



**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: 18<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 17.08.2018.**

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 17-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 17<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

18-Aug-18

A. Maximum Demand

	NR	WR	SR	ER	NER	Total
Demand Met during Evening Peak hrs(MW) (at 2000 hrs: from RLDCs)	54326	43002	38964	22127	2628	161047
Peak Shortage (MW)	1834	70	0	450	182	2536
Energy Met (MU)	1286	980	826	480	53	3625
Hydro Gen (MU)	352	24	160	103	22	661
Wind Gen (MU)	8	106	238	-----	-----	351
Solar Gen (MU)*	18.88	9	44.41	0.81	0.02	73
Energy Shortage (MU)	11.1	0.3	0.0	1.4	1.3	14.0
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	57181 23:21	44758 19:45	39109 19:28	22652 20:11	2695 19:08	163917 19:45

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	0.035	0.00	0.81	7.73	8.54	79.94	11.52

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	10546	0	238.0	143.0	-1.0	86	0.0	
	Haryana	9235	0	198.2	155.0	0.1	230	0.0	
	Rajasthan	10548	0	231.5	95.8	2.3	437	0.0	
	Delhi	5890	0	121.0	106.2	-1.2	79	0.0	
	UP	17937	0	385.3	211.8	0.8	264	1.1	
	Uttarakhand	1957	0	42.4	22.0	0.6	114	0.0	
	HP	1410	13	29.5	1.0	2.9	258	0.5	
	J&K	2072	518	34.6	18.0	-3.3	243	9.4	
	Chandigarh	254	0	5.3	6.1	-0.7	-2	0.0	
	WR	Chhattisgarh	3770	0	88.1	16.3	-0.3	616	0.3
Gujarat		14266	0	301.9	88.6	-0.6	700	0.0	
MP		8180	0	177.4	79.8	-0.7	712	0.0	
Maharashtra		17364	0	368.4	87.8	-5.7	793	0.0	
Goa		423	0	9.0	8.6	-0.3	47	0.0	
DD		341	0	7.5	6.7	0.8	105	0.0	
DNH		764	0	17.7	17.0	0.7	105	0.0	
Essar steel		501	0	10.2	10.5	-0.4	241	0.0	
SR		Andhra Pradesh	6820	0	158.3	5.1	0.3	473	0.0
		Telangana	8038	0	168.5	50.3	-0.1	488	0.0
	Karnataka	7649	0	155.2	16.5	-5.3	562	0.0	
	Kerala	2398	0	42.1	15.9	-0.9	248	0.0	
	Tamil Nadu	14508	0	294.6	77.7	0.5	490	0.0	
	Pondy	344	0	7.1	7.2	-0.1	37	0.0	
	ER	Bihar	4962	0	98.0	96.1	0.0	100	0.0
DVC		2943	0	67.6	-32.1	5.4	380	0.8	
Jharkhand		1027	0	23.3	18.4	-1.1	10	0.0	
Odisha		5240	0	109.5	55.3	4.2	320	0.6	
West Bengal		8959	0	180.9	56.4	6.5	510	0.0	
Sikkim		90	0	1.2	1.4	-0.2	0	0.0	
NER	Arunachal Pradesh	111	10	2.3	2.3	-0.1	39	0.0	
	Assam	1698	117	34.0	27.6	2.1	176	1.1	
	Manipur	162	9	2.1	2.3	-0.2	25	0.0	
	Meghalaya	298	2	5.6	0.5	0.3	35	0.0	
	Mizoram	78	4	1.4	0.9	0.2	19	0.0	
	Nagaland	112	4	2.2	1.8	0.1	32	0.0	
	Tripura	267	4	5.3	4.6	0.3	34	0.1	

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	30.7	-7.3	-15.5
Day peak (MW)	1533.4	-465.5	-986.6

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	325.3	-254.6	-22.6	-45.5	-1.0	1.5
Actual(MU)	320.5	-254.6	-33.2	-24.9	0.1	7.9
O/D/U/D(MU)	-4.8	0.0	-10.5	20.7	1.1	6.4

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	3480	15942	10762	1370	192	31747
State Sector	8350	17796	13020	5125	50	44340
Total	11830	33738	23782	6495	242	76087

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Thermal (Coal & Lignite)	560	1059	340	421	9	2390
Hydro	352	24	160	103	22	661
Nuclear	27	27	24	0	0	78
Gas, Naptha & Diesel	12	39	23	0	26	100
RES (Wind, Solar, Biomass & Others)	40	115	320	1	0	476
Total	991	1264	867	525	57	3704

Share of RES in total generation (%)	4.07	9.08	36.87	0.15	0.07	12.84
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	42.29	13.13	58.09	19.75	39.26	32.79

H. Diversity Factor

All India Demand Diversity Factor	1.015
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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 : 18-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	476	0.0	7.0	-7.0	
2		SASARAM-FATEHPUR	S/C	480	0	5.7	0.0	5.7	
3		GAYA-BALIA	S/C	0	527	0.0	9.8	-9.8	
4		ALIPURDUAR-AGRA	-	0	977	0.0	20.4	-20.4	
5	400 kV	PUSAULI B/B	S/C	0	378	0.0	3.6	-3.6	
6		PUSAULI-VARANASI	S/C	0	298	0.0	0.0	0.0	
7		PUSAULI -ALLAHABAD	S/C	6	104	0.0	0.0	0.0	
8		MUZAFFARPUR-GORAKHPUR	D/C	0	700	0.0	10.6	-10.6	
9		PATNA-BALIA	Q/C	0	1371	0.0	26.8	-26.8	
10		BIHARSHARIFF-BALIA	D/C	0	302	0.0	7.7	-7.7	
11		MOTIHARI-GORAKHPUR	D/C	119	0	5.8	0.0	5.8	
12		BIHARSHARIFF-VARANASI	D/C	25	0	0.5	0.0	0.5	
13		220 kV	PUSAULI-SAHUPURI	S/C	0	171	0.0	3.5	-3.5
14			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		132 kV	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>12.6</b>	<b>89.4</b>	<b>-76.9</b>	
<b>Import/Export of ER (With WR)</b>									
18	765 kV	JHARSUGUDA-DHARAMJAIGARH S/C	D/C	1131	2	18.6	0.0	18.6	
19		NEW RANCHI-DHARAMJAIGARH	D/C	1076	0	19.3	0.0	19.3	
20	400 kV	JHARSUGUDA-RAIGARH	Q/C	1206	0	23.3	0.0	23.3	
21		RANCHI-SIPAT	D/C	499	0	10.0	0.0	10.0	
22	220 kV	BUDHIPADAR-RAIGARH	S/C	172	0	2.3	0.0	2.3	
23		BUDHIPADAR-KORBA	D/C	195	0	3.9	0.0	3.9	
<b>ER-WR</b>						<b>77.4</b>	<b>0.0</b>	<b>77.4</b>	
<b>Import/Export of ER (With SR)</b>									
24	765 kV	ANGUL-SRIKAKULAM	D/C	98.0	984.9	0.0	8.2	-8.2	
25	HVDC	JEYPORE-GAZUWAKA B/B	D/C	306.0	414.1	0.0	6.7	-6.7	
26	LINK	TALCHER-KOLAR BIPOLE	D/C	0.0	1188.0	0.0	14.9	-14.9	
27	400 kV	TALCHER-I/C	D/C	971.6	0.8	0.0	17.3	-17.3	
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>29.8</b>	<b>-29.8</b>	
<b>Import/Export of ER (With NER)</b>									
29	400 kV	BINAGURI-BONGAIGAON	D/C	0	630	0.0	11.0	-11	
30		ALIPURDUAR-BONGAIGAON	D/C	52	183	0.0	1.9	-2	
31	220 kV	ALIPURDUAR-SALAKATI	D/C	0	124	0.0	2.1	-2	
<b>ER-NER</b>						<b>0.0</b>	<b>15.0</b>	<b>-15.0</b>	
<b>Import/Export of NER (With NR)</b>									
32	HVDC	BISWANATH CHARIALI-AGRA	-	0	700	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	45.0	-45.0	
34		V'CHAL B/B	D/C	0	0	0.7	3.1	-2.4	
35		APL -MHG	D/C	0	0	0.0	43.8	-43.8	
36		GWALIOR-AGRA	D/C	0	0	0.0	58.3	-58.3	
37	765 kV	PHAGI-GWALIOR	D/C	0	0	0.0	32.9	-32.9	
38		JABALPUR-ORAI	D/C	0	0	0.0	31.2	-31.2	
39		GWALIOR-ORAI	S/C	0	0	8.9	0.0	8.9	
40		SATNA-ORAI	S/C	0	0	0.0	42.7	-42.7	
41		400 kV	ZERDA-KANKROLI	S/C	0	0	0.0	0.0	0.0
42			ZERDA -BHINMAL	S/C	0	0	0.0	2.3	-2.3
43	V'CHAL -RIHAND		S/C	0	0	22.2	0.0	22.2	
44	RAPP-SHUJALPUR		D/C	0	0	0	4	-4	
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	0.2	0.1	0.1	
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>32.1</b>	<b>266.4</b>	<b>-234.2</b>	
<b>Import/Export of WR (With SR)</b>									
50	HVDC	BHADRAWATI B/B	-	0	0	4.8	0.2	4.6	
51	LINK	BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0	
52	765 kV	SOLAPUR-RAICHUR	D/C	0	0	22.9	0.0	22.9	
53		WARDHA-NIZAMABAD	D/C	0	0	0.0	5.4	-5.4	
54	400 kV	KOLHAPUR-KUDGI	D/C	0	0	17.9	0.0	17.9	
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>45.6</b>	<b>5.7</b>	<b>40.0</b>	
<b>TRANSNATIONAL EXCHANGE</b>									
58		BHUTAN						<b>30.7</b>	
59		NEPAL						<b>-7.3</b>	
60		BANGLADESH						<b>-15.5</b>	