



**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: 27<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 26.11.2020.**

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 26-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 26<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:

27-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)	45527	50718	33356	16651	2475	148727
Peak Shortage (MW)	0	0	0	0	9	9
Energy Met (MU)	879	1195	725	338	42	3178
Hydro Gen (MU)	108	32	84	43	13	280
Wind Gen (MU)	42	139	57	-	-	239
Solar Gen (MU)*	30.28	25.76	30.24	4.23	0.13	91
Energy Shortage (MU)	0.00	0.00	0.00	0.00	0.05	0.05
Maximum Demand Met During the Day (MW) (From NLDC SCADA)	45112	57315	35062	17509	2544	152491
Time Of Maximum Demand Met (From NLDC SCADA)	09:44	10:54	09:29	18:05	17:30	09:56

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	0.033	0.00	0.35	3.50	3.84	73.32	22.84

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	5722	0	110.1	67.6	-1.9	64	0.00
	Haryana	6045	0	117.1	106.0	0.6	187	0.00
	Rajasthan	11641	0	224.5	46.3	-4.8	363	0.00
	Delhi	3470	0	61.8	44.2	0.4	262	0.00
	UP	13919	0	243.6	102.4	-0.7	542	0.00
	Uttarakhand	1933	0	37.1	29.4	0.0	146	0.00
	HP	1646	0	30.6	24.1	-0.7	118	0.00
	J&K(UT) & Ladakh(UT)	2659	0	51.4	45.4	0.3	333	0.00
WR	Chhattisgarh	176	0	3.0	3.4	-0.4	7	0.00
	Chhattisgarh	3320	0	73.0	18.1	-0.5	175	0.00
	Gujarat	15716	0	334.6	36.0	-0.7	790	0.00
	MP	14300	0	275.3	170.7	-3.2	574	0.00
	Maharashtra	22585	0	458.0	150.2	-0.6	708	0.00
	Goa	483	0	10.0	9.8	-0.2	26	0.00
	DD	338	0	7.5	7.2	0.4	27	0.00
	DNH	802	0	18.5	18.3	0.2	35	0.00
SR	AMNSIL	776	0	17.7	1.2	0.4	236	0.00
	Andhra Pradesh	5826	0	122.4	50.9	-0.7	338	0.00
	Telangana	7043	0	138.4	53.9	-1.8	334	0.00
	Karnataka	10255	0	186.1	67.3	3.1	812	0.00
	Kerala	3308	0	67.3	50.2	0.5	302	0.00
	Tamil Nadu	10961	0	208.4	134.8	-6.2	422	0.00
ER	Puducherry	253	0	2.3	4.3	-2.0	91	0.00
	Bihar	4374	0	74.0	73.6	-0.6	354	0.00
	DVC	3010	0	62.7	-46.1	0.5	390	0.00
	Jharkhand	1388	0	25.4	19.4	-2.5	79	0.00
	Odisha	3575	0	67.5	8.1	-1.2	234	0.00
	West Bengal	5869	0	106.5	25.0	1.2	353	0.00
NER	Sikkim	104	0	1.6	1.7	-0.1	42	0.00
	Arunachal Pradesh	121	1	2.1	2.1	0.0	34	0.01
	Assam	1431	3	23.6	20.7	-0.1	101	0.00
	Manipur	228	2	3.0	3.0	-0.1	28	0.01
	Meghalaya	356	0	6.4	3.4	0.2	68	0.00
	Mizoram	103	1	1.6	1.2	0.1	18	0.01
	Nagaland	126	2	2.1	1.9	0.1	15	0.02
Tripura	212	1	3.4	2.5	-0.4	45	0.00	

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

	Bhutan	Nepal	Bangladesh
Actual (MU)	11.1	-3.8	-16.3
Day Peak (MW)	523.0	-359.8	-994.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	260.5	-299.0	122.5	-83.3	-0.6	0.0
Actual(MU)	238.9	-275.0	118.9	-88.0	-1.1	-6.3
O/D/U/D(MU)	-21.6	24.0	-3.5	-4.8	-0.5	-6.3

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	TOTAL
Central Sector	6810	14455	11632	3465	659	37020
State Sector	16061	14450	14207	5632	11	50360
Total	22871	28904	25839	9097	670	87381

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Coal	394	1203	318	390	7	2312
Lignite	18	8	24	0	0	49
Hydro	108	32	84	43	13	280
Nuclear	28	33	63	0	0	123
Gas, Naptha & Diesel	22	48	14	0	28	111
RES (Wind, Solar, Biomass & Others)	92	166	119	4	0	381
Total	661	1488	621	437	48	3256

Share of RES in total generation (%)	13.91	11.13	19.12	0.96	0.27	11.69
Share of Non-fossil fuel (Hydro,Nuclear and RES) in total generation(%)	34.47	15.48	42.72	10.79	28.23	24.09

H. All India Demand Diversity Factor

Based on Regional Max Demands	1.033
Based on State Max Demands	1.076

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: 27-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	351	0.0	8.5	-8.5	
2	HVDC	PUSAULI B/B	-	0	297	0.0	7.2	-7.2	
3	765 kV	GAYA-VARANASI	2	31	757	0.0	6.4	-6.4	
4	765 kV	SASARAM-FATEHPUR	1	177	239	0.6	0.0	0.6	
5	765 kV	GAYA-BALIA	1	0	422	0.0	6.4	-6.4	
6	400 kV	PUSAULI-VARANASI	1	0	265	0.0	5.4	-5.4	
7	400 kV	PUSAULI-ALLAHABAD	1	0	132	0.0	1.6	-1.6	
8	400 kV	MUZAFFARPUR-GORAKHPUR	2	92	692	0.0	3.0	-3.0	
9	400 kV	PATNA-BALIA	4	0	888	0.0	7.7	-7.7	
10	400 kV	BIHARSHARIF-BALIA	2	0	392	0.0	2.7	-2.7	
11	400 kV	MOTIHARI-GORAKHPUR	2	0	350	0.0	4.1	-4.1	
12	400 kV	BIHARSHARIF-VARANASI	2	217	132	1.8	0.0	1.8	
13	220 kV	PUSAULI-SAHUPURI	1	61	56	0.6	0.0	0.6	
14	132 kV	SONE NAGAR-RIHAND	1	0	0	0.0	0.0	0.0	
15	132 kV	GARWAH-RIHAND	1	20	0	0.5	0.0	0.5	
16	132 kV	KARMANASA-SAHUPURI	1	0	0	0.0	0.0	0.0	
17	132 kV	KARMANASA-CHANDALI	1	0	0	0.0	0.0	0.0	
						ER-NR	3.5	53.0	-49.5
<b>Import/Export of ER (With WR)</b>									
1	765 kV	JHARSUGUDA-DHARAMJAIGARH	4	841	403	4.4	0.0	4.4	
2	765 kV	NEW RANCHI-DHARAMJAIGARH	2	877	53	11.7	0.0	11.7	
3	765 kV	JHARSUGUDA-DURG	2	51	204	0.0	1.3	-1.3	
4	400 kV	JHARSUGUDA-RAIGARH	4	310	187	2.1	0.0	2.1	
5	400 kV	RANCHI-SIPAT	2	304	27	4.2	0.0	4.2	
6	220 kV	BUDHIPADAR-RAIGARH	1	50	64	0.0	0.1	-0.1	
7	220 kV	BUDHIPADAR-KORBA	2	139	0	1.9	0.0	1.9	
						ER-WR	24.2	1.4	22.8
<b>Import/Export of ER (With SR)</b>									
1	HVDC	JEYPORE-GAZUWAKA B/B	2	0	544	0.0	12.5	-12.5	
2	HVDC	TALCHER-KOLAR BIPOLE	2	0	1642	0.0	36.1	-36.1	
3	765 kV	ANGUL-SRIKAKULAM	2	0	2232	0.0	37.8	-37.8	
4	400 kV	TALCHER-I/C	2	439	898	0.0	8.7	-8.7	
5	220 kV	BALIMELA-UPPER-SILERRU	1	1	0	0.0	0.0	0.0	
						ER-SR	0.0	86.4	-86.4
<b>Import/Export of ER (With NER)</b>									
1	400 kV	BINAGURI-BONGAIGAON	2	0	369	0.0	4.5	-4.5	
2	400 kV	ALIPURDUAR-BONGAIGAON	2	0	367	0.0	3.9	-3.9	
3	220 kV	ALIPURDUAR-SALAKATI	2	0	78	0.0	0.9	-0.9	
						ER-NER	0.0	9.3	-9.3
<b>Import/Export of NER (With NR)</b>									
1	HVDC	BISWANATH CHARIALI-AGRA	2	0	504	0.0	9.9	-9.9	
						NER-NR	0.0	9.9	-9.9
<b>Import/Export of WR (With NR)</b>									
1	HVDC	CHAMPA-KURUKSHETRA	2	0	1502	0.0	43.9	-43.9	
2	HVDC	VINDHYACHAL B/B	-	0	20	0.0	0.0	0.0	
3	HVDC	MUNDRA-MOHINDERGARH	2	0	1457	0.0	36.3	-36.3	
4	765 kV	GWALIOR-AGRA	2	0	2778	0.0	47.3	-47.3	
5	765 kV	PHAGI-GWALIOR	2	0	1390	0.0	14.4	-14.4	
6	765 kV	JABALPUR-ORAI	2	0	933	0.0	31.2	-31.2	
7	765 kV	GWALIOR-ORAI	1	614	0	7.9	0.0	7.9	
8	765 kV	SATNA-ORAI	1	0	1446	0.0	29.0	-29.0	
9	765 kV	CHITORGARH-BANASKANTHA	2	0	1072	0.0	16.2	-16.2	
10	400 kV	ZERDA-KANKROLI	1	68	138	0.0	0.8	-0.8	
11	400 kV	ZERDA-BHINMAL	1	154	222	0.0	0.6	-0.6	
12	400 kV	VINDHYACHAL-RIHAND	1	980	0	22.0	0.0	22.0	
13	400 kV	RAPP-SHUJALPUR	2	266	145	2.0	0.6	1.3	
14	220 kV	BHANPURA-RANPUR	1	14	158	0.0	1.9	-1.9	
15	220 kV	BHANPURA-MORAK	1	11	0	0.4	0.7	-0.3	
16	220 kV	MEHGAON-AURAIYA	1	99	11	0.3	0.1	0.2	
17	220 kV	MALANPUR-AURAIYA	1	62	27	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	
						WR-NR	33.3	223.0	-189.7
<b>Import/Export of WR (With SR)</b>									
1	HVDC	BHADRAWATI B/B	-	0	999	0.0	15.3	-15.3	
2	HVDC	RAIGARH-PUGALUR	2	0	499	0.0	12.0	-12.0	
3	765 kV	SOLAPUR-RAICHUR	2	534	1949	0.0	20.3	-20.3	
4	765 kV	WARDHA-NIZAMABAD	2	137	1600	0.0	22.9	-22.9	
5	400 kV	KOLHAPUR-KUDGI	2	672	0	7.2	0.0	7.2	
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	45	0.8	0.0	0.8	
						WR-SR	8.0	70.4	-62.4

**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)	179	0	168	4.0
	ER	400kV TALA-BINAGURI 1,2,4 (& 400kV MALBASE - BINAGURI) i.e. BINAGURI RECEIPT (from TALA HEP (6*170MW)	287	266	277	6.7
	ER	220kV CHUKHA-BIRPARA 1&2 (& 220kV MALBASE - BIRPARA) i.e. BIRPARA RECEIPT (from CHUKHA HEP 4*84MW)	48	0	5	0.1
	NER	132KV-GEYLEGPHU - SALAKATI	-11	0	1	0.0
	NER	132kV Motanga-Rangia	20	7	-14	-0.3
NEPAL	NR	132KV-TANAKPUR(NH) - MAHENDRANAGAR(PG)	-51	0	-25	-0.6
	ER	400KV-MUZAFFARPUR - DHALKEBAR DC	-154	0	-71	-1.7
	ER	132KV-BIHAR - NEPAL	-155	-1	-64	-1.5
	ER	BHERAMARA HVDC(BANGLADESH)	-886	-408	-595	-14.3
BANGLADESH	NER	132KV-SURAJMANI NAGAR - COMILLA(BANGLADESH)-1	54	0	-43	-1.0
	NER	132KV-SURAJMANI NAGAR - COMILLA(BANGLADESH)-2	54	0	-43	-1.0