



**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: 17<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., 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 16.02.2021.**

महोदय/Dear Sir,

आईईजीसी-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 16-फरवरी -2021 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 16<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: 17-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)	47215	50983	44497	18110	2484	163289
Peak Shortage (MW)	550	0	50	0	38	638
Energy Met (MU)	992	1240	1083	393	42	3749
Hydro Gen (MU)	103	38	89	29	8	266
Wind Gen (MU)	5	29	31	-	-	65
Solar Gen (MU)*	39.69	30.60	105.78	4.72	0.16	181
Energy Shortage (MU)	11.56	0.00	0.21	0.00	2.11	13.88
Maximum Demand Met During the Day (MW) (From NLDC SCADA)	51691	59193	53806	18787	2584	183900
Time Of Maximum Demand Met (From NLDC SCADA)	09:32	10:41	09:57	07:38	18:13	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	0.029	0.00	0.00	3.55	3.55	78.96	17.49

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	6571	0	126.8	60.0	-0.7	86	0.00
	Haryana	6510	0	132.8	95.4	0.5	153	0.00
	Rajasthan	13980	0	263.5	95.9	0.2	415	0.00
	Delhi	3751	0	62.7	47.5	-1.6	190	0.00
	UP	16392	0	279.1	90.6	-2.4	255	0.00
	Uttarakhand	2137	0	38.8	23.1	0.2	78	0.00
	HP	1813	0	32.0	26.1	0.9	231	0.36
	J&K(UT) & Ladakh(UT)	2691	550	52.8	47.3	0.0	280	11.20
WR	Chhattisgarh	217	0	3.4	3.5	-0.1	19	0.00
	Gujarat	4438	0	91.9	47.2	-0.9	258	0.00
	Maharashtra	16424	0	354.6	137.7	0.5	387	0.00
	MP	12940	0	249.6	150.7	-4.3	562	0.00
	Goa	23360	0	488.0	153.2	-3.5	560	0.00
	DD	504	0	10.6	10.2	-0.2	96	0.00
	DNH	345	0	7.6	7.4	0.2	24	0.00
	AMNSIL	861	0	19.9	19.9	0.0	28	0.00
SR	Andhra Pradesh	806	0	18.1	4.1	0.2	298	0.00
	Telangana	10364	0	194.6	58.6	0.3	437	0.00
	Karnataka	12967	0	246.4	127.3	0.4	691	0.00
	Kerala	12918	0	247.3	84.8	0.0	559	0.00
	Tamil Nadu	3814	50	77.7	51.4	0.8	210	0.21
	Puducherry	14685	0	309.6	205.8	0.9	824	0.00
ER	Bihar	370	0	7.2	7.5	-0.3	28	0.00
	DVC	4495	0	88.1	77.4	2.7	408	0.00
	Jharkhand	3028	0	66.2	50.1	-0.4	235	0.00
	Odisha	1436	0	24.9	19.3	-2.6	99	0.00
	West Bengal	4587	0	82.2	14.3	-4.3	245	0.00
	Sikkim	6581	0	129.6	22.0	-0.8	248	0.00
NER	Arunachal Pradesh	97	0	1.5	1.8	-0.3	15	0.00
	Assam	133	2	2.3	2.3	-0.1	33	0.01
	Manipur	1442	15	24.0	19.9	-0.5	127	0.25
	Meghalaya	223	3	2.5	3.1	-0.6	32	0.01
	Mizoram	361	0	4.9	3.3	0.0	215	1.82
	Nagaland	113	2	1.8	1.5	-0.1	16	0.01
	Tripura	132	2	2.1	2.0	0.0	25	0.01
	Tripura	220	2	4.0	1.7	-0.1	22	0.00

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

	Bhutan	Nepal	Bangladesh
Actual (MU)	3.9	-12.8	-20.8
Day Peak (MW)	182.0	-708.8	-970.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	239.8	-262.8	158.0	-137.1	2.1	0.0
Actual(MU)	237.0	-293.0	182.5	-138.2	2.9	-8.8
OD/UD(MU)	-2.8	-30.2	24.4	-1.1	0.8	-8.8

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	TOTAL	% Share
Central Sector	6690	11053	7312	1365	680	27099	41
State Sector	13058	12552	8792	4765	11	39177	59
Total	19748	23604	16104	6130	691	66277	100

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India	% Share
Coal	526	1371	546	529	7	2980	78
Lignite	24	10	43	0	0	78	2
Hydro	103	38	89	29	8	266	7
Nuclear	18	16	47	0	0	80	2
Gas, Naptha & Diesel	34	46	12	0	29	121	3
RES (Wind, Solar, Biomass & Others)	71	60	176	5	0	313	8
Total	776	1541	914	563	44	3838	100

Share of RES in total generation (%)	9.21	3.89	19.31	0.84	0.37	8.15
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation(%)	24.71	7.39	34.13	6.01	18.61	17.18

H. All India Demand Diversity Factor

Based on Regional Max Demands	1.012
Based on State Max Demands	1.042

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: 17-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	6.3	-6.3
3	765 kV	GAYA-VARANASI	2	0	748	0.0	11.4	-11.4
4	765 kV	SASARAM-EATEHPUR	1	0	396	0.0	5.0	-5.0
5	765 kV	GAYA-BALIA	1	0	547	0.0	7.7	-7.7
6	400 kV	PUSAULI-VARANASI	1	0	224	0.0	4.9	-4.9
7	400 kV	PUSAULI-ALLAHABAD	1	0	89	0.0	1.3	-1.3
8	400 kV	MUZAFFARPUR-GORAKHPUR	2	0	720	0.0	9.6	-9.6
9	400 kV	PATNA-BALIA	4	0	1188	0.0	18.4	-18.4
10	400 kV	BIHARSHARIFF-BALIA	2	0	492	0.0	6.2	-6.2
11	400 kV	MOTIHARI-GORAKHPUR	2	0	324	0.0	5.8	-5.8
12	400 kV	BIHARSHARIFF-VARANASI	2	33	214	0.0	1.9	-1.9
13	220 kV	PUSAULI-SAHUPURI	1	63	142	0.0	1.1	-1.1
14	132 kV	SONENAGAR-RIHAND	1	0	45	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	-78.9
<b>Import/Export of ER (With WR)</b>								
1	765 kV	JHARSUGUDA-DHARAMJAIGARH	4	898	0	12.4	0.0	12.4
2	765 kV	NEW RANCHI-DHARAMJAIGARH	2	838	477	6.5	0.0	6.5
3	765 kV	JHARSUGUDA-DURG	2	0	318	0.0	3.7	-3.7
4	400 kV	JHARSUGUDA-RAIGARH	4	93	338	0.0	3.7	-3.7
5	400 kV	RANCHI-SIPAT	2	173	180	0.5	0.0	0.5
6	220 kV	BUDHIPADAR-RAIGARH	1	11	168	0.0	2.3	-2.3
7	220 kV	BUDHIPADAR-KORBA	2	107	10	1.0	0.0	1.0
						ER-WR	20.4	10.7
<b>Import/Export of ER (With SR)</b>								
1	HVDC	JEYPORE-GAZUWAKA B/B	2	0	649	0.0	15.5	-15.5
2	HVDC	TALCHER-KOLAR BIPOLE	2	0	1988	0.0	44.8	-44.8
3	765 kV	ANGUL-SRIKAKULAM	2	0	2985	0.0	56.5	-56.5
4	400 kV	TALCHER-I/C	2	0	694	0.0	11.5	-11.5
5	220 kV	BALMELA-UPPER-SILERRU	1	1	0	0.0	0.0	0.0
						ER-SR	116.8	-116.8
<b>Import/Export of ER (With NER)</b>								
1	400 kV	BINAGURI-BONGAIGAON	2	202	91	2.5	0.0	2.5
2	400 kV	ALIPURDUAR-BONGAIGAON	2	344	91	4.4	0.0	4.4
3	220 kV	ALIPURDUAR-SALAKATI	2	57	19	0.4	0.0	0.4
						ER-NER	7.3	7.3
<b>Import/Export of NER (With NR)</b>								
1	HVDC	BISWANATH CHARIALL-AGRA	2	467	0	11.0	0.0	11.0
						NER-NR	11.0	11.0
<b>Import/Export of WR (With NR)</b>								
1	HVDC	CHAMPA-KURUKSHETRA	2	0	1503	0.0	37.4	-37.4
2	HVDC	VINDHYACHAL B/B	-	238	0	6.0	0.0	6.0
3	HVDC	MUNDA-MOHINDERGARH	2	0	1457	0.0	31.3	-31.3
4	765 kV	GWALIOR-AGRA	2	0	2564	0.0	42.7	-42.7
5	765 kV	PHAGI-GWALIOR	2	0	1525	0.0	25.2	-25.2
6	765 kV	JABALPUR-ORAI	2	525	935	0.0	32.6	-32.6
7	765 kV	GWALIOR-ORAI	1	660	0	12.1	0.0	12.1
8	765 kV	SATNA-ORAI	1	0	1354	0.0	27.7	-27.7
9	765 kV	CHITORGARH-BANASKANTHA	2	388	597	0.0	3.1	-3.1
10	400 kV	ZERDA-KANKROLI	1	161	59	0.9	0.0	0.9
11	400 kV	ZERDA -BHINMAL	1	124	293	0.0	1.9	-1.9
12	400 kV	VINDHYACHAL -RIHAND	1	495	0	11.3	0.0	11.3
13	400 kV	RAPP-SHUALPUR	2	0	521	0.0	5.6	-5.6
14	220 kV	BHANPURA-RANPUR	1	0	171	0.0	2.7	-2.7
15	220 kV	BHANPURA-MORAK	1	0	103	0.0	2.5	-2.5
16	220 kV	MEHGAON-AURAIYA	1	119	0	1.4	0.0	1.4
17	220 kV	MALANPUR-AURAIYA	1	71	19	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	32.3	-180.4
<b>Import/Export of WR (With SR)</b>								
1	HVDC	BHADRAWATI B/B	-	0	1016	0.0	17.3	-17.3
2	HVDC	RAIGARH-PUGALUR	2	0	1511	0.0	22.4	-22.4
3	765 kV	SOLAPUR-RAICHUR	2	890	1945	0.0	25.0	-25.0
4	765 kV	WARDHA-NIZAMABAD	2	0	2920	0.0	49.6	-49.6
5	400 kV	KOLHAPUR-KUDGI	2	1178	0	11.7	0.0	11.7
6	220 kV	KOLHAPUR-CHIKODI	2	0	0	0.0	0.0	0.0
7	220 kV	PONDA-AMBEWADI	1	0	0	0.0	0.0	0.0
8	220 kV	NELDEM-AMBEWADI	1	0	90	1.6	0.0	1.6
						WR-SR	113.3	-101.1

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)	106	88	95	2.3
	ER	400KV TALA-BINAGURI 1,2,3 (& 400KV MALBASE - BINAGURI) i.e. BINAGURI RECEIPT (from TALA HEP (6*170MW)	75	66	70	1.7
	ER	220KV CHUKHA-BIRPARA 1&2 & 220KV MALBASE - BIRPARA) i.e. BIRPARA RECEIPT (from CHUKHA HEP 4*84MW)	12	0	-10	-0.2
	NER	132KV-GEYLEGPHU - SALAKATI	-26	5	-15	-0.4
	NER	132KV Motanga-Rangia	15	0	8	0.2
NEPAL	NR	132KV-TANAKPUR(NH) - MAHENDRANAGAR(PG)	-82	0	-73	-1.8
	ER	400KV-MUZAFFARPUR - DHALKEBAR DC	-303	-201	-271	-6.5
	ER	132KV-BIHAR - NEPAL	-324	-101	-190	-4.6
BANGLADESH	ER	BHERAMARA HVDC(BANGLADESH)	-858	-550	-778	-18.7
	NER	132KV-SURAJMANI NAGAR - COMILLA(BANGLADESH)-1	56	0	-45	-1.1
	NER	132KV-SURAJMANI NAGAR - COMILLA(BANGLADESH)-2	56	0	-45	-1.1