



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> Aug 2019

To,

- कार्यकारी निदेशक, पू.क्षे.भा.प्रे.के., 14, गोल्फ क्लब रोड, कोलकाता - 700033  
Executive Director, ERLDC, 14 Golf Club Road, Tollygunge, Kolkata, 700033
- कार्यकारी निदेशक, ऊ.क्षे.भा.प्रे.के., 18/ ए, शहीद जीत सिंह सनसनवाल मार्ग, नई दिल्ली - 110016  
Executive Director, NRLDC, 18-A, Shaheed Jeet Singh Marg, Katwaria Sarai, New Delhi - 110016
- 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
- मुख्य महाप्रबंधक, ऊ. पू.क्षे.भा.प्रे.के., डोंगतेिह, लोअर नोंग्रह, लापलंग, शिलोंग - 793006  
Chief General Manager, NERLDC, Dongteih, Lower Nongrah, Lapalang, Shillong - 793006, Meghalaya
- कार्यकारी निदेशक, द.क्षे.भा.प्रे.के., 29, रेस कोर्स क्रॉस रोड, बंगलुरु -560009  
Executive Director, SRLDC, 29, Race Course Cross Road, Bangalore-560009

**Sub: Daily PSP Report for the date 16.08.2019.**

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 16-अगस्त-2019 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 2019, is available at the NLDC website.

धन्यवाद,

Report for previous day

Date of Reporting

17-Aug-19

A. Power Supply Position at All India and Regional level

	NR	WR	SR	ER	NER	Total
Demand Met during Evening Peak hrs(MW) (at 2000 hrs; from RLDCs)	52026	41772	40121	21033	2824	157776
Peak Shortage (MW)	488	42	0	0	130	660
Energy Met (MU)	1152	911	932	457	51	3502
Hydro Gen (MU)	359	106	127	129	23	744
Wind Gen (MU)	27	116	140	-----	-----	283
Solar Gen (MU)*	15.61	12.37	77.32	2.05	0.03	107
Energy Shortage (MU)	9.2	0.1	0.0	0.0	1.1	10.4
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	53113 20:54	43179 19:40	42117 07:43	22030 20:20	2875 19:05	160386 19:55

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	0.044	0.00	0.31	4.26	4.57	61.81	33.62

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	10577	0	226.5	142.2	-1.7	65	0.0
	Haryana	8436	0	177.7	147.6	-0.6	194	0.0
	Rajasthan	6903	0	156.0	42.2	-4.6	258	0.0
	Delhi	5073	0	107.7	91.5	-0.9	143	0.0
	UP	19433	0	377.1	181.8	-0.4	613	0.0
	Uttarakhand	1747	0	36.1	12.6	-0.6	81	0.0
	HP	1284	0	26.6	-6.2	-0.4	25	0.0
	J&K	1953	488	38.5	17.7	1.5	434	9.2
WR	Chandigarh	282	0	5.6	6.5	-0.9	10	0.0
	Chhattisgarh	3956	0	88.3	26.0	2.7	468	0.1
	Gujarat	12091	0	258.5	59.5	0.0	603	0.0
	MP	7207	0	149.7	40.3	-3.4	234	0.0
	Maharashtra	17311	0	378.1	115.4	1.7	636	0.0
	Goa	541	0	11.3	10.6	0.2	68	0.0
	DD	326	0	6.3	5.9	0.4	47	0.0
	DNH	750	0	16.2	16.4	-0.2	47	0.0
SR	Essar steel	156	0	2.5	1.7	0.9	322	0.0
	Andhra Pradesh	8635	0	183.3	24.5	1.5	704	0.0
	Telangana	10180	0	213.1	73.9	1.6	738	0.0
	Karnataka	8534	0	164.2	31.4	-0.5	707	0.0
	Kerala	3291	0	62.5	45.6	1.7	234	0.0
	Tamil Nadu	13633	0	301.6	141.3	1.4	731	0.0
	Pondy	336	0	7.0	7.5	-0.5	36	0.0
	ER	Bihar	5436	0	108.1	104.2	-0.2	50
DVC		2922	0	61.4	-25.9	0.7	225	0.0
Jharkhand		1075	0	25.2	15.2	0.4	60	0.0
Odisha		5151	0	103.9	39.0	2.5	260	0.0
West Bengal		7620	0	157.1	73.6	3.4	400	0.0
NER	Sikkim	72	0	0.8	1.3	-0.5	20	0.0
	Arunachal Pradesh	128	2	2.0	2.5	-0.5	51	0.0
	Assam	1798	80	33.2	26.8	1.7	123	1.0
	Manipur	160	1	2.4	2.2	0.1	28	0.0
	Meghalaya	310	0	5.5	1.0	-0.5	35	0.0
	Mizoram	97	2	1.3	0.7	0.4	34	0.0
	Nagaland	136	1	2.2	2.3	-0.3	54	0.0
	Tripura	305	2	4.5	3.8	-0.5	45	0.0

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	43.4	-5.0	-20.3
Day peak (MW)	2058.5	-314.0	-958.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	248.8	-262.6	37.0	-28.0	4.9	0.2
Actual(MU)	220.2	-264.4	64.3	-28.3	3.4	-4.7
O/D/U/D(MU)	-28.6	-1.8	27.3	-0.3	-1.5	-4.9

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	4703	18468	9132	2105	703	35110
State Sector	9470	19279	10120	7880	50	46799
Total	14173	37747	19252	9985	752	81909

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Coal	469	882	385	350	6	2091
Lignite	16	6	38	0	0	60
Hydro	359	106	127	129	23	744
Nuclear	28	29	58	0	0	115
Gas, Naptha & Diesel	26	37	16	0	21	101
RES (Wind, Solar, Biomass & Others)	59	137	249	2	0	447
Total	957	1197	872	481	51	3558

Share of RES in total generation (%)	6.20	11.42	28.51	0.44	0.06	12.56
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	46.60	22.72	49.69	27.32	46.18	36.71

H. Diversity Factor

All India Demand Diversity Factor	1.018
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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-19

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	403	64	5.3	0.0	5.3
2		SASARAM-FATEHPUR	S/C	396	0	6.3	0.0	6.3
3		GAYA-BALIA	S/C	0	277	0.0	3.2	-3.2
4		ALIPURDUAR-AGRA	-	0	1351	0.0	34.3	-34.3
5		PUSAULI B/B	S/C	0	198	0.0	4.8	-4.8
6	400 kV	PUSAULI-VARANASI	S/C	0	239	0.0	5.8	-5.8
7		PUSAULI -ALLAHABAD	S/C	33	29	0.4	0.0	0.4
8		MUZAFFARPUR-GORAKHPUR	D/C	104	325	0.0	2.3	-2.3
9		PATNA-BALIA	Q/C	17	490	0.0	3.0	-3.0
10		BIHARSHARIFF-BALIA	D/C	42	137	0.0	0.4	-0.4
11		MOTIHARI-GORAKHPUR	D/C	0	0	0.0	0.0	0.0
12		BIHARSHARIFF-VARANASI	D/C	355	0	6.1	0.0	6.1
13	220 kV	PUSAULI-SAHUPURI	S/C	0	186	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	30	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>18.5</b>	<b>57.0</b>	<b>-38.5</b>
<b>Import/Export of ER (With WR)</b>								
18	765 kV	JHARSUGUDA-DHARAMAJGARH	Q/C	2033	0	37.7	0.0	37.7
19		NEW RANCHI-DHARAMAJGARH	D/C	1454	0	26.0	0.0	26.0
20		JHARSUGUDA-DURG	D/C	381	0	6.0	0.0	6.0
21	400 kV	JHARSUGUDA-RAIGARH	Q/C	577	0	9.3	0.0	9.3
22		RANCHI-SIPAT	D/C	506	1	5.7	0.0	5.7
23	220 kV	BUDHIPADAR-RAIGARH	S/C	22	53	0.0	0.3	-0.3
24		BUDHIPADAR-KORBA	D/C	161	0	2.8	0.0	2.8
<b>ER-WR</b>						<b>87.5</b>	<b>0.3</b>	<b>87.2</b>
<b>Import/Export of ER (With SR)</b>								
25	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	1769.0	0.0	25.4	-25.4
26	HVDC	JEYPORE-GAZUWAKA B/B	D/C	0.0	225.0	0.0	5.1	-5.1
27	LINK	TALCHER-KOLAR BIPOLE	D/C	0.0	2476.0	0.0	35.9	-35.9
28	400 kV	TALCHER-I/C	D/C	31.0	1419.0	0.0	11.2	-11.2
29	220 kV	BALIMELA-UPPER-SILERRU	S/C	1.0	0.0	0.0	0.0	0.0
<b>ER-SR</b>						<b>0.0</b>	<b>66.4</b>	<b>-66.4</b>
<b>Import/Export of ER (With NER)</b>								
30	400 kV	BINAGURI-BONGAIGAON	D/C	0	696	0.0	12.4	-12
31		ALIPURDUAR-BONGAIGAON	D/C	47	267	0.0	2.5	-3
32	220 kV	ALIPURDUAR-SALAKATI	D/C	0	139	0.0	2.6	-3
<b>ER-NER</b>						<b>0.0</b>	<b>17.5</b>	<b>-17.5</b>
<b>Import/Export of NER (With NR)</b>								
33	HVDC	BISWANATH CHARIALI-AGRA	-	0	607	0.0	14.6	-14.6
<b>NER-NR</b>						<b>0.0</b>	<b>14.6</b>	<b>-14.6</b>
<b>Import/Export of WR (With NR)</b>								
34	HVDC	CHAMPA-KURUKSHETRA	D/C	0	2002	0.0	37.9	-37.9
35		V'CHAL B/B	D/C	362	0	7.1	0.0	7.1
36		APL -MHG	D/C	0	1356	0.0	17.1	-17.1
37	765 kV	GWALIOR-AGRA	D/C	0	2368	0.0	47.0	-47.0
38		PHAGI-GWALIOR	D/C	0	959	0.0	16.5	-16.5
39		JABALPUR-ORAI	D/C	796	900	0.0	33.1	-33.1
40		GWALIOR-ORAI	S/C	286	0	4.6	0.0	4.6
41		SATNA-ORAI	S/C	0	1341	0.0	27.2	-27.2
42		CHITTORGARH-BANASKANTHA	D/C	0	1084	0.0	16.4	16.4
43		ZERDA-KANKROLI	S/C	29	160	0.0	1.6	-1.6
44	400 kV	ZERDA -BHINMAL	S/C	158	190	0.5	1.0	-0.5
45		V'CHAL -RIHAND	S/C	964	0	22.4	0.0	22.4
46		RAPP-SHUJALPUR	D/C	36	434	0	5	-5
47	220 kV	BHANPURA-RANPUR	S/C	21	41	0.1	0.3	-0.3
48		BHANPURA-MORAK	S/C	0	150	0.0	2.1	-2.1
49		MEHGAON-AURAIYA	S/C	36	31	0.2	0.2	0.0
50		MALANPUR-AURAIYA	S/C	12	58	0.0	0.7	-0.7
51	132kV	GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0
<b>WR-NR</b>						<b>34.9</b>	<b>206.2</b>	<b>-138.6</b>
<b>Import/Export of WR (With SR)</b>								
52	HVDC	BHADRAWATI B/B	-	0	1006	0.0	13.1	-13.1
53	LINK	BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0
54	765 kV	SOLAPUR-RAICHUR	D/C	1426	1380	0.0	2.8	-2.8
55		WARDHA-NIZAMABAD	D/C	418	1980	0.0	25.5	-25.5
56	400 kV	KOLHAPUR-KUDGI	D/C	1239	0	16.6	0.0	16.6
57	220 kV	KOLHAPUR-CHIKODI	D/C	0	0	0.0	0.0	0.0
58		PONDA-AMBEWADI	S/C	0	62	0.0	1.2	-1.2
59		XELDEM-AMBEWADI	S/C	0	38	0.7	0.0	0.7
<b>WR-SR</b>						<b>17.3</b>	<b>42.6</b>	<b>-25.2</b>
<b>TRANSNATIONAL EXCHANGE</b>								
60		BHUTAN						<b>43.4</b>
61		NEPAL						<b>-5.0</b>
62		BANGLADESH						<b>-20.3</b>