



**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: 11<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., डोंगतिह, 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 10.08.2019.**

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 10-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 10<sup>th</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

11-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)	55284	41838	37935	22288	2859	160204
Peak Shortage (MW)	1588	0	0	0	163	1751
Energy Met (MU)	1272	916	852	479	55	3574
Hydro Gen (MU)	354	76	118	122	25	695
Wind Gen (MU)	41	161	211	-----	-----	412
Solar Gen (MU)*	23.90	6.49	60.59	2.05	0.05	93
Energy Shortage (MU)	8.7	0.0	0.0	0.0	0.2	8.9
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	58526 22:58	43300 19:27	37724 19:23	23084 20:47	2891 00:00	162124 20:12

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	0.066	0.20	2.23	11.59	14.02	64.28	21.70

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	10836	0	240.8	143.5	-3.4	26	0.0
	Haryana	9113	0	202.2	168.0	-1.7	168	0.0
	Rajasthan	8809	0	192.2	50.3	-4.9	321	0.0
	Delhi	5408	0	112.4	95.8	0.7	282	0.0
	UP	20586	160	409.2	190.8	-0.1	538	0.0
	Uttarakhand	1994	0	43.8	18.4	0.6	95	0.0
	HP	1445	0	29.3	-0.4	-3.1	88	0.0
	J&K	2110	528	36.3	16.7	0.1	281	8.7
WR	Chandigarh	280	0	5.8	6.8	-1.0	-15	0.0
	Chhattisgarh	3818	0	84.0	24.0	0.4	903	0.0
	Gujarat	11418	0	245.4	29.2	3.7	891	0.0
	MP	8518	0	182.2	74.9	-1.9	532	0.0
	Maharashtra	17110	0	364.7	100.1	1.6	618	0.0
	Goa	541	0	10.3	9.7	0.0	108	0.0
	DD	346	0	7.7	6.9	0.8	63	0.0
	DNH	782	0	18.1	18.2	-0.1	53	0.0
SR	Essar steel	233	0	4.1	3.9	0.2	311	0.0
	Andhra Pradesh	7900	0	174.8	-0.1	1.1	828	0.0
	Telangana	8900	0	183.4	78.2	1.8	1080	0.0
	Karnataka	7275	0	142.7	8.2	-1.3	777	0.0
	Kerala	2567	0	46.5	30.7	2.0	371	0.0
	Tamil Nadu	13442	0	296.4	128.2	0.7	1247	0.0
	Pondy	398	0	8.1	8.1	0.0	29	0.0
	ER	Bihar	5448	0	110.6	103.4	2.9	430
DVC		2947	0	62.6	-29.8	-0.9	140	0.0
Jharkhand		1154	0	24.9	16.6	-1.1	120	0.0
Odisha		4862	0	99.7	53.2	3.6	490	0.0
West Bengal		8845	0	180.0	84.7	5.5	550	0.0
Sikkim		91	0	0.9	1.3	-0.3	20	0.0
NER	Arunachal Pradesh	126	2	2.2	2.7	-0.5	46	0.0
	Assam	1808	147	35.5	30.9	0.5	203	0.1
	Manipur	167	3	2.6	2.4	0.3	62	0.0
	Meghalaya	333	0	5.8	1.6	-0.2	68	0.0
	Mizoram	86	1	1.7	1.1	0.3	21	0.0
	Nagaland	124	2	2.1	2.3	-0.5	54	0.0
	Tripura	288	4	5.4	5.0	0.1	52	0.0

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	41.6	-6.0	-21.5
Day peak (MW)	1837.3	-386.0	-1014.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	281.1	-269.0	-13.4	1.5	-0.2	0.0
Actual(MU)	277.4	-320.3	-0.2	39.4	-0.5	-4.2
O/D/U/D(MU)	-3.6	-51.3	13.2	37.9	-0.4	-4.2

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	3573	18338	9932	2565	367	34774
State Sector	7945	21100	12490	7290	50	48875
Total	11518	39438	22422	9855	416	83649

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Coal	519	930	322	349	7	2127
Lignite	19	14	44	0	0	77
Hydro	354	76	118	122	25	695
Nuclear	27	29	54	0	0	110
Gas, Naptha & Diesel	38	42	15	0	27	122
RES (Wind, Solar, Biomass & Others)	61	171	295	2	0	529
Total	1019	1261	848	473	59	3660

Share of RES in total generation (%)	6.02	13.54	34.75	0.44	0.08	14.45
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	43.42	21.89	55.00	26.23	42.19	36.45

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 :	11-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	458	49	4.6	0.0	4.6	
2		SASARAM-FATEHPUR	S/C	384	0	5.5	0.0	5.5	
3		GAYA-BALIA	S/C	0	457	0.0	6.5	-6.5	
4	HVDC	ALIPURDUAR-AGRA	-	0	1001	0.0	24.3	-24.3	
5		PUSAULI B/B	S/C	0	198	0.0	4.8	-4.8	
6	400 kV	PUSAULI-VARANASI	S/C	0	219	0.0	4.4	-4.4	
7		PUSAULI -ALLAHABAD	S/C	10	45	0.0	0.2	-0.2	
8		MUZAFFARPUR-GORAKHPUR	D/C	47	387	0.0	3.6	-3.6	
9		PATNA-BALIA	Q/C	0	574	0.0	8.2	-8.2	
10		BIHARSHARIFF-BALIA	D/C	0	266	0.0	4.2	-4.2	
11		MOTIHARI-GORAKHPUR	D/C	0	247	0.0	3.1	-3.1	
12		BIHARSHARIFF-VARANASI	D/C	292	0	4.4	0.0	4.4	
13		220 kV	PUSAULI-SAHUPURI	S/C	0	185	0.0	3.5	-3.5
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>14.9</b>	<b>62.7</b>	<b>-47.8</b>
<b>Import/Export of ER (With WR)</b>									
18	765 kV	JHARSUGUDA-DHARAMJAIGARH	Q/C	1830	0	36.4	0.0	36.4	
19		NEW RANCHI-DHARAMJAIGARH	D/C	1388	0	27.2	0.0	27.2	
20		JHARSUGUDA-DURG	D/C	435	1	6.6	0.0	6.6	
21	400 kV	JHARSUGUDA-RAIGARH	Q/C	640	0	11.1	0.0	11.1	
22		RANCHI-SIPAT	D/C	527	0	10.2	0.0	10.2	
23	220 kV	BUDHIPADAR-RAIGARH	S/C	22	44	0.0	0.3	-0.3	
24		BUDHIPADAR-KORBA	D/C	244	0	5.1	0.0	5.1	
						<b>ER-WR</b>	<b>96.6</b>	<b>0.3</b>	<b>96.3</b>
<b>Import/Export of ER (With SR)</b>									
25	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	1894.0	0.0	25.1	-25.1	
26	HVDC	JEYPORE-GAZUWAKA B/B	D/C	407.0	0.0	9.7	0.0	9.7	
27	LINK	TALCHER-KOLAR BIPOLE	D/C	0.0	488.0	0.0	8.7	-8.7	
28	400 kV	TALCHER-I/C	D/C	880.0	0.0	17.7	0.0	17.7	
29	220 kV	BALIMELA-UPPER-SILERRU	S/C	1.0	0.0	0.0	0.0	0.0	
						<b>ER-SR</b>	<b>9.7</b>	<b>33.8</b>	<b>-24.1</b>
<b>Import/Export of ER (With NER)</b>									
30	400 kV	BINAGURI-BONGAIGAON	D/C	0	668	0.0	9.8	-10	
31		ALIPURDUAR-BONGAIGAON	D/C	45	401	0.0	3.4	-3	
32	220 kV	ALIPURDUAR-SALAKATI	D/C	0	144	0.0	1.8	-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>									
33	HVDC	BISWANATH CHARIALI-AGRA	-	0	802	0.0	17.9	-17.9	
						<b>NER-NR</b>	<b>0.0</b>	<b>17.9</b>	<b>-17.9</b>
<b>Import/Export of WR (With NR)</b>									
34	HVDC	CHAMPA-KURUKSHETRA	D/C	0	2511	0.0	55.1	-55.1	
35		V'CHAL B/B	D/C	453	0	9.0	0.0	9.0	
36		APL -MHG	D/C	0	1546	0.0	27.3	-27.3	
37	765 kV	GWALIOR-AGRA	D/C	0	2500	0.0	45.1	-45.1	
38		PHAGI-GWALIOR	D/C	0	1136	0.0	18.6	-18.6	
39		JABALPUR-ORAI	D/C	0	964	0.0	38.0	-38.0	
40		GWALIOR-ORAI	S/C	370	0	5.9	0.0	5.9	
41		SATNA-ORAI	S/C	0	1338	0.0	28.0	-28.0	
42		CHITTORGARH-BANASKANTHA	D/C	1487	1679	0.0	14.9	14.9	
43		ZERDA-KANKROLI	S/C	0	278	0.0	3.6	-3.6	
44		400 kV	ZERDA -BHINMAL	S/C	328	339	0.9	2.1	-1.2
45	V'CHAL -RIHAND		S/C	479	0	0.0	11.1	-11.1	
46	220 kV	RAPP-SHUJALPUR	D/C	25	388	0	2	-2	
47		BHANPURA-RANPUR	S/C	33	74	0.1	0.5	-0.4	
48		BHANPURA-MORAK	S/C	0	162	0.0	2.1	-2.1	
49		MEHGAON-AURAIYA	S/C	74	0	0.8	0.0	0.8	
50		MALANPUR-AURAIYA	S/C	33	32	0.1	0.2	-0.1	
51	132kV	GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0	
						<b>WR-NR</b>	<b>16.8</b>	<b>248.9</b>	<b>-202.3</b>
<b>Import/Export of WR (With SR)</b>									
52	HVDC	BHADRAWATI B/B	-	0	214	0.0	5.1	-5.1	
53	LINK	BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0	
54	765 kV	SOLAPUR-RAICHUR	D/C	1375	1068	6.1	0.0	6.1	
55		WARDHA-NIZAMABAD	D/C	6	1453	0.0	17.4	-17.4	
56	400 kV	KOLHAPUR-KUDGI	D/C	1100	0	16.3	0.0	16.3	
57	220 kV	KOLHAPUR-CHIKODI	D/C	0	0	0.0	0.0	0.0	
58		PONDA-AMBEWADI	S/C	0	58	0.0	0.9	-0.9	
59		XELDEM-AMBEWADI	S/C	0	33	0.5	0.0	0.5	
						<b>WR-SR</b>	<b>22.8</b>	<b>23.4</b>	<b>-0.6</b>
<b>TRANSNATIONAL EXCHANGE</b>									
60		BHUTAN						<b>41.6</b>	
61		NEPAL						<b>-6.0</b>	
62		BANGLADESH						<b>-21.5</b>	