



**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: 13<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., डोंगतिह, 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 12.11.2020.**

महोदय/Dear Sir,

आईईजीसी-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 12-नवंबर-2020 की अखिल भारतीय प्रणाली की दैनिक ग्रिड निष्पादन रिपोर्ट रांभांप्रेके 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 12<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: 13-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)	46637	50606	39166	18141	2500	157050
Peak Shortage (MW)	325	0	0	0	6	331
Energy Met (MU)	960	1186	880	358	43	3427
Hydro Gen (MU)	112	37	97	60	16	322
Wind Gen (MU)	13	59	44	-	-	115
Solar Gen (MU)*	25.34	25.51	68.51	4.62	0.14	124
Energy Shortage (MU)	1.1	0.0	0.0	0.0	0.1	1.1
Maximum Demand Met During the Day (MW) (From NLDC SCADA)	46836	55102	42568	18564	2663	159525
Time Of Maximum Demand Met (From NLDC SCADA)	18:31	10:35	09:59	18:03	17:20	18:19

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	0.032	0.00	0.08	6.56	6.64	78.61	14.75

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	5711	0	113.9	95.2	-0.7	118	1.1
	Haryana	5929	0	119.3	108.8	-0.6	264	0.0
	Rajasthan	12985	0	248.2	80.8	-2.2	326	0.0
	Delhi	3395	0	62.8	47.0	-1.0	177	0.0
	UP	15328	0	294.9	109.7	-2.0	420	0.0
	Uttarakhand	1839	0	36.4	27.4	0.8	162	0.0
	HP	1570	0	29.5	20.9	0.4	232	0.0
	J&K(UT) & Ladakh(UT)	2568	0	52.0	43.1	1.6	541	0.0
WR	Chandigarh	175	0	3.1	3.2	0.0	13	0.0
	Chhattisgarh	3384	0	73.7	16.8	-1.0	259	0.0
	Gujarat	15346	0	337.8	49.2	2.3	491	0.0
	MP	14078	0	286.5	177.9	-3.6	439	0.0
	Maharashtra	21285	0	436.2	141.3	-1.5	665	0.0
	Goa	466	0	9.8	9.1	0.2	39	0.0
	DD	335	0	7.4	7.2	0.2	22	0.0
	DNH	787	0	18.1	17.9	0.2	78	0.0
SR	AMNSIL	781	0	16.4	1.2	0.3	261	0.0
	Andhra Pradesh	7833	0	163.7	78.8	-0.6	406	0.0
	Telangana	6863	0	139.9	45.3	-0.8	629	0.0
	Karnataka	10790	0	197.2	61.1	0.0	695	0.0
	Kerala	3628	0	72.8	55.0	-0.1	237	0.0
	Tamil Nadu	14479	0	299.1	197.2	-0.3	772	0.0
	Puducherry	375	0	7.7	8.0	-0.3	35	0.0
	ER	Bihar	4319	0	74.1	73.1	0.5	384
DVC		3071	0	63.6	-52.4	-0.7	567	0.0
Jharkhand		1418	0	25.1	18.5	-1.7	155	0.0
Odisha		3910	0	72.9	1.1	-0.7	197	0.0
West Bengal		6746	0	120.9	24.1	0.4	522	0.0
Sikkim		107	0	1.5	1.6	-0.1	18	0.0
NER	Arunachal Pradesh	119	1	2.1	2.1	0.0	34	0.0
	Assam	1537	30	24.9	22.2	0.7	136	0.0
	Manipur	207	2	2.6	2.7	0.0	56	0.0
	Meghalaya	351	0	5.7	2.5	-0.1	30	0.0
	Mizoram	95	1	1.5	0.8	0.3	10	0.0
	Nagaland	123	2	2.1	1.9	0.0	23	0.0
	Tripura	246	1	3.9	3.5	-0.3	22	0.0

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

	Bhutan	Nepal	Bangladesh
Actual (MU)	15.6	-2.1	-19.4
Day Peak (MW)	675.0	-228.0	-1036.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	316.1	-345.7	142.5	-111.9	-1.1	0.0
Actual(MU)	308.4	-338.8	149.9	-115.8	-0.7	3.1
O/D/U/D(MU)	-7.7	7.0	7.4	-3.9	0.4	3.1

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	TOTAL
Central Sector	6800	12523	9702	4700	539	34263
State Sector	14306	16313	13556	5122	11	49307
Total	21106	28835	23258	9822	550	83571

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Coal	429	1331	390	432	7	2589
Lignite	75	15	24	0	0	65
Hydro	112	37	97	60	16	322
Nuclear	28	17	70	0	0	114
Gas, Naptha & Diesel	20	70	16	0	25	131
RES (Wind, Solar, Biomass & Others)	58	84	148	5	0	295
Total	672	1554	745	497	49	3516
Share of RES in total generation (%)	8.60	5.43	19.89	0.93	0.29	8.39
Share of Non-fossil fuel (Hydro,Nuclear and RES) in total generation(%)	29.34	8.91	42.20	13.04	33.99	20.80

H. All India Demand Diversity Factor

Based on Regional Max Demands	1.039
Based on State Max Demands	1.079

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: 13-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	12.9	-12.9
2	HVDC	PUSAULI-B/B	-	0	297	0.0	7.6	-7.6
3	765 kV	GAYALYARANASI	2	0	893	0.0	11.9	-11.9
4	765 kV	SASARAM-FATEHPUR	1	67	310	0.0	2.5	-2.5
5	765 kV	GAYA-BALIA	1	0	529	0.0	8.2	-8.2
6	400 kV	PUSAULI-VARANASI	1	0	233	0.0	4.9	-4.9
7	400 kV	PUSAULI-ALLAHABAD	1	0	155	0.0	2.5	-2.5
8	400 kV	MUZAFFARPUR-GORAKHPUR	2	0	670	0.0	6.8	-6.8
9	400 kV	PATNA-BALIA	4	0	817	0.0	10.2	-10.2
10	400 kV	BIHARSHARIFF-BALIA	2	0	392	0.0	4.8	-4.8
11	400 kV	MOTIHARI-GORAKHPUR	2	0	257	0.0	4.2	-4.2
12	400 kV	BIHARSHARIFF-VARANASI	2	149	242	0.0	0.0	0.0
13	220 kV	PUSAULI-SAHUPURI	1	33	52	0.0	0.4	-0.4
14	132 kV	SONE NAGAR-RIHAND	1	0	0	0.0	0.0	0.0
15	132 kV	GARWAH-RIHAND	1	20	0	0.6	0.0	0.6
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	0.6	-76.0
<b>Import/Export of ER (With WR)</b>								
1	765 kV	JHARSUGUDA-DHARAMJAIGARH	4	1454	0	13.5	0.0	13.5
2	765 kV	NEW RANCHI-DHARAMJAIGARH	2	1136	0	14.1	0.0	14.1
3	765 kV	JHARSUGUDA-DURG	2	363	121	0.7	0.0	0.7
4	400 kV	JHARSUGUDA-RAIGARH	4	414	0	4.5	0.0	4.5
5	400 kV	RANCHI-SIPAT	2	378	0	5.1	0.0	5.1
6	220 kV	BUDHIPADAR-RAIGARH	1	22	78	0.0	0.6	-0.6
7	220 kV	BUDHIPADAR-KORBA	2	207	0	3.4	0.0	3.4
						ER-WR	41.2	-40.6
<b>Import/Export of ER (With SR)</b>								
1	HVDC	JEYPORE-GAZUWAKA B/B	2	0	651	0.0	14.4	-14.4
2	HVDC	TALCHER-KOLAR BIPOLE	2	0	1987	0.0	41.7	-41.7
3	765 kV	ANGUL-SRIKAKULAM	2	0	2765	0.0	47.8	-47.8
4	400 kV	TALCHER-I/C	2	0	631	0.0	8.2	-8.2
5	220 kV	BALIMELA-UPPER-SILERRU	1	1	0	0.0	0.0	0.0
						ER-SR	103.9	-103.9
<b>Import/Export of ER (With NER)</b>								
1	400 kV	BINAGURI-BONGAIGAON	2	0	492	0.0	7.1	-7.1
2	400 kV	ALIPURDUAR-BONGAIGAON	2	0	591	0.0	7.9	-7.9
3	220 kV	ALIPURDUAR-SALAKATI	2	0	116	0.0	1.8	-1.8
						ER-NER	0.0	-16.8
<b>Import/Export of NER (With NR)</b>								
1	HVDC	BISWANATH CHARIALI-AGRA	2	0	703	0.0	17.2	-17.2
						NER-NR	0.0	-17.2
<b>Import/Export of WR (With NR)</b>								
1	HVDC	CHAMPA-KURUKSHETRA	2	0	1502	0.0	36.2	-36.2
2	HVDC	VINDHYACHAL B/B	-	449	0	9.5	0.0	9.5
3	HVDC	MUNDRAMOHINDERGARH	2	0	1458	0.0	33.8	-33.8
4	765 kV	GWALIOR-AGRA	2	0	2698	0.0	55.0	-55.0
5	765 kV	PHAGI-GWALIOR	2	0	1723	0.0	29.1	-29.1
6	765 kV	JABALPUR-ORAI	2	0	1175	0.0	45.1	-45.1
7	765 kV	GWALIOR-ORAI	1	623	0	10.3	0.0	10.3
8	765 kV	SATNA-ORAI	1	0	1557	0.0	34.5	-34.5
9	765 kV	CHITORGARH-BANASKANTHA	2	0	1263	0.0	12.5	-12.5
10	400 kV	ZERDA-KANKROLI	1	11	248	0.0	2.5	-2.5
11	400 kV	ZERDA-BHINMAL	1	0	499	0.0	5.5	-5.5
12	400 kV	VINDHYACHAL-RIHAND	1	975	0	22.5	0.0	22.5
13	400 kV	RAPP-SHULJALPUR	2	0	482	0.0	5.5	-5.5
14	220 kV	BHANPURA-RANPUR	1	0	167	0.0	2.2	-2.2
15	220 kV	BHANPURA-MORAK	1	11	0	0.1	0.7	-0.6
16	220 kV	MEHGAON-AURAIYA	1	92	0	0.3	0.1	0.2
17	220 kV	MALANPUR-AURAIYA	1	43	29	1.3	0.0	1.3
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	43.9	-218.6
<b>Import/Export of WR (With SR)</b>								
1	HVDC	BHADRAWATI B/B	-	0	522	0.0	12.2	-12.2
2	HVDC	RAIGARH-PUGALUR	2	0	1197	0.0	14.6	-14.6
3	765 kV	SOLAPUR-RAICHUR	2	0	2679	0.0	34.5	-34.5
4	765 kV	WARDHA-NIZAMABAD	2	0	2047	0.0	26.0	-26.0
5	400 kV	KOLHAPUR-KUDGI	2	581	0	6.9	0.0	6.9
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	48	0.8	0.8	-0.8
						WR-SR	7.7	-79.5

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)	205	203	205	5.0
	ER	400KV TALA-BINAGURI 1,2,4 (& 400KV MALBASE - BINAGURI) i.e. BINAGURI RECEIPT (from TALA HEP 6*170MW)	407	338	361	8.7
	ER	220KV CHUKHA-BIRPARA 1&2 (& 220KV MALBASE - BIRPARA) i.e. BIRPARA RECEIPT (from CHUKHA HEP 4*84MW)	105	0	49	1.2
	NER	132KV-GEYLEGPHU - SALAKATI	-17	-5	-10	-0.2
	NER	132KV Motanga-Rangia	-24	-18	-21	-0.5
NEPAL	NR	132KV-TANAKPUR(NH) - MAHENDRANAGAR(PG)	0	0	0	0.0
	ER	132KV-BIHAR - NEPAL	-136	-1	-61	-1.5
BANGLADESH	ER	220KV-MUZAFFARPUR - DHALKEBAR DC	-92	-20	-25	-0.6
	ER	BHERAMARA HVDC(BANGLADESH)	-910	-522	-703	-16.9
	NER	132KV-SURAJMANI NAGAR - COMILLA(BANGLADESH)-1	63	0	-53	-1.3
	NER	132KV-SURAJMANI NAGAR - COMILLA(BANGLADESH)-2	63	0	-53	-1.3