



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: 08<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 07.08.2019.**

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 07-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 7<sup>th</sup> August 2019, is available at the NLDC website.

धन्यवाद,

Report for previous day

Date of Reporting

8-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)	56014	43078	35973	20611	2643	158319
Peak Shortage (MW)	498	0	0	0	356	854
Energy Met (MU)	1219	988	826	410	52	3495
Hydro Gen (MU)	346	22	117	105	24	614
Wind Gen (MU)	22	151	203	-----	-----	377
Solar Gen (MU)*	22.33	11	43.37	1.92	0.04	79
Energy Shortage (MU)	10.7	0.0	0.0	0.0	2.2	12.9
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	58473 22:18	46040 11:06	36698 07:48	20956 20:43	2726 19:03	160622 19:44

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	0.037	0.00	0.00	3.61	3.61	63.98	32.41

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	11487	0	252.2	142.1	-1.4	79	0.0
	Haryana	9201	0	196.6	150.8	-0.5	158	0.0
	Rajasthan	8777	0	197.1	55.7	0.4	504	0.0
	Delhi	5490	0	110.4	95.8	-1.0	134	0.0
	UP	19391	0	348.7	153.5	2.3	964	0.0
	Uttarakhand	1877	0	39.7	14.5	-0.2	196	0.0
	HP	1397	0	29.1	-2.5	-0.6	130	0.3
	J&K	2075	519	39.6	18.4	1.7	322	10.4
WR	Chandigarh	301	0	6.0	6.8	-0.8	44	0.0
	Chhattisgarh	4075	0	91.8	39.4	-0.6	551	0.0
	Gujarat	13526	0	304.1	44.9	2.5	536	0.0
	MP	8322	0	183.5	92.2	-3.7	361	0.0
	Maharashtra	16987	0	367.9	96.3	-1.1	826	0.0
	Goa	541	0	8.8	9.7	-1.5	91	0.0
	DD	350	0	7.8	6.9	0.9	106	0.0
	DNH	796	0	18.8	18.9	-0.1	147	0.0
SR	Essar steel	307	0	4.8	5.3	-0.5	278	0.0
	Andhra Pradesh	6969	0	153.5	-16.5	0.4	432	0.0
	Telangana	7337	0	156.2	58.5	2.8	440	0.0
	Karnataka	7991	0	150.1	19.9	-1.9	495	0.0
	Kerala	2583	0	57.0	39.0	2.0	299	0.0
	Tamil Nadu	13588	0	301.8	123.1	-0.3	478	0.0
	Pondy	371	0	7.7	8.0	-0.3	21	0.0
	Bihar	5386	0	86.1	87.0	-3.0	300	0.0
ER	DVC	2810	0	58.2	-31.2	-0.1	200	0.0
	Jharkhand	1031	0	19.9	14.4	-3.1	10	0.0
	Odisha	5155	0	91.5	57.4	3.9	450	0.0
	West Bengal	8281	0	153.8	71.4	-0.2	280	0.0
	Sikkim	79	0	0.9	1.2	-0.3	5	0.0
NER	Arunachal Pradesh	128	8	2.0	2.4	-0.4	67	0.0
	Assam	1692	74	33.8	30.7	0.0	170	2.1
	Manipur	163	9	2.3	2.3	-0.1	20	0.0
	Meghalaya	314	11	5.3	1.2	-0.1	76	0.0
	Mizoram	79	7	1.7	1.1	-0.1	12	0.0
	Nagaland	131	8	2.1	2.2	-0.6	35	0.0
	Tripura	303	17	4.7	5.1	-0.6	51	0.0

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	40.2	-3.9	-25.9
Day peak (MW)	1760.1	-424.4	-1105.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	248.7	-232.5	-27.4	13.4	-2.0	0.1
Actual(MU)	242.8	-225.8	-21.5	8.2	-5.5	-1.9
O/D/U/D(MU)	-5.9	6.7	5.9	-5.2	-3.5	-2.0

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	5042	17803	9332	3105	117	35399
State Sector	8415	18560	11820	6440	47	45282
Total	13457	36363	21152	9545	164	80681

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Coal	513	938	339	318	11	2118
Lignite	18	13	41	0	0	71
Hydro	346	22	117	105	24	614
Nuclear	27	31	55	0	0	113
Gas, Naptha & Diesel	33	45	16	0	27	121
RES (Wind, Solar, Biomass & Others)	61	170	288	2	0	521
Total	998	1218	855	426	62	3558

Share of RES in total generation (%)	6.10	13.94	33.68	0.46	0.06	14.63
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	43.53	18.27	53.81	25.24	38.66	35.08

H. Diversity Factor

All India Demand Diversity Factor	1.027
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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 : **8-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	136	319	0.0	3.2	-3.2	
2		SASARAM-FATEHPUR	S/C	186	132	1.3	0.0	1.3	
3		GAYA-BALIA	S/C	0	368	0.0	4.9	-4.9	
4		ALIPURDUAR-AGRA	-	0	1100	0.0	26.0	-26.0	
5		PUSAULI B/B	S/C	0	198	0.0	2.9	-2.9	
6	400 kV	PUSAULI-VARANASI	S/C	0	190	0.0	3.7	-3.7	
7		PUSAULI -ALLAHABAD	S/C	0	92	0.0	1.0	-1.0	
8		MUZAFFARPUR-GORAKHPUR	D/C	0	652	0.0	9.3	-9.3	
9		PATNA-BALIA	Q/C	0	596	0.0	7.1	-7.1	
10		BIHARSHARIFF-BALIA	D/C	2	248	0.0	3.4	-3.4	
11		MOTIHARI-GORAKHPUR	D/C	11	248	0.0	2.8	-2.8	
12	220 kV	BIHARSHARIFF-VARANASI	D/C	175	81	1.3	0.0	1.3	
13		PUSAULI-SAHUPURI	S/C	0	179	0.0	2.9	-2.9	
14		132 kV	SONE NAGAR-RIHAND	S/C	0	0	0.0	0.0	0.0
15			GARWAH-RIHAND	S/C	30	0	0.1	0.0	0.1
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>2.8</b>	<b>67.1</b>	<b>-64.4</b>	
<b>Import/Export of ER (With WR)</b>									
18	765 kV	JHARSUGUDA-DHARAMAJGARH	Q/C	2089	0	40.6	0.0	40.6	
19		NEW RANCHI-DHARAMAJGARH	D/C	1307	0	19.0	0.0	19.0	
20		JHARSUGUDA-DURG	D/C	504	0	8.9	0.0	8.9	
21	400 kV	JHARSUGUDA-RAIGARH	Q/C	411	86	5.0	0.0	5.0	
22		RANCHI-SIPAT	D/C	461	0	6.6	0.0	6.6	
23	220 kV	BUDHIPADAR-RAIGARH	S/C	36	85	0.0	0.5	-0.5	
24		BUDHIPADAR-KORBA	D/C	208	0	4.0	0.0	4.0	
<b>ER-WR</b>						<b>84.2</b>	<b>0.5</b>	<b>83.7</b>	
<b>Import/Export of ER (With SR)</b>									
25	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	1603.0	0.0	18.2	-18.2	
26	HVDC	JEYPORE-GAZUWAKA B/B	D/C	647.0	0.0	15.4	0.0	15.4	
27	LINK	TALCHER-KOLAR BIPOLE	D/C	0.0	490.0	0.0	11.3	-11.3	
28	400 kV	TALCHER-I/C	D/C	465.0	0.0	4.0	0.0	4.0	
29	220 kV	BALIMELA-UPPER-SILERRU	S/C	1.0	0.0	0.0	0.0	0.0	
<b>ER-SR</b>						<b>15.4</b>	<b>29.5</b>	<b>-14.1</b>	
<b>Import/Export of ER (With NER)</b>									
30	400 kV	BINAGURI-BONGAIGAON	D/C	0	526	0.0	9.1	-9	
31		ALIPURDUAR-BONGAIGAON	D/C	37	195	0.0	2.2	-2	
32	220 kV	ALIPURDUAR-SALAKATI	D/C	0	95	0.0	1.4	-1	
<b>ER-NER</b>						<b>0.0</b>	<b>12.7</b>	<b>-12.7</b>	
<b>Import/Export of NER (With NR)</b>									
33	HVDC	BISWANATH CHARIALI-AGRA	-	0	727	0.0	17.7	-17.7	
<b>NER-NR</b>						<b>0.0</b>	<b>17.7</b>	<b>-17.7</b>	
<b>Import/Export of WR (With NR)</b>									
34	HVDC	CHAMPA-KURUKSHETRA	D/C	0	1003	0.0	22.8	-22.8	
35		V'CHAL B/B	D/C	452	0	7.1	0.0	7.1	
36		APL -MHG	D/C	0	1453	0.0	32.3	-32.3	
37	765 kV	GWALIOR-AGRA	D/C	0	2773	0.0	42.7	-42.7	
38		PHAGI-GWALIOR	D/C	0	1267	0.0	19.2	-19.2	
39		JABALPUR-ORAI	D/C	0	1114	0.0	36.6	-36.6	
40		GWALIOR-ORAI	S/C	424	0	8.1	0.0	8.1	
41		SATNA-ORAI	S/C	0	1400	0.0	24.9	-24.9	
42		CHITTORGARH-BANASKANTHA	D/C	0	1076	0.0	9.3	9.3	
43	400 kV	ZERDA-KANKROLI	S/C	88	172	0.3	1.8	-1.5	
44		ZERDA -BHINMAL	S/C	234	310	1.1	2.6	-1.6	
45		V'CHAL -RIHAND	S/C	961	0	22.0	0.0	22.0	
46		RAPP-SHUJALPUR	D/C	34	453	0	4	-4	
47	220 kV	BHANPURA-RANPUR	S/C	0	75	0.0	0.8	-0.8	
48		BHANPURA-MORAK	S/C	0	112	0.0	1.5	-1.5	
49		MEHGAON-AURAIYA	S/C	84	0	0.9	0.0	0.9	
50		MALANPUR-AURAIYA	S/C	48	32	0.2	0.1	0.1	
51		132kV	GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0
<b>WR-NR</b>						<b>39.6</b>	<b>198.8</b>	<b>-140.7</b>	
<b>Import/Export of WR (With SR)</b>									
52	HVDC	BHADRAWATI B/B	-	189	512	0.8	6.2	-5.4	
53	LINK	BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0	
54	765 kV	SOLAPUR-RAICHUR	D/C	1587	381	18.3	0.3	18.0	
55		WARDHA-NIZAMABAD	D/C	146	1272	0.0	10.8	-10.8	
56	400 kV	KOLHAPUR-KUDGI	D/C	1032	0	17.4	0.0	17.4	
57	220 kV	KOLHAPUR-CHIKODI	D/C	0	0	0.0	0.0	0.0	
58		PONDA-AMBEWADI	S/C	0	65	0.0	1.1	-1.1	
59		XELDEM-AMBEWADI	S/C	0	38	0.6	0.0	0.6	
<b>WR-SR</b>						<b>37.1</b>	<b>18.3</b>	<b>18.8</b>	
<b>TRANSNATIONAL EXCHANGE</b>									
60		BHUTAN						<b>40.2</b>	
61		NEPAL						<b>-3.9</b>	
62		BANGLADESH						<b>-25.9</b>	