



**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: 15<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 14.08.2019.**

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 14-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 14<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

15-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)	54901	42823	39528	20891	2617	160760
Peak Shortage (MW)	1217	0	0	0	299	1516
Energy Met (MU)	1254	982	920	431	53	3639
Hydro Gen (MU)	349	106	136	122	21	733
Wind Gen (MU)	21	81	170	-----	-----	272
Solar Gen (MU)*	25.37	11.67	64.80	2.09	0.03	104
Energy Shortage (MU)	8.7	0.0	0.0	0.0	2.6	11.3
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	58155 22:20	43929 19:27	40996 07:49	21635 20:01	2665 20:38	163172 19:48

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	0.027	0.00	0.00	1.20	1.20	73.78	25.01

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	10924	0	233.8	138.7	-1.0	36	0.0	
	Haryana	9074	0	192.2	157.8	0.4	240	0.0	
	Rajasthan	9115	0	207.5	65.3	-2.2	392	0.0	
	Delhi	5425	0	113.9	97.3	-0.5	127	0.0	
	UP	19817	0	393.0	188.1	0.1	542	0.0	
	Uttarakhand	1968	0	42.3	19.0	0.6	209	0.1	
	HP	1390	0	29.4	-2.5	0.1	97	0.0	
	J&K	2106	526	35.7	17.2	-0.9	271	8.5	
	Chandigarh	301	0	6.0	7.1	-1.1	45	0.0	
	WR	Chhattisgarh	3523	0	80.5	22.3	-1.2	193	0.0
Gujarat		13057	0	293.4	61.0	1.6	396	0.0	
MP		7575	0	169.4	59.1	-3.6	326	0.0	
Maharashtra		18254	0	399.4	134.0	0.4	533	0.0	
Goa		541	0	10.5	10.3	-0.4	87	0.0	
DD		348	0	7.8	6.9	0.9	56	0.0	
DNH		792	0	18.5	18.7	-0.2	36	0.0	
Essar steel		181	0	2.7	2.4	0.3	238	0.0	
SR		Andhra Pradesh	8595	0	183.6	24.4	0.7	499	0.0
		Telangana	9463	0	200.8	68.0	1.2	495	0.0
	Karnataka	8651	0	161.3	37.5	2.1	496	0.0	
	Kerala	3117	0	59.4	43.1	1.4	222	0.0	
	Tamil Nadu	13998	0	306.8	122.5	-1.0	450	0.0	
	Pondy	431	0	8.1	8.3	-0.2	46	0.0	
	ER	Bihar	5377	0	99.9	97.4	-0.9	300	0.0
DVC		2857	0	60.6	-26.1	0.1	200	0.0	
Jharkhand		1060	0	23.2	15.1	-0.9	25	0.0	
Odisha		4496	0	93.9	43.4	-0.1	400	0.0	
West Bengal		8061	0	152.2	75.5	-0.4	250	0.0	
Sikkim		69	0	0.7	1.4	-0.6	5	0.0	
NER	Arunachal Pradesh	116	9	2.1	2.7	-0.6	47	0.0	
	Assam	1623	65	33.4	28.6	0.2	264	2.3	
	Manipur	158	9	2.5	2.3	0.2	28	0.0	
	Meghalaya	320	16	5.5	2.7	-0.3	149	0.0	
	Mizoram	90	4	1.7	0.6	0.8	10	0.0	
	Nagaland	138	6	2.2	2.0	0.0	48	0.0	
	Tripura	279	15	5.4	4.5	0.1	39	0.3	

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	45.6	-6.3	-20.4
Day peak (MW)	2073.4	-169.0	-957.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	267.4	-255.7	14.8	-29.9	2.7	-0.8
Actual(MU)	260.5	-245.8	35.9	-46.5	1.1	5.3
O/D/U/D(MU)	-7.0	10.0	21.1	-16.5	-1.6	6.1

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	3678	17493	9112	1605	386	32273
State Sector	8130	18562	11210	7640	50	45591
Total	11808	36054	20322	9245	436	77864

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Coal	534	972	373	376	7	2262
Lignite	16	8	39	0	0	64
Hydro	349	106	136	122	21	733
Nuclear	26	31	55	0	0	112
Gas, Naptha & Diesel	34	40	15	0	28	117
RES (Wind, Solar, Biomass & Others)	62	97	280	2	0	442
Total	1022	1254	898	500	56	3729

Share of RES in total generation (%)	6.08	7.75	31.19	0.42	0.05	11.84
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	42.80	18.65	52.42	24.80	37.55	34.51

H. Diversity Factor

All India Demand Diversity Factor	1.026
-----------------------------------	-------

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 :	15-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	142	270	0.0	2.3	-2.3	
2		SASARAM-FATEHPUR	S/C	217	177	2.3	0.0	2.3	
3		GAYA-BALIA	S/C	0	418	0.0	7.5	-7.5	
4	HVDC	ALIPURDUAR-AGRA	-	0	1202	0.0	27.0	-27.0	
5		PUSAULI B/B	S/C	0	198	0.0	4.9	-4.9	
6	400 kV	PUSAULI-VARANASI	S/C	0	211	0.0	4.3	-4.3	
7		PUSAULI -ALLAHABAD	S/C	1	64	0.0	0.5	-0.5	
8		MUZAFFARPUR-GORAKHPUR	D/C	0	830	0.0	12.1	-12.1	
9		PATNA-BALIA	Q/C	0	732	0.0	12.6	-12.6	
10		BIHARSHARIFF-BALIA	D/C	0	274	0.0	5.2	-5.2	
11		MOTIHARI-GORAKHPUR	D/C	0	3	0.0	0.0	0.0	
12		BIHARSHARIFF-VARANASI	D/C	206	95	1.8	0.0	1.8	
13	220 kV	PUSAULI-SAHUPURI	S/C	0	157	0.0	3.1	-3.1	
14	132 kV	SONE NAGAR-RIHAND	S/C	0	0	0.0	0.0	0.0	
15		GARWAH-RIHAND	S/C	30	0	0.5	0.0	0.5	
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>4.6</b>	<b>79.4</b>	<b>-74.8</b>	
<b>Import/Export of ER (With WR)</b>									
18	765 kV	JHARSUGUDA-DHARAMJAIGARH	Q/C	1638	0	30.5	0.0	30.5	
19		NEW RANCHI-DHARAMJAIGARH	D/C	1446	1101	21.6	0.0	21.6	
20		JHARSUGUDA-DURG	D/C	551	0	4.7	0.0	4.7	
21	400 kV	JHARSUGUDA-RAIGARH	Q/C	451	0	5.4	0.0	5.4	
22		RANCHI-SIPAT	D/C	500	0	7.4	0.0	7.4	
23	220 kV	BUDHIPADAR-RAIGARH	S/C	8	78	0.0	0.9	-0.9	
24		BUDHIPADAR-KORBA	D/C	201	0	3.5	0.0	3.5	
<b>ER-WR</b>						<b>73.1</b>	<b>0.9</b>	<b>72.2</b>	
<b>Import/Export of ER (With SR)</b>									
25	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	1782.0	0.0	29.1	-29.1	
26	HVDC	JEYPORE-GAZUWAKA B/B	D/C	310.0	0.0	6.7	0.0	6.7	
27	LINK	TALCHER-KOLAR BIPOLE	D/C	0.0	1985.0	0.0	35.4	-35.4	
28	400 kV	TALCHER-I/C	D/C	141.0	963.0	0.0	10.9	-10.9	
29	220 kV	BALIMELA-UPPER-SILERRU	S/C	1.0	0.0	0.0	0.0	0.0	
<b>ER-SR</b>						<b>6.7</b>	<b>64.4</b>	<b>-57.7</b>	
<b>Import/Export of ER (With NER)</b>									
30	400 kV	BINAGURI-BONGAIGAON	D/C	0	549	0.0	8.7	-9	
31		ALIPURDUAR-BONGAIGAON	D/C	38	269	0.0	2.7	-3	
32	220 kV	ALIPURDUAR-SALAKATI	D/C	0	106	0.0	1.8	-2	
<b>ER-NER</b>						<b>0.0</b>	<b>13.3</b>	<b>-13.3</b>	
<b>Import/Export of NER (With NR)</b>									
33	HVDC	BISWANATH CHARIALI-AGRA	-	0	648	0.0	14.5	-14.5	
<b>NER-NR</b>						<b>0.0</b>	<b>14.5</b>	<b>-14.5</b>	
<b>Import/Export of WR (With NR)</b>									
34	HVDC	CHAMPA-KURUKSHETRA	D/C	0	1504	0.0	25.7	-25.7	
35		V'CHAL B/B	D/C	452	0	10.0	0.0	10.0	
36		APL -MHG	D/C	0	1166	0.0	24.3	-24.3	
37	765 kV	GWALIOR-AGRA	D/C	0	2790	0.0	50.3	-50.3	
38		PHAGI-GWALIOR	D/C	0	1131	0.0	21.3	-21.3	
39		JABALPUR-ORAI	D/C	0	1035	0.0	39.0	-39.0	
40		GWALIOR-ORAI	S/C	349	0	7.0	0.0	7.0	
41		SATNA-ORAI	S/C	0	1407	0.0	29.9	-29.9	
42		CHITTORGARH-BANASKANTHA	D/C	0	1258	0.0	15.1	15.1	
43		ZERDA-KANKROLI	S/C	36	200	0.1	1.7	-1.7	
44	400 kV	ZERDA -BHINMAL	S/C	34	269	0.0	2.9	-2.9	
45		V'CHAL -RIHAND	S/C	960	0	22.4	0.0	22.4	
46	220 kV	RAPP-SHUJALPUR	D/C	0	429	0	3	-3	
47		BHANPURA-RANPUR	S/C	0	65	0.0	0.8	-0.8	
48		BHANPURA-MORAK	S/C	0	121	0.0	1.9	-1.9	
49		MEHGAON-AURAIYA	S/C	54	15	0.4	0.0	0.3	
50	132kV	MALANPUR-AURAIYA	S/C	20	44	0.1	0.4	-0.4	
51		GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0	
<b>WR-NR</b>						<b>39.9</b>	<b>216.5</b>	<b>-146.4</b>	
<b>Import/Export of WR (With SR)</b>									
52	HVDC	BHADRAWATI B/B	-	0	1002	0.0	13.5	-13.5	
53	LINK	BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0	
54	765 kV	SOLAPUR-RAICHUR	D/C	1337	762	11.6	1.3	10.3	
55		WARDHA-NIZAMABAD	D/C	9	1663	0.0	20.3	-20.3	
56	400 kV	KOLHAPUR-KUDGI	D/C	1293	0	21.2	0.0	21.2	
57	220 kV	KOLHAPUR-CHIKODI	D/C	0	0	0.0	0.0	0.0	
58		PONDA-AMBEWADI	S/C	2	62	0.0	1.0	-1.0	
59		XELDEM-AMBEWADI	S/C	1	37	0.6	0.0	0.6	
<b>WR-SR</b>						<b>33.4</b>	<b>36.1</b>	<b>-2.7</b>	
<b>TRANSNATIONAL EXCHANGE</b>									
60		BHUTAN						45.6	
61		NEPAL						-6.3	
62		BANGLADESH						-20.4	