



**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: 9<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 08.02.2021.**

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 08-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 8<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: 09-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)	50455	53159	42772	20104	2605	169095
Peak Shortage (MW)	580	51	0	206	27	864
Energy Met (MU)	1013	1258	1017	409	42	3739
Hydro Gen (MU)	96	51	87	35	10	279
Wind Gen (MU)	2	50	76	-	-	129
Solar Gen (MU)*	45.64	38.89	110.25	4.80	0.19	200
Energy Shortage (MU)	11.76	0.80	0.00	0.62	0.84	14.02
Maximum Demand Met During the Day (MW) (From NLDC SCADA)	53614	61296	50686	20376	2635	184341
Time Of Maximum Demand Met (From NLDC SCADA)	09:20	11:12	08:51	18:22	17:47	09:28

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	0.049	0.00	1.39	9.42	10.81	72.81	16.38

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	6858	0	130.5	59.0	-1.8	144	0.00
	Haryana	6523	0	131.0	77.3	0.5	173	0.00
	Rajasthan	13988	0	266.3	103.7	0.5	273	0.00
	Delhi	4094	0	66.0	50.5	-1.9	188	0.00
	UP	16768	0	290.4	82.8	-1.5	453	0.56
	Uttarakhand	2257	0	40.1	26.3	0.6	270	0.00
	HP	1745	0	30.4	25.6	-0.1	147	0.00
	J&K(UT) & Ladakh(UT)	2758	550	54.9	49.0	0.8	246	11.20
WR	Chandigarh	239	0	3.6	3.7	-0.1	24	0.00
	Chhattisgarh	4422	0	95.3	46.4	2.0	424	0.80
	Gujarat	16972	0	351.4	117.4	3.6	524	0.00
	MP	14630	0	279.0	175.5	0.4	504	0.00
	Maharashtra	23641	0	478.3	141.4	-1.5	424	0.00
	Goa	468	0	9.5	9.3	-0.3	54	0.00
	DD	334	0	7.2	6.9	0.3	46	0.00
	DNH	852	0	19.5	19.3	0.2	46	0.00
SR	AMNSIL	832	0	18.2	4.2	0.4	358	0.00
	Andhra Pradesh	9891	0	187.6	63.0	0.1	481	0.00
	Telangana	12520	0	236.2	114.4	0.1	806	0.00
	Karnataka	11528	0	233.4	69.3	-0.8	611	0.00
	Kerala	3650	0	71.5	51.2	0.1	284	0.00
	Tamil Nadu	13733	0	280.7	159.7	-0.8	438	0.00
	Puducherry	374	0	7.6	8.0	-0.4	24	0.00
	ER	Bihar	4793	0	84.7	76.3	0.5	784
DVC		3259	0	68.4	-51.3	-0.5	268	0.00
Jharkhand		1435	0	26.4	19.4	-0.9	124	0.62
Odisha		5094	0	101.2	27.5	-0.6	584	0.00
West Bengal		6363	0	126.6	11.5	-0.3	227	0.00
Sikkim		108	0	1.5	1.9	-0.3	8	0.00
NER	Arunachal Pradesh	141	2	2.4	2.5	-0.3	16	0.01
	Assam	1452	19	23.4	18.5	0.1	133	0.80
	Manipur	232	2	2.5	2.9	-0.4	32	0.01
	Meghalaya	389	0	6.6	4.3	0.3	213	0.00
	Mizoram	117	1	1.8	1.5	0.0	27	0.01
	Nagaland	127	2	1.9	2.0	-0.3	16	0.01
	Tripura	224	2	3.5	1.6	-0.4	34	0.00

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

	Bhutan	Nepal	Bangladesh
Actual (MU)	3.9	-14.1	-19.3
Day Peak (MW)	332.0	-687.3	-963.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	225.4	-223.7	113.3	-114.7	-0.4	0.0
Actual(MU)	215.8	-214.6	106.7	-113.7	0.6	-5.1
OD/UD(MU)	-9.6	9.1	-6.6	1.0	1.0	-5.1

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	TOTAL	% Share
Central Sector	5374	13995	8522	2395	749	31034	44
State Sector	8536	16386	9229	5585	11	39746	56
Total	13910	30380	17751	7980	760	70780	100

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India	% Share
Coal	579	1282	501	514	7	2884	76
Lignite	22	10	42	0	0	74	2
Hvdro	96	51	87	36	10	280	7
Nuclear	18	18	47	0	0	83	2
Gas, Naptha & Diesel	27	29	13	0	29	98	3
RES (Wind, Solar, Biomass & Others)	74	90	227	5	0	397	10
Total	816	1480	917	555	46	3814	100

Share of RES in total generation (%)	9.11	6.08	24.78	0.87	0.41	10.40
Share of Non-fossil fuel (Hydro,Nuclear and RES) in total generation(%)	23.06	10.74	39.39	7.28	21.98	19.90

H. All India Demand Diversity Factor

Based on Regional Max Demands	1.023
Based on State Max Demands	1.047

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: 09-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	249	0.0	6.1	-6.1	
3	765 kV	GAYA-VARANASI	2	0	882	0.0	11.4	-11.4	
4	765 kV	SASARAM-EATEHPUR	1	5	380	0.0	4.7	-4.7	
5	765 kV	GAYA-BALIA	1	0	487	0.0	7.3	-7.3	
6	400 kV	PUSAULI-VARANASI	1	0	239	0.0	4.7	-4.7	
7	400 kV	PUSAULI-ALLAHABAD	1	0	87	0.0	1.2	-1.2	
8	400 kV	MUZAFFARPUR-GORAKHPUR	2	0	779	0.0	9.9	-9.9	
9	400 kV	PATNA-BALIA	4	0	1011	0.0	15.5	-15.5	
10	400 kV	BIHARSHARIFF-BALIA	2	0	368	0.0	4.7	-4.7	
11	400 kV	MOTIHARI-GORAKHPUR	2	0	349	0.0	5.8	-5.8	
12	400 kV	BIHARSHARIFF-VARANASI	2	87	251	0.0	1.5	-1.5	
13	220 kV	PUSAULI-SAHUPURI	1	0	94	0.0	1.4	-1.4	
14	132 kV	SONWARI-RIHAND	1	0	0	0.0	0.0	0.0	
15	132 kV	GARWAH-RIHAND	1	20	0	0.7	0.0	-0.7	
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	0.7	74.2	-73.5
<b>Import/Export of ER (With WR)</b>									
1	765 kV	JHARSUGUDA-DHARAMJAIGARH	4	720	152	8.9	0.0	8.9	
2	765 kV	NEW RANCHI-DHARAMJAIGARH	2	985	432	5.2	0.0	5.2	
3	765 kV	JHARSUGUDA-DURG	2	59	215	0.0	2.8	-2.8	
4	400 kV	JHARSUGUDA-RAIGARH	4	17	497	0.0	5.4	-5.4	
5	400 kV	RANCHI-SIPAT	2	203	216	0.0	0.5	-0.5	
6	220 kV	BUDHIPADAR-RAIGARH	1	0	147	0.0	2.2	-2.2	
7	220 kV	BUDHIPADAR-KORBA	2	126	73	0.6	0.0	0.6	
						ER-WR	14.7	10.8	3.9
<b>Import/Export of ER (With SR)</b>									
1	HVDC	JEYPORE-GAZUWAKA B/B	2	0	432	0.0	8.8	-8.8	
2	HVDC	TALCHER-KOLAR BIPOLE	2	0	1981	0.0	36.7	-36.7	
3	765 kV	ANGUL-SRIKAKULAM	2	0	2701	0.0	46.9	-46.9	
4	400 kV	TALCHER-I/C	2	295	668	0.0	4.1	-4.1	
5	220 kV	BALIMELA-UPPER-SILERRU	1	1	0	0.0	0.0	0.0	
						ER-SR	0.0	92.3	-92.3
<b>Import/Export of ER (With NER)</b>									
1	400 kV	BINAGURI-BONGAIGAON	2	266	94	3.3	0.0	3.3	
2	400 kV	ALIPURDUAR-BONGAIGAON	2	417	102	5.6	0.0	5.6	
3	220 kV	ALIPURDUAR-SALAKATI	2	69	20	0.9	0.0	0.9	
						ER-NER	9.7	0.0	9.7
<b>Import/Export of NER (With NR)</b>									
1	HVDC	BISWANATH CHARIALL-AGRA	2	486	0	11.2	0.0	11.2	
						NER-NR	11.2	0.0	11.2
<b>Import/Export of WR (With NR)</b>									
1	HVDC	CHAMPA-KURUKSHETRA	2	0	500	0.0	27.4	-27.4	
2	HVDC	VINDHYACHAL B/B	-	240	0	6.0	0.0	6.0	
3	HVDC	MUNDA-MOHINDERGARH	2	0	1918	0.0	34.3	-34.3	
4	765 kV	GWALIOR-AGRA	2	0	2445	0.0	36.6	-36.6	
5	765 kV	PHAGI-GWALIOR	2	0	1554	0.0	25.9	-25.9	
6	765 kV	JABALPUR-ORAI	2	0	1062	0.0	32.1	-32.1	
7	765 kV	GWALIOR-ORAI	1	694	0	11.4	0.0	11.4	
8	765 kV	SATNA-ORAI	1	0	1340	0.0	26.2	-26.2	
9	765 kV	CHITORGARH-BANASKANTHA	2	589	653	0.0	0.2	-0.2	
10	400 kV	ZERDA-KANKROLI	1	153	108	0.8	0.0	0.8	
11	400 kV	ZERDA -BHINMAL	1	80	344	0.0	3.2	-3.2	
12	400 kV	VINDHYACHAL -RIHAND	1	487	0	11.2	0.0	11.2	
13	400 kV	RAPP-SHUALPUR	2	63	500	0.0	4.8	-4.8	
14	220 kV	BHANPURA-RANPUR	1	1	154	0.0	0.1	-0.1	
15	220 kV	BHANPURA-MORAK	1	0	30	0.0	0.0	0.0	
16	220 kV	MEHGAON-AURAIYA	1	132	0	1.6	1.9	-0.3	
17	220 kV	MALANPUR-AURAIYA	1	81	3	1.1	1.1	0.0	
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	0.9	-0.9	
						WR-NR	32.2	193.5	-161.4
<b>Import/Export of WR (With SR)</b>									
1	HVDC	BHADRAWATI B/B	-	293	1012	0.0	13.3	-13.3	
2	HVDC	RAIGARH-PUGALUR	2	0	999	0.0	10.9	-10.9	
3	765 kV	SOLAPUR-RAICHUR	2	1219	1595	0.0	8.1	-8.1	
4	765 kV	WARDHA-NIZAMABAD	2	0	2638	0.0	39.1	-39.1	
5	400 kV	KOLHAPUR-KUDGI	2	1478	0	19.8	0.0	19.8	
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	NELDEM-AMBEWADI	1	0	55	0.0	2.1	-2.1	
						WR-SR	22.0	71.3	-49.3
<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)	203	0	95	2.3			
	ER	400KV TALA-BINAGURI 1,2,3 (& 400KV MALBASE - BINAGURI) i.e. BINAGURI RECEIPT (from TALA HEP (6*170MW)	119	0	84	2.0			
	ER	220KV CHUKHA-BIRPARA 1&2 & 220KV MALBASE - BIRPARA) i.e. BIRPARA RECEIPT (from CHUKHA HEP 4*84MW)	23	9	-23	-0.6			
	NER	132KV-GEYLEGPHU - SALAKATI	-35	-11	-21	-0.5			
	NER	132KV Motanga-Rangia	21	6	13	0.3			
NEPAL	NR	132KV-TANAKPUR(NH) - MAHENDRANAGAR(PG)	0	0	0	-1.8			
	ER	400KV-MUZAFFARPUR - DHALKEBAR DC	-285	-224	-280	-6.7			
	ER	132KV-BIHAR - NEPAL	-321	-116	-235	-5.6			
BANGLADESH	ER	BHERAMARA HVDC(BANGLADESH)	-855	-540	-721	-17.3			
	NER	132KV-SURAJMANI NAGAR - COMILLA(BANGLADESH)-1	54	0	-30	-0.7			
	NER	132KV-SURAJMANI NAGAR - COMILLA(BANGLADESH)-2	54	0	-55	-1.3			