



**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: 26<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 25.11.2020.**

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 25-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 25<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: 26-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)	44682	50355	35800	16938	2473	150248
Peak Shortage (MW)	75	0	0	0	4	79
Energy Met (MU)	898	1198	813	343	43	3294
Hydro Gen (MU)	108	39	83	43	14	286
Wind Gen (MU)	19	81	40	-	-	141
Solar Gen (MU)*	14.39	28.61	75.77	4.38	0.13	123
Energy Shortage (MU)	3.96	0.00	0.00	0.00	0.03	3.99
Maximum Demand Met During the Day (MW) (From NLDC SCADA)	46155	56941	39984	17888	2580	157561
Time Of Maximum Demand Met (From NLDC SCADA)	09:27	10:42	08:36	18:01	18:00	09:27

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	0.028	0.00	0.00	2.07	2.07	79.63	18.30

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	5227	175	105.4	62.8	-0.3	197	2.65
	Haryana	6034	0	121.1	109.6	0.7	154	0.00
	Rajasthan	12718	282	236.1	65.6	1.6	435	0.83
	Delhi	3657	0	64.3	45.3	1.3	271	0.00
	UP	13870	0	247.5	198.5	-1.9	382	0.00
	Uttarakhand	1988	0	37.6	28.7	1.1	167	0.29
	HP	1693	0	30.8	24.4	-1.1	46	0.19
	J&K(UT) & Ladakh(UT)	2593	0	52.1	45.4	1.1	340	0.00
WR	Chandigarh	205	0	3.4	3.3	0.1	23	0.00
	Chhattisgarh	3430	0	74.5	18.3	0.0	237	0.00
	Gujarat	15702	0	333.0	45.0	0.5	755	0.00
	MP	14013	0	279.1	180.9	-2.0	693	0.00
	Maharashtra	22361	0	458.3	152.9	-1.6	750	0.00
	Goa	504	0	10.1	10.1	-0.4	25	0.00
	DD	346	0	7.6	7.1	0.5	39	0.00
	DNH	795	0	18.4	18.2	0.2	62	0.00
SR	AMNSIL	798	0	16.9	1.1	0.4	260	0.00
	Andhra Pradesh	7522	0	155.1	72.1	0.6	562	0.00
	Telangana	7290	0	146.6	49.2	-0.4	380	0.00
	Karnataka	10708	0	198.6	67.5	0.4	784	0.00
	Kerala	3572	0	72.5	53.6	0.9	282	0.00
	Tamil Nadu	11704	0	236.6	163.4	-3.5	218	0.00
	Puducherry	218	0	3.1	4.2	-1.1	84	0.00
	ER	Bihar	4386	0	75.3	73.0	1.1	371
DVC		3076	0	65.0	47.7	0.8	330	0.00
Jharkhand		1372	0	25.0	18.8	-2.3	67	0.00
Odisha		3700	0	67.5	4.9	-0.7	260	0.00
West Bengal		6161	0	109.0	30.3	-0.1	290	0.00
Sikkim		102	0	1.5	1.6	-0.1	38	0.00
NER	Arunachal Pradesh	124	2	2.2	2.3	-0.1	41	0.01
	Assam	1477	12	24.4	20.3	0.8	124	0.00
	Manipur	221	1	2.9	3.0	-0.1	39	0.01
	Meghalaya	350	0	6.2	3.1	0.1	76	0.00
	Mizoram	108	0	1.6	1.2	-0.1	35	0.00
	Nagaland	128	1	2.3	1.9	0.2	40	0.01
	Tripura	233	5	3.4	2.4	-0.4	41	0.00

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

	Bhutan	Nepal	Bangladesh
Actual (MU)	12.2	-3.6	-15.3
Day Peak (MW)	552.0	-357.3	-818.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	277.9	-319.2	142.2	-100.4	-0.5	0.0
Actual(MU)	276.9	-313.5	141.9	-112.7	0.2	-7.2
OD/UD(MU)	-1.0	5.6	-0.3	-12.3	0.7	-7.2

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	TOTAL
Central Sector	6810	13955	12282	3100	659	36805
State Sector	15551	14488	14207	5842	11	50098
Total	22361	28442	26489	8942	670	86904

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Coal	413	1288	344	421	7	2472
Lignite	19	7	26	0	0	51
Hvdro	108	39	83	43	14	286
Nuclear	28	33	65	0	0	125
Gas, Naptha & Diesel	22	54	14	0	26	115
RES (Wind, Solar, Biomass & Others)	54	111	151	4	0	320
Total	643	1530	681	468	47	3370
Share of RES in total generation (%)	8.46	7.24	22.12	0.93	0.27	9.51
Share of Non-fossil fuel (Hydro,Nuclear and RES) in total generation(%)	29.54	11.91	43.78	10.15	29.19	21.72

H. All India Demand Diversity Factor

Based on Regional Max Demands	1.038
Based on State Max Demands	1.069

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: 26-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	8.6	-8.6	
2	HVDC	PUSAULI B/B	-	0	297	0.0	7.4	-7.4	
3	765 kV	GAYA-VARANASI	2	17	917	0.0	8.7	-8.7	
4	765 kV	SASARAM-FATEHPUR	1	177	297	0.0	0.6	-0.6	
5	765 kV	GAYA-BALIA	1	0	486	0.0	7.8	-7.8	
6	400 kV	PUSAULI-VARANASI	1	0	256	0.0	5.3	-5.3	
7	400 kV	PUSAULI -ALLAHABAD	1	0	131	0.0	1.9	-1.9	
8	400 kV	MUZAFFARPUR-GORAKHPUR	2	110	722	0.0	4.9	-4.9	
9	400 kV	PATNA-BALIA	4	0	932	0.0	11.4	-11.4	
10	400 kV	BIHARSHARIF-BALIA	2	0	421	0.0	4.4	-4.4	
11	400 kV	MOTIHARLGORAKHPUR	2	0	353	0.0	4.0	-4.0	
12	400 kV	BIHARSHARIF-VARANASI	2	187	256	0.8	0.0	0.8	
13	220 kV	PUSAULI-SAHUPURI	1	71	46	0.4	0.0	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	0.4	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	
						ER-NR	1.6	64.9	-63.3
<b>Import/Export of ER (With WR)</b>									
1	765 kV	JHARSUGUDA-DHARAMJAIGARH	4	736	965	0.9	0.0	0.9	
2	765 kV	NEW RANCHI-DHARAMJAIGARH	2	881	104	9.4	0.0	9.4	
3	765 kV	JHARSUGUDA-DURG	2	113	133	0.0	0.5	-0.5	
4	400 kV	JHARSUGUDA-RAIGARH	4	334	96	3.5	0.0	3.5	
5	400 kV	RANCHI-SIPAT	2	317	8	4.0	0.0	4.0	
6	220 kV	BUDHIPADAR-RAIGARH	1	49	95	0.0	0.4	-0.4	
7	220 kV	BUDHIPADAR-KORBA	2	150	4	1.7	0.0	1.7	
						ER-WR	19.4	0.9	18.5
<b>Import/Export of ER (With SR)</b>									
1	HVDC	JEYPORE-GAZUWAKA B/B	2	0	537	0.0	12.4	-12.4	
2	HVDC	TALCHER-KOLAR BIPOLE	2	0	2482	0.0	40.0	-40.0	
3	765 kV	ANGUL-SRIKAKULAM	2	0	2657	0.0	43.9	-43.9	
4	400 kV	TALCHER-I/C	2	411	1145	0.0	9.1	-9.1	
5	220 kV	BALIMELA-UPPER-SILERRU	1	1	0	0.0	0.0	0.0	
						ER-SR	0.0	96.3	-96.3
<b>Import/Export of ER (With NER)</b>									
1	400 kV	BINAGURI-BONGAIGAON	2	0	337	0.0	4.4	-4.4	
2	400 kV	ALIPURDUAR-BONGAIGAON	2	0	342	0.0	4.0	-4.0	
3	220 kV	ALIPURDUAR-SALAKATI	2	0	76	0.0	1.0	-1.0	
						ER-NER	0.0	9.4	-9.4
<b>Import/Export of NER (With NR)</b>									
1	HVDC	BISWANATH CHARIALI-AGRA	2	0	504	0.0	9.4	-9.4	
						NER-NR	0.0	9.4	-9.4
<b>Import/Export of WR (With NR)</b>									
1	HVDC	CHAMPA-KURUKSHETRA	2	0	1754	0.0	44.0	-44.0	
2	HVDC	VINDHYACHAL B/B	-	0	1	0.0	0.0	0.0	
3	HVDC	MUNDRA-MOHENDERGARH	2	0	1739	0.0	40.9	-40.9	
4	765 kV	GWALIOR-AGRA	2	0	2969	0.0	52.1	-52.1	
5	765 kV	PHAGL-GWALIOR	2	0	1430	0.0	19.1	-19.1	
6	765 kV	JABALPUR-ORAI	2	0	1117	0.0	36.0	-36.0	
7	765 kV	GWALIOR-ORAI	1	546	0	8.3	0.0	8.3	
8	765 kV	SATNA-ORAI	1	0	1565	0.0	31.9	-31.9	
9	765 kV	CHITORGARH-BANASKANTHA	2	0	1083	0.0	13.3	-13.3	
10	400 kV	ZERDA-KANKROLI	1	114	199	0.0	1.2	-1.2	
11	400 kV	ZERDA -BHINMAL	1	154	445	0.0	4.0	-4.0	
12	400 kV	VINDHYACHAL -RIHAND	1	969	0	22.4	0.0	22.4	
13	400 kV	RAPP-SIHUAIPUR	2	167	416	0.6	2.7	-2.1	
14	220 kV	BHANPURA-RANPUR	1	174	174	0.0	1.9	-1.9	
15	220 kV	BHANPURA-MORAK	1	11	0	0.2	0.5	-0.2	
16	220 kV	MEHGAON-AURAIYA	1	100	12	0.2	0.2	0.0	
17	220 kV	MALANPUR-AURAIYA	1	58	34	0.6	0.0	0.6	
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	32.2	247.7	-215.5
<b>Import/Export of WR (With SR)</b>									
1	HVDC	BHADRAWATI B/B	-	0	1012	0.0	19.4	-19.4	
2	HVDC	RAIGARH PUGAULI	2	0	1500	0.0	20.4	-20.4	
3	765 kV	SOLAPUR-RAICHUR	2	278	2579	0.0	24.9	-24.9	
4	765 kV	WARDHA-NIZAMABAD	2	187	2173	0.0	22.5	-22.5	
5	400 kV	KOLHAPUR-KUDGI	2	604	39	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	XELDAM-AMBEWADI	1	0	44	0.8	0.0	0.8	
						WR-SR	7.8	87.1	-79.4
<b>INTERNATIONAL EXCHANGES</b>									
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	168	168	4.0			
	ER	400kV TALA-BINAGURI 1,2,4 (& 400kV MALBASE - BINAGURI) i.e. BINAGURI RECEIPT (from TALA HEP (6*170MW)	290	285	290	7.3			
	ER	220kV CHUKHA-BIRPARA 1&2 (& 220kV MALBASE - BIRPARA) i.e. BIRPARA RECEIPT (from CHUKHA HEP 4*84MW)	53	0	13	0.3			
	NER	132KV-GEYLEGPHU - SALAKATI	10	0	-6	-0.2			
	NER	132kV Motanga-Rangis	20	0	-13	-0.3			
NEPAL	NR	132KV-TANAKPUR(NH) - MAHENDRANAGAR(PG)	0	0	0	-0.3			
	ER	400KV-MUZAFFARPUR - DHALKEBAR DC	-128	0	-72	-1.7			
	ER	132KV-BIHAR - NEPAL	-176	-1	-68	-1.6			
BANGLADESH	ER	BHERAMARA HVDC(BANGLADESH)	-714	-398	-552	-13.2			
	NER	132KV-SURAJMANI NAGAR - COMILLA(BANGLADESH)-1	52	0	-43	-1.0			
	NER	132KV-SURAJMANI NAGAR - COMILLA(BANGLADESH)-2	52	0	-43	-1.0			