



**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: 01<sup>st</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 28.02.2021.**

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 28-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 28<sup>th</sup> February 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: 01-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)	45884	51784	41316	18961	2384	160329
Peak Shortage (MW)	890	0	0	141	8	1039
Energy Met (MU)	983	1274	1068	406	42	3773
Hydro Gen (MU)	109	46	73	34	8	270
Wind Gen (MU)	6	36	26	-	-	69
Solar Gen (MU)*	48.80	38.95	113.79	4.62	0.10	206
Energy Shortage (MU)	11.05	0.00	0.00	0.42	0.04	11.51
Maximum Demand Met During the Day (MW) (From NLDC SCADA)	54828	58161	50355	19814	2517	173215
Time Of Maximum Demand Met (From NLDC SCADA)	09:22	11:25	10:43	19:03	18:01	09:22

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	0.031	0.00	0.00	3.30	3.30	73.10	23.60

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	5973	0	123.0	54.4	-0.2	146	1.05
	Haryana	6075	0	126.0	82.6	0.2	175	0.00
	Rajasthan	13029	0	255.8	81.7	0.8	462	0.00
	Delhi	3257	0	59.2	45.0	-1.8	96	0.00
	UP	16718	0	303.0	95.6	-0.8	446	0.00
	Uttarakhand	1812	0	34.9	17.6	-0.3	60	0.00
	HP	1523	0	27.8	22.2	0.7	192	0.00
	J&K(UT) & Ladakh(UT)	2442	500	50.7	43.6	1.7	626	10.00
WR	Chhattisgarh	170	0	2.8	2.9	-0.1	13	0.00
	Gujarat	4513	0	103.1	49.4	0.9	298	0.00
	Gujarat	16159	0	357.2	145.0	1.3	435	0.00
	MP	12724	0	259.8	145.2	-1.8	858	0.00
	Maharashtra	23502	0	499.2	144.3	-1.4	763	0.00
	Goa	422	0	9.1	8.6	0.0	70	0.00
	DD	311	0	7.0	6.9	0.1	17	0.00
	DNH	840	0	19.7	19.4	0.3	54	0.00
SR	AMNSIL	846	0	18.8	5.3	0.4	304	0.00
	Andhra Pradesh	10457	0	201.9	72.4	-0.3	371	0.00
	Telangana	12934	0	257.4	140.3	0.2	443	0.00
	Karnataka	12085	0	229.9	89.9	0.7	684	0.00
	Kerala	3765	0	76.3	54.5	0.5	245	0.00
	Tamil Nadu	13239	0	295.7	178.6	-0.6	415	0.00
	Puducherry	331	0	6.7	7.0	-0.2	25	0.00
	ER	Bihar	4717	0	87.4	71.0	3.3	432
DVC		3106	0	65.8	-56.4	-0.6	234	0.00
Jharkhand		1300	0	25.4	21.4	-1.0	108	0.42
Odisha		4378	0	86.7	13.7	0.1	385	0.00
West Bengal		6766	0	140.2	18.1	1.0	517	0.00
Sikkim		75	0	1.0	1.6	-0.6	4	0.00
NER	Arunachal Pradesh	125	1	2.4	2.6	-0.3	2	0.01
	Assam	1430	8	22.9	18.0	-0.2	119	0.00
	Manipur	202	1	2.5	2.7	-0.1	18	0.01
	Meghalaya	335	0	6.1	5.3	-0.1	21	0.00
	Mizoram	92	1	1.7	1.4	0.0	19	0.01
	Nagaland	142	1	2.2	2.1	0.0	19	0.01
	Tripura	240	3	3.8	3.0	-0.3	34	0.00

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

	Bhutan	Nepal	Bangladesh
Actual (MU)	4.7	-13.3	-18.0
Day Peak (MW)	242.0	-663.2	-794.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	194.9	-193.7	164.5	-163.3	-2.4	0.0
Actual(MU)	189.8	-194.1	159.7	-159.1	-2.2	-5.8
OD/UD(MU)	-5.0	-0.4	-4.8	4.2	0.2	-5.8

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	TOTAL	% Share
Central Sector	7000	16158	6532	1657	794	32140	45
State Sector	11212	14186	9072	4187	11	38667	55
Total	18212	30343	15604	5843	805	70807	100

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India	% Share
Coal	542	1297	571	567	10	2987	77
Lignite	25	10	42	0	0	77	2
Hydro	109	46	73	34	8	270	7
Nuclear	23	21	47	0	0	91	2
Gas, Naptha & Diesel	29	35	11	0	31	105	3
RES (Wind, Solar, Biomass & Others)	82	76	177	5	0	341	9
Total	810	1486	921	605	49	3871	100

Share of RES in total generation (%)	10.17	5.12	19.27	0.77	0.20	8.80
Share of Non-fossil fuel (Hydro,Nuclear and RES) in total generation(%)	26.46	9.67	32.25	6.32	17.32	18.13

H. All India Demand Diversity Factor

Based on Regional Max Demands	1.072
Based on State Max Demands	1.074

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: 01-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	6.0	-6.0
3	765 kV	GAYA-VARANASI	2	0	807	0.0	12.6	-12.6
4	765 kV	SASARAM-FATEHPUR	1	0	415	0.0	6.4	-6.4
5	765 kV	GAYA-BALIA	1	0	467	0.0	7.9	-7.9
6	400 kV	PUSAULI-VARANASI	1	0	206	0.0	4.4	-4.4
7	400 kV	PUSAULI-ALLAHABAD	1	0	92	0.0	1.6	-1.6
8	400 kV	MUZAFFARPUR-GORAKHPUR	2	0	805	0.0	12.4	-12.4
9	400 kV	PATNA-BALIA	4	0	1056	0.0	20.5	-20.5
10	400 kV	BIHARSHARIFF-BALIA	2	0	466	0.0	9.0	-9.0
11	400 kV	MOTIHARI-GORAKHPUR	2	0	329	0.0	5.3	-5.3
12	400 kV	BIHARSHARIFF-VARANASI	2	0	353	0.0	4.9	-4.9
13	220 kV	PUSAULI-SAHUPURI	1	2	156	0.0	2.3	-2.3
14	132 kV	SONWAL-RIHAND	1	0	93	0.0	0.0	0.0
15	132 kV	GARWAH-RIHAND	1	0	44	0.0	0.7	0.0
16	132 kV	KARMANASA-SAHUPURI	1	0	1	0.0	0.0	0.0
17	132 kV	KARMANASA-CHANDAULI	1	0	3	0.0	0.0	0.0
						ER-NR	93.2	-92.5
<b>Import/Export of ER (With WR)</b>								
1	765 kV	JHARSUGUDA-DHARAMJAIGARH	4	137	377	0.0	2.8	-2.8
2	765 kV	NEW RANCHI-DHARAMJAIGARH	2	518	981	0.0	5.1	-5.1
3	765 kV	JHARSUGUDA-DURG	2	0	467	0.0	8.5	-8.5
4	400 kV	JHARSUGUDA-RAIGARH	4	0	608	0.0	10.2	-10.2
5	400 kV	RANCHI-SIPAT	2	67	358	0.0	3.4	-3.4
6	220 kV	BUDHIPADAR-RAIGARH	1	0	198	0.0	3.8	-3.8
7	220 kV	BUDHIPADAR-KORBA	2	11	81	0.0	0.9	-0.9
						ER-WR	34.7	-34.7
<b>Import/Export of ER (With SR)</b>								
1	HVDC	JEYPORE-GAZUWAKA B/B	2	0	538	0.0	12.4	-12.4
2	HVDC	TALCHER-KOLAR BIPOLE	2	0	1089	0.0	24.1	-24.1
3	765 kV	ANGUL-SRIKAKULAM	2	0	2969	0.0	59.9	-59.9
4	400 kV	TALCHER-I/C	2	924	0	20.7	0.0	20.7
5	220 kV	BALIMELA-UPPER-SILERRU	1	1	0	0.0	0.0	0.0
						ER-SR	96.4	-96.4
<b>Import/Export of ER (With NER)</b>								
1	400 kV	BINAGURI-BONGAIGAON	2	325	0	4.4	0.0	4.4
2	400 kV	ALIPURDUAR-BONGAIGAON	2	546	0	7.5	0.0	7.5
3	220 kV	ALIPURDUAR-SALAKATI	2	85	0	1.2	0.0	1.2
						ER-NER	13.1	0.0
<b>Import/Export of NER (With NR)</b>								
1	HVDC	BISWANATH CHARIALL-AGRA	2	469	0	11.5	0.0	11.5
						NER-NR	11.5	0.0
<b>Import/Export of WR (With NR)</b>								
1	HVDC	CHAMPA-KURUKSHETRA	2	0	1005	0.0	23.4	-23.4
2	HVDC	VINDHYACHAL B/B	-	239	0	5.7	0.0	5.7
3	HVDC	MUNDA-MOHINDERGARH	2	0	983	0.0	24.2	-24.2
4	765 kV	GWALIOR-AGRA	2	0	2029	0.0	29.7	-29.7
5	765 kV	PHAGI-GWALIOR	2	0	1080	0.0	19.3	-19.3
6	765 kV	JABALPUR-ORAI	2	569	863	0.0	28.2	-28.2
7	765 kV	GWALIOR-ORAI	1	589	0	10.6	0.0	10.6
8	765 kV	SATNA-ORAI	1	0	1164	0.0	23.1	-23.1
9	765 kV	CHITORGARH-BANASKANTHA	2	526	506	1.9	0.0	1.9
10	400 kV	ZERDA-KANKROLI	1	175	59	2.1	0.0	2.1
11	400 kV	ZERDA -BHINMAL	1	166	224	0.5	0.0	0.5
12	400 kV	VINDHYACHAL -RIHAND	1	487	0	11.3	0.0	11.3
13	400 kV	RAPP-SHUALPUR	2	86	369	0.2	2.3	-2.1
14	220 kV	BHANPURA-RANPUR	1	0	113	0.0	1.6	-1.6
15	220 kV	BHANPURA-MORAK	1	0	30	0.0	0.7	-0.7
16	220 kV	MEHGAON-AURAIYA	1	145	0	2.1	0.0	2.1
17	220 kV	MALANPUR-AURAIYA	1	97	0	1.4	0.0	1.4
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	1.1	-1.1
						WR-NR	35.6	153.6
<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	1502	0.0	28.9	-28.9
3	765 kV	SOLAPUR-RAICHUR	2	429	2159	0.4	31.7	-31.3
4	765 kV	WARDHA-NIZAMABAD	2	0	3196	0.0	53.9	-53.9
5	400 kV	KOLHAPUR-KUDGI	2	1063	0	13.9	0.0	13.9
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	115	2.2	0.0	2.2
						WR-SR	16.5	126.9
<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)	109	0	98	2.3		
	ER	400KV TALA-BINAGURI 1,2,3 (& 400KV MALBASE - BINAGURI) i.e. BINAGURI RECEIPT (from TALA HEP (6*170MW)	70	57	70	2.0		
	ER	220KV CHUKHA-BIRPARA 1&2 & 220KV MALBASE - BIRPARA) i.e. BIRPARA RECEIPT (from CHUKHA HEP 4*84MW)	16	4	-14	-0.3		
	NER	132KV-GEYLEGPHU - SALAKATI	35	14	21	0.5		
	NER	132KV Motanga-Rangia	13	2	8	0.2		
NEPAL	NR	132KV-TANAKPUR(NH) - MAHENDRANAGAR(PG)	0	0	0	-1.5		
	ER	400KV-MUZAFFARPUR - DHALKEBAR DC	-361	-249	-306	-7.3		
	ER	132KV-BIHAR - NEPAL	-302	-40	-189	-4.5		
BANGLADESH	ER	BHERAMARA HVDC(BANGLADESH)	-652	-621	-632	-15.2		
	NER	132KV-SURAJMANI NAGAR - COMILLA(BANGLADESH)-1	71	0	-59	-1.4		
	NER	132KV-SURAJMANI NAGAR - COMILLA(BANGLADESH)-2	71	0	-59	-1.4		