



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: 27<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 26.08.2019.**

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 26-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 26<sup>th</sup> August 2019, is available at the NLDC website.

धन्यवाद,

Report for previous day

Date of Reporting

27-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)	57180	44853	39917	21625	2930	166505
Peak Shortage (MW)	1054	0	50	0	137	1241
Energy Met (MU)	1245	1041	922	444	56	3708
Hydro Gen (MU)	356	94	92	138	20	701
Wind Gen (MU)	15	58	166	-----	-----	239
Solar Gen (MU)*	22.87	11.5	81.31	2.11	0.04	118
Energy Shortage (MU)	11.9	0.0	0.0	0.0	1.3	13.2
Maximum Demand Met during the day (MW) & time (from RLDC SCADA)	60030 22:46	46383 11:57	40622 12:08	21546 20:59	2918 19:59	167995 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	0.024	0.00	0.00	3.30	3.30	80.60	16.10

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	11026	0	245.8	138.9	-1.7	33	0.0
	Haryana	9139	0	186.0	152.2	0.9	298	0.0
	Rajasthan	10150	0	229.7	67.8	1.9	494	0.0
	Delhi	5612	0	111.7	95.6	-1.3	64	0.0
	UP	19034	440	362.8	157.5	1.7	635	3.4
	Uttarakhand	1953	0	39.8	13.4	-0.1	125	0.0
	HP	1393	0	28.7	-3.0	0.1	191	0.1
	J&K	1977	494	35.2	16.6	-4.4	116	8.4
WR	Chandigarh	267	0	5.4	6.5	-1.1	-9	0.0
	Chhattisgarh	3856	0	88.7	32.5	-0.7	174	0.0
	Gujarat	14203	0	319.9	76.5	2.9	442	0.0
	MP	7811	0	166.9	80.6	-2.4	436	0.0
	Maharashtra	19337	0	423.5	141.0	0.3	540	0.0
	Goa	541	0	10.2	10.3	-0.7	36	0.0
	DD	336	0	7.3	6.8	0.5	61	0.0
	DNH	812	0	18.8	18.8	0.0	50	0.0
SR	Essar steel	347	0	5.8	6.4	-0.6	288	0.0
	Andhra Pradesh	7700	0	175.5	18.4	1.1	428	0.0
	Telangana	10349	0	218.1	112.4	-0.1	549	0.0
	Karnataka	9027	0	172.7	31.6	-1.0	411	0.0
	Kerala	3247	0	62.9	41.2	1.8	225	0.0
	Tamil Nadu	13777	0	284.8	110.3	1.5	696	0.0
	Pondy	402	0	7.7	7.9	-0.2	41	0.0
	ER	Bihar	5555	0	109.4	105.6	-0.4	230
DVC		2833	0	58.3	-28.0	-1.9	300	0.0
Jharkhand		1165	0	23.9	15.4	-0.7	160	0.0
Odisha		4399	0	87.6	25.0	1.5	515	0.0
West Bengal		8071	0	163.7	79.3	3.6	420	0.0
NER	Sikkim	90	0	0.8	1.3	-0.5	10	0.0
	Arunachal Pradesh	134	2	2.3	2.1	0.2	54	0.0
	Assam	1900	89	36.8	31.6	0.5	83	1.2
	Manipur	179	1	2.6	2.4	0.2	37	0.0
	Meghalaya	318	0	5.5	1.4	-0.1	57	0.0
	Mizoram	91	2	1.7	0.1	0.3	21	0.0
	Nagaland	128	1	2.3	2.2	-0.2	41	0.0
	Tripura	276	8	5.1	3.8	0.4	72	0.0

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	39.5	-6.9	-25.5
Day peak (MW)	1792.4	-434.2	-1117.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	235.6	-229.8	29.8	-45.3	9.9	0.1
Actual(MU)	223.8	-228.2	34.5	-43.8	11.9	-1.7
O/D/U/D(MU)	-11.8	1.7	4.8	1.5	2.1	-1.8

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	4153	17730	8932	1895	791	33501
State Sector	7575	18311	10130	7160	50	43225
Total	11728	36040	19062	9055	841	76726

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Coal	553	1020	403	363	8	2347
Lignite	19	11	41	0	0	71
Hydro	356	94	92	138	20	700
Nuclear	27	31	55	0	0	113
Gas, Naptha & Diesel	32	43	16	0	22	113
RES (Wind, Solar, Biomass & Others)	55	76	286	2	0	419
Total	1042	1275	893	503	50	3763

Share of RES in total generation (%)	5.29	5.94	32.03	0.43	0.08	11.13
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	42.09	15.79	48.43	27.89	39.82	32.75

H. Diversity Factor

All India Demand Diversity Factor	1.021
-----------------------------------	-------

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 : 27-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	225	310	0.0	1.5	-1.5	
2		SASARAM-FATEHPUR	S/C	185	86	1.0	0.0	1.0	
3		GAYA-BALIA	S/C	0	352	0.0	5.6	-5.6	
4	HVDC	ALIPURDUAR-AGRA	-	0	601	0.0	14.0	-14.0	
5		PUSAULI B/B	S/C	0	198	0.0	4.8	-4.8	
6	400 kV	PUSAULI-VARANASI	S/C	0	195	0.0	3.9	-3.9	
7		PUSAULI -ALLAHABAD	S/C	0	68	0.0	0.7	-0.7	
8		MUZAFFARPUR-GORAKHPUR	D/C	0	770	0.0	10.6	-10.6	
9		PATNA-BALIA	Q/C	0	741	0.0	13.5	-13.5	
10		BIHARSHARIFF-BALIA	D/C	0	280	0.0	4.6	-4.6	
11		MOTIHARI-GORAKHPUR	D/C	0	0	0.0	0.0	0.0	
12	220 kV	BIHARSHARIFF-VARANASI	D/C	221	69	2.1	0.0	2.1	
13		PUSAULI-SAHUPURI	S/C	0	209	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	0.5	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>3.7</b>	<b>62.4</b>	<b>-58.7</b>	
<b>Import/Export of ER (With WR)</b>									
18	765 kV	JHARSUGUDA-DHARAMJAIGARH	Q/C	1688	0	31.4	0.0	31.4	
19		NEW RANCHI-DHARAMJAIGARH	D/C	1002	0	15.9	0.0	15.9	
20		JHARSUGUDA-DURG	D/C	440	0	5.5	0.0	5.5	
21	400 kV	JHARSUGUDA-RAIGARH	Q/C	411	7	6.1	0.0	6.1	
22		RANCHI-SIPAT	D/C	338	1	5.1	0.0	5.1	
23	220 kV	BUDHIPADAR-RAIGARH	S/C	0	90	0.0	1.0	-1.0	
24		BUDHIPADAR-KORBA	D/C	142	0	2.4	0.0	2.4	
<b>ER-WR</b>						<b>66.3</b>	<b>1.0</b>	<b>65.4</b>	
<b>Import/Export of ER (With SR)</b>									
25	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	2287.0	0.0	33.6	-33.6	
26	HVDC	JEYPORE-GAZUWAKA B/B	D/C	311.0	0.0	7.4	0.0	7.4	
27	LINK	TALCHER-KOLAR BIPOLE	D/C	0.0	994.0	0.0	17.0	-17.0	
28	400 kV	TALCHER-I/C	D/C	337.0	414.0	0.0	2.6	-2.6	
29	220 kV	BALIMELA-UPPER-SILERRU	S/C	1.0	0.0	0.0	0.0	0.0	
<b>ER-SR</b>						<b>7.4</b>	<b>50.6</b>	<b>-43.2</b>	
<b>Import/Export of ER (With NER)</b>									
30	400 kV	BINAGURI-BONGAIGAON	D/C	0	638	0.0	11.6	-12	
31		ALIPURDUAR-BONGAIGAON	D/C	0	559	0.0	9.8	-10	
32	220 kV	ALIPURDUAR-SALAKATI	D/C	0	157	0.0	3.1	-3	
<b>ER-NER</b>						<b>0.0</b>	<b>24.5</b>	<b>-24.5</b>	
<b>Import/Export of NER (With NR)</b>									
33	HVDC	BISWANATH CHARIALI-AGRA	-	0	604	0.0	14.6	-14.6	
<b>NER-NR</b>						<b>0.0</b>	<b>14.6</b>	<b>-14.6</b>	
<b>Import/Export of WR (With NR)</b>									
34	HVDC	CHAMPA-KURUKSHETRA	D/C	0	1503	0.0	20.4	-20.4	
35		V'CHAL B/B	D/C	362	0	9.6	0.0	9.6	
36		APL -MHG	D/C	0	1175	0.0	29.2	-29.2	
37	765 kV	GWALIOR-AGRA	D/C	0	2489	0.0	44.0	-44.0	
38		PHAGI-GWALIOR	D/C	0	1222	0.0	19.0	-19.0	
39		JABALPUR-ORAI	D/C	0	863	0.0	30.0	-30.0	
40		GWALIOR-ORAI	S/C	376	0	7.3	0.0	7.3	
41		SATNA-ORAI	S/C	0	1322	0.0	27.0	-27.0	
42		CHITTORGARH-BANASKANTHA	D/C	0	1069	0.0	8.5	8.5	
43	400 kV	ZERDA-KANKROLI	S/C	77	195	0.2	1.2	-1.0	
44		ZERDA -BHINMAL	S/C	38	402	0.0	3.9	-3.8	
45		V'CHAL -RIHAND	S/C	969	0	22.5	0.0	22.5	
46	220 kV	RAPP-SHUJALPUR	D/C	0	453	0	3	-3	
47		BHANPURA-RANPUR	S/C	9	53	0.0	0.6	-0.6	
48		BHANPURA-MORAK	S/C	6	98	0.0	1.0	-1.0	
49		MEHGAON-AURAIYA	S/C	60	15	0.3	0.0	0.3	
50		MALANPUR-AURAIYA	S/C	29	46	0.1	0.5	-0.5	
51	132kV	GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0	
<b>WR-NR</b>						<b>39.9</b>	<b>187.7</b>	<b>-130.9</b>	
<b>Import/Export of WR (With SR)</b>									
52	HVDC	BHADRAWATI B/B	-	0	312	0.0	7.3	-7.3	
53	LINK	BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0	
54	765 kV	SOLAPUR-RAICHUR	D/C	1496	1199	8.4	0.0	8.4	
55		WARDHA-NIZAMABAD	D/C	0	2328	0.0	29.3	-29.3	
56	400 kV	KOLHAPUR-KUDGI	D/C	1240	0	20.2	0.0	20.2	
57	220 kV	KOLHAPUR-CHIKODI	D/C	0	0	0.0	0.0	0.0	
58		PONDA-AMBEWADI	S/C	0	66	0.0	1.1	-1.1	
59		XELDEM-AMBEWADI	S/C	0	38	0.6	0.0	0.6	
<b>WR-SR</b>						<b>29.2</b>	<b>37.7</b>	<b>-8.5</b>	
<b>TRANSNATIONAL EXCHANGE</b>									
60		BHUTAN						<b>39.5</b>	
61		NEPAL						<b>-6.9</b>	
62		BANGLADESH						<b>-25.5</b>	