



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: 26th 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 25.03.2021.

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 25-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 25th 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: 26-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)	45551	54757	48060	23130	2760	174258
Peak Shortage (MW)	400	45	0	0	48	493
Energy Met (MU)	981	1314	1222	496	46	4060
Hydro Gen (MU)	105	44	102	34	8	293
Wind Gen (MU)	14	52	31	-	-	97
Solar Gen (MU)*	43.53	37.77	101.48	5.21	0.18	188
Energy Shortage (MU)	7.81	2.50	0.00	0.00	0.12	10.43
Maximum Demand Met During the Day (MW) (From NLDC SCADA)	48709	58026	57429	23447	2786	181260
Time Of Maximum Demand Met (From NLDC SCADA)	19:20	11:22	09:57	19:53	18:24	10:26

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	0.47	2.50	2.97	72.19	24.84

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	5848	0	123.3	55.5	-1.1	172	0.00
	Haryana	5875	0	125.7	77.4	-1.0	151	0.00
	Rajasthan	10624	0	212.0	35.6	-1.4	327	0.00
	Delhi	3496	0	70.0	53.7	-0.9	120	0.00
	UP	17901	0	326.3	111.3	-0.7	369	0.00
	Uttarakhand	1900	0	38.4	26.0	1.4	243	0.07
	HP	1624	0	31.0	23.6	1.5	257	0.14
	J&K(UT) & Ladakh(UT)	2795	400	51.3	41.1	1.1	498	7.60
WR	Chandigarh	171	0	3.2	3.1	0.0	18	0.00
	Chhattisgarh	4623	45	108.6	57.7	0.3	440	2.50
	Gujarat	17904	0	392.1	161.2	8.9	588	0.00
	MP	10948	0	222.4	109.2	-3.4	478	0.00
	Maharashtra	24283	0	534.0	165.0	-1.4	584	0.00
	Goa	582	0	12.1	11.8	-0.2	150	0.00
	DD	346	0	7.7	7.6	0.1	53	0.00
	DNH	860	0	20.1	20.2	-0.1	48	0.00
SR	AMNSIL	803	0	17.4	1.2	0.2	278	0.00
	Andhra Pradesh	10715	0	218.3	84.4	2.0	569	0.00
	Telangana	13468	0	277.9	140.6	1.3	652	0.00
	Karnataka	13981	0	272.0	98.1	1.8	635	0.00
	Kerala	4137	0	85.9	54.5	0.9	350	0.00
	Tamil Nadu	16023	0	359.1	237.1	2.1	940	0.00
	Puducherry	406	0	8.5	8.7	-0.2	23	0.00
	ER	Bihar	5344	0	98.1	86.0	2.5	890
DVC		3305	0	71.4	-52.7	2.1	660	0.00
Jharkhand		1546	0	29.3	20.9	-0.3	149	0.00
Odisha		5223	0	110.4	49.9	0.9	576	0.00
West Bengal		8623	0	185.7	51.2	0.9	678	0.00
Sikkim		78	0	1.1	1.1	0.0	45	0.00
NER	Arunachal Pradesh	127	2	2.3	2.3	-0.2	10	0.01
	Assam	1693	12	27.7	24.6	0.3	110	0.08
	Manipur	201	4	2.3	2.6	-0.3	18	0.01
	Meghalaya	346	0	5.8	4.7	-0.1	47	0.00
	Mizoram	103	3	1.5	1.5	-0.2	19	0.01
	Nagaland	142	2	2.2	2.2	0.0	24	0.01
	Tripura	264	1	4.6	3.8	0.0	80	0.00

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

	Bhutan	Nepal	Bangladesh
Actual (MU)	4.1	-16.3	-20.9
Day Peak (MW)	407.0	-756.2	-894.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	128.0	-315.1	242.2	-61.5	6.4	0.0
Actual(MU)	116.2	-314.8	245.8	-57.7	5.8	-4.9
OD/UD(MU)	-11.9	0.3	3.6	3.8	-0.6	-4.9

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	TOTAL	% Share
Central Sector	4699	12413	8092	2738	1222	29163	43
State Sector	12582	15541	6716	3913	11	38763	57
Total	17281	27954	14808	6651	1233	67926	100

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India	% Share
Coal	610	1423	632	542	16	3222	78
Lignite	22	11	34	0	0	67	2
Hvdro	105	44	102	34	8	294	7
Nuclear	27	27	41	0	0	96	2
Gas, Naptha & Diesel	32	40	16	0	23	111	3
RES (Wind, Solar, Biomass & Others)	84	90	169	5	0	349	8
Total	881	1635	993	581	47	4137	100

Share of RES in total generation (%)	9.58	5.53	16.97	0.90	0.38	8.43
Share of Non-fossil fuel (Hydro,Nuclear and RES) in total generation(%)	24.63	9.90	31.39	6.79	17.26	17.84

H. All India Demand Diversity Factor

Based on Regional Max Demands	1.050
Based on State Max Demands	1.083

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: 26-Mar-2021

Sl No	Voltage Level	Line Details	No. of Circuit	Max Import (MW)	Max Export (MW)	Import (MU)	Export (MU)	NET (MU)	
Import/Export of ER (With NR)									
1	HVDC	ALIPURDUAR-AGRA	2	0	0	0.0	0.0	0.0	
2	HVDC	PUSAULI B/B	-	0	247	0.0	5.9	-5.9	
3	765 kV	GAYA-VARANASI	2	93	315	0.0	2.2	-2.2	
4	765 kV	SASARAM-FATEHPUR	1	139	112	0.3	0.0	0.3	
5	765 kV	GAYA-BALIA	1	0	275	0.0	4.1	-4.1	
6	400 kV	PUSAULI-VARANASI	1	0	243	0.0	5.0	-5.0	
7	400 kV	PUSAULI -ALLAHABAD	1	0	67	0.0	0.7	-0.7	
8	400 kV	MUZAFFARPUR-GORAKHPUR	2	126	394	0.0	2.2	-2.2	
9	400 kV	PATNA-BALIA	4	0	646	0.0	10.2	-10.2	
10	400 kV	BIHARSHARIFE-BALIA	2	115	106	0.3	0.0	0.3	
11	400 kV	MOTIHARIGORAKHPUR	2	0	323	0.0	7.5	-7.5	
12	400 kV	BIHARSHARIFE-VARANASI	2	40	131	0.0	1.3	-1.3	
13	220 kV	PUSAULI-SAHUPURI	1	51	68	0.0	0.3	-0.3	
14	132 kV	SONE NAGAR-RIHAND	1	0	0	0.0	0.0	0.0	
15	132 kV	GARWAH-RIHAND	1	20	0	0.3	0.0	0.3	
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	1.0	34.3	-33.4
Import/Export of ER (With WR)									
1	765 kV	JHARSUGUDA-DHARAMJAIGARH	4	2087	0	39.8	0.0	39.8	
2	765 kV	NEW RANCHI-DHARAMJAIGARH	2	900	583	3.2	0.0	3.2	
3	765 kV	JHARSUGUDA-DURG	2	216	64	1.8	0.0	1.8	
4	400 kV	JHARSUGUDA-RAIGARH	4	255	139	1.9	0.0	1.9	
5	400 kV	RANCHI-SIPAT	2	264	194	0.2	0.0	0.2	
6	220 kV	BUDHIPADAR-RAIGARH	1	0	117	0.0	1.6	-1.6	
7	220 kV	BUDHIPADAR-KORBA	2	73	8	0.9	0.0	0.9	
						ER-WR	47.7	1.6	46.1
Import/Export of ER (With SR)									
1	HVDC	JEYPORE-GAZUWAKA B/B	2	0	503	0.0	10.0	-10.0	
2	HVDC	TALCHER-KOLAR BIPOLE	2	0	2481	0.0	50.5	-50.5	
3	765 kV	ANGUL-SRIKAKULAM	2	0	3098	0.0	62.1	-62.1	
4	400 kV	TALCHER-I/C	2	0	672	0.0	5.6	-5.6	
5	220 kV	BALIMELA-UPPER-SILERRU	1	1	0	0.0	0.0	0.0	
						ER-SR	0.0	122.6	-122.6
Import/Export of ER (With NER)									
1	400 kV	BINAGURI-BONGAIGAON	2	197	224	0.3	0.0	0.3	
2	400 kV	ALIPURDUAR-BONGAIGAON	2	318	300	1.1	0.0	1.1	
3	220 kV	ALIPURDUAR-SALAKATI	2	30	36	0.1	0.0	0.1	
						ER-NER	1.4	0.0	1.4
Import/Export of NER (With NR)									
1	HVDC	BISWANATH CHARIALI-AGRA	2	489	0	6.9	0.0	6.9	
						NER-NR	6.9	0.0	6.9
Import/Export of WR (With NR)									
1	HVDC	CHAMPA-KURUKSHETRA	2	0	2010	0.0	56.7	-56.7	
2	HVDC	VINDHYACHAL B/B	-	241	251	0.0	0.0	0.0	
3	HVDC	MUNDRA-MOHENDERGARH	2	0	1455	0.0	25.7	-25.7	
4	765 kV	GWALIOR-AGRA	2	0	2512	0.0	28.4	-28.4	
5	765 kV	PHAGI-GWALIOR	2	0	993	0.0	13.7	-13.7	
6	765 kV	JABALPUR-ORAI	2	120	698	0.0	14.4	-14.4	
7	765 kV	GWALIOR-ORAI	1	684	0	9.2	0.0	9.2	
8	765 kV	SATNA-ORAI	1	0	1331	0.0	25.4	-25.4	
9	765 kV	CHITORGARH-BANASKANTHA	2	1628	0	19.3	0.0	19.3	
10	400 kV	ZERDA-KANKROLI	1	409	0	6.3	0.0	6.3	
11	400 kV	ZERDA -BHINMAL	1	534	0	7.7	0.0	7.7	
12	400 kV	VINDHYACHAL -RIHAND	1	976	0	22.5	0.0	22.5	
13	400 kV	RAPP-SIHUAI PUR	2	261	16	1.7	1.0	0.6	
14	220 kV	BHANPURA-RANPUR	1	39	35	0.2	0.1	0.1	
15	220 kV	BHANPURA-MORAK	1	0	30	0.7	0.0	0.7	
16	220 kV	MEHGAON-AURAIYA	1	131	0	0.9	0.0	0.9	
17	220 kV	MALANPUR-AURAIYA	1	96	7	1.5	0.0	1.5	
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	69.8	165.4	-95.6
Import/Export of WR (With SR)									
1	HVDC	BHADRAWATI B/B	-	0	1023	0.0	21.7	-21.7	
2	HVDC	RAIGARH-PUGAULI	2	0	1511	0.0	68.4	-68.4	
3	765 kV	SOLAPUR-RAICHUR	2	0	2470	0.0	38.1	-38.1	
4	765 kV	WARDHA-NIZAMABAD	2	0	3580	0.0	64.2	-64.2	
5	400 kV	KOLHAPUR-KUDGI	2	1032	0	18.3	0.0	18.3	
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	XELDAM-AMBEWADI	1	0	90	1.8	0.0	1.8	
						WR-SR	20.1	192.3	-172.2

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)	188	0	125	3.0
	ER	400kV TALA-BINAGURI 1,2,4 (& 400kV MALBASE - BINAGURI) i.e. BINAGURI RECEIPT (from TALA HEP (6*170MW))	185	0	59	1.4
	ER	220kV CHUKHA-BIRPARA 1&2 (& 220kV MALBASE - BIRPARA) i.e. BIRPARA RECEIPT (from CHUKHA HEP 4*84MW)	36	0	-16	-0.4
	NER	132KV-GEYLEGPHU - SALAKATI	-30	0	12	0.3
	NER	132kV Motanga-Rangis	28	0	-13	-0.3
NEPAL	NR	132KV-TANAKPUR(NH) - MAHENDRANAGAR(PG)	-82	0	-71	-1.7
	ER	400KV-MUZAFFARPUR - DHALKEBAR DC	-314	-230	-305	-7.3
	ER	132KV-BIHAR - NEPAL	-360	-266	-304	-7.3
BANGLADESH	ER	BHERAMARA HVDC(BANGLADESH)	-736	0	-727	-17.5
	NER	132KV-SURAJMANI NAGAR - COMILLA(BANGLADESH)-1	79	0	-72	-1.7
	NER	132KV-SURAJMANI NAGAR - COMILLA(BANGLADESH)-2	79	0	-72	-1.7