



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: 19<sup>th</sup> Aug 2019

To,

1. कार्यकारी निदेशक, पू.क्षे.भा.प्रे.के., 14, गोल्फ क्लब रोड, कोलकाता - 700033  
Executive Director, ERLDC, 14 Golf Club Road, Tollygunge, Kolkata, 700033
2. 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
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. 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
5. 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 18.08.2019.**

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 18-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 18<sup>th</sup> August 2019, is available at the NLDC website.

धन्यवाद,

Report for previous day

Date of Reporting

19-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)	43515	42754	36364	19679	2657	144969
Peak Shortage (MW)	2701	0	0	0	203	2904
Energy Met (MU)	961	989	851	423	52	3275
Hydro Gen (MU)	278	96	137	131	22	664
Wind Gen (MU)	32	68	64	-----	-----	164
Solar Gen (MU)*	27.86	16.2	44.22	1.85	0.04	90
Energy Shortage (MU)	14.7	0.0	0.0	0.0	1.4	16.1
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	47047 21:09	43424 19:36	38368 09:13	20624 20:51	2655 19:14	148061 21:00

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	0.058	0.59	2.09	9.59	12.28	73.62	14.10

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	6257	0	124.2	113.7	-9.4	90	0.0
	Haryana	6664	168	125.4	125.7	-1.3	295	1.4
	Rajasthan	7691	0	163.0	39.1	-0.8	320	0.0
	Delhi	4408	0	89.1	73.5	-0.8	147	0.1
	UP	17945	700	353.2	162.5	1.6	722	0.0
	Uttarakhand	1424	0	30.0	13.3	1.7	275	4.4
	HP	1146	0	34.0	-0.8	4.2	935	0.0
	J&K	2048	512	38.8	15.6	2.3	591	8.9
WR	Chandigarh	195	0	3.6	4.8	-1.2	15	0.0
	Chhattisgarh	4099	0	96.0	33.9	0.5	221	0.0
	Gujarat	12439	0	282.4	64.9	4.2	373	0.0
	MP	7574	0	169.2	78.5	-3.1	272	0.0
	Maharashtra	17739	0	399.2	131.9	-0.7	689	0.0
	Goa	541	0	11.7	10.3	0.8	34	0.0
	DD	312	0	7.1	6.6	0.5	51	0.0
	DNH	778	0	18.4	18.5	-0.1	25	0.0
SR	Essar steel	287	0	4.7	4.9	-0.2	262	0.0
	Andhra Pradesh	7415	0	164.1	33.1	0.6	698	0.0
	Telangana	10308	0	217.0	77.2	0.3	478	0.0
	Karnataka	7439	0	142.7	34.6	-0.8	645	0.0
	Kerala	3060	0	60.0	44.3	1.3	242	0.0
	Tamil Nadu	11604	0	260.2	133.5	-0.4	489	0.0
	Pondy	308	0	6.5	6.9	-0.4	32	0.0
	ER	Bihar	5179	0	104.9	99.7	0.8	490
DVC		2863	0	60.6	-22.5	-0.6	260	0.0
Jharkhand		1061	0	21.8	13.1	-0.6	120	0.0
Odisha		4351	0	89.8	32.2	0.4	360	0.0
West Bengal		7277	0	144.9	67.6	4.3	510	0.0
NER	Sikkim	50	0	0.6	1.0	-0.4	20	0.0
	Arunachal Pradesh	126	3	2.3	2.4	-0.1	95	0.0
	Assam	1734	114	33.3	28.4	0.5	138	1.3
	Manipur	164	2	2.3	2.4	-0.1	21	0.0
	Meghalaya	304	0	5.3	1.2	-0.2	100	0.0
	Mizoram	86	3	1.7	0.7	0.3	18	0.0
	Nagaland	125	2	2.2	2.1	-0.2	35	0.0
	Tripura	286	7	4.5	3.9	-0.1	96	0.0

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	46.5	-5.5	-25.2
Day peak (MW)	2073.3	-432.7	-1124.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	197.7	-221.8	44.3	-25.2	4.8	-0.2
Actual(MU)	175.3	-230.4	62.9	-13.4	5.6	0.0
O/D/U/D(MU)	-22.4	-8.6	18.7	11.7	0.8	0.2

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	6213	17308	8182	1895	703	34301
State Sector	16480	18464	9310	7490	50	51793
Total	22693	35771	17492	9385	752	86094

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Coal	356	965	407	329	8	2064
Lignite	19	8	42	0	0	70
Hydro	278	96	137	131	22	664
Nuclear	27	32	55	0	0	114
Gas, Naptha & Diesel	35	38	14	0	23	110
RES (Wind, Solar, Biomass & Others)	75	91	138	2	0	306
Total	791	1230	794	461	52	3329

Share of RES in total generation (%)	9.52	7.42	17.35	0.41	0.08	9.20
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	48.12	17.82	41.54	28.79	42.05	32.58

H. Diversity Factor

All India Demand Diversity Factor	1.027
-----------------------------------	-------

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 : 19-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	500	136	4.7	0.0	4.7
2		SASARAM-FATEHPUR	S/C	453	23	5.2	0.0	5.2
3		GAYA-BALIA	S/C	2	303	0.0	3.5	-3.5
4		ALIPURDUAR-AGRA	-	0	1351	0.0	32.6	-32.6
5		PUSAULI B/B	S/C	0	198	0.0	5.0	-5.0
6	400 kV	PUSAULI-VARANASI	S/C	0	263	0.0	5.2	-5.2
7		PUSAULI -ALLAHABAD	S/C	56	30	0.0	0.5	-0.5
8		MUZAFFARPUR-GORAKHPUR	D/C	196	505	0.0	3.3	-3.3
9		PATNA-BALIA	Q/C	109	574	0.0	5.4	-5.4
10		BIHARSHARIFF-BALIA	D/C	66	161	0.0	0.9	-0.9
11		MOTIHARI-GORAKHPUR	D/C	0	0	0.0	0.0	0.0
12		BIHARSHARIFF-VARANASI	D/C	408	0	4.9	0.0	4.9
13	220 kV	PUSAULI-SAHUPURI	S/C	0	173	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	0.3	0.0	0.3
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>15.1</b>	<b>59.5</b>	<b>-44.4</b>
<b>Import/Export of ER (With WR)</b>								
18	765 kV	JHARSUGUDA-DHARAMJAIGARH	Q/C	2174	0	40.4	0.0	40.4
19		NEW RANCHI-DHARAMJAIGARH	D/C	1260	0	22.3	0.0	22.3
20		JHARSUGUDA-DURG	D/C	324	0	5.3	0.0	5.3
21	400 kV	JHARSUGUDA-RAIGARH	Q/C	459	0	7.8	0.0	7.8
22		RANCHI-SIPAT	D/C	425	0	7.9	0.0	7.9
23	220 kV	BUDHIPADAR-RAIGARH	S/C	15	67	0.0	0.6	-0.6
24		BUDHIPADAR-KORBA	D/C	156	0	2.7	0.0	2.7
<b>ER-WR</b>						<b>86.4</b>	<b>0.6</b>	<b>85.8</b>
<b>Import/Export of ER (With SR)</b>								
25	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	1830.0	0.0	25.3	-25.3
26	HVDC	JEYPORE-GAZUWAKA B/B	D/C	0.0	428.0	0.0	10.0	-10.0
27	LINK	TALCHER-KOLAR BIPOLE	D/C	0.0	1976.0	0.0	29.7	-29.7
28	400 kV	TALCHER-I/C	D/C	172.0	940.0	0.0	4.3	-4.3
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>64.9</b>	<b>-64.9</b>
<b>Import/Export of ER (With NER)</b>								
30	400 kV	BINAGURI-BONGAIGAON	D/C	0	682	0.0	11.8	-12
31		ALIPURDUAR-BONGAIGAON	D/C	15	325	0.0	3.5	-4
32	220 kV	ALIPURDUAR-SALAKATI	D/C	0	149	0.0	2.5	-3
<b>ER-NER</b>						<b>0.0</b>	<b>17.8</b>	<b>-17.8</b>
<b>Import/Export of NER (With NR)</b>								
33	HVDC	BISWANATH CHARIALI-AGRA	-	602	0	0.0	14.4	-14.4
<b>NER-NR</b>						<b>0.0</b>	<b>14.4</b>	<b>-14.4</b>
<b>Import/Export of WR (With NR)</b>								
34	HVDC	CHAMPA-KURUKSHETRA	D/C	0	2002	0.0	18.0	-18.0
35		V'CHAL B/B	D/C	451	0	8.8	0.0	8.8
36		APL -MHG	D/C	0	982	0.0	22.4	-22.4
37	765 kV	GWALIOR-AGRA	D/C	0	2569	0.0	39.4	-39.4
38		PHAGI-GWALIOR	D/C	0	1376	0.0	16.2	-16.2
39		JABALPUR-ORAI	D/C	691	944	0.0	27.2	-27.2
40		GWALIOR-ORAI	S/C	358	0	5.6	0.0	5.6
41		SATNA-ORAI	S/C	0	1408	0.0	27.0	-27.0
42		CHITTORGARH-BANASKANTHA	D/C	9	1002	0.0	5.9	5.9
43		ZERDA-KANKROLI	S/C	139	185	0.8	0.8	0.0
44	400 kV	ZERDA -BHINMAL	S/C	328	108	3.2	0.3	2.9
45		V'CHAL -RIHAND	S/C	972	0	22.6	0.0	22.6
46		RAPP-SHUJALPUR	D/C	221	405	0	1	-1
47	220 kV	BHANPURA-RANPUR	S/C	22	62	0.1	0.5	-0.4
48		BHANPURA-MORAK	S/C	3	87	0.0	1.1	-1.1
49		MEHGAON-AURAIYA	S/C	72	4	0.7	0.0	0.7
50		MALANPUR-AURAIYA	S/C	36	28	0.1	0.1	0.0
51	132kV	GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0
<b>WR-NR</b>						<b>41.9</b>	<b>159.9</b>	<b>-106.1</b>
<b>Import/Export of WR (With SR)</b>								
52	HVDC	BHADRAWATI B/B	-	0	806	0.0	6.9	-6.9
53	LINK	BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0
54	765 kV	SOLAPUR-RAICHUR	D/C	905	1457	0.0	0.7	-0.7
55		WARDHA-NIZAMABAD	D/C	853	2369	0.0	32.9	-32.9
56	400 kV	KOLHAPUR-KUDGI	D/C	980	0	15.4	0.0	15.4
57	220 kV	KOLHAPUR-CHIKODI	D/C	0	0	0.0	0.0	0.0
58		PONDA-AMBEWADI	S/C	0	56	0.0	1.0	-1.0
59		XELDEM-AMBEWADI	S/C	0	34	0.6	0.0	0.6
<b>WR-SR</b>						<b>16.0</b>	<b>41.5</b>	<b>-25.5</b>
<b>TRANSNATIONAL EXCHANGE</b>								
60		BHUTAN						<b>46.5</b>
61		NEPAL						<b>-5.5</b>
62		BANGLADESH						<b>-25.2</b>