 2018

To,

1. कार्यकारी निदेशक, पू.क्षे.भा.प्रे.के., 14, गोल्फ क्लब रोड, कोलकाता - 700033  
Executive Director, 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. कार्यकारी निदेशक, प.क्षे.भा.प्रे.के., एफ3-, एम आई डी सी क्षेत्र, अंधेरी, मुंबई -400093  
Executive Director, WRLDC, F-3, M.I.D.C. Area, Marol, Andheri (East), Mumbai-400093
4. कार्यकारी निदेशक, ऊ.पू.क्षे.भा.प्रे.के., डोंगतिह, लोअर नोंग्रह, लापलंग, शिलोंग - 793006  
Executive Director, NERLDC, Dongteih, Lower Nongrah, Lapalang, Shillong - 793006, Meghalaya
5. महाप्रबंधक, द.क्षे.भा.प्रे.के., 29, रेस कोर्स क्रॉस रोड, बंगलुरु -560009  
General Manager, SRLDC, 29, Race Course Cross Road, Bangalore-560009

**Sub: Daily PSP Report for the date 16.08.2018.**

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 16-अगस्त-2018 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 16<sup>th</sup> August 2018, is available at the NLDC website.

धन्यवाद,

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

Report for previous day

Date of Reporting 17-Aug-18

A. Maximum Demand

	NR	WR	SR	ER	NER	Total
Demand Met during Evening Peak hrs(MW) (at 2000 hrs: from RLDCs)	55369	45589	36706	21488	2676	161828
Peak Shortage (MW)	1599	0	0	0	99	1698
Energy Met (MU)	1242	1034	771	442	50	3538
Hydro Gen (MU)	343	22	154	99	22	639
Wind Gen (MU)	6	95	216	-----	-----	317
Solar Gen (MU)*	18.21	10.2	29.59	0.67	0.01	59
Energy Shortage (MU)	10.0	0.0	0.0	0.0	1.7	11.7
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	56776 21:42	47173 09:51	36548 19:34	22032 21:01	2742 19:06	163390 19:39

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	0.023	0.00	0.00	0.65	0.65	76.24	23.11

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	10541	0	233.5	138.5	-1.0	100	0.0	
	Haryana	9104	0	191.4	146.8	0.9	299	0.0	
	Rajasthan	10431	0	231.1	98.1	3.3	362	0.0	
	Delhi	5773	0	116.6	103.9	-2.0	85	0.0	
	UP	16900	530	354.1	191.4	2.3	320	0.1	
	Uttarakhand	2007	0	40.0	19.6	1.3	180	0.0	
	HP	1368	12	28.3	-1.9	3.2	360	0.1	
	J&K	1998	499	40.7	26.0	-0.7	622	9.7	
	Chandigarh	313	0	5.8	6.6	-0.8	1	0.0	
	WR	Chhattisgarh	3680	0	81.4	15.1	-0.3	681	0.0
Gujarat		16705	0	361.9	106.3	3.4	762	0.0	
MP		7981	0	170.8	67.6	-1.0	450	0.0	
Maharashtra		17699	0	377.1	95.5	-7.7	575	0.0	
Goa		423	0	9.0	8.4	0.0	50	0.0	
DD		324	0	6.4	5.6	0.8	85	0.0	
DNH		775	0	16.7	15.6	1.1	109	0.0	
Essar steel		494	0	10.6	10.8	-0.2	264	0.0	
SR		Andhra Pradesh	6522	0	149.8	3.1	-0.6	658	0.0
		Telangana	7453	0	157.0	54.3	-0.2	495	0.0
	Karnataka	7493	0	146.7	18.4	-8.1	374	0.0	
	Kerala	2241	0	38.9	15.3	-2.2	209	0.0	
	Tamil Nadu	13377	0	272.1	77.8	-2.2	404	0.0	
	Pondy	294	0	6.2	6.3	-0.2	17	0.0	
	ER	Bihar	4861	0	91.6	93.1	-3.4	0	0.0
DVC		2917	0	64.5	-30.5	4.8	423	0.0	
Jharkhand		1041	0	21.7	17.7	-1.8	10	0.0	
Odisha		5016	0	97.8	50.8	4.4	510	0.0	
West Bengal		8677	0	165.4	54.6	4.3	280	0.0	
Sikkim		92	0	1.0	1.3	-0.3	0	0.0	
NER	Arunachal Pradesh	117	6	2.1	2.4	-0.3	25	0.2	
	Assam	1742	70	31.9	25.7	1.3	151	1.2	
	Manipur	175	3	2.3	2.5	-0.2	28	0.1	
	Meghalaya	300	5	4.8	1.3	-0.3	52	0.0	
	Mizoram	83	2	1.4	1.1	-0.1	25	0.1	
	Nagaland	106	9	2.2	2.0	-0.1	0	0.1	
	Tripura	287	4	5.1	4.7	0.2	37	0.0	

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	33.0	-6.2	-15.4
Day peak (MW)	1552.3	-402.6	-674.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	305.6	-246.0	-12.4	-46.3	-1.1	-0.1
Actual(MU)	301.7	-236.2	-33.6	-34.3	-2.4	-4.7
O/D/U/D(MU)	-3.9	9.8	-21.2	12.0	-1.3	-4.5

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	3980	14622	10462	1570	42	30677
State Sector	8360	15396	12720	5585	50	42110
Total	12340	30018	23182	7155	92	72787

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Thermal (Coal & Lignite)	537	1102	329	397	8	2372
Hydro	343	22	154	99	22	639
Nuclear	27	27	24	0	0	79
Gas, Naptha & Diesel	13	36	23	0	27	98
RES (Wind, Solar, Biomass & Others)	39	106	282	1	0	427
Total	959	1292	812	496	56	3616

Share of RES in total generation (%)	4.05	8.18	34.69	0.14	0.06	11.80
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	42.71	11.97	56.63	20.04	38.66	31.67

H. Diversity Factor

All India Demand Diversity Factor	1.012
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Diversity factor = Sum of regional maximum demands / All India maximum demand

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

**INTER-REGIONAL EXCHANGES**

Date of Reporting : 17-Aug-18

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	513	0.0	9.0	-9.0	
2		SASARAM-FATEHPUR	S/C	258	0	3.5	0.0	3.5	
3		GAYA-BALIA	S/C	0	380	0.0	7.4	-7.4	
4		ALIPURDUAR-AGRA	-	0	1351	0.0	23.3	-23.3	
5	400 kV	PUSAULI B/B	S/C	0	200	0.0	3.7	-3.7	
6		PUSAULI-VARANASI	S/C	0	114	0.0	0.0	0.0	
7		PUSAULI -ALLAHABAD	S/C	0	45	0.0	0.0	0.0	
8		MUZAFFARPUR-GORAKHPUR	D/C	0	826	0.0	14.2	-14.2	
9		PATNA-BALIA	Q/C	0	1074	0.0	19.8	-19.8	
10		BIHARSHARIFF-BALIA	D/C	0	229	0.0	4.0	-4.0	
11		MOTIHARI-GORAKHPUR	D/C	119	0	6.3	0.0	6.3	
12		BIHARSHARIFF-VARANASI	D/C	25	0	0.0	0.8	-0.8	
13		220 kV	PUSAULI-SAHUPURI	S/C	0	128	0.0	3.2	-3.2
14		132 kV	SONE NAGAR-RIHAND	S/C	0	0	0.0	0.0	0.0
15	GARWAH-RIHAND		S/C	35	0	0.6	0.0	0.6	
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>10.3</b>	<b>85.2</b>	<b>-74.9</b>	
<b>Import/Export of ER (With WR)</b>									
18	765 kV	JHARSUGUDA-DHARAMJAIGARH S/C	D/C	900	0	15.3	0.0	15.3	
19		NEW RANCHI-DHARAMJAIGARH	D/C	894	0	15.5	0.0	15.5	
20	400 kV	JHARSUGUDA-RAIGARH	Q/C	1089	0	22.0	0.0	22.0	
21		RANCHI-SIPAT	D/C	467	0	7.4	0.0	7.4	
22	220 kV	BUDHIPADAR-RAIGARH	S/C	112	0	1.5	0.0	1.5	
23		BUDHIPADAR-KORBA	D/C	172	0	3.4	0.0	3.4	
<b>ER-WR</b>						<b>65.1</b>	<b>0.0</b>	<b>65.1</b>	
<b>Import/Export of ER (With SR)</b>									
24	765 kV	ANGUL-SRIKAKULAM	D/C	149.0	885.9	0.0	8.9	-8.9	
25	HVDC	JEYPORE-GAZUWAKA B/B	D/C	0.0	414.1	0.0	7.6	-7.6	
26	LINK	TALCHER-KOLAR BIPOLE	D/C	0.0	1284.8	0.0	13.3	-13.3	
27	400 kV	TALCHER-I/C	D/C	1002.2	0.8	0.0	14.9	-14.9	
28	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>29.9</b>	<b>-29.9</b>	
<b>Import/Export of ER (With NER)</b>									
29	400 kV	BINAGURI-BONGAIGAON	D/C	0	611	0.0	10.3	-10	
30		ALIPURDUAR-BONGAIGAON	D/C	225	255	0.0	0.4	0	
31	220 kV	ALIPURDUAR-SALAKATI	D/C	0	125	0.0	1.7	-2	
<b>ER-NER</b>						<b>0.0</b>	<b>12.4</b>	<b>-12.4</b>	
<b>Import/Export of NER (With NR)</b>									
32	HVDC	BISWANATH CHARIALI-AGRA	-	0	701	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>									
33	HVDC	CHAMPA-KURUKSHETRA	D/C	0	0	0.0	42.3	-42.3	
34		V'CHAL B/B	D/C	0	0	5.6	0.0	5.6	
35		APL -MHG	D/C	0	0	0.0	33.8	-33.8	
36		GWALIOR-AGRA	D/C	0	0	0.0	55.0	-55.0	
37	765 kV	PHAGI-GWALIOR	D/C	0	0	0.0	36.4	-36.4	
38		JABALPUR-ORAI	D/C	0	0	0.0	28.7	-28.7	
39		GWALIOR-ORAI	S/C	0	0	9.7	0.0	9.7	
40		SATNA-ORAI	S/C	0	0	0.0	42.0	-42.0	
41		400 kV	ZERDA-KANKROLI	S/C	0	0	0.0	0.0	0.0
42			ZERDA -BHINMAL	S/C	0	0	0.0	2.7	-2.7
43	V'CHAL -RIHAND		S/C	0	0	21.5	0.0	21.5	
44	RAPP-SHUJALPUR		D/C	0	0	0	5	-5	
45	220 kV	BADOD-KOTA	S/C	0	0	0.0	0.9	-0.9	
46		BADOD-MORAK	S/C	0	0	0.0	1.2	-1.2	
47		MEHGAON-AURAIYA	S/C	0	0	0.1	0.1	0.0	
48	132kV	MALANPUR-AURAIYA	S/C	0	0	0.0	0.6	-0.6	
49		GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0	
<b>WR-NR</b>						<b>36.9</b>	<b>248.7</b>	<b>-211.8</b>	
<b>Import/Export of WR (With SR)</b>									
50	HVDC	BHADRAWATI B/B	-	0	0	10.9	0.0	10.9	
51	LINK	BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0	
52	765 kV	SOLAPUR-RAICHUR	D/C	0	0	21.3	0.0	21.3	
53		WARDHA-NIZAMABAD	D/C	0	0	0.0	8.4	-8.4	
54	400 kV	KOLHAPUR-KUDGI	D/C	0	0	17.3	0.0	17.3	
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	0	0	0.0	0.0	0.0	
<b>WR-SR</b>						<b>49.5</b>	<b>8.4</b>	<b>41.1</b>	
<b>TRANSNATIONAL EXCHANGE</b>									
58		BHUTAN						<b>33.0</b>	
59		NEPAL						<b>-6.2</b>	
60		BANGLADESH						<b>-15.4</b>	