



**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: 12<sup>th</sup> Jul 2020

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. कार्यकारी निदेशक, ऊ. पू.क्षे.भा.प्रे.के., डोंगतेह, लोअर नोंग्रह , लापलंग, शिलोंग - 793006  
Executive Director, 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 11.07.2020.**

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 11-जुलाई-2020 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 11<sup>th</sup> July 2020, is available at the NLDC website.

धन्यवाद,

## C. Power Supply Position in States

राष्ट्रीय भार प्रेषण केंद्र, नई दिल्ली

Report for previous day

Date of Reporting

12-Jul-20

### A. Power Supply Position at All India and Regional level

	NR	WR	SR	ER	NER	Total
Demand Met during Evening Peak hrs(MW) (at 1900 hrs; from RLDCs)	57634	41442	35125	20099	2560	156860
Peak Shortage (MW)	474	0	0	0	242	716
Energy Met (MU)	1274	990	813	428	45	3550
Hydro Gen (MU)	363	26	67	116	31	603
Wind Gen (MU)	52	100	85	-----	-----	237
Solar Gen (MU)*	38.14	21.30	71.59	4.54	0.02	136
Energy Shortage (MU)	9.7	0.0	0.0	0.0	2.6	12.2
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	63084 22:27	41495 10:50	36978 14:48	20463 22:44	2606 19:21	159578 22:26

### 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	0.030	0.00	0.00	2.93	2.93	70.49	26.59

### 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	11139	0	233.2	141.1	-2.0	186	0.0
	Haryana	9087	0	178.4	135.0	-4.0	603	0.0
	Rajasthan	11921	0	263.4	82.5	-1.5	327	0.0
	Delhi	5507	0	104.7	90.9	-2.2	223	0.1
	UP	21744	0	380.2	185.3	-0.6	453	0.0
	Uttarakhand	1825	0	40.6	18.4	-0.1	153	0.0
	HP	1376	0	28.6	-3.0	-0.9	64	0.0
	J&K(UT) and Ladakh(UT)	2112	528	40.2	18.2	-1.0	266	9.6
WR	Chandigarh	272	0	5.3	5.7	-0.4	14	0.0
	Chhattisgarh	3862	0	94.1	32.7	0.1	241	0.0
	Gujarat	12439	0	271.9	88.6	2.2	914	0.0
	MP	9418	0	209.2	118.0	-3.8	585	0.0
	Maharashtra	16398	0	370.0	137.7	1.5	538	0.0
	Goa	411	0	8.7	8.4	-0.2	44	0.0
	DD	242	0	5.3	5.0	0.3	29	0.0
	DNH	614	0	13.8	13.6	0.2	43	0.0
SR	AMNSIL	762	0	16.6	6.0	-0.3	227	0.0
	Andhra Pradesh	7352	0	149.0	56.9	2.2	773	0.0
	Telangana	8581	0	173.5	84.1	2.8	797	0.0
	Karnataka	8130	0	158.9	53.9	0.1	434	0.0
	Kerala	3078	0	64.0	48.3	1.1	190	0.0
	Tamil Nadu	11838	0	261.0	114.2	-0.5	944	0.0
	Puducherry	326	0	7.0	7.5	-0.5	25	0.0
	Bihar	5438	0	98.8	93.1	0.3	400	0.0
ER	DVC	2908	0	62.4	-33.2	1.5	278	0.0
	Jharkhand	1319	0	24.7	18.3	-1.9	135	0.0
	Odisha	3999	0	84.9	7.9	0.6	271	0.0
	West Bengal	7403	0	155.8	44.3	1.4	400	0.0
	Sikkim	82	0	1.1	0.7	0.4	40	0.0
NER	Arunachal Pradesh	116	0	1.9	2.0	0.0	38	0.0
	Assam	1592	197	27.5	22.8	0.4	121	2.5
	Manipur	176	2	2.5	2.4	0.1	44	0.0
	Meghalaya	300	0	4.9	-1.0	-0.5	80	0.0
	Mizoram	96	0	1.7	1.4	0.1	16	0.0
	Nagaland	127	1	2.3	2.4	-0.1	45	0.0
	Tripura	259	6	4.2	5.6	-0.4	40	0.0

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	53.8	-1.8	-26.3
Day peak (MW)	2345.0	-254.0	-1126.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	267.0	-270.0	114.4	-101.2	-10.2	0.0
Actual(MU)	230.7	-275.4	131.8	-83.7	-11.9	-8.6
O/D/U/D(MU)	-36.3	-5.4	17.4	17.5	-1.7	-8.6

### F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	4686	15569	11072	1920	546	33793
State Sector	9664	22795	14003	5142	47	51650
Total	14350	38364	25075	7062	593	85443

### G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Coal	501	990	345	432	6	2274
Lignite	29	10	13	0	0	51
Hydro	363	26	67	116	31	603
Nuclear	26	35	47	0	0	108
Gas, Naptha & Diesel	37	72	21	0	25	154
RES (Wind, Solar, Biomass & Others)	111	143	199	5	0	457
Total	1067	1275	692	552	62	3648

Share of RES in total generation (%)	10.39	11.20	28.76	0.83	0.03	12.53
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	46.93	16.00	45.22	21.75	49.63	32.03

### H. All India Demand Diversity Factor

Based on Regional Max Demands	1.032
Based on State Max Demands	1.079

Diversity factor = Sum of regional or state-wise 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 : 12-Jul-20

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>								
4	HVDC	ALIPURDUAR-AGRA	D/C	0	1200	0.0	24.2	-24.2
5		PUSAULI B/B	-	0	399	0.0	10.2	-10.2
1	765kV	GAYA-VARANASI	D/C	40	653	0.0	7.4	-7.4
2		SASARAM-FATEHPUR	S/C	244	39	2.4	0.0	2.4
3		GAYA-BALIA	S/C	0	482	0.0	3.4	-3.4
6	400 kV	PUSAULI-VARANASI	S/C	0	295	0.0	6.6	-6.6
7		PUSAULI -ALLAHABAD	S/C	0	178	0.0	3.3	-3.3
8		MUZAFFARPUR-GORAKHPUR	D/C	0	739	0.0	9.4	-9.4
9		PATNA-BALIA	Q/C	0	955	0.0	12.2	-12.2
10		BIHARSHARIFF-BALIA	D/C	0	360	0.0	4.0	-4.0
11		MOTIHARI-GORAKHPUR	D/C	0	333	0.0	4.7	-4.7
12		BIHARSHARIFF-VARANASI	D/C	115	188	0.1	0.0	0.1
13	220 kV	PUSAULI-SAHUPURI	S/C	0	92	0.0	1.5	-1.5
14	132 kV	SONE NAGAR-RIHAND	S/C	0	0	0.0	0.0	0.0
15		GARWAH-RIHAND	S/C	30	0	0.3	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>2.7</b>	<b>86.8</b>	<b>-84.1</b>
<b>Import/Export of ER (With WR)</b>								
18	765 kV	JHARSUGUDA-DHARAMJAIGARH	Q/C	1387	0	22.3	0.0	22.3
19		NEW RANCHI-DHARAMJAIGARH	D/C	1040	0	15.5	0.0	15.5
20		JHARSUGUDA-DURG	D/C	172	89	0.8	0.0	0.8
21	400 kV	JHARSUGUDA-RAIGARH	Q/C	99	233	0.0	1.0	-1.0
22		RANCHI-SIPAT	D/C	337	0	5.4	0.0	5.4
23	220 kV	BUDHIPADAR-RAIGARH	S/C	7	102	0.0	1.0	-1.0
24		BUDHIPADAR-KORBA	D/C	181	0	3.0	0.0	3.0
<b>ER-WR</b>						<b>46.9</b>	<b>2.0</b>	<b>45.0</b>
<b>Import/Export of ER (With SR)</b>								
26	HVDC	JEYPORE-GAZUWAKA B/B	-	0.0	533.0	0.0	12.3	-12.3
27		TALCHER-KOLAR BIPOLE	D/C	0.0	1828.0	0.0	33.8	-33.8
25	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	2647.0	0.0	44.4	-44.4
28	400 kV	TALCHER-I/C	D/C	920.0	524.0	4.7	0.0	4.7
29	220 kV	BALIMELA-UPPER-SILERRU	S/C	1.0	0.0	0.0	0.0	0.0
<b>ER-SR</b>						<b>0.0</b>	<b>90.4</b>	<b>-90.4</b>
<b>Import/Export of ER (With NER)</b>								
30	400 kV	BINAGURI-BONGAIGAON	D/C	107	294	0.0	0.7	-1
31		ALIPURDUAR-BONGAIGAON	D/C	265	335	0.9	0.0	1
32	220 kV	ALIPURDUAR-SALAKATI	D/C	19	99	0.0	0.6	-1
<b>ER-NER</b>						<b>0.9</b>	<b>1.3</b>	<b>-0.4</b>
<b>Import/Export of NER (With NR)</b>								
33	HVDC	BISWANATH CHARIALI-AGRA	D/C	0	604	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	1150	0.0	28.5	-28.5
35		V'CHAL B/B	D/C	185	0	4.9	0.0	4.9
36		APL -MHG	D/C	0	1639	0.0	30.9	-30.9
37	765 kV	GWALIOR-AGRA	D/C	0	2744	0.0	38.6	-38.6
38		PHAGI-GWALIOR	D/C	0	1181	0.0	17.7	-17.7
39		JABALPUR-ORAI	D/C	0	1075	0.0	31.5	-31.5
40		GWALIOR-ORAI	S/C	500	0	8.4	0.0	8.4
41		SATNA-ORAI	S/C	0	1526	0.0	28.7	-28.7
42		CHITTORGARH-BANASKANTHA	D/C	319	1373	0.0	11.4	-11.4
43		ZERDA-KANKROLI	S/C	176	179	0.4	0.0	0.4
44	400 kV	ZERDA -BHINMAL	S/C	364	26	4.3	0.0	4.3
45		V'CHAL -RIHAND	S/C	964	0	22.3	0.0	22.3
46		RAPP-SHUJALPUR	D/C	159	345	0	2	-2
47	220 kV	BHANPURA-RANPUR	S/C	11	0	0.0	2.0	-2.0
48		BHANPURA-MORAK	S/C	0	121	0.0	2.2	-2.2
49		MEHGAON-AURAIYA	S/C	120	0	0.7	0.0	0.7
50		MALANPUR-AURAIYA	S/C	82	22	1.0	0.0	1.0
51	132kV	GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0
<b>WR-NR</b>						<b>42.0</b>	<b>193.1</b>	<b>-151.1</b>
<b>Import/Export of WR (With SR)</b>								
52	HVDC	BHADRAWATI B/B	-	0	992	0.0	18.7	-18.7
53		RAIGARH-PUGLUR	D/C	0	0	0.0	0.0	0.0
54	765 kV	SOLAPUR-RAICHUR	D/C	0	2703	0.0	31.0	-31.0
55		WARDHA-NIZAMABAD	D/C	0	2702	0.0	38.1	-38.1
56	400 kV	KOLHAPUR-KUDGI	D/C	696	0	6.8	0.0	6.8
57	220 kV	KOLHAPUR-CHIKODI	D/C	0	0	0.0	0.0	0.0
58		PONDA-AMBEWADI	S/C	0	0	0.0	0.0	0.0
59		XELDEM-AMBEWADI	S/C	0	72	1.3	0.0	1.3
<b>WR-SR</b>						<b>8.2</b>	<b>87.8</b>	<b>-79.6</b>
<b>TRANSNATIONAL EXCHANGE</b>								
60		BHUTAN						<b>53.8</b>
61		NEPAL						<b>-1.8</b>
62		BANGLADESH						<b>-26.3</b>