



**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: 02<sup>nd</sup> Mar 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 01.03.2021.**

महोदय/Dear Sir,

आईईजीसी-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 01-मार्च-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 01<sup>st</sup> March 2021, is available at the NLDC website.

धन्यवाद,

पाँवर सिस्टम ऑपरेशन कारपोरेशन लिमिटेड  
राष्ट्रीय भार प्रेषण केंद्र, नई दिल्ली



Report for previous day

Date of Reporting: 02-Mar-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)	47753	54514	45552	20094	2499	170412
Peak Shortage (MW)	645	0	0	0	46	691
Energy Met (MU)	1022	1303	1113	417	44	3898
Hydro Gen (MU)	109	47	93	38	12	299
Wind Gen (MU)	4	51	25	-	-	79
Solar Gen (MU)*	49.61	39.36	109.21	4.65	0.19	203
Energy Shortage (MU)	10.39	0.00	0.00	0.00	0.63	11.02
Maximum Demand Met During the Day (MW) (From NLDC SCADA)	50744	60201	54376	20302	2557	182651
Time Of Maximum Demand Met (From NLDC SCADA)	09:09	11:39	09:58	19:03	18:03	11:19

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	0.032	0.00	0.52	3.43	3.95	74.88	21.18

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	6687	0	131.5	62.2	-0.8	77	0.00
	Haryana	6718	0	134.7	81.4	0.2	177	0.00
	Rajasthan	13845	0	264.4	75.0	2.6	920	0.00
	Delhi	3404	0	62.1	46.3	-2.0	89	0.00
	UP	16938	0	307.8	99.0	-1.5	430	0.00
	Uttarakhand	1961	0	36.1	18.8	0.2	179	0.39
	HP	1750	0	31.1	25.8	0.1	184	0.00
	J&K(UT) & Ladakh(UT)	2588	500	50.9	45.2	0.1	323	10.00
WR	Chhattisgarh	194	0	3.1	3.2	-0.1	16	0.00
	Gujarat	4515	0	104.9	54.8	1.2	293	0.00
	Maharashtra	17857	0	371.6	136.9	-0.4	640	0.00
	MP	12683	0	259.4	140.8	-2.3	505	0.00
	Goa	24412	0	514.9	152.9	-2.5	482	0.00
	DD	494	0	10.2	9.9	-0.2	74	0.00
	DNH	320	0	7.0	6.8	0.2	27	0.00
	AMNSIL	858	0	19.7	19.7	0.0	50	0.00
SR	Andhra Pradesh	833	0	15.3	3.1	0.4	295	0.00
	Telangana	10660	0	205.1	69.2	1.1	585	0.00
	Karnataka	13014	0	259.4	143.3	1.8	860	0.00
	Kerala	12718	0	244.6	87.3	1.6	643	0.00
	Tamil Nadu	3934	0	81.7	54.1	0.8	368	0.00
	Puducherry	15010	0	315.0	190.8	-0.2	527	0.00
ER	Bihar	369	0	7.3	7.5	-0.2	23	0.00
	DVC	4751	0	85.7	71.2	1.4	360	0.00
	Jharkhand	3102	0	65.2	46.9	0.6	188	0.00
	Odisha	1296	0	25.7	20.5	-1.8	657	0.00
	West Bengal	4385	0	86.6	13.8	0.6	592	0.00
	Sikkim	7333	0	152.3	25.7	-0.3	435	0.00
NER	Arunachal Pradesh	85	0	1.2	1.8	-0.7	559	0.00
	Assam	127	2	2.3	2.6	-0.4	2	0.00
	Manipur	1463	9	24.5	19.2	0.4	130	0.60
	Meghalaya	205	1	2.6	2.8	-0.2	51	0.01
	Mizoram	353	0	6.2	5.7	-0.1	41	0.00
	Nagaland	100	1	1.7	1.4	0.0	11	0.01
	Tripura	127	2	2.3	2.1	0.1	18	0.01
		265	4	4.0	3.3	-0.2	47	0.00

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

	Bhutan	Nepal	Bangladesh
Actual (MU)	4.2	-12.9	-18.9
Day Peak (MW)	330.0	-696.8	-869.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	195.3	-219.7	166.7	-141.4	-0.9	0.0
Actual(MU)	185.9	-225.6	175.6	-139.1	-1.3	-4.4
O/D/U/D(MU)	-9.3	-5.9	8.9	2.2	-0.4	-4.4

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	TOTAL	% Share
Central Sector	6400	16388	6582	2157	944	32470	48
State Sector	10582	13030	8232	3897	11	35752	52
Total	16982	29418	14814	6053	955	68222	100

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India	% Share
Coal	588	1329	585	536	9	3046	77
Lignite	25	11	42	0	0	78	2
Hydro	109	47	93	38	12	299	8
Nuclear	23	21	46	0	0	90	2
Gas, Naptha & Diesel	31	46	12	0	29	118	3
RES (Wind, Solar, Biomass & Others)	81	91	170	5	0	347	9
Total	856	1544	948	579	50	3978	100

Share of RES in total generation (%)	9.48	5.88	17.93	0.80	0.38	8.72
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation(%)	24.87	10.30	32.62	7.31	24.22	18.50

H. All India Demand Diversity Factor

Based on Regional Max Demands	1.030
Based on State Max Demands	1.070

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: 02-Mar-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	0.0	6.1	-6.1
3	765 kV	GAYA-VARANASI	2	0	713	0.0	9.3	-9.3
4	765 kV	SASARAM-EATEHPUR	1	0	375	0.0	5.4	-5.4
5	765 kV	GAYA-BALIA	1	0	401	0.0	6.8	-6.8
6	400 kV	PUSAULI-VARANASI	1	0	220	0.0	4.5	-4.5
7	400 kV	PUSAULI-ALLAHABAD	1	0	108	0.0	1.5	-1.5
8	400 kV	MUZAFFARPUR-GORAKHPUR	2	0	797	0.0	10.2	-10.2
9	400 kV	PATNA-BALIA	4	0	1008	0.0	17.0	-17.0
10	400 kV	BIHARSHARIFF-BALIA	2	0	433	0.0	7.5	-7.5
11	400 kV	MOTIHARI-GORAKHPUR	2	0	289	0.0	4.9	-4.9
12	400 kV	BIHARSHARIFF-VARANASI	2	4	262	0.0	2.7	-2.7
13	220 kV	PUSAULI-SAHUPURI	1	44	136	0.0	1.2	-1.2
14	132 kV	SONENAGAR-RIHAND	1	0	94	0.0	0.0	0.0
15	132 kV	KARMAANASA-SAHUPURI	1	20	44	0.0	0.7	0.0
16	132 kV	KARMAANASA-SAHUPURI	1	0	1	0.0	0.0	0.0
17	132 kV	KARMAANASA-CHANDAULI	1	0	3	0.0	0.0	0.0
						ER-NR	0.7	-76.4
<b>Import/Export of ER (With WR)</b>								
1	765 kV	JHARSUGUDA-DHARAMJAIGARH	4	652	68	7.2	0.0	7.2
2	765 kV	NEW RANCHI-DHARAMJAIGARH	2	613	696	1.3	0.0	1.3
3	765 kV	JHARSUGUDA-DURG	2	0	389	0.0	5.5	-5.5
4	400 kV	JHARSUGUDA-RAIGARH	4	0	514	0.0	8.3	-8.3
5	400 kV	RANCHI-SIPAT	2	103	267	0.0	1.6	-1.6
6	220 kV	BUDHIPADAR-RAIGARH	1	0	184	0.0	3.3	-3.3
7	220 kV	BUDHIPADAR-KORBA	2	46	61	0.0	0.2	-0.2
						ER-WR	8.5	-10.4
<b>Import/Export of ER (With SR)</b>								
1	HVDC	JEYPORE-GAZUWAKA B/B	2	0	643	0.0	13.8	-13.8
2	HVDC	TALCHER-KOLAR BIPOLE	2	0	993	0.0	24.1	-24.1
3	765 kV	ANGUL-SRIKAKULAM	2	0	3117	0.0	60.9	-60.9
4	400 kV	TALCHER-I/C	2	820	120	6.2	0.0	6.2
5	220 kV	BALIMELA-UPPER-SILERRU	1	1	0	0.0	0.0	0.0
						ER-SR	0.0	-98.8
<b>Import/Export of ER (With NER)</b>								
1	400 kV	BINAGURI-BONGAIGAON	2	238	0	3.3	0.0	3.3
2	400 kV	ALIPURDUAR-BONGAIGAON	2	403	0	5.7	0.0	5.7
3	220 kV	ALIPURDUAR-SALAKATI	2	65	2	0.6	0.0	0.6
						ER-NER	9.6	0.0
<b>Import/Export of NER (With NR)</b>								
1	HVDC	BISWANATH CHARIALL-AGRA	2	466	0	9.0	0.0	9.0
						NER-NR	9.0	0.0
<b>Import/Export of WR (With NR)</b>								
1	HVDC	CHAMPA-KURUKSHETRA	2	0	1007	0.0	30.7	-30.7
2	HVDC	VINDHYACHAL B/B	-	238	0	6.0	0.0	6.0
3	HVDC	MUNDA-MOHINDERGARH	2	0	984	0.0	24.2	-24.2
4	765 kV	GWALIOR-AGRA	2	0	1951	0.0	30.6	-30.6
5	765 kV	PHAGI-GWALIOR	2	0	1050	0.0	17.8	-17.8
6	765 kV	JABALPUR-ORAI	2	764	863	0.0	29.7	-29.7
7	765 kV	GWALIOR-ORAI	1	566	0	10.1	0.0	10.1
8	765 kV	SATNA-ORAI	1	0	1155	0.0	23.2	-23.2
9	765 kV	CHITORGARH-BANASKANTHA	2	776	374	2.6	0.0	2.6
10	400 kV	ZERDA-KANKROLI	1	222	4	2.1	0.0	2.1
11	400 kV	ZERDA -BHINMAL	1	240	202	0.3	0.0	0.3
12	400 kV	VINDHYACHAL -RIHAND	1	486	0	10.8	0.0	10.8
13	400 kV	RAPP-SHUALPUR	2	96	298	0.2	2.4	-2.2
14	220 kV	BHANPURA-RANPUR	1	0	142	0.0	1.7	-1.7
15	220 kV	BHANPURA-MORAK	1	0	30	0.0	0.7	-0.7
16	220 kV	MEHGAON-AURAIYA	1	144	0	2.1	0.0	2.1
17	220 kV	MALANPUR-AURAIYA	1	94	5	1.0	0.0	1.0
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	1.0	-1.0
						WR-NR	35.2	-126.9
<b>Import/Export of WR (With SR)</b>								
1	HVDC	BHADRAWATI B/B	-	0	522	0.0	12.4	-12.4
2	HVDC	RAIGARH-PUGALUR	2	0	1511	0.0	24.8	-24.8
3	765 kV	SOLAPUR-RAICHUR	2	0	2061	0.0	31.6	-31.6
4	765 kV	WARDHA-NIZAMABAD	2	0	3221	0.0	57.3	-57.3
5	400 kV	KOLHAPUR-KUDGI	2	1078	0	15.9	0.0	15.9
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	124	2.3	0.0	2.3
						WR-SR	18.2	-107.9
<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)	304	0	92	2.2		
	ER	400KV TALA-BINAGURI 1,2,3 (& 400KV MALBASE - BINAGURI) i.e. BINAGURI RECEIPT (from TALA HEP (6*170MW)	50	49	50	1.5		
	ER	220KV CHUKHA-BIRPARA 1&2 & 220KV MALBASE - BIRPARA) i.e. BIRPARA RECEIPT (from CHUKHA HEP 4*84MW)	21	0	18	0.4		
	NER	132KV-GEYLEGPHU - SALAKATI	-28	-12	19	0.5		
	NER	132KV Motanga-Rangia	-17	0	2	0.0		
NEPAL	NR	132KV-TANAKPUR(NH) - MAHENDRANAGAR(PG)	-80	0	-73	-1.8		
	ER	400KV-MUZAFFARPUR - DHALKEBAR DC	-331	-248	-315	-7.6		
BANGLADESH	ER	132KV-BIHAR - NEPAL	-286	-104	-149	-3.6		
	ER	BHERAMARA HVDC(BANGLADESH)	-714	-592	-663	-15.9		
	NER	132KV-SURAJMANI NAGAR - COMILLA(BANGLADESH)-1	78	0	-62	-1.5		
	NER	132KV-SURAJMANI NAGAR - COMILLA(BANGLADESH)-2	77	0	-62	-1.5		