



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: 10<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 09.08.2019.**

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 09-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 9<sup>th</sup> August 2019, is available at the NLDC website.

धन्यवाद,

Report for previous day

Date of Reporting

10-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)	54193	41739	36708	21785	2841	157266
Peak Shortage (MW)	1942	0	0	0	217	2159
Energy Met (MU)	1234	934	832	444	55	3499
Hydro Gen (MU)	289	61	109	115	26	600
Wind Gen (MU)	21	156	197	-----	-----	374
Solar Gen (MU)*	23.90	6.49	52.08	2.05	0.05	85
Energy Shortage (MU)	9.0	0.0	0.0	0.0	1.2	10.3
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	57589 22:52	45019 20:41	36461 08:18	22755 20:42	2893 21:14	161642 20:41

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	0.041	0.00	0.01	7.74	7.75	69.42	22.82

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	10946	0	247.4	141.2	-2.3	55	0.0
	Haryana	9407	83	200.0	158.1	-0.5	199	0.1
	Rajasthan	8605	0	195.4	60.5	-3.4	293	0.0
	Delhi	5873	0	119.7	99.9	-0.5	674	0.0
	UP	19779	0	358.9	162.9	2.7	825	0.0
	Uttarakhand	1979	0	42.8	19.3	1.5	238	0.0
	HP	1269	9	26.3	-4.7	0.2	381	0.0
	J&K	1972	493	37.3	17.1	0.7	224	8.9
WR	Chandigarh	271	0	5.9	6.4	-0.6	20	0.0
	Chhattisgarh	3530	0	78.3	21.5	-1.4	235	0.0
	Gujarat	12878	0	285.7	37.5	1.2	450	0.0
	MP	7808	0	170.2	75.5	-3.5	139	0.0
	Maharashtra	16747	0	357.9	94.9	-1.2	426	0.0
	Goa	541	0	10.3	9.2	0.5	105	0.0
	DD	350	0	7.7	6.9	0.8	59	0.0
	DNH	784	0	18.5	18.8	-0.2	33	0.0
SR	Essar steel	331	0	5.7	5.8	0.0	285	0.0
	Andhra Pradesh	7585	0	170.0	-9.3	0.8	437	0.0
	Telangana	8247	0	171.3	75.2	0.8	591	0.0
	Karnataka	8182	0	145.6	16.2	-1.9	818	0.0
	Kerala	2458	0	41.6	27.8	2.3	396	0.0
	Tamil Nadu	13565	0	295.4	134.7	0.5	797	0.0
	Pondy	371	0	8.0	8.1	-0.2	40	0.0
	Bihar	5411	0	95.9	92.4	1.4	504	0.0
ER	DVC	2856	0	61.2	-24.3	-0.1	165	0.0
	Jharkhand	1197	0	23.2	16.6	-0.7	180	0.0
	Odisha	4816	0	96.0	52.9	5.5	710	0.0
	West Bengal	8678	0	167.0	73.2	2.7	450	0.0
	Sikkim	99	0	1.1	1.2	-0.2	40	0.0
NER	Arunachal Pradesh	126	1	2.3	3.2	-0.9	46	0.0
	Assam	1780	90	36.5	31.6	0.8	116	1.2
	Manipur	148	2	2.6	2.3	0.2	35	0.0
	Meghalaya	321	0	5.7	1.5	-0.2	43	0.0
	Mizoram	94	2	1.5	1.3	0.0	9	0.0
	Nagaland	149	2	1.9	2.0	-0.5	53	0.0
	Tripura	276	1	4.8	4.8	-0.5	44	0.0

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	41.6	-6.0	-21.2
Day peak (MW)	1837.3	-386.0	-1004.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	292.9	-273.0	-7.6	-12.8	0.6	0.0
Actual(MU)	301.6	-304.1	-3.1	1.9	-0.3	-4.0
O/D/U/D(MU)	8.7	-31.1	4.5	14.8	-0.9	-4.0

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	4073	17463	9932	2355	637	34459
State Sector	9265	19495	12420	7290	50	48520
Total	13338	36958	22352	9645	686	82979

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	289	61	109	115	26	600
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	954	1246	839	466	61	3566

Share of RES in total generation (%)	6.43	13.70	35.11	0.45	0.08	14.83
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	39.55	20.96	54.53	25.13	43.37	34.76

H. Diversity Factor

All India Demand Diversity Factor	1.019
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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 : 10-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	255	251	0.0	1.6	-1.6	
2		SASARAM-FATEHPUR	S/C	310	93	1.9	0.0	1.9	
3		GAYA-BALIA	S/C	0	360	0.0	5.2	-5.2	
4		ALIPURDUAR-AGRA	-	0	1001	0.0	24.3	-24.3	
5		PUSAULI B/B	S/C	0	198	0.0	4.9	-4.9	
6	400 kV	PUSAULI-VARANASI	S/C	0	195	0.0	4.1	-4.1	
7		PUSAULI -ALLAHABAD	S/C	0	65	0.0	0.6	-0.6	
8		MUZAFFARPUR-GORAKHPUR	D/C	145	624	0.0	5.8	-5.8	
9		PATNA-BALIA	Q/C	0	560	0.0	9.3	-9.3	
10		BIHARSHARIFF-BALIA	D/C	6	232	0.0	3.1	-3.1	
11		MOTHARI-GORAKHPUR	D/C	0	282	0.0	4.1	-4.1	
12	220 kV	BIHARSHARIFF-VARANASI	D/C	220	76	2.0	0.0	2.0	
13		PUSAULI-SAHUPURI	S/C	14	177	0.0	2.7	-2.7	
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>4.2</b>	<b>65.6</b>	<b>-61.5</b>	
<b>Import/Export of ER (With WR)</b>									
18	765 kV	JHARSUGUDA-DHARAMJAIGARH	Q/C	1826	0	28.3	0.0	28.3	
19		NEW RANCHI-DHARAMJAIGARH	D/C	1341	0	21.4	0.0	21.4	
20		JHARSUGUDA-DURG	D/C	435	1	6.6	0.0	6.6	
21	400 kV	JHARSUGUDA-RAIGARH	Q/C	636	0	8.0	0.0	8.0	
22		RANCHI-SIPAT	D/C	510	0	7.5	0.0	7.5	
23	220 kV	BUDHIPADAR-RAIGARH	S/C	39	41	0.1	0.0	0.1	
24		BUDHIPADAR-KORBA	D/C	268	0	4.7	0.0	4.7	
<b>ER-WR</b>						<b>76.5</b>	<b>0.0</b>	<b>76.5</b>	
<b>Import/Export of ER (With SR)</b>									
25	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	1705.0	0.0	24.3	-24.3	
26	HVDC	JEYPORE-GAZUWAKA B/B	D/C	648.0	0.0	12.1	0.0	12.1	
27	LINK	TALCHER-KOLAR BIPOLE	D/C	0.0	491.0	0.0	10.4	-10.4	
28	400 kV	TALCHER-I/C	D/C	872.0	0.0	15.2	0.0	15.2	
29	220 kV	BALIMELA-UPPER-SILERRU	S/C	1.0	0.0	0.0	0.0	0.0	
<b>ER-SR</b>						<b>12.1</b>	<b>34.7</b>	<b>-22.6</b>	
<b>Import/Export of ER (With NER)</b>									
30	400 kV	BINAGURI-BONGAIGAON	D/C	0	675	0.0	11.3	-11	
31		ALIPURDUAR-BONGAIGAON	D/C	0	410	0.0	5.0	-5	
32	220 kV	ALIPURDUAR-SALAKATI	D/C	0	128	0.0	2.2	-2	
<b>ER-NER</b>						<b>0.0</b>	<b>18.5</b>	<b>-18.5</b>	
<b>Import/Export of NER (With NR)</b>									
33	HVDC	BISWANATH CHARIALI-AGRA	-	0	803	0.0	19.3	-19.3	
<b>NER-NR</b>						<b>0.0</b>	<b>19.3</b>	<b>-19.3</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	452	0	8.4	0.0	8.4	
36		APL -MHG	D/C	0	1915	0.0	39.9	-39.9	
37	765 kV	GWALIOR-AGRA	D/C	0	2581	0.0	47.8	-47.8	
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	400 kV	ZERDA-KANKROLI	S/C	0	307	0.0	2.9	-2.9	
44		ZERDA -BHINMAL	S/C	110	353	0.3	2.5	-2.3	
45		V'CHAL -RIHAND	S/C	968	0	16.5	0.0	16.5	
46		RAPP-SHUJALPUR	D/C	25	388	0	2	-2	
47	220 kV	BHANPURA-RANPUR	S/C	4	79	0.0	0.8	-0.8	
48		BHANPURA-MORAK	S/C	0	119	0.0	1.9	-1.9	
49		MEHGAON-AURAIYA	S/C	62	16	0.7	0.0	0.6	
50		MALANPUR-AURAIYA	S/C	29	38	0.1	0.3	-0.1	
51	132kV	GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0	
<b>WR-NR</b>						<b>31.8</b>	<b>253.1</b>	<b>-191.5</b>	
<b>Import/Export of WR (With SR)</b>									
52	HVDC	BHADRAWATI B/B	-	189	211	0.9	4.0	-3.1	
53	LINK	BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0	
54	765 kV	SOLAPUR-RAICHUR	D/C	1497	863	5.0	0.0	5.0	
55		WARDHA-NIZAMABAD	D/C	6	1453	0.0	17.4	-17.4	
56	400 kV	KOLHAPUR-KUDGI	D/C	996	0	14.3	0.0	14.3	
57	220 kV	KOLHAPUR-CHIKODI	D/C	0	0	0.0	0.0	0.0	
58		PONDA-AMBEWADI	S/C	0	55	0.0	1.0	-1.0	
59		XELDEM-AMBEWADI	S/C	0	31	0.6	0.0	0.6	
<b>WR-SR</b>						<b>20.7</b>	<b>22.4</b>	<b>-1.7</b>	
<b>TRANSNATIONAL EXCHANGE</b>									
60		BHUTAN						<b>41.6</b>	
61		NEPAL						<b>-6.0</b>	
62		BANGLADESH						<b>-21.2</b>	