



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: 04<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., डोंगतेह, 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 03.08.2019.**

महोदय/Dear Sir,

आईंईंजींसीं-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 03-अगस्त-2019 की अखिल भारतीय प्रणाली की दैनिक ग्रिड निष्पादन रिपोर्ट रांभांप्रेंकें 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 3<sup>rd</sup> August 2019, 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

4-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)	54130	42290	37586	21630	2842	158478
Peak Shortage (MW)	1569	37	0	400	160	2166
Energy Met (MU)	1215	951	869	474	54	3564
Hydro Gen (MU)	332	23	61	137	30	583
Wind Gen (MU)	16	131	191	-----	-----	339
Solar Gen (MU)*	20.69	13.4	49.06	2.17	0.05	85
Energy Shortage (MU)	13.7	0.1	0.0	1.2	1.1	16.1
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	56989 22:18	43587 19:33	38239 09:26	22541 23:18	2899 19:50	160836 19:32

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	0.72	6.70	7.42	80.46	12.12

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	9118	0	207.1	135.0	-1.7	72	0.0
	Haryana	8534	0	182.9	152.1	-0.8	134	0.0
	Rajasthan	8419	0	189.7	60.6	-2.5	414	0.0
	Delhi	5444	0	112.2	94.2	0.9	322	0.0
	UP	20726	0	407.9	195.1	-0.7	916	3.8
	Uttarakhand	1783	0	39.8	15.1	0.0	143	0.0
	HP	1423	0	28.8	-2.5	-0.2	114	0.0
	J&K	2073	518	41.7	19.4	2.7	348	10.0
WR	Chandigarh	242	0	5.2	5.6	-0.5	42	0.0
	Chhattisgarh	3818	0	87.5	23.5	0.5	278	0.1
	Gujarat	12557	0	276.7	42.3	1.1	390	0.0
	MP	8335	0	187.9	94.5	0.4	634	0.0
	Maharashtra	16601	0	356.6	97.0	0.2	534	0.0
	Goa	541	0	11.8	10.5	0.7	42	0.0
	DD	309	0	7.1	6.8	0.3	35	0.0
	DNH	771	0	17.9	18.1	-0.2	36	0.0
SR	Essar steel	319	0	6.0	6.0	0.0	332	0.0
	Andhra Pradesh	6796	0	153.3	2.4	-1.0	392	0.0
	Telangana	6898	0	144.5	54.3	0.8	541	0.0
	Karnataka	9539	0	179.9	28.7	-0.6	516	0.0
	Kerala	3511	0	72.1	59.7	3.2	295	0.0
	Tamil Nadu	13742	0	311.5	139.4	1.3	715	0.0
	Pondy	374	0	8.0	8.1	-0.1	42	0.0
	ER	Bihar	5592	0	109.1	106.2	0.0	100
DVC		2901	0	62.3	-33.1	-0.9	200	0.0
Jharkhand		1173	0	24.8	16.4	0.0	120	0.0
Odisha		4648	0	97.6	37.5	8.9	650	1.2
West Bengal		8752	0	178.9	82.2	0.8	250	0.0
Sikkim		76	0	0.8	1.3	-0.4	5	0.0
NER	Arunachal Pradesh	130	3	2.2	3.0	-0.7	36	0.0
	Assam	1800	102	34.3	28.1	1.0	187	1.0
	Manipur	171	3	2.7	2.4	0.3	29	0.1
	Meghalaya	313	0	5.7	0.4	-0.3	69	0.0
	Mizoram	88	1	1.8	1.2	0.3	42	0.0
	Nagaland	132	2	2.3	2.1	-0.2	45	0.0
	Tripura	285	7	5.4	4.4	0.2	57	0.0

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	42.5	-4.2	-26.0
Day peak (MW)	1924.9	-367.5	-1132.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	296.3	-291.6	12.9	-10.1	-6.9	0.7
Actual(MU)	297.3	-316.0	20.1	3.3	-6.1	-1.4
O/D/U/D(MU)	1.0	-24.4	7.2	13.4	0.8	-2.1

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	5376	18018	9422	3125	365	36306
State Sector	10675	20013	9780	6810	50	47327
Total	16051	38030	19202	9935	415	83633

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Coal	483	1007	390	353	8	2241
Lignite	14	12	50	0	0	76
Hydro	332	23	61	137	30	583
Nuclear	27	31	60	0	0	119
Gas, Naptha & Diesel	30	39	16	0	29	113
RES (Wind, Solar, Biomass & Others)	53	155	280	2	0	490
Total	940	1266	857	493	66	3622

Share of RES in total generation (%)	5.67	12.22	32.61	0.44	0.08	13.52
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	43.87	16.53	46.78	28.27	44.98	32.90

H. Diversity Factor

All India Demand Diversity Factor	1.021
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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 :	4-Aug-19
Sl No	Voltage Level	Line Details	Circuit	Max Import (MW)	Max Export (MW)	Import (MU)	Export (MU)	NET (MU)	
								Import=(+ve) /Export =(-ve) for NET (MU)	
<b>Import/Export of ER (With NR)</b>									
1	765kV	GAYA-VARANASI	D/C	258	100	1.4	0.0	1.4	
2		SASARAM-FATEHPUR	S/C	312	0	4.1	0.0	4.1	
3		GAYA-BALIA	S/C	0	386	0.0	5.8	-5.8	
4	HVDC	ALIPURDUAR-AGRA	-	0	1703	0.0	40.5	-40.5	
5		PUSAULI B/B	S/C	0	397	0.0	7.6	-7.6	
6	400 kV	PUSAULI-VARANASI	S/C	0	304	0.0	5.6	-5.6	
7		PUSAULI -ALLAHABAD	S/C	0	141	0.0	1.8	-1.8	
8		MUZAFFARPUR-GORAKHPUR	D/C	69	483	0.0	4.5	-4.5	
9		PATNA-BALIA	Q/C	0	582	0.0	11.1	-11.1	
10		BIHARSHARIFF-BALIA	D/C	0	294	0.0	4.2	-4.2	
11		MOTIHARI-GORAKHPUR	D/C	0	213	0.0	3.8	-3.8	
12		BIHARSHARIFF-VARANASI	D/C	257	0	3.5	0.0	3.5	
13	220 kV	PUSAULI-SAHUPURI	S/C	33	184	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>9.4</b>	<b>88.1</b>	<b>-78.7</b>	
<b>Import/Export of ER (With WR)</b>									
18	765 kV	JHARSUGUDA-DHARAMJAIGARH	Q/C	2384	0	40.6	0.0	40.6	
19		NEW RANCHI-DHARAMJAIGARH	D/C	1494	0	28.4	0.0	28.4	
20		JHARSUGUDA-DURG	D/C	503	0	8.7	0.0	8.7	
21	400 kV	JHARSUGUDA-RAIGARH	Q/C	577	0	8.9	0.0	8.9	
22		RANCHI-SIPAT	D/C	543	0	10.4	0.0	10.4	
23	220 kV	BUDHIPADAR-RAIGARH	S/C	30	56	0.0	0.4	-0.4	
24		BUDHIPADAR-KORBA	D/C	264	0	5.3	0.0	5.3	
<b>ER-WR</b>						<b>102.2</b>	<b>0.4</b>	<b>101.8</b>	
<b>Import/Export of ER (With SR)</b>									
25	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	1562.0	0.0	21.9	-21.9	
26	HVDC	JEYPORE-GAZUWAKA B/B	D/C	497.0	0.0	10.7	0.0	10.7	
27	LINK	TALCHER-KOLAR BIPOLE	D/C	0.0	991.0	0.0	15.1	-15.1	
28	400 kV	TALCHER-I/C	D/C	427.0	427.0	0.3	0.0	0.3	
29	220 kV	BALIMELA-UPPER-SILERRU	S/C	1.0	0.0	0.0	0.0	0.0	
<b>ER-SR</b>						<b>10.7</b>	<b>37.0</b>	<b>-26.4</b>	
<b>Import/Export of ER (With NER)</b>									
30	400 kV	BINAGURI-BONGAIGAON	D/C	0	845	0.0	13.1	-13	
31		ALIPURDUAR-BONGAIGAON	D/C	211	270	0.5	0.0	0	
32	220 kV	ALIPURDUAR-SALAKATI	D/C	0	104	0.0	1.0	-1	
<b>ER-NER</b>						<b>0.5</b>	<b>14.1</b>	<b>-13.7</b>	
<b>Import/Export of NER (With NR)</b>									
33	HVDC	BISWANATH CHARIALI-AGRA	-	0	1004	0.0	22.6	-22.6	
<b>NER-NR</b>						<b>0.0</b>	<b>22.6</b>	<b>-22.6</b>	
<b>Import/Export of WR (With NR)</b>									
34	HVDC	CHAMPA-KURUKSHETRA	D/C	0	2503	0.0	47.3	-47.3	
35		V'CHAL B/B	D/C	452	0	0.0	0.0	0.0	
36		APL -MHG	D/C	0	1734	0.0	37.7	-37.7	
37	765 kV	GWALIOR-AGRA	D/C	0	2539	0.0	43.6	-43.6	
38		PHAGI-GWALIOR	D/C	0	1005	0.0	17.0	-17.0	
39		JABALPUR-ORAI	D/C	0	1028	0.0	36.9	-36.9	
40		GWALIOR-ORAI	S/C	342	0	6.8	0.0	6.8	
41		SATNA-ORAI	S/C	0	1340	0.0	27.5	-27.5	
42		CHITTORGARH-BANASKANTHA	D/C	0	969	0.0	8.9	8.9	
43		ZERDA-KANKROLI	S/C	43	192	0.0	1.8	-1.7	
44	400 kV	ZERDA -BHINMAL	S/C	232	261	0.2	2.9	-2.8	
45		V'CHAL -RIHAND	S/C	479	0	11.2	0.0	11.2	
46	220 kV	RAPP-SHUJALPUR	D/C	160	337	0	1	-1	
47		BHANPURA-RANPUR	S/C	59	68	0.1	0.5	-0.4	
48		BHANPURA-MORAK	S/C	6	128	0.0	1.2	-1.2	
49		MEHGAON-AURAIYA	S/C	93	0	1.0	0.0	1.0	
50	132kV	MALANPUR-AURAIYA	S/C	55	20	0.3	0.1	0.2	
51		GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0	
<b>WR-NR</b>						<b>19.5</b>	<b>226.9</b>	<b>-189.5</b>	
<b>Import/Export of WR (With SR)</b>									
52	HVDC	BHADRAWATI B/B	-	0	207	0.0	0.0	0.0	
53	LINK	BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0	
54	765 kV	SOLAPUR-RAICHUR	D/C	696	1207	3.3	4.3	-0.9	
55		WARDHA-NIZAMABAD	D/C	0	1350	0.0	14.4	-14.4	
56	400 kV	KOLHAPUR-KUDGI	D/C	743	0	10.0	0.0	10.0	
57	220 kV	KOLHAPUR-CHIKODI	D/C	0	0	0.0	0.0	0.0	
58		PONDA-AMBEWADI	S/C	0	53	0.0	1.1	-1.1	
59		XELDEM-AMBEWADI	S/C	0	30	0.6	0.0	0.6	
<b>WR-SR</b>						<b>13.9</b>	<b>19.7</b>	<b>-5.8</b>	
<b>TRANSNATIONAL EXCHANGE</b>									
60		BHUTAN						<b>42.5</b>	
61		NEPAL						<b>-4.2</b>	
62		BANGLADESH						<b>-26.0</b>	