



**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: 31<sup>st</sup> Aug 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 30.08.2020.**

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 30-अगस्त-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 30<sup>th</sup> August 2020, 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: 31-Aug-2020

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)	52564	38653	36197	22230	2732	152376
Peak Shortage (MW)	0	0	0	0	130	130
Energy Met (MU)	1165	871	902	465	51	3453
Hydro Gen (MU)	352	81	74	144	22	673
Wind Gen (MU)	12	127	115	-	-	254
Solar Gen (MU)*	29.11	17.47	99.50	4.69	0.07	151
Energy Shortage (MU)	0.0	0.0	0.0	0.0	3.5	3.5
Maximum Demand Met During the Day (MW) (From NLDC SCADA)	56301	38460	41712	22425	2915	152879
Time Of Maximum Demand Met (From NLDC SCADA)	00:00	09:13	10:20	20:40	18:47	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	0.038	0.00	0.42	2.66	3.08	68.75	28.17

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	9206	0	207.0	137.7	-1.6	46	0.0
	Haryana	8434	0	175.4	159.4	-0.2	258	0.0
	Rajasthan	8909	0	195.3	83.9	-6.7	338	0.0
	Delhi	4796	0	90.6	79.9	-1.9	115	0.0
	UP	20173	0	383.2	173.2	-2.0	414	0.0
	Uttarakhand	1656	0	36.3	11.5	-0.6	87	0.0
	HP	1275	0	28.8	-6.2	-1.1	258	0.0
	J&K(UT) & Ladakh(UT)	2291	0	43.7	24.6	1.5	422	0.0
Chandigarh	234	0	4.8	4.9	-0.1	9	0.0	
WR	Chhattisgarh	3351	0	56.4	23.0	-1.0	237	0.0
	Gujarat	11602	0	250.6	59.9	0.5	741	0.0
	MP	7438	0	157.5	78.4	-2.2	772	0.0
	Maharashtra	16650	0	358.9	128.0	-4.0	628	0.0
	Goa	378	0	8.1	7.5	0.0	59	0.0
	DD	267	0	6.1	6.1	0.0	9	0.0
	DNH	708	0	16.3	16.4	-0.1	34	0.0
	AMNSIL	779	0	16.7	2.5	0.3	225	0.0
SR	Andhra Pradesh	8892	0	185.5	92.6	-0.7	547	0.0
	Telangana	9044	0	178.3	76.9	1.3	728	0.0
	Karnataka	9990	0	184.2	68.4	1.2	614	0.0
	Kerala	3265	0	66.2	51.6	0.6	176	0.0
	Tamil Nadu	12376	0	279.6	114.5	-1.1	624	0.0
	Puducherry	365	0	7.8	7.9	-0.1	39	0.0
ER	Bihar	6014	0	118.8	118.7	-0.6	327	0.0
	DVC	2926	0	62.9	-36.2	1.3	326	0.0
	Jharkhand	1510	0	29.2	20.6	-0.8	140	0.0
	Odisha	4174	0	86.3	15.2	0.8	314	0.0
	West Bengal	8404	0	167.4	49.5	1.9	519	0.0
	Sikkim	68	0	0.9	1.1	-0.2	9	0.0
NER	Arunachal Pradesh	110	2	1.8	2.0	-0.1	37	0.0
	Assam	1742	117	32.2	27.9	0.5	136	3.5
	Manipur	182	2	2.6	2.6	0.0	18	0.0
	Meghalaya	301	0	5.5	0.9	-0.3	20	0.0
	Mizoram	91	1	1.6	1.2	0.2	17	0.0
	Nagaland	123	1	2.1	2.4	-0.5	9	0.0
	Tripura	278	2	4.9	5.7	0.1	41	0.0

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

	Bhutan	Nepal	Bangladesh
Actual (MU)	50.1	-1.8	-26.0
Day Peak (MW)	2261.0	-281.3	-1125.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	270.1	-286.9	102.4	-89.2	3.6	0.0
Actual(MU)	252.7	-304.4	114.7	-70.7	3.9	-3.8
O/D/U/D(MU)	-17.5	-17.5	12.4	18.5	0.3	-3.8

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	TOTAL
Central Sector	6009	17733	8712	2815	580	35848
State Sector	11749	25178	13462	5782	11	56182
Total	17758	42911	22174	8597	591	92031

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Coal	444	906	370	418	7	2145
Lignite	24	8	21	0	0	53
Hydro	352	81	74	144	22	673
Nuclear	27	33	69	0	0	129
Gas, Naptha & Diesel	32	60	15	0	24	130
RES (Wind, Solar, Biomass & Others)	63	145	246	5	0	458
Total	941	1233	795	567	53	3588

Share of RES in total generation (%)	6.64	11.76	30.94	0.82	0.13	12.77
Share of Non-fossil fuel (Hydro,Nuclear and RES) in total generation(%)	46.87	20.96	48.96	26.31	41.54	35.10

H. All India Demand Diversity Factor

Based on Regional Max Demands	1.058
Based on State Max Demands	1.099

Diversity factor = Sum of regional or state maximum demands / All India maximum demand

\*Source: RLDCs for solar connected to ISTS; SLDCs for embedded solar. Limited visibility of embedded solar data.

Executive Director-NLDC

**INTER-REGIONAL EXCHANGES**

Import=(+ve) /Export =(-ve) for NET (MU)

Date of Reporting: 31-Aug-2020

Sl No	Voltage Level	Line Details	No. of Circuit	Max Import (MW)	Max Export (MW)	Import (MU)	Export (MU)	NET (MU)
<b>Import/Export of ER (With NR)</b>								
1	HVDC	ALIPURDUAR-AGRA	2	0	1399	0.0	34.6	-34.6
2	HVDC	PUSAULI B/B	-	0	198	0.0	4.9	-4.9
3	765 kV	GAYA-VARANASI	2	226	324	0.0	0.3	-0.3
4	765 kV	SASARAM-FATEHPUR	1	385	0	5.2	0.0	5.2
5	765 kV	GAYA-BALIA	1	0	478	0.0	7.3	-7.3
6	400 kV	PUSAULI-VARANASI	1	0	236	0.0	5.1	-5.1
7	400 kV	PUSAULI -ALLAHABAD	1	27	28	0.4	0.0	0.4
8	400 kV	MUZAFFARPUR-GORAKHPUR	2	38	444	0.0	6.0	-6.0
9	400 kV	PATNA-BALIA	4	120	783	0.0	7.8	-7.8
10	400 kV	BIHARSHARIFF-BALIA	2	40	305	0.0	3.4	-3.4
11	400 kV	MOTIHARI-GORAKHPUR	2	0	289	0.0	3.7	-3.7
12	400 kV	BIHARSHARIFF-VARANASI	2	305	0	4.3	0.0	4.3
13	220 kV	PUSAULI-SAHUPURI	1	0	129	0.0	2.3	-2.3
14	132 kV	SONE NAGAR-RIHAND	1	0	0	0.0	0.0	0.0
15	132 kV	GARWAH-RIHAND	1	30	0	0.4	0.0	0.4
16	132 kV	KARMANASA-SAHUPURI	1	0	0	0.0	0.0	0.0
17	132 kV	KARMANASA-CHANDAULI	1	0	0	0.0	0.0	0.0
<b>ER-NR</b>						<b>10.3</b>	<b>75.5</b>	<b>-65.2</b>
<b>Import/Export of ER (With WR)</b>								
1	765 kV	JHARSUGUDA-DHARAMJAIGARH	4	1139	0	17.9	0.0	17.9
2	765 kV	NEW RANCHI-DHARAMJAIGARH	2	1525	0	24.5	0.0	24.5
3	765 kV	JHARSUGUDA-DURG	2	178	111	1.1	0.0	1.1
4	400 kV	JHARSUGUDA-RAIGARH	4	373	6	5.2	0.0	5.2
5	400 kV	RANCHI-SIPAT	2	562	0	9.4	0.0	9.4
6	220 kV	BUDHIPADAR-RAIGARH	1	41	55	0.0	0.2	-0.2
7	220 kV	BUDHIPADAR-KORBA	2	214	0	3.9	0.0	3.9
<b>ER-WR</b>						<b>62.0</b>	<b>0.2</b>	<b>61.9</b>
<b>Import/Export of ER (With SR)</b>								
1	HVDC	JEYPORE-GAZUWAKA B/B	2	0	379	0.0	8.7	-8.7
2	HVDC	TALCHER-KOLAR BIPOLE	2	0	1641	0.0	39.7	-39.7
3	765 kV	ANGUL-SRIKAKULAM	2	0	2464	0.0	40.5	-40.5
4	400 kV	TALCHER-I/C	2	115	641	0.0	4.3	-4.3
5	220 kV	BALIMELA-UPPER-SILERRU	1	1	0	0.0	0.0	0.0
<b>ER-SR</b>						<b>0.0</b>	<b>88.8</b>	<b>-88.8</b>
<b>Import/Export of ER (With NER)</b>								
1	400 kV	BINAGURI-BONGAIGAON	2	0	565	0.0	8.2	-8.2
2	400 kV	ALIPURDUAR-BONGAIGAON	2	0	441	0.0	6.2	-6.2
3	220 kV	ALIPURDUAR-SALAKATI	2	0	158	0.0	2.4	-2.4
<b>ER-NER</b>						<b>0.0</b>	<b>16.7</b>	<b>-16.7</b>
<b>Import/Export of NER (With NR)</b>								
1	HVDC	BISWANATH CHARIALI-AGRA	2	0	603	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>								
1	HVDC	CHAMPA-KURUKSHETRA	2	0	902	0.0	25.9	-25.9
2	HVDC	VINDHYACHAL B/B	-	359	205	2.5	0.0	2.5
3	HVDC	MUNDRA-MOHINDERGARH	2	0	1919	0.0	30.7	-30.7
4	765 kV	GWALIOR-AGRA	2	0	2566	0.0	45.2	-45.2
5	765 kV	PHAGI-GWALIOR	2	0	1269	0.0	22.8	-22.8
6	765 kV	JABALPUR-ORAI	2	0	944	0.0	33.0	-33.0
7	765 kV	GWALIOR-ORAI	1	393	0	7.5	0.0	7.5
8	765 kV	SATNA-ORAI	1	0	1493	0.0	30.0	-30.0
9	765 kV	CHITORGARH-BANASKANTHA	2	0	946	0.0	12.6	-12.6
10	400 kV	ZERDA-KANKROLI	1	55	136	0.0	1.1	-1.1
11	400 kV	ZERDA -BHINMAL	1	251	214	0.0	1.3	-1.3
12	400 kV	VINDHYACHAL -RIHAND	1	984	0	21.7	0.0	21.7
13	400 kV	RAPP-SHUJALPUR	2	0	540	0.0	6.8	-6.8
14	220 kV	BHANPURA-RANPUR	1	11	0	0.0	1.6	-1.6
15	220 kV	BHANPURA-MORAK	1	0	125	0.0	1.7	-1.7
16	220 kV	MEHGAON-AURAIYA	1	73	15	0.2	0.2	0.0
17	220 kV	MALANPUR-AURAIYA	1	42	46	0.7	0.0	0.7
18	132 kV	GWALIOR-SAWAI MADHOPUR	1	0	0	0.0	0.0	0.0
19	132 kV	RAJGHAT-LALITPUR	2	0	0	0.0	0.0	0.0
<b>WR-NR</b>						<b>32.5</b>	<b>212.7</b>	<b>-180.2</b>
<b>Import/Export of WR (With SR)</b>								
1	HVDC	BHADRAWATI B/B	-	0	769	0.0	18.3	-18.3
2	HVDC	RAIGARH-PUGALUR	2	139	993	0.0	12.4	-12.4
3	765 kV	SOLAPUR-RAICHUR	2	487	1584	0.0	10.4	-10.4
4	765 kV	WARDHA-NIZAMABAD	2	0	2155	0.0	28.3	-28.3
5	400 kV	KOLHAPUR-KUDGI	2	507	0	6.1	0.0	6.1
6	220 kV	KOLHAPUR-CHIKODI	2	0	0	0.0	0.0	0.0
7	220 kV	PONDA-AMBEWADI	1	0	0	0.0	0.0	0.0
8	220 kV	XELDEM-AMBEWADI	1	1	81	1.4	0.0	1.4
<b>WR-SR</b>						<b>7.5</b>	<b>69.3</b>	<b>-61.8</b>

**INTERNATIONAL EXCHANGES**

State	Region	Line Name	Max (MW)	Min (MW)	Avg (MW)	Energy Exchange (MU)
BHUTAN	ER	400kV MANGDECHHU-ALIPURDUAR 1&2 i.e. ALIPURDUAR RECEIPT (from MANGDECHHU HEP 4*180MW)	684	0	641	15.4
	ER	400kV TALA-BINAGURI 1,2,4 (& 400kV MALBASE - BINAGURI) i.e. BINAGURI RECEIPT (from TALA HEP (6*170MW)	1083	0	1029	24.7
	ER	220kV CHUKHA-BIRPARA 1&2 (& 220kV MALBASE - BIRPARA) i.e. BIRPARA RECEIPT (from CHUKHA HEP 4*84MW)	390	0	329	7.9
	NER	132KV-GEYLEGPHU - SALAKATI	69	0	-59	-1.4
	NER	132kV Motanga-Rangia	35	19	-28	-0.7
NEPAL	NR	132KV-TANAKPUR(NH) - MAHENDRANAGAR(PG)	-42	0	-15	-0.4
	ER	132KV-BIHAR - NEPAL	-45	-1	-7	-0.2
	ER	220KV-MUZAFFARPUR - DHALKEBAR DC	-194	-4	-51	-1.2
BANGLADESH	1.058	BHERAMARA HVDC(BANGLADESH)	-945	-935	-936	-22.5
	1.099	132KV-SURAJMANI NAGAR - COMILLA(BANGLADESH)-1	91	0	-74	-1.8
	NER	132KV-SURAJMANI NAGAR - COMILLA(BANGLADESH)-2	89	0	-74	-1.8