



**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

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Ref: POSOCO/NLDC/SO/Daily PSP Report

दिनांक: 10<sup>th</sup> Nov 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 09.11.2020.**

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 09-नवंबर-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 9<sup>th</sup> November 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: 10-Nov-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 19:00 hrs; from RLDCs)	46376	51612	39853	18369	2462	158672
Peak Shortage (MW)	450	0	0	0	4	454
Energy Met (MU)	943	1199	869	355	41	3407
Hydro Gen (MU)	112	31	96	63	17	319
Wind Gen (MU)	2	22	40	-	-	64
Solar Gen (MU)*	33.78	28.32	102.59	4.42	0.13	169
Energy Shortage (MU)	1.4	0.0	0.0	0.0	0.0	1.4
Maximum Demand Met During the Day (MW) (From NLDC SCADA)	46875	54819	41882	18347	2565	159430
Time Of Maximum Demand Met (From NLDC SCADA)	09:44	10:55	11:59	18:20	17:36	18:23

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	2.64	2.64	81.84	15.52

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	6327	0	111.4	87.8	0.0	463	1.1
	Haryana	6049	0	120.4	107.0	1.1	215	0.0
	Rajasthan	12885	0	251.9	92.2	2.1	559	0.0
	Delhi	3461	0	63.2	46.3	-0.2	175	0.0
	UP	14987	0	280.3	99.7	-1.3	462	0.0
	Uttarakhand	1882	0	35.8	27.4	0.9	190	0.3
	HP	1569	6	29.5	21.5	-0.1	131	0.1
	J&K(UT) & Ladakh(UT)	2424	0	47.0	40.4	-0.7	348	0.0
WR	Chhattisgarh	178	0	3.1	3.0	0.1	21	0.0
	Chhattisgarh	3408	0	71.3	14.8	-1.0	228	0.0
	Gujarat	16596	0	355.2	59.2	4.5	549	0.0
	MP	13816	0	279.8	182.8	-4.7	541	0.0
	Maharashtra	20950	0	439.1	146.4	-0.3	732	0.0
	Goa	509	0	10.1	9.8	-0.2	22	0.0
	DD	338	0	7.2	7.1	0.1	21	0.0
	DNH	794	0	18.1	18.0	0.1	46	0.0
SR	AMNSIL	838	0	17.8	1.2	0.5	266	0.0
	Andhra Pradesh	8256	0	170.4	80.6	0.6	702	0.0
	Telangana	6877	0	138.9	43.0	-1.0	382	0.0
	Karnataka	10011	0	188.7	62.5	0.9	863	0.0
	Kerala	3728	0	73.5	50.3	0.6	285	0.0
	Tamil Nadu	14149	0	290.0	170.3	-1.5	592	0.0
ER	Puducherry	378	0	7.3	7.9	-0.6	45	0.0
	Bihar	4408	0	71.3	73.3	-2.6	345	0.0
	DVC	3130	0	62.8	-47.4	0.1	399	0.0
	Jharkhand	1398	0	24.4	18.0	-1.8	128	0.0
	Odisha	3904	0	80.0	6.8	0.0	139	0.0
	West Bengal	6478	0	114.8	20.9	0.2	535	0.0
NER	Sikkim	119	0	1.5	1.6	-0.1	33	0.0
	Arunachal Pradesh	134	1	2.1	2.2	0.0	25	0.0
	Assam	1473	6	23.4	20.9	-0.4	107	0.0
	Manipur	179	1	2.7	2.6	0.0	48	0.0
	Meghalaya	333	0	5.5	2.7	-0.3	51	0.0
	Mizoram	99	0	1.5	0.7	0.3	15	0.0
	Nagaland	136	0	2.4	2.0	0.1	11	0.0
Tripura	244	2	3.9	3.7	-0.4	24	0.0	

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

	Bhutan	Nepal	Bangladesh
Actual (MU)	16.6	-2.0	-18.3
Day Peak (MW)	912.0	-272.4	-979.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	292.2	-326.7	137.7	-101.0	-2.2	0.0
Actual(MU)	297.1	-318.1	137.6	-119.1	-4.1	-6.5
O/D/U/D(MU)	4.9	8.7	-0.1	-18.1	-1.9	-6.5

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	TOTAL
Central Sector	6900	12763	10662	3440	509	34273
State Sector	15146	12001	12536	6285	11	45978
Total	22046	24764	23198	9725	520	80252

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Coal	434	1339	377	423	7	2580
Lignite	22	14	25	0	0	61
Hydro	112	31	96	63	17	319
Nuclear	28	21	46	0	0	95
Gas, Naptha & Diesel	19	77	16	0	27	138
RES (Wind, Solar, Biomass & Others)	55	51	180	4	0	291
Total	669	1533	740	491	51	3484
Share of RES in total generation (%)	8.22	3.35	24.32	0.91	0.26	8.35
Share of Non-fossil fuel (Hydro,Nuclear and RES) in total generation(%)	29.08	6.73	43.53	13.82	33.53	20.23

H. All India Demand Diversity Factor

Based on Regional Max Demands	1.032
Based on State Max Demands	1.081

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: 10-Nov-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	501	0.0	12.1	-12.1
2	HVDC	PUSAULI B/B	-	0	297	0.0	7.3	-7.3
3	765 kV	GAYA-VARANASI	2	0	984	0.0	14.3	-14.3
4	765 kV	SASARAM-FATEHPUR	1	40	428	0.0	4.5	-4.5
5	765 kV	GAYA-BALIA	1	0	517	0.0	9.6	-9.6
6	400 kV	PUSAULI-VARANASI	1	0	229	0.0	4.5	-4.5
7	400 kV	PUSAULI-ALLAHABAD	1	0	166	0.0	2.7	-2.7
8	400 kV	MUZAFFARPUR-GORAKHPUR	2	0	814	0.0	9.1	-9.1
9	400 kV	PATNA-BALIA	4	0	1053	0.0	15.2	-15.2
10	400 kV	BIHARSHARIF-BALIA	2	0	400	0.0	5.5	-5.5
11	400 kV	MOTIHARI-GORAKHPUR	2	0	309	0.0	5.1	-5.1
12	400 kV	BIHARSHARIF-VARANASI	2	95	289	0.0	1.7	-1.7
13	220 kV	PUSAULI-SAHUPURI	1	22	50	0.0	0.2	-0.2
14	132 kV	SONE NAGAR-RIHAND	1	0	0	0.0	0.0	0.0
15	132 kV	GARWAH-RIHAND	1	20	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>						0.4	91.7	-91.3
<b>Import/Export of ER (With WR)</b>								
1	765 kV	JHARSUGUDA-DHARAMJAIGARH	4	1321	0	17.7	0.0	17.7
2	765 kV	NEW RANCHI-DHARAMJAIGARH	2	757	216	7.9	0.0	7.9
3	765 kV	JHARSUGUDA-DURG	2	105	118	0.7	0.0	0.7
4	400 kV	JHARSUGUDA-RAIGARH	4	428	5	6.1	0.0	6.1
5	400 kV	RANCHI-SIPAT	2	287	86	3.8	0.0	3.8
6	220 kV	BUDHIPADAR-RAIGARH	1	0	125	0.0	1.7	-1.7
7	220 kV	BUDHIPADAR-KORBA	2	163	0	2.4	0.0	2.4
<b>ER-WR</b>						38.5	1.7	36.8
<b>Import/Export of ER (With SR)</b>								
1	HVDC	JEYPORE-GAZUWAKA B/B	2	0	650	0.0	8.9	-8.9
2	HVDC	TALCHER-KOLAR BIPOLE	2	0	1995	0.0	38.4	-38.4
3	765 kV	ANGUL-SRIKAKULAM	2	0	2953	0.0	52.6	-52.6
4	400 kV	TALCHER-I/C	2	650	769	0.0	4.8	-4.8
5	220 kV	BALIMELA-UPPER-SILERRU	1	1	0	0.0	0.0	0.0
<b>ER-SR</b>						0.0	99.9	-99.9
<b>Import/Export of ER (With NER)</b>								
1	400 kV	BINAGURI-BONGAIGAON	2	0	287	0.0	2.7	-2.7
2	400 kV	ALIPURDUAR-BONGAIGAON	2	52	292	0.0	1.5	-1.5
3	220 kV	ALIPURDUAR-SALAKATI	2	0	71	0.0	0.8	-0.8
<b>ER-NER</b>						0.0	5.0	-5.0
<b>Import/Export of NER (With NR)</b>								
1	HVDC	BISWANATH CHARIALI-AGRA	2	0	501	0.0	9.8	-9.8
<b>NER-NR</b>						0.0	9.8	-9.8
<b>Import/Export of WR (With NR)</b>								
1	HVDC	CHAMPA-KURUKSHETRA	2	0	1754	0.0	47.5	-47.5
2	HVDC	VINDHYACHAL B/B	-	443	0	10.5	0.0	10.5
3	HVDC	MUNDRA-MOHINDERGARH	2	0	1176	0.0	24.9	-24.9
4	765 kV	GWALIOR-AGRA	2	0	2653	0.0	48.8	-48.8
5	765 kV	PHAGI-GWALIOR	2	0	1748	0.0	28.8	-28.8
6	765 kV	JABALPUR-ORAI	2	0	1085	0.0	39.2	-39.2
7	765 kV	GWALIOR-ORAI	1	649	0	12.1	0.0	12.1
8	765 kV	SATNA-ORAI	1	0	1617	0.0	33.5	-33.5
9	765 kV	CHITORGARH-BANASKANTHA	2	0	915	0.0	12.7	-12.7
10	400 kV	ZERDA-KANKROLI	1	7	207	0.0	2.0	-2.0
11	400 kV	ZERDA -BHINMAL	1	0	484	0.0	6.0	-6.0
12	400 kV	VINDHYACHAL -RIHAND	1	969	0	22.6	0.0	22.6
13	400 kV	RAPP-SHUJALPUR	2	0	434	0.0	5.3	-5.3
14	220 kV	BHANPURA-RANPUR	1	0	151	0.0	2.1	-2.1
15	220 kV	BHANPURA-MORAK	1	11	0	0.1	0.5	-0.4
16	220 kV	MEHGAON-AURAIYA	1	116	0	0.5	0.0	0.4
17	220 kV	MALANPUR-AURAIYA	1	68	23	1.4	0.0	1.4
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>						47.2	251.3	-204.1
<b>Import/Export of WR (With SR)</b>								
1	HVDC	BHADRAWATI B/B	-	0	522	0.0	12.1	-12.1
2	HVDC	RAIGARH-PUGALUR	2	0	1198	0.0	11.7	-11.7
3	765 kV	SOLAPUR-RAICHUR	2	344	2724	0.0	31.5	-31.5
4	765 kV	WARDHA-NIZAMABAD	2	0	2301	0.0	29.0	-29.0
5	400 kV	KOLHAPUR-KUDGI	2	546	0	7.9	0.0	7.9
6	220 kV	KOLHAPUR-CHIKODI	2	0	0	0.0	0.0	0.0
7	220 kV	PONDA-AMBEWADI	1	1	0	0.0	0.0	0.0
8	220 kV	XELDEM-AMBEWADI	1	0	39	0.8	0.0	0.8
<b>WR-SR</b>						8.7	84.4	-75.7

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)	221	0	210	5.1
	ER	400kV TALA-BINAGURI 1,2,4 (& 400kV MALBASE - BINAGURI) i.e. BINAGURI RECEIPT (from TALA HEP (6*170MW)	535	318	368	8.8
	ER	220kV CHUKHA-BIRPARA 1&2 (& 220kV MALBASE - BIRPARA) i.e. BIRPARA RECEIPT (from CHUKHA HEP 4*84MW)	115	0	88	2.1
	NER	132KV-GEYLEGPHU - SALAKATI	21	4	-10	-0.3
	NER	132kV Motanga-Rangia	20	0	-17	-0.4
NEPAL	NR	132KV-TANAKPUR(NH) - MAHENDRANAGAR(PG)	-51	0	-8	-0.2
	ER	132KV-BIHAR - NEPAL	-221	-1	-76	-1.8
	ER	220KV-MUZAFFARPUR - DHALKEBAR DC	0	0	0	0.0
BANGLADESH	ER	BHERAMARA HVDC(BANGLADESH)	-847	-486	-658	-15.8
	NER	132KV-SURAJMANI NAGAR - COMILLA(BANGLADESH)-1	66	0	-52	-1.3
	NER	132KV-SURAJMANI NAGAR - COMILLA(BANGLADESH)-2	66	0	-52	-1.3