

National Load Despatch Centre राष्ट्रीय भार प्रेषण केंद्र POWER SYSTEM OPERATION CORPORATION LIMITED पॉवर सिस्टम ऑपरेशन कारपोरेशन लिमिटेड

(Government of India Enterprise/ भारत सरकार का उद्यम) B-9, QUTUB INSTITUTIONAL AREA, KATWARIA SARAI, NEW DELHI -110016 बी-9, क़तुब इन्स्टीट्यूशनल एरिया, कटवारिया सराये, न्यू दिल्ली-110016

Ref: POSOCO/NLDC/SO/Daily PSP Report

दिनांक: 7th Mar 2021

To,

- कार्यकारी निदेशक, पू.क्षे.भा.प्रे.के.,14, गोल्फ क्लब रोड, कोलकाता 700033
 Executive Director, ERLDC, 14 Golf Club Road, Tollygunge, Kolkata, 700033
- 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., डोंगतिएह, 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 06.03.2021.

महोदय/Dear Sir,

आई॰ई॰जी॰सी॰-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 06-मार्च-2021 की अखिल भारतीय प्रणाली की दैनिक ग्रिड निष्पादन रिपोर्ट रा॰भा॰प्रे॰के॰ की वेबसाइट पर उप्लब्ध 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 6^{th} March 2021, is available at the NLDC website.

धन्यवाद,

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



Report for previous day A. Power Supply Position at All India and Regional level Date of Reporting: 07-Mar-2021 NR WR SR ER NER TOTAL Demand Met during Evening Peak hrs(MW) (at 19:00 hrs; from RLDCs) 2144 48162 46542 Peak Shortage (MW) 530 O 352 882 Energy Met (MU) 1039 1335 1157 428 38 3997 117 55 101 32 10 315 Wind Gen (MU) 22 116.82 5.16 0.16 Solar Gen (MU)* 48.04 209 38.69 Energy Shortage (MU) 10.86 0.00 0.00 0.00 4.56 15.42 Maximum Demand Met During the Day (MW) (From NLDC SCADA) 54938 50094 60074 21090 2331 182656 Time Of Maximum Demand Met (From NLDC SCADA) 19:10 10:42 18:32 10:42 B. Frequency Profile (%) < 49.7 49.7 - 49.8 49.8 - 49.9 < 49.9 49.9 - 50.05 > 50.05 Region All India 0.044 0.00 C. Power Supply Position in States Max.Demand Energy Met OD(+)/UD(-Shortage during Drawal Max OD Energy Region States Met during the maximu Schedule (MU) (MU) (MW) (MU) dav(MW) Demand(MW) (MU) 141.5 -0.8 Punjab Haryana 6518 138.7 87.4 -0.2102 0.00 Rajasthan 13406 262.0 73.6 -0.4 432 0.54 3241 17210 Delhi 46.9 192 0.00 NR 94.4 UP 0 311.5 -0.8 390 0.32 Uttarakhand 1989 0.00 HP 1737 0 31.4 26.4 0.7 120 0.00 J&K(UT) & Ladakh(UT) 2557 500 51.7 42.8 10.00 -0.4 102 Chandigarh 186 3.1 0.1 0.00 49.0 Chhattisgarh 4545 0 105.5 0.2 196 0.00 Gujarat 18025 387.1 142.0 0.00 MP 12681 253.3 148.4 -1.2 502 0.00 wr Maharashtra 533.1 163.2 0.3 1090 0.00 24663 Goa 567 345 0 11.7 11.6 0.0 0.00 DD 0 7.8 7.5 0.3 31 0.00DNH 20.0 0.00 AMNSIL 741 16.3 2.0 0.4 269 0.00 10703 Andhra Pradesl 209.8 0.2 0.00 513 Telangana 13315 265,2 143.9 0.9 698 0.00 SR 13188 0 257.0 92.8 1.1 844 Karnataka 0.00 Kerala Tamil Nadu 15467 335.0 190.6 4.9 874 0.00 Puducherry 378 8.0 Bihar 4728 0 86.3 76.6 0.4 273 0.00 369 DVC 3160 68.1 -63.4 -1.0 0.00Jharkhand 1420 19.1 -0.8 104 0.00 ER Odisha 4700 0 88.9 12.4 0.8 311 0.00 West Bengal 7833 21.6 1.2 2.3 Sikkim 124 1.8 0.6 0.00 Arunachal Pradesh 114 2.1 18 0.01 -0.2 Assam 1302 152 21.1 16.4 -0.3 154 3.50 Manipur 207 0.0 46 0.01 NER 4.8 4.1 Meghalaya Mizoram 109 1.6 1.3 -0.1 32 0.01 0.01 **Nagaland** 132 1.9 0.3 14 D. Transnational Exchanges (MU) - Import(+ve)/Export(-ve) Bangladesh -23.4 -1014.0 Bhutan Nepal -13.0 343.0 $E.\ Import/Export\ by\ Regions\ (in\ MU)\ -\ Import(+ve)/Export(-ve);\ OD(+)/UD(-)$ TOTAL WR SR ER NER NR Schedule(MU) Actual(MU) O/D/U/D(MU) -201.6 174.2 -136.8 0.0 F. Generation Outage(MW) NR 5800 SR 8272 TOTAL 34737 % Share Central Sector State Sector 17128 2928 609 48 12902 14213 6712 3397 11 Total G. Sourcewise generation (MU) NER All India % Share Coal Lignite Hydro 78 315

101

173

987

17.58

602

0.85

6.17

0.30

18.78

77 1560

4.91

9.78

Share of RES in total generation (%)
Share of Non-fossil fuel (Hydro,Nuclear a
H. All India Demand Diversity Factor
n. All India Demand Diversity Factor

Gas, Naptha & Diesel RES (Wind, Solar, Biomass & Others)

Nuclear

Based on Regional Max Demands	1.032		
Based on State Max Demands	1.081		
Di li C i C C C i I i i i I I I I I I I I I			

Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation(%)

*Source: RLDCs for solar connected to ISTS: SLDCs for embedded solar. Limited visibility of embedded solar data.

107

900

11.89

27.44

128

362 4102

8.84

18.41

INTER-REGIONAL EXCHANGES

Import=(+ve) /Export =(-ve) for NET (MU)
Date of Reporting: 07-Mar-2021

						Date of Reporting:	
Sl Voltage Level	Line Details	No. of Circuit	Max Import (MW)	Max Export (MW)	Import (MU)	Export (MU)	NET (MU)
No I Import/Export of ER (1			1	
1 HVDC	ALIPURDUAR-AGRA	2	0	0	0.0	0.0	0.0
2 HVDC	PUSAULI B/B	-	0	249	0.0	6.0	-6.0
3 765 kV 4 765 kV	GAYA-VARANASI SASARAM-FATEHPUR	1	0	713 351	0.0	11.4 6.1	-11.4 -6.1
5 765 kV	GAYA-BALIA	i	Ö	470	0.0	7.7	-7.7
6 400 kV	PUSAULI-VARANASI	1	0	210	0.0	4.3	-4.3
7 400 kV 8 400 kV	PUSAULI -ALLAHABAD	1 2	0	92 831	0.0	1.5 12.2	-1.5 -12.2
9 400 kV	MUZAFFARPUR-GORAKHPUR PATNA-BALIA	4	0	1243	0.0	22.2	-12.2
10 400 kV	BIHARSHARIFF-BALIA	2	Ö	551	0.0	9.2	-9.2
11 400 kV	MOTIHARI-GORAKHPUR	2	0	304	0.0	5.6	-5.6
12 400 kV 13 220 kV	BIHARSHARIFF-VARANASI PUSAULI-SAHUPURI	2	37	299	0.0	3.8 0.8	-3.8 -0.8
14 132 kV	SONE NAGAR-RIHAND	i	0	86 0	0.0	0.0	0.0
15 132 kV	GARWAH-RIHAND	1	20	0	0.6	0.0	0.6
16 132 kV	KARMANASA-SAHUPURI	1	0	0	0.0	0.0	0.0
17 132 kV	KARMANASA-CHANDAULI	11	0	0 ER-NR	0.0 0.6	0.0 90.8	-90.3
Import/Export of ER (With WR)				0.0	70.0	-70.0
1 765 kV	JHARSUGUDA-DHARAMJAIGARH	4	1079	0	17.3	0.0	17.3
2 765 kV	NEW RANCHI-DHARAMJAIGARH	2	684	543	0.0	0.7	-0.7
3 765 kV	JHARSUGUDA-DURG	2	12	463	0.0	5.7	-5.7
4 400 kV	JHARSUGUDA-RAIGARH	4	0	531	0.0	8.4	-8.4
5 400 kV	RANCHI-SIPAT	2	120	189	0.0	1.0	-1.0
6 220 kV	BUDHIPADAR-RAIGARH	1	0	185	0.0	3.1	-3.1
7 220 kV	BUDHIPADAR-KORBA	2	59	41	0.3	0.0	0.3
Import/Furrent of FD (Wish CD)			ER-WR	17.6	18.9	-1.3
Import/Export of ER (1 HVDC	JEYPORE-GAZUWAKA B/B	2	1 0	535	0.0	12.3	-12.3
2 HVDC	TALCHER-KOLAR BIPOLE	2	0	2475	0.0	48.9	-48.9
3 765 kV	ANGUL-SRIKAKULAM	2	0	2915	0.0	55.8	-55.8
4 400 kV 5 220 kV	TALCHER-I/C BALIMELA-UPPER-SILERRU	2	0	685 0	0.0	3.7 0.0	-3.7 0.0
				ER-SR	0.0	117.1	-117.1
Import/Export of ER (
1 400 kV	BINAGURI-BONGAIGAON	2	413	0	7.1	0.0	7.1
2 400 kV 3 220 kV	ALIPURDUAR-BONGAIGAON ALIPURDUAR-SALAKATI	2 2	700 69	0	11.6 1.2	0.0	11.6 1.2
				ER-NER	19.9	0.0	19.9
Import/Export of NER	(With NR)						
1 HVDC	BISWANATH CHARIALI-AGRA	2	470	0 NER-NR	11.4 11.4	0.0	11.4 11.4
Import/Export of WR	(With NR)			TER-TIK	11.4	0.0	11.4
1 HVDC	CHAMPA-KURUKSHETRA	2	0	0	0.0	0.0	0.0
2 HVDC	VINDHYACHAL B/B		241	0	6.0	0.0	6.0
3 HVDC 4 765 kV	MUNDRA-MOHINDERGARH GWALIOR-AGRA	2	0	1922 2001	0.0	37.6 30.4	-37.6 -30.4
5 765 kV	PHAGI-GWALIOR	2	0	1218	0.0	21.3	-21.3
6 765 kV	JABALPUR-ORAI	2	0	837	0.0	27.3	-27.3
7 765 kV	GWALIOR-ORAI	1	574	0	11.0	0.0	11.0
8 765 kV 9 765 kV	SATNA-ORAI CHITORGARH-BANASKANTHA	1 2	0 847	1217 210	0.0 8.0	24.6 0.0	-24.6 8.0
10 400 kV	ZERDA-KANKROLI	1	296	0	3.9	0.0	3.9
11 400 kV	ZERDA -BHINMAL	1	553	64	5.9	0.0	5.9
12 400 kV 13 400 kV	VINDHYACHAL -RIHAND RAPP-SHUJALPUR	1 2	995 78	0	22.8	0.0	22.8
14 220 kV	BHANPURA-RANPUR	1	0	261 129	0.0	2.4 0.0	-2.4 0.0
15 220 kV	BHANPURA-MORAK	1	0	30	0.0	0.0	0.0
16 220 kV	MEHGAON-AURAIYA	1	139	0	1.8	2.1	-0.4
17 220 kV 18 132 kV	MALANPUR-AURAIYA GWALIOR-SAWAI MADHOPUR	1	89	0	1.3 0.0	0.0	1.3 0.0
19 132 kV	RAJGHAT-LALITPUR	2	0	0	0.0	1.1	-1.1
				WR-NR	60.7	146.9	-86.2
Import/Export of WR				1012		12.5	12.5
1 HVDC 2 HVDC	BHADRAWATI B/B RAIGARH-PUGALUR	2	0	1012 1513	0.0	13.7 38.3	-13.7 -38.3
3 765 kV	SOLAPUR-RAICHUR	2	257	1985	0.0	27.0	-27.0
4 765 kV	WARDHA-NIZAMABAD	2	0	2976	0.0	52.2	-52.2
5 400 kV	KOLHAPUR-KUDGI	2 2	1076	0	14.7	0.0	14.7
6 220 kV 7 220 kV	KOLHAPUR-CHIKODI PONDA-AMBEWADI	1	0	0	0.0	0.0	0.0
8 220 kV	XELDEM-AMBEWADI	1	1	84	1.3	0.0	1.3
				WR-SR	16.0	131.1	-115.2
		INTER	NATIONAL EXCHA	NGES			
State	Region	Line	Name	Max (MW)	Min (MW)	Avg (MW)	Energy Exchange
-	1	400kV MANGDECHE	IU-ALIPURDUAR 1&2			- ' '	(MU)
İ	ER	i.e. ALIPURDUAR RE	CCEIPT (from	226	0	103	2.5
İ	<u> </u>	MANGDECHU HEP 4 400kV TALA-BINAGO	1*180MW)			 	
İ	ER	MALBASE - BINAGU	IRI) i.e. BINAGURI	50	42	50	1.4
İ		RECEIPT (from TAL	A HEP (6*170MW)				
BHUTAN ER		220kV CHUKHA-BIR MALBASE - BIRPAR			0	.25	.0.4
		MALBASE - BIRPARA) i.e. BIRPARA RECEIPT (from CHUKHA HEP 4*84MW)		5	J	-25	-0.6
İ				2-	4.		
NER		132KV-GEYLEGPHU	- SALAKATI	37	14	24	0.6
		t					
1	NER	132kV Motanga-Rang	ia	24	1	11	0.3
-	1	124777 m 1277	ATTEN				
1	NR	132KV-TANAKPUR(NH) - MAHENDRANAGAR(PG)		0	0	0	-1.7
İ	ļ					1	
1	ER	400KV-MUZAFFARP	UR - DHALKEBAR	-359	-252	-325	-7.8
İ	ļ	DC				.=-	
NEPAL ER 132KV-BIHAR - NEPAL		AL.	-234	-87	-143	-3.4	
, and an	i.R	- Jan - Janak - HEF		-234	-0/	-143	-3.4
İ		DHEDAMARA	VBANCI ADPOID	0.5-	0	97.	4
İ	ER	BHERAMARA HVDC	(BANGLADESH)	-857	-832	-854	-20.5
İ		132KV-SURAJMANI	NAGAR -			İ	
BANGLADESH	NER	COMILLA(BANGLA)		79	0	-60	-1.4
1	}	132KV-SURAJMANI					
	NER			78	0	-60	-1.4
	NER	COMILLA(BANGLA)		78	0	-60	-1.4