



**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: 7<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 06.11.2020.**

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 06-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 6<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: 07-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)	45606	50606	40337	17991	2535	157075
Peak Shortage (MW)	550	0	0	0	90	640
Energy Met (MU)	945	1195	889	363	44	3436
Hydro Gen (MU)	107	25	95	68	17	311
Wind Gen (MU)	1	19	40	-	-	60
Solar Gen (MU)*	37.22	30.14	81.85	4.42	0.10	154
Energy Shortage (MU)	2.5	0.0	0.0	0.0	1.6	4.1
Maximum Demand Met During the Day (MW) (From NLDC SCADA)	45942	53800	42187	18487	2671	158289
Time Of Maximum Demand Met (From NLDC SCADA)	11:15	09:32	12:45	17:43	17:33	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	0.026	0.00	0.00	2.05	2.05	78.43	19.53

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	5610	0	112.1	87.9	-0.2	151	1.5
	Haryana	6056	0	123.4	109.4	1.5	301	0.0
	Rajasthan	12696	0	248.4	93.8	1.9	467	0.0
	Delhi	3546	0	65.0	47.9	-0.2	202	0.0
	UP	15070	300	283.9	113.7	1.6	452	0.9
	Uttarakhand	1853	0	35.9	26.5	1.5	198	0.2
	HP	1570	0	29.2	21.7	0.0	167	0.0
	J&K(UT) & Ladakh(UT)	2594	0	43.7	41.8	-3.4	419	0.0
WR	Chhattisgarh	175	0	3.0	2.9	0.1	25	0.0
	Chhattisgarh	3473	0	72.7	22.3	-1.2	165	0.0
	Gujarat	16453	0	360.7	46.7	3.4	389	0.0
	MP	14152	0	276.1	175.3	-2.3	423	0.0
	Maharashtra	20058	0	431.1	140.6	-2.9	536	0.0
	Goa	480	0	10.1	9.8	-0.2	26	0.0
	DD	339	0	8.9	7.5	1.5	40	0.0
	DNH	775	0	18.0	18.2	-0.1	41	0.0
SR	AMNSIL	789	0	17.1	1.2	0.4	245	0.0
	Andhra Pradesh	8368	0	179.0	84.1	0.9	806	0.0
	Telangana	7385	0	150.1	48.2	0.5	534	0.0
	Karnataka	9781	0	185.9	50.1	0.0	474	0.0
	Kerala	3593	0	71.4	46.2	0.3	223	0.0
	Tamil Nadu	13865	0	294.6	190.4	-3.2	338	0.0
	Puducherry	391	0	8.0	8.2	-0.2	26	0.0
	DVC	4109	0	68.8	71.6	-3.3	396	0.0
ER	DVC	3211	0	63.4	-31.8	1.4	239	0.0
	Jharkhand	1339	0	24.2	17.9	-1.9	134	0.0
	Odisha	4373	0	88.0	7.4	-0.1	164	0.0
	West Bengal	6503	0	116.9	28.7	2.4	552	0.0
	Sikkim	101	0	1.5	1.6	-0.1	37	0.0
	Arunachal Pradesh	129	1	2.1	2.2	-0.1	39	0.0
	Assam	1553	59	26.0	23.2	-0.1	109	1.5
	Manipur	208	1	2.7	2.6	0.1	27	0.0
NER	Meghalaya	331	0	6.0	2.4	-0.1	45	0.0
	Mizoram	103	1	1.7	0.7	0.8	12	0.0
	Nagaland	137	1	2.5	2.2	0.1	15	0.0
	Tripura	229	0	3.5	2.9	-0.6	16	0.0

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

	Bhutan	Nepal	Bangladesh
Actual (MU)	18.3	-1.3	-22.2
Day Peak (MW)	846.0	-219.9	-1017.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	320.4	-325.5	120.8	-114.4	-1.2	0.0
Actual(MU)	332.2	-333.9	121.8	-121.6	-3.0	-4.5
O/D/U/D(MU)	11.9	-8.4	0.9	-7.2	-1.8	-4.5

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	TOTAL
Central Sector	7210	13483	10852	2570	690	34804
State Sector	15806	12428	11786	7585	11	47615
Total	23016	25911	22638	10155	701	82420

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Coal	405	1332	436	430	7	2610
Lignite	20	13	26	0	0	59
Hvdro	107	25	95	68	17	311
Nuclear	28	21	42	0	0	90
Gas, Naptha & Diesel	20	95	16	0	26	157
RES (Wind, Solar, Biomass & Others)	58	50	162	4	0	274
Total	636	1535	776	503	51	3501
Share of RES in total generation (%)	9.04	3.23	20.87	0.88	0.20	7.82
Share of Non-fossil fuel (Hydro,Nuclear and RES) in total generation(%)	30.12	6.18	38.43	14.45	34.48	19.28

H. All India Demand Diversity Factor

Based on Regional Max Demands	1.030
Based on State Max Demands	1.083

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: 07-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	350	0.0	8.8	-8.8
2	HVDC	PUSAULI-BB	-	0	297	0.0	7.2	-7.2
3	765 kV	GAYA-VARANASI	2	0	1051	0.0	15.4	-15.4
4	765 kV	SASARAM-FATEHPUR	1	0	234	0.0	3.9	-3.9
5	765 kV	GAYA-BALIA	1	0	499	0.0	8.8	-8.8
6	400 kV	PUSAULI-VARANASI	1	0	212	0.0	4.2	-4.2
7	400 kV	PUSAULI-ALLAHABAD	1	0	161	0.0	2.8	-2.8
8	400 kV	MUZAFFARPUR-GORAKHPUR	2	0	846	0.0	11.4	-11.4
9	400 kV	PATNA-BALIA	4	0	1194	0.0	18.4	-18.4
10	400 kV	BIHARSHARIFE-BALIA	2	0	431	0.0	5.2	-5.2
11	400 kV	MOTIHARI-GORAKHPUR	2	0	352	0.0	6.1	-6.1
12	400 kV	BIHARSHARIFE-VARANASI	2	0	414	0.0	3.6	-3.6
13	220 kV	PUSAULI-SAHUPURI	1	8	52	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	0.3	0.0	0.3
16	132 kV	KARMANASA-SAHUPURI	1	0	0	0.0	0.0	0.0
17	132 kV	KARMANASA-CHANDAUJI	1	0	0	0.0	0.0	0.0
						ER-NR	96.1	-95.8
<b>Import/Export of ER (With WR)</b>								
1	765 kV	JHARSUGUDA-DHARAMJAIGARH	4	1332	0	20.8	0.0	20.8
2	765 kV	NEW RANCHI-DHARAMJAIGARH	2	931	68	9.9	0.0	9.9
3	765 kV	JHARSUGUDA-DURG	2	273	39	2.0	0.0	2.0
4	400 kV	JHARSUGUDA-RAIGARH	4	479	0	7.1	0.0	7.1
5	400 kV	RANCHI-SIPAT	2	334	0	4.3	0.0	4.3
6	220 kV	BUDHIPADAR-RAIGARH	1	0	115	0.0	1.7	-1.7
7	220 kV	BUDHIPADAR-KORBA	2	183	0	2.8	0.0	2.8
						ER-WR	46.8	1.7
						WR-WR	1.7	45.1
<b>Import/Export of ER (With SR)</b>								
1	HVDC	JEYPORE-GAZUWAKA B/B	2	0	315	0.0	7.3	-7.3
2	HVDC	TALCHER-KOLAR BIPOLE	2	0	1691	0.0	40.9	-40.9
3	765 kV	ANGUL-SRIKAKULAM	2	0	2628	0.0	49.7	-49.7
4	400 kV	TALCHER-I/C	2	0	816	0.0	12.5	-12.5
5	220 kV	BALIMELA-UPPER-SILERRU	1	1	0	0.0	0.0	0.0
						ER-SR	0.0	97.8
<b>Import/Export of ER (With NER)</b>								
1	400 kV	BINAGURI-BONGAIGAON	2	0	281	0.0	2.7	-2.7
2	400 kV	ALIPURDUAR-BONGAIGAON	2	0	545	0.0	4.2	-4.2
3	220 kV	ALIPURDUAR-SALAKATI	2	0	103	0.0	1.0	-1.0
						ER-NER	0.0	7.9
<b>Import/Export of NER (With NR)</b>								
1	HVDC	BISWANATH CHARIALI-AGRA	2	0	501	0.0	12.1	-12.1
						NER-NR	0.0	12.1
<b>Import/Export of WR (With NR)</b>								
1	HVDC	CHAMPA-KURUKSHETRA	2	0	2978	0.0	41.2	-41.2
2	HVDC	VINDHYACHAL-B/B	-	443	205	7.1	1.7	5.4
3	HVDC	MUNDA-MOHINDERGARH	2	0	1735	0.0	34.8	-34.8
4	765 kV	GWALIOR-AGRA	2	0	2797	0.0	54.8	-54.8
5	765 kV	PHAGI-GWALIOR	2	0	1776	0.0	28.3	-28.3
6	765 kV	JABALPUR-ORAI	2	0	1227	0.0	46.1	-46.1
7	765 kV	GWALIOR-ORAI	1	658	0	10.5	0.0	10.5
8	765 kV	SATNA-ORAI	1	0	1592	0.0	34.2	-34.2
9	765 kV	CHITORGARH-BANASKANTHA	2	0	1086	0.0	16.4	-16.4
10	400 kV	ZERDA-KANKROLI	1	0	229	0.0	2.6	-2.6
11	400 kV	ZERDA-BHINMAL	1	0	503	0.0	6.7	-6.7
12	400 kV	VINDHYACHAL-RIHAND	1	972	0	22.5	0.0	22.5
13	400 kV	RAPP-SHILPUR	2	0	456	0.0	6.6	-6.6
14	220 kV	BHANPURA-RANPUR	1	0	147	0.0	1.8	-1.8
15	220 kV	BHANPURA-MORAK	1	11	0	0.2	0.4	-0.2
16	220 kV	MEHGAON-AURAIYA	1	105	0	0.3	0.1	0.2
17	220 kV	MALANPUR-AURAIYA	1	58	24	1.1	0.0	1.1
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
						WR-NR	41.7	275.6
						NR-NR	275.6	-233.9
<b>Import/Export of WR (With SR)</b>								
1	HVDC	BHADRAWATI-B/B	-	0	518	0.0	11.6	-11.6
2	HVDC	RAIGARH-PUGAUR	2	0	401	0.0	8.5	-8.5
3	765 kV	SOJAPUR-RAICHUR	2	187	1994	0.0	20.2	-20.2
4	765 kV	WARDHA-NIZAMABAD	2	0	1871	0.0	22.4	-22.4
5	400 kV	KOLHAPUR-KUDGI	2	600	0	8.8	0.0	8.8
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	XELDDEM-AMBEWADI	1	0	45	0.8	0.0	0.8
						WR-SR	9.6	62.7
						SR-SR	62.7	-53.2

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)	239	236	237	5.7
	ER	400KV TALA-BINAGURI 1,2,4 (& 400KV MALBASE - BINAGURI) I.e. BINAGURI RECEIPT (from TALA HEP (6*170MW))	435	378	398	9.6
	ER	220KV CHUKHA-BIRPARA 1&2 (& 220KV MALBASE - BIRPARA) I.e. BIRPARA RECEIPT (from CHUKHA HEP 4*84MW)	129	0	90	2.2
	NER	132KV-GEYLEGPHU - SALAKATI	18	4	-10	-0.2
	NER	132KV Motanga-Rangia	25	21	25	-0.6
NEPAL	NR	132KV-TANAKPUR(NH) - MAHENDRANAGAR(PG)	-56	0	-8	-0.2
	ER	132KV-BIHAR - NEPAL	-100	0	-43	-1.0
	ER	220KV-MUZAFFARPUR - DHALKEBAR DC	-64	-2	-2	-0.1
BANGLADESH	ER	BHERAMARA HVDC(BANGLADESH)	-921	-726	-844	-20.2
	NER	132KV-SURAJMANI NAGAR - COMILLA(BANGLADESH)-1	48	0	-40	-1.0
	NER	132KV-SURAJMANI NAGAR - COMILLA(BANGLADESH)-2	48	0	-40	-1.0