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, कुतुब इन्स्टीट्यूशनल एरिया, कटवारिया सराये, न्यू दिल्ली-110016

Ref: POSOCO/NLDC/SO/Daily PSP Report

दिनांक: 8th 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., 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 07.03.2021.

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 07-मार्च-2021 की अखिल भारतीय प्रणाली की दैनिक ग्रिड निष्पादन रिपोर्ट रा०भा०प्रे०के० 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 7th 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:** **08-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)	44684	52784	43123	21017	2246	163854
Peak Shortage (MW)	570	0	0	0	139	709
Energy Met (MU)	984	1289	1111	427	39	3850
Hydro Gen (MU)	110	35	75	30	9	260
Wind Gen (MU)	33	91	30	-	-	154
Solar Gen (MU)*	42.68	39.60	110.89	4.97	0.18	198
Energy Shortage (MU)	10.15	0.00	0.00	0.00	2.66	12.81
Maximum Demand Met During the Day (MW) (From NLDC SCADA)	47842	57455	52382	21127	2524	175171
Time Of Maximum Demand Met (From NLDC SCADA)	09:44	11:19	10:48	18:51	18:08	09:44

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	0.029	0.00	0.00	1.11	1.11	72.90	25.99

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	6413	0	118.4	61.3	-3.1	59	0.00
	Haryana	5772	0	121.8	74.6	0.0	200	0.00
	Rajasthan	13159	0	256.6	71.7	2.7	487	0.15
	Delhi	3209	0	59.9	45.2	-2.3	127	0.00
	UP	16860	0	310.3	105.5	0.8	485	0.00
	Uttarakhand	1829	0	35.3	18.6	1.0	148	0.00
	HP	1514	0	28.4	23.8	0.3	221	0.00
	J&K(UT) & Ladakh(UT)	2556	500	50.3	42.5	0.8	257	10.00
	Chandigarh	167	0	2.9	2.7	0.2	43	0.00
WR	Chhattisgarh	4484	0	105.3	48.8	0.5	355	0.00
	Gujarat	16519	0	365.8	126.7	-5.4	580	0.00
	MP	12413	0	248.6	140.5	-2.3	352	0.00
	Maharashtra	23744	0	515.5	162.7	-4.0	742	0.00
	Goa	482	0	10.1	10.2	-0.5	50	0.00
	DD	321	0	7.2	6.9	0.3	31	0.00
	DNH	841	0	19.8	19.7	0.1	21	0.00
	AMNSIL	751	0	16.6	3.4	-0.2	225	0.00
SR	Andhra Pradesh	10824	0	208.4	72.8	1.1	437	0.00
	Telangana	12699	0	261.2	145.6	1.3	707	0.00
	Karnataka	12404	0	245.1	82.0	1.6	560	0.00
	Kerala	3870	0	76.8	50.3	1.0	226	0.00
	Tamil Nadu	14230	0	311.7	179.6	-1.7	333	0.00
	Puducherry	333	0	7.3	7.4	-0.1	29	0.00
ER	Bihar	4777	0	88.3	78.0	0.8	253	0.00
	DVC	3077	0	66.1	-60.8	-1.1	225	0.00
	Jharkhand	1430	0	26.7	20.6	-2.4	51	0.00
	Odisha	4886	0	100.0	35.4	1.2	423	0.00
	West Bengal	7343	0	144.8	10.6	0.1	312	0.00
	Sikkim	106	0	1.5	1.6	0.0	76	0.00
NER	Arunachal Pradesh	119	1	2.2	2.3	-0.2	15	0.01
	Assam	1339	52	22.1	17.1	0.0	85	1.50
	Manipur	197	1	2.4	2.6	-0.2	42	0.01
	Meghalaya	292	30	5.1	4.2	-0.2	55	1.12
	Mizoram	106	1	1.6	1.2	0.1	48	0.01
	Nagaland	131	2	2.2	1.8	0.3	7	0.01
	Tripura	235	1	3.4	3.2	-0.1	66	0.00

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

	Bhutan	Nepal	Bangladesh
Actual (MU)	4.8	-14.9	-23.5
Day Peak (MW)	417.0	-754.8	-1031.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	160.1	-215.8	176.3	-113.7	-6.8	0.0
Actual(MU)	161.1	-227.4	185.9	-118.3	-5.8	-4.5
O/D/U/D(MU)	1.0	-11.6	9.6	-4.6	1.1	-4.5

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	TOTAL	% Share
Central Sector	6050	15868	8272	2208	584	32982	45
State Sector	14432	15418	6012	4277	11	40149	55
Total	20482	31285	14284	6485	595	73131	100

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India	% Share
Coal	549	1312	609	542	12	3024	76
Lignite	28	9	38	0	0	75	2
Hydro	110	35	75	30	9	260	7
Nuclear	23	21	24	0	0	68	2
Gas, Naptha & Diesel	30	34	16	0	30	110	3
RES (Wind, Solar, Biomass & Others)	103	131	178	5	0	417	11
Total	843	1543	939	577	51	3953	100

Share of RES in total generation (%)	12.24	8.52	18.90	0.85	0.35	10.55
Share of Non-fossil fuel (Hydro,Nuclear and RES) in total generation(%)	28.03	12.19	29.40	6.07	18.43	18.84

H. All India Demand Diversity Factor

Based on Regional Max Demands	1.035
Based on State Max Demands	1.081

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: 08-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	249	0.0	6.0	-6.0
3	765 kV	GAYA-VARANASI	2	0	668	0.0	9.8	-9.8
4	765 kV	SASARAM-FATEHPUR	1	0	340	0.0	5.6	-5.6
5	765 kV	GAYA-BALIA	1	0	459	0.0	7.1	-7.1
6	400 kV	PUSAULI-VARANASI	1	0	205	0.0	4.3	-4.3
7	400 kV	PUSAULI -ALLAHABAD	1	0	96	0.0	1.7	-1.7
8	400 kV	MUZAFFARPUR-GORAKHPUR	2	0	714	0.0	10.8	-10.8
9	400 kV	PATNA-BALIA	4	0	1164	0.0	21.2	-21.2
10	400 kV	BIHARSHARIFF-BALIA	2	0	515	0.0	9.0	-9.0
11	400 kV	MOTIHARI-GORAKHPUR	2	0	303	0.0	5.5	-5.5
12	400 kV	BIHARSHARIFF-VARANASI	2	0	253	0.0	3.4	-3.4
13	220 kV	PUSAULI-SAHUPURI	1	27	79	0.0	0.8	-0.8
14	132 kV	SONE NAGAR-RIHAND	1	0	0	0.0	0.0	0.0
15	132 kV	GARWAH-RIHAND	1	20	0	0.4	0.0	0.4
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	0.4	85.1	-84.7
Import/Export of ER (With WR)								
1	765 kV	JHARSUGUDA-DHARAMJAIGARH	4	1475	0	26.6	0.0	26.6
2	765 kV	NEW RANCHI-DHARAMJAIGARH	2	534	746	0.0	4.3	-4.3
3	765 kV	JHARSUGUDA-DURG	2	28	192	0.0	2.4	-2.4
4	400 kV	JHARSUGUDA-RAIGARH	4	3	279	0.0	3.6	-3.6
5	400 kV	RANCHI-SIPAT	2	99	273	0.0	2.8	-2.8
6	220 kV	BUDHIPADAR-RAIGARH	1	0	175	0.0	3.3	-3.3
7	220 kV	BUDHIPADAR-KORBA	2	64	16	0.5	0.0	0.5
					ER-WR	27.1	16.4	10.8
Import/Export of ER (With SR)								
1	HVDC	JEYPORE-GAZUWAKA B/B	2	0	538	0.0	10.3	-10.3
2	HVDC	TALCHER-KOLAR BIPOLE	2	0	2470	0.0	47.8	-47.8
3	765 kV	ANGUL-SRIKAKULAM	2	0	2881	0.0	55.3	-55.3
4	400 kV	TALCHER-I/C	2	560	682	0.0	2.8	-2.8
5	220 kV	BALIMELA-UPPER-SILERRU	1	1	0	0.0	0.0	0.0
					ER-SR	0.0	113.4	-113.4
Import/Export of ER (With NER)								
1	400 kV	BINAGURI-BONGAIGAON	2	363	0	6.0	0.0	6.0
2	400 kV	ALIPURDUAR-BONGAIGAON	2	607	0	10.3	0.0	10.3
3	220 kV	ALIPURDUAR-SALAKATI	2	59	0	1.0	0.0	1.0
					ER-NER	17.3	0.0	17.3
Import/Export of NER (With NR)								
1	HVDC	BISWANATH CHARIALI-AGRA	2	469	0	11.6	0.0	11.6
					NER-NR	11.6	0.0	11.6
Import/Export of WR (With NR)								
1	HVDC	CHAMPA-KURUKSHETRA	2	0	499	0.0	10.6	-10.6
2	HVDC	VINDHYACHAL B/B	-	241	0	6.0	0.0	6.0
3	HVDC	MUNDRA-MOHINDERGARH	2	0	1456	0.0	31.3	-31.3
4	765 kV	GWALIOR-AGRA	2	0	1977	0.0	28.5	-28.5
5	765 kV	PHAGI-GWALIOR	2	0	1014	0.0	17.1	-17.1
6	765 kV	JABALPUR-ORAI	2	0	775	0.0	24.5	-24.5
7	765 kV	GWALIOR-ORAI	1	556	0	10.9	0.0	10.9
8	765 kV	SATNA-ORAI	1	0	1299	0.0	24.5	-24.5
9	765 kV	CHITORGARH-BANASKANTHA	2	307	566	0.0	1.9	-1.9
10	400 kV	ZERDA-KANKROLI	1	210	38	2.2	0.0	2.2
11	400 kV	ZERDA -BHINMAL	1	409	124	3.4	0.0	3.4
12	400 kV	VINDHYACHAL -RIHAND	1	973	0	22.5	0.0	22.5
13	400 kV	RAPP-SHUJALPUR	2	84	328	0.0	1.7	-1.7
14	220 kV	BHANPURA-RANPUR	1	0	155	0.0	2.3	-2.3
15	220 kV	BHANPURA-MORAK	1	0	30	0.0	1.9	-1.9
16	220 kV	MEHGAON-AURAIYA	1	139	0	1.1	0.0	1.1
17	220 kV	MALANPUR-AURAIYA	1	89	0	2.2	0.0	2.2
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	48.3	144.4	-96.2
Import/Export of WR (With SR)								
1	HVDC	BHADRAWATI B/B	-	0	1016	0.0	20.4	-20.4
2	HVDC	RAIGARH-PUGALUR	2	0	1513	0.0	39.0	-39.0
3	765 kV	SOLAPUR-RAICHUR	2	5	1903	0.0	24.9	-24.9
4	765 kV	WARDHA-NIZAMABAD	2	0	2782	0.0	50.0	-50.0
5	400 kV	KOLHAPUR-KUDGI	2	875	0	12.2	0.0	12.2
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	80	1.6	0.0	1.6
					WR-SR	13.7	134.3	-120.5

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 MANGDECHU HEP 4*180MW)	199	0	92	2.2
	ER	400kV TALA-BINAGURI 1,2,4 (& 400kV MALBASE - BINAGURI) i.e. BINAGURI RECEIPT (from TALA HEP (6*170MW)	117	59	112	2.7
	ER	220kV CHUKHA-BIRPARA 1&2 (& 220kV MALBASE - BIRPARA) i.e. BIRPARA RECEIPT (from CHUKHA HEP 4*84MW)	52	0	-3	-0.1
	NER	132KV-GEYLEGPHU - SALAKATI	34	15	22	0.5
	NER	132kV Motanga-Rangia	15	0	7	0.2
NEPAL	NR	132KV-TANAKPUR(NH) - MAHENDRANAGAR(PG)	-83	0	-76	-1.8
	ER	400KV-MUZAFFARPUR - DHALKEBAR DC	-369	-278	-337	-8.1
	ER	132KV-BIHAR - NEPAL	-303	-106	-210	-5.0
BANGLADESH	ER	BHERAMARA HVDC(BANGLADESH)	-857	0	-840	-20.2
	NER	132KV-SURAJMANI NAGAR - COMILLA(BANGLADESH)-1	87	0	-70	-1.7
	NER	132KV-SURAJMANI NAGAR - COMILLA(BANGLADESH)-2	87	0	-70	-1.7