



**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

Ref: POSOCO/NLDC/SO/Daily PSP Report

दिनांक: 8<sup>th</sup> Feb 2021

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 07.02.2021.**

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 07-फरवरी -2021 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 7<sup>th</sup> February 2021, 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: 08-Feb-2021

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)	45967	50826	40554	19378	2372	159097
Peak Shortage (MW)	900	0	0	102	25	1027
Energy Met (MU)	982	1230	980	387	41	3620
Hydro Gen (MU)	90	41	64	35	10	239
Wind Gen (MU)	3	78	57	-	-	138
Solar Gen (MU)*	44.58	38.23	102.49	4.97	0.16	190
Energy Shortage (MU)	13.52	0.00	0.00	0.31	0.84	14.67
Maximum Demand Met During the Day (MW) (From NLDC SCADA)	51941	59845	49570	19783	2393	178835
Time Of Maximum Demand Met (From NLDC SCADA)	09:41	11:13	09:10	18:29	18:03	09:32

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	0.030	0.00	0.00	3.66	3.66	75.32	21.02

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	6597	0	125.7	54.8	-1.4	43	0.00
	Haryana	5905	0	120.8	74.8	0.7	177	0.00
	Rajasthan	13960	0	264.5	104.0	0.9	354	0.00
	Delhi	3970	0	63.0	47.3	-1.8	221	0.00
	UP	16634	0	284.5	90.2	-1.4	260	0.15
	Uttarakhand	2175	0	37.9	25.1	-0.1	127	0.00
	HP	1645	0	27.5	23.8	-1.3	104	2.17
	J&K(UT) & Ladakh(UT)	2654	550	54.4	49.4	-0.2	238	11.20
	Chandigarh	211	0	3.3	3.3	0.0	30	0.00
WR	Chhattisgarh	4366	0	93.9	46.3	-0.8	186	0.00
	Gujarat	15995	0	336.3	104.6	0.3	645	0.00
	MP	14335	0	279.2	178.9	-1.8	938	0.00
	Maharashtra	22899	0	467.6	135.1	-1.2	434	0.00
	Goa	402	0	8.7	8.4	-0.2	31	0.00
	DD	303	0	6.8	6.7	0.1	20	0.00
	DNH	812	0	19.1	19.1	0.0	40	0.00
	AMNSIL	838	0	18.1	6.2	0.1	321	0.00
	SR	Andhra Pradesh	9363	0	181.7	64.2	-0.4	573
Telangana		12318	0	231.8	111.1	-1.9	797	0.00
Karnataka		11610	0	221.3	79.4	-1.1	684	0.00
Kerala		3417	0	66.7	51.1	0.5	231	0.00
Tamil Nadu		12502	0	271.1	161.7	-1.3	527	0.00
Puducherry		331	0	7.2	7.4	-0.2	44	0.00
ER	Bihar	4839	0	84.7	76.2	-0.3	500	0.00
	DVC	3166	0	68.3	-41.0	-0.3	314	0.00
	Jharkhand	1459	0	25.5	19.4	-1.7	286	0.31
	Odisha	4995	0	89.8	17.6	0.0	417	0.00
	West Bengal	5830	0	117.6	3.1	-0.1	420	0.00
	Sikkim	96	0	1.4	1.7	-0.4	7	0.00
NER	Arunachal Pradesh	137	2	2.3	2.5	-0.3	27	0.01
	Assam	1369	10	22.7	17.9	0.1	130	0.80
	Manipur	154	3	2.7	3.0	-0.3	47	0.01
	Meghalaya	351	0	6.4	4.3	0.2	58	0.00
	Mizoram	116	2	1.7	1.6	-0.3	12	0.01
	Nagaland	125	1	2.1	2.0	-0.1	21	0.01
	Tripura	224	1	3.5	1.5	-0.1	33	0.00

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

	Bhutan	Nepal	Bangladesh
Actual (MU)	4.6	-13.6	-19.5
Day Peak (MW)	360.0	-693.8	-1037.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	234.3	-236.6	122.9	-120.0	-0.7	0.0
Actual(MU)	223.6	-231.3	122.6	-123.9	0.3	-8.7
OD/UD(MU)	-10.7	5.3	-0.3	-3.9	0.9	-8.7

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	TOTAL	% Share
Central Sector	5624	15310	8022	2195	749	31899	43
State Sector	10231	16401	9229	6715	11	42586	57
Total	15855	31710	17251	8910	760	74485	100

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India	% Share
Coal	546	1260	503	504	7	2820	76
Lignite	24	10	44	0	0	78	2
Hydro	90	41	64	35	10	239	6
Nuclear	18	15	47	0	0	80	2
Gas, Naptha & Diesel	27	24	12	0	29	93	2
RES (Wind, Solar, Biomass & Others)	75	117	199	5	0	395	11
Total	779	1468	869	544	46	3706	100
Share of RES in total generation (%)	9.59	7.96	22.88	0.91	0.35	10.67	
Share of Non-fossil fuel (Hydro,Nuclear and RES) in total generation(%)	23.50	11.78	35.60	7.28	21.95	19.29	

H. All India Demand Diversity Factor

Based on Regional Max Demands	1.026
Based on State Max Demands	1.041

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: 08-Feb-2021

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	0	0.0	0.0	0.0
2	HVDC	PUSAULI-B/B	-	0	251	-	6.1	-6.1
3	765 kV	GAYA-VARANASI	2	0	892	0.0	10.8	-10.8
4	765 kV	SASARAM-FATEHPUR	1	0	355	0.0	4.7	-4.7
5	765 kV	GAYA-BALIA	1	0	577	0.0	8.1	-8.1
6	400 kV	PUSAULI-VARANASI	1	0	219	0.0	4.7	-4.7
7	400 kV	PUSAULI-ALLAHABAD	1	0	79	0.0	1.2	-1.2
8	400 kV	MUZAFFARPUR-GORAKHPUR	2	0	792	0.0	11.0	-11.0
9	400 kV	PATNA-BALIA	4	0	1218	0.0	19.8	-19.8
10	400 kV	BIHARSHARIFF-BALIA	2	0	494	0.0	7.2	-7.2
11	400 kV	MOTIHARI-GORAKHPUR	2	0	356	0.0	5.8	-5.8
12	400 kV	BIHARSHARIFF-VARANASI	2	39	277	0.0	2.1	-2.1
13	220 kV	PUSAULI-SAHUPURI	1	0	94	0.0	1.4	-1.4
14	132 kV	SONE NAGAR-RIHAND	2	0	0	0.0	0.0	0.0
15	132 kV	GARWAH-RIHAND	1	30	0	0.0	0.0	0.0
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
<b>ER-NR</b>						0.7	83.0	-82.3
<b>Import/Export of ER (With WR)</b>								
1	765 kV	JHARSUGUDA-DHARAMJAIGARH	4	893	97	8.7	0.0	8.7
2	765 kV	NEW RANCHI-DHARAMJAIGARH	2	708	500	5.5	0.0	5.5
3	765 kV	JHARSUGUDA-DURG	2	13	211	0.0	2.5	-2.5
4	400 kV	JHARSUGUDA-RAIGARH	4	0	361	0.0	4.9	-4.9
5	400 kV	RANCHI-SIPAT	2	165	200	1.0	0.0	1.0
6	220 kV	BUDHIPADAR-RAIGARH	1	0	130	0.0	2.0	-2.0
7	220 kV	BUDHIPADAR-KORBA	2	123	3	1.3	0.0	1.3
<b>ER-WR</b>						16.5	9.4	7.2
<b>Import/Export of ER (With SR)</b>								
1	HVDC	JEYPORE-GAZUWAKA B/B	2	0	323	0.0	7.0	-7.0
2	HVDC	TALCHER-KOLAR BIPOLE	2	0	1989	0.0	43.2	-43.2
3	765 kV	ANGUL-SRIKAKULAM	2	0	2619	0.0	49.2	-49.2
4	400 kV	TALCHER-J/C	2	69	693	0.0	10.3	-10.3
5	220 kV	BALIMELA-UPPER-SILERRU	1	1	0	0.0	0.0	0.0
<b>ER-SR</b>						0.0	99.3	-99.3
<b>Import/Export of ER (With NER)</b>								
1	400 kV	BINAGURI-BONGAIGAON	2	270	0	3.6	0.0	3.6
2	400 kV	ALIPURDUAR-BONGAIGAON	2	409	0	6.1	0.0	6.1
3	220 kV	ALIPURDUAR-SALAKATI	2	70	8	1.0	0.0	1.0
<b>ER-NER</b>						10.8	0.0	10.8
<b>Import/Export of NER (With NR)</b>								
1	HVDC	BISWANATH CHARIALI-AGRA	2	487	0	11.7	0.0	11.7
<b>NER-NR</b>						11.7	0.0	11.7
<b>Import/Export of WR (With NR)</b>								
1	HVDC	CHAMPA-KURUKSHETRA	2	0	376	0.0	29.3	-29.3
2	HVDC	VINDHYACHAL B/B	-	240	0	6.0	0.0	6.0
3	HVDC	MUNDRA-MOHINDERGARH	2	0	985	0.0	24.2	-24.2
4	765 kV	GWALIOR-AGRA	2	0	2468	0.0	38.5	-38.5
5	765 kV	PHAGI-GWALIOR	2	0	1533	0.0	24.8	-24.8
6	765 kV	JABALPUR-ORAI	2	0	1040	0.0	33.3	-33.3
7	765 kV	GWALIOR-ORAI	1	639	0	11.3	0.0	11.3
8	765 kV	SATNA-ORAI	1	0	1345	0.0	26.0	-26.0
9	765 kV	CHITORGARH-BANASKANTHA	2	442	691	1.3	8.3	-7.1
10	400 kV	ZERDA-KANKROLI	1	104	126	0.0	0.6	-0.6
11	400 kV	ZERDA-BHINMAL	1	24	385	0.0	4.5	-4.5
12	400 kV	VINDHYACHAL-RIHAND	1	494	0	11.1	0.0	11.1
13	400 kV	RAPP-SHULPUR	2	9	526	0.0	4.7	-4.7
14	220 kV	BHANPURA-RANPUR	1	0	164	0.0	0.1	-0.1
15	220 kV	BHANPURA-MORAK	1	0	30	0.0	1.4	-1.4
16	220 kV	MERGAON-AURAIYA	1	132	0	2.0	1.8	0.2
17	220 kV	MALANPUR-AURAIYA	1	85	8	1.5	0.0	1.5
18	132 kV	GWALIOR-SAWAI MADHOPUR	1	0	0	0.0	0.0	0.0
19	132 kV	RAIGHAT-LALITPUR	2	0	0	0.0	0.9	-0.9
<b>WR-NR</b>						33.1	198.3	-165.2
<b>Import/Export of WR (With SR)</b>								
1	HVDC	BHADRAWATI B/B	-	0	1016	0.0	11.8	-11.8
2	HVDC	RAIGARH-PUGALUR	2	0	999	0.0	11.4	-11.4
3	765 kV	SOLAPUR-RAICHUR	2	936	1842	0.0	15.3	-15.3
4	765 kV	WARDHA-NIZAMABAD	2	0	2589	0.0	39.0	-39.0
5	400 kV	KOLHAPUR-KUDGI	2	1403	0	17.4	0.0	17.4
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	52	2.1	0.0	2.1
<b>WR-SR</b>						19.5	77.5	-58.0

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	105	2.5
	ER	400kV TALA-BINAGURI 1,2,4 (& 400kV MALBASE - BINAGURI) i.e. BINAGURI RECEIPT (from TALA HEP (6*170MW)	112	0	98	2.3
	ER	230kV CHUKHA-BIRPARA 1&2 (& 230kV MALBASE - BIRPARA) i.e. BIRPARA RECEIPT (from CHUKHA HEP 4*84MW)	24	0	-10	-0.3
	NER	132KV-GEYLEGPHU - SALAKATI	28	12	17	0.4
	NER	132kV Motanga-Rangit	17	1	12	0.3
NEPAL	NR	132KV-TANAKPUR(NH) - MAHENDRANAGAR(PG)	-85	0	-75	-1.8
	ER	400KV-MUZAFFARPUR - DHALKEBAR DC	-297	-230	-278	-6.7
	ER	132KV-BIHAR - NEPAL	-312	-109	-213	-5.1
BANGLADESH	ER	BHERAMARA HVDC(BANGLADESH)	-932	-489	-726	-17.4
	NER	132KV-SURAJMANI NAGAR - COMILLA(BANGLADESH)-1	52	0	-44	-1.1
	NER	132KV-SURAJMANI NAGAR - COMILLA(BANGLADESH)-2	53	0	-44	-1.1