



**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: 25<sup>th</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 24.03.2021.**

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 24-मार्च-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 24<sup>rd</sup> March 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: 25-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)	46156	54146	47816	22812	2864	173794
Peak Shortage (MW)	790	489	0	141	30	1450
Energy Met (MU)	943	1291	1216	501	49	4000
Hydro Gen (MU)	112	38	89	34	8	282
Wind Gen (MU)	17	49	36	-	-	103
Solar Gen (MU)*	48.42	37.22	108.23	5.09	0.16	199
Energy Shortage (MU)	11.15	2.90	0.00	0.42	0.34	14.81
Maximum Demand Met During the Day (MW) (From NLDC SCADA)	48581	57800	57472	22949	2868	178785
Time Of Maximum Demand Met (From NLDC SCADA)	19:21	16:17	11:25	19:11	18:05	11:53

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	0.037	0.00	0.51	5.69	6.20	74.00	19.80

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	5791	0	119.1	59.7	-0.8	196	0.00
	Haryana	6097	0	122.5	76.8	-0.1	159	0.00
	Rajasthan	9944	0	203.9	32.7	1.1	710	0.00
	Delhi	3583	0	70.2	54.5	-0.6	197	0.12
	UP	17013	320	303.5	96.8	0.7	409	3.43
	Uttarakhand	1940	0	38.7	25.8	0.8	211	0.00
	HP	1700	10	31.5	23.6	1.9	306	0.00
	J&K(UT) & Ladakh(UT)	2442	400	50.1	38.4	1.5	392	7.60
WR	Chandigarh	178	0	3.2	3.4	-0.1	11	0.00
	Chhattisgarh	4531	0	104.6	56.5	-0.1	271	2.90
	Gujarat	17904	0	392.1	171.0	-0.9	530	0.00
	MP	10487	0	214.1	105.2	-0.2	646	0.00
	Maharashtra	23782	0	522.8	156.1	-1.2	644	0.00
	Goa	571	0	11.9	11.7	-0.3	41	0.00
	DD	348	0	7.9	7.5	0.4	24	0.00
	DNH	853	0	20.0	19.7	0.3	50	0.00
SR	AMNSIL	807	0	17.8	1.2	0.1	265	0.00
	Andhra Pradesh	10915	0	216.8	91.7	0.9	484	0.00
	Telangana	13487	0	278.2	140.1	0.9	855	0.00
	Karnataka	14179	0	269.4	104.8	1.4	671	0.00
	Kerala	4184	0	87.5	55.6	0.9	278	0.00
	Tamil Nadu	16003	0	355.6	233.9	2.7	780	0.00
	Puducherry	407	0	8.6	8.5	0.2	56	0.00
	ER	Bihar	5299	0	103.0	94.2	0.7	439
DVC		3170	0	72.1	-52.3	-1.2	335	0.00
Jharkhand		1407	0	27.8	20.2	-0.9	239	0.42
Odisha		4978	0	109.0	49.0	2.6	650	0.00
West Bengal		8740	0	187.8	45.3	1.4	362	0.00
Sikkim		99	0	1.0	1.1	-0.1	50	0.00
NER	Arunachal Pradesh	133	2	2.3	2.4	-0.1	11	0.01
	Assam	1736	16	29.9	25.2	0.4	107	0.30
	Manipur	202	3	2.7	2.6	0.0	27	0.01
	Meghalaya	338	0	5.9	4.5	0.1	67	0.00
	Mizoram	108	1	1.6	1.5	-0.1	25	0.01
	Nagaland	129	2	2.2	2.2	0.0	25	0.01
	Tripura	281	2	4.7	3.8	0.2	80	0.00

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

	Bhutan	Nepal	Bangladesh
Actual (MU)	5.5	-16.4	-21.1
Day Peak (MW)	274.0	-739.5	-886.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	111.1	-304.8	244.1	-57.6	7.2	0.0
Actual(MU)	100.3	-307.3	252.4	-56.8	8.0	-3.4
O/D/U/D(MU)	-10.8	-2.5	8.2	0.8	0.8	-3.4

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	TOTAL	% Share
Central Sector	4821	12413	8302	2078	1072	28686	43
State Sector	13132	14612	6298	4213	11	38266	57
Total	17953	27025	14600	6291	1083	66951	100

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India	% Share
Coal	570	1400	626	564	15	3176	78
Lignite	19	11	32	0	0	62	2
Hvdro	112	38	89	34	8	282	7
Nuclear	27	21	41	0	0	89	2
Gas, Naptha & Diesel	32	45	16	0	24	117	3
RES (Wind, Solar, Biomass & Others)	95	87	178	5	0	366	9
Total	856	1602	983	603	48	4091	100

Share of RES in total generation (%)	11.13	5.46	18.14	0.85	0.33	8.95
Share of Non-fossil fuel (Hydro,Nuclear and RES) in total generation(%)	27.34	9.13	31.44	6.44	18.03	18.01

H. All India Demand Diversity Factor

Based on Regional Max Demands	1.061
Based on State Max Demands	1.084

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: 25-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	295	0.0	0.0	0.0	
2	HVDC	PUSAULI B/B	-	0	247	0.0	5.8	-5.8	
3	765 kV	GAYA-VARANASI	2	64	373	0.0	3.8	-3.8	
4	765 kV	SASARAM-FATEHPUR	1	149	171	0.0	1.1	-1.1	
5	765 kV	GAYA-BALIA	1	0	303	0.0	4.3	-4.3	
6	400 kV	PUSAULI-VARANASI	1	0	236	0.0	4.9	-4.9	
7	400 kV	PUSAULI-ALLAHABAD	1	11	78	0.0	0.9	-0.9	
8	400 kV	MUZAFFARPUR-GORAKHPUR	2	191	304	0.0	1.3	-1.3	
9	400 kV	PATNA-BALIA	4	0	780	0.0	12.9	-12.9	
10	400 kV	BIHARSHARIF-BALIA	2	131	92	0.9	0.0	0.9	
11	400 kV	MOTIHARI-GORAKHPUR	2	0	398	0.0	2.7	-2.7	
12	400 kV	BIHARSHARIF-VARANASI	2	36	134	0.0	0.8	-0.8	
13	220 kV	PUSAULI-SAHUPURI	1	22	218	0.0	1.7	-1.7	
14	132 kV	SONEG NAGAR-RIHAND	1	0	0	0.0	0.0	0.0	
15	132 kV	GARWAH-RIHAND	1	20	78	0.3	0.0	0.3	
16	132 kV	KARMANASA-SAHUPURI	1	0	23	0.0	0.0	0.0	
17	132 kV	KARMANASA-CHANDAULI	1	0	23	0.0	0.0	0.0	
						ER-NR	1.2	40.1	-38.9
<b>Import/Export of ER (With WR)</b>									
1	765 kV	JHARSUGUDA-DHARAMJAIGARH	4	2398	0	44.8	0.0	44.8	
2	765 kV	NEW RANCHI-DHARAMJAIGARH	2	513	2581	0.2	0.0	0.2	
3	765 kV	JHARSUGUDA-DURG	2	305	29	2.7	0.0	2.7	
4	400 kV	JHARSUGUDA-RAIGARH	4	304	173	1.8	0.0	1.8	
5	400 kV	RANCHI-SIPAT	2	189	177	0.0	0.2	-0.2	
6	220 kV	BUDHIPADAR-RAIGARH	1	0	106	0.0	1.5	-1.5	
7	220 kV	BUDHIPADAR-KORBA	2	177	21	2.4	0.0	2.4	
						ER-WR	52.0	1.6	50.4
<b>Import/Export of ER (With SR)</b>									
1	HVDC	JEYPORE-GAZUWAKA B/B	2	2435	656	0.0	14.6	-14.6	
2	HVDC	TALCHER-KOLAR BIPOLE	2	0	2483	0.0	48.2	-48.2	
3	765 kV	ANGUL-SRIKAKULAM	2	96	2919	0.0	58.9	-58.9	
4	400 kV	TALCHER/JC	2	270	983	0.0	3.1	-3.1	
5	220 kV	BALIMELA-UPPER-SILERRU	1	451	0	0.0	0.0	0.0	
						ER-SR	0.0	121.6	-121.6
<b>Import/Export of ER (With NER)</b>									
1	400 kV	BINAGURI-BONGAIGAON	2	165	312	0.7	0.0	0.7	
2	400 kV	ALIPURDUAR-BONGAIGAON	2	262	449	1.3	0.0	1.3	
3	220 kV	ALIPURDUAR-SALAKATI	2	101	41	0.1	0.0	0.1	
						ER-NER	2.1	0.0	2.1
<b>Import/Export of NER (With NR)</b>									
1	HVDC	BISWANATH CHARIALI-AGRA	2	488	0	10.5	0.0	10.5	
						NER-NR	10.5	0.0	10.5
<b>Import/Export of WR (With NR)</b>									
1	HVDC	CHAMPA-KURUKSHETRA	2	0	2004	0.0	50.9	-50.9	
2	HVDC	VINDHYACHAL B/B	-	278	250	4.3	1.2	3.1	
3	HVDC	MUNDA-MOHINDERGARH	2	0	984	0.0	24.2	-24.2	
4	765 kV	GWALIOR-AGRA	2	0	2078	0.0	26.1	-26.1	
5	765 kV	PHAGGL-GWALIOR	2	0	998	0.0	14.7	-14.7	
6	765 kV	JABALPUR-ORAI	2	76	650	0.0	12.1	-12.1	
7	765 kV	GWALIOR-ORAI	1	510	0	8.8	0.0	8.8	
8	765 kV	SATNA-ORAI	1	0	1262	0.0	25.3	-25.3	
9	765 kV	CHITORGARH-BANASKANTHA	2	1287	0	21.1	0.0	21.1	
10	400 kV	ZERDA-KANKROLI	1	366	0	6.8	0.0	6.8	
11	400 kV	ZERDA-BHINMAL	1	577	0	8.2	0.0	8.2	
12	400 kV	VINDHYACHAL-RIHAND	1	972	0	22.9	0.0	22.9	
13	400 kV	RAPP-SHUGALPUR	2	197	206	1.7	0.6	1.1	
14	220 kV	BHANPURA-RANPUR	1	28	38	0.1	0.4	-0.3	
15	220 kV	BHANPURA-MORAK	1	0	30	0.3	0.2	0.1	
16	220 kV	MEHGAON-AURAIYA	1	109	0	0.9	0.0	0.9	
17	220 kV	MALANPUR-AURAIYA	1	87	0	1.3	0.0	1.3	
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	76.3	155.8	-79.5
<b>Import/Export of WR (With SR)</b>									
1	HVDC	BHADRAWATI B/B	-	0	1023	0.0	20.5	-20.5	
2	HVDC	RAIGARH-PUGALUR	2	0	1509	0.0	68.2	-68.2	
3	765 kV	SOLAPUR-RAICHUR	2	0	3104	0.0	40.6	-40.6	
4	765 kV	WARDHA-NIZAMABAD	2	0	3425	0.0	63.2	-63.2	
5	400 kV	KOLHAPUR-KUDGI	2	868	55	12.8	0.0	12.8	
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	XELDEM-AMBEWADI	1	0	108	1.9	0.0	1.9	
						WR-SR	14.7	192.5	-177.8
<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)	634	0	145	3.5			
	ER	400KV TALA-BINAGURI 1,2,4 (& 400KV MALBASE - BINAGURI) I.e. BINAGURI RECEIPT (from TALA HEP (6*170MW)	185	76	108	2.6			
	ER	220KV CHUKHA-BIRPARA 1&2 (& 220KV MALBASE - BIRPARA) I.e. BIRPARA RECEIPT (from CHUKHA HEP 4*84MW)	1502	0	-30	-0.7			
	NER	132KV-GEYLEGPHU - SALAKATI	39	0	26	0.6			
	NER	132KV Motanga-Rangia	-21	0	-8	-0.2			
NEPAL	NR	132KV-TANAKPUR(NH) - MAHENDRANAGAR(PG)	-83	0	-73	-1.8			
	ER	400KV-MUZAFFARPUR - DHALKEBAR DC	-334	-226	-318	-7.6			
BANGLADESH	ER	132KV-BIHAR - NEPAL	-322	-234	-291	-7.0			
	ER	BHERAMARA HVDC(BANGLADESH)	-728	-726	-727	-17.4			
	NER	132KV-SURAJMANI NAGAR - COMILLA(BANGLADESH)-1	79	0	-76	-1.8			
	NER	132KV-SURAJMANI NAGAR - COMILLA(BANGLADESH)-2	79	0	-75	-1.8			