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: 9th 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 08.03.2021.

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 08-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 8th 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:** **09-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)	47328	56370	47218	21727	2493	175136
Peak Shortage (MW)	1573	0	0	0	94	1667
Energy Met (MU)	1001	1330	1162	442	41	3976
Hydro Gen (MU)	109	58	89	33	8	297
Wind Gen (MU)	10	68	49	-	-	127
Solar Gen (MU)*	43.08	38.76	110.45	4.55	0.21	197
Energy Shortage (MU)	12.85	0.00	0.00	0.00	2.16	15.01
Maximum Demand Met During the Day (MW) (From NLDC SCADA)	49497	59627	55937	22007	2650	181680
Time Of Maximum Demand Met (From NLDC SCADA)	19:40	11:34	11:54	18:37	18:01	11:16

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	0.044	0.00	1.08	9.11	10.18	79.13	10.68

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	5961	0	117.3	54.9	-0.4	129	0.00
	Haryana	6187	0	131.1	78.1	0.0	126	0.00
	Rajasthan	13278	185	257.7	95.5	1.9	402	1.65
	Delhi	3439	0	65.4	50.0	-2.0	103	0.00
	UP	17454	0	310.6	109.5	-2.3	359	0.82
	Uttarakhand	1867	0	36.3	20.3	0.6	185	0.31
	HP	1576	0	29.2	23.6	0.4	129	0.07
	J&K(UT) & Ladakh(UT)	2522	500	50.2	43.1	0.0	252	10.00
	Chandigarh	197	0	3.3	3.2	0.0	13	0.00
WR	Chhattisgarh	4556	0	106.9	50.5	0.8	241	0.00
	Gujarat	17938	0	383.6	128.2	1.5	685	0.00
	MP	12482	0	250.6	132.6	-1.7	549	0.00
	Maharashtra	24951	0	530.9	159.6	-1.1	815	0.00
	Goa	553	0	11.5	11.1	-0.1	68	0.00
	DD	343	0	7.5	7.2	0.3	55	0.00
	DNH	869	0	20.0	19.9	0.1	31	0.00
	AMNSIL	860	0	18.6	1.3	0.3	258	0.00
SR	Andhra Pradesh	10778	0	210.3	66.6	0.3	446	0.00
	Telangana	13037	0	267.0	147.0	0.0	569	0.00
	Karnataka	13073	0	259.8	78.0	-0.8	530	0.00
	Kerala	4112	0	84.3	55.1	-0.1	284	0.00
	Tamil Nadu	15733	0	333.1	195.3	-0.4	719	0.00
	Puducherry	383	0	7.8	8.0	-0.2	31	0.00
ER	Bihar	4968	0	88.9	77.7	1.8	367	0.00
	DVC	3109	0	66.9	-53.1	0.0	448	0.00
	Jharkhand	1443	0	26.9	19.7	-1.2	110	0.00
	Odisha	5002	0	101.8	28.5	-0.9	316	0.00
	West Bengal	8097	0	156.3	18.2	-0.5	575	0.00
	Sikkim	92	0	1.2	1.7	-0.5	13	0.00
NER	Arunachal Pradesh	124	1	2.3	2.0	0.2	35	0.01
	Assam	1460	23	24.3	19.1	0.5	147	1.00
	Manipur	205	1	2.5	2.7	-0.2	15	0.01
	Meghalaya	345	0	5.3	4.1	0.0	56	1.12
	Mizoram	105	1	1.3	1.3	-0.3	28	0.01
	Nagaland	125	2	2.3	2.0	0.1	16	0.01
	Tripura	247	1	3.3	3.0	-0.7	27	0.00

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

	Bhutan	Nepal	Bangladesh
Actual (MU)	5.2	-13.1	-23.6
Day Peak (MW)	423.0	-639.1	-998.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	194.7	-250.3	184.1	-122.9	-5.6	0.0
Actual(MU)	190.4	-253.5	181.6	-118.5	-4.6	-4.6
O/D/U/D(MU)	-4.3	-3.2	-2.5	4.4	1.0	-4.6

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	TOTAL	% Share
Central Sector	6050	15323	7272	2208	584	31437	45
State Sector	13702	14918	6432	2907	11	37969	55
Total	19752	30240	13704	5115	595	69406	100

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India	% Share
Coal	563	1371	628	560	13	3135	77
Lignite	27	8	39	0	0	74	2
Hydro	109	58	89	33	8	297	7
Nuclear	22	21	29	0	0	72	2
Gas, Naptha & Diesel	30	40	16	0	30	117	3
RES (Wind, Solar, Biomass & Others)	80	108	195	5	0	388	10
Total	832	1606	995	597	52	4082	100

Share of RES in total generation (%)	9.64	6.73	19.59	0.76	0.40	9.50
Share of Non-fossil fuel (Hydro,Nuclear and RES) in total generation(%)	25.48	11.65	31.35	6.35	16.07	18.55

H. All India Demand Diversity Factor

Based on Regional Max Demands	1.044
Based on State Max Demands	1.087

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: 09-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	667	0.0	9.2	-9.2
4	765 kV	SASARAM-FATEHPUR	1	0	338	0.0	5.1	-5.1
5	765 kV	GAYA-BALIA	1	0	450	0.0	7.8	-7.8
6	400 kV	PUSAULI-VARANASI	1	0	200	0.0	4.4	-4.4
7	400 kV	PUSAULI -ALLAHABAD	1	0	95	0.0	1.6	-1.6
8	400 kV	MUZAFFARPUR-GORAKHPUR	2	0	602	0.0	10.1	-10.1
9	400 kV	PATNA-BALIA	4	0	1064	0.0	20.8	-20.8
10	400 kV	BIHARSHARIFF-BALIA	2	0	495	0.0	9.4	-9.4
11	400 kV	MOTIHARI-GORAKHPUR	2	0	299	0.0	4.8	-4.8
12	400 kV	BIHARSHARIFF-VARANASI	2	0	241	0.0	3.0	-3.0
13	220 kV	PUSAULI-SAHUPURI	1	27	95	0.0	0.9	-0.9
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	83.0	-82.6
Import/Export of ER (With WR)								
1	765 kV	JHARSUGUDA-DHARAMJAIGARH	4	1261	0	19.9	0.0	19.9
2	765 kV	NEW RANCHI-DHARAMJAIGARH	2	714	613	0.0	0.6	-0.6
3	765 kV	JHARSUGUDA-DURG	2	33	229	0.0	2.7	-2.7
4	400 kV	JHARSUGUDA-RAIGARH	4	31	300	0.0	3.6	-3.6
5	400 kV	RANCHI-SIPAT	2	141	223	0.0	1.4	-1.4
6	220 kV	BUDHIPADAR-RAIGARH	1	0	170	0.0	3.3	-3.3
7	220 kV	BUDHIPADAR-KORBA	2	71	0	0.8	0.0	0.8
					ER-WR	20.7	11.5	9.2
Import/Export of ER (With SR)								
1	HVDC	JEYPORE-GAZUWAKA B/B	2	0	538	0.0	12.4	-12.4
2	HVDC	TALCHER-KOLAR BIPOLE	2	0	2475	0.0	45.9	-45.9
3	765 kV	ANGUL-SRIKAKULAM	2	0	2779	0.0	54.0	-54.0
4	400 kV	TALCHER-I/C	2	273	650	0.0	0.8	-0.8
5	220 kV	BALIMELA-UPPER-SILERRU	1	1	0	0.0	0.0	0.0
					ER-SR	0.0	112.3	-112.3
Import/Export of ER (With NER)								
1	400 kV	BINAGURI-BONGAIGAON	2	344	0	5.3	0.0	5.3
2	400 kV	ALIPURDUAR-BONGAIGAON	2	597	0	9.2	0.0	9.2
3	220 kV	ALIPURDUAR-SALAKATI	2	53	0	0.9	0.0	0.9
					ER-NER	15.4	0.0	15.4
Import/Export of NER (With NR)								
1	HVDC	BISWANATH CHARIALI-AGRA	2	470	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	1504	0.0	31.0	-31.0
2	HVDC	VINDHYACHAL B/B	-	241	0	6.0	0.0	6.0
3	HVDC	MUNDRA-MOHINDERGARH	2	0	1457	0.0	32.2	-32.2
4	765 kV	GWALIOR-AGRA	2	0	2309	0.0	32.6	-32.6
5	765 kV	PHAGI-GWALIOR	2	0	1280	0.0	20.7	-20.7
6	765 kV	JABALPUR-ORAI	2	0	863	0.0	26.4	-26.4
7	765 kV	GWALIOR-ORAI	1	606	0	11.7	0.0	11.7
8	765 kV	SATNA-ORAI	1	0	1294	0.0	24.9	-24.9
9	765 kV	CHITORGARH-BANASKANTHA	2	414	324	0.5	0.0	0.5
10	400 kV	ZERDA-KANKROLI	1	161	8	1.8	0.0	1.8
11	400 kV	ZERDA -BHINMAL	1	183	163	0.8	0.0	0.8
12	400 kV	VINDHYACHAL -RIHAND	1	978	0	22.6	0.0	22.6
13	400 kV	RAPP-SHUJALPUR	2	0	461	0.0	4.4	-4.4
14	220 kV	BHANPURA-RANPUR	1	0	172	0.0	0.0	0.0
15	220 kV	BHANPURA-MORAK	1	0	30	0.0	0.0	0.0
16	220 kV	MEHGAON-AURAIYA	1	135	0	2.3	2.0	0.4
17	220 kV	MALANPUR-AURAIYA	1	85	9	2.0	0.0	2.0
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	0.9	-0.9
					WR-NR	47.8	175.2	-127.4
Import/Export of WR (With SR)								
1	HVDC	BHADRAWATI B/B	-	0	1016	0.0	17.3	-17.3
2	HVDC	RAIGARH-PUGALUR	2	0	1262	0.0	40.8	-40.8
3	765 kV	SOLAPUR-RAICHUR	2	528	1980	0.0	22.9	-22.9
4	765 kV	WARDHA-NIZAMABAD	2	0	3057	0.0	49.8	-49.8
5	400 kV	KOLHAPUR-KUDGI	2	1009	0	12.3	0.0	12.3
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	XELDEM-AMBEWADI	1	0	90	1.7	0.0	1.7
					WR-SR	14.0	130.7	-116.7

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)	140	0	98	2.3
	ER	400kV TALA-BINAGURI 1,2,4 (& 400kV MALBASE - BINAGURI) i.e. BINAGURI RECEIPT (from TALA HEP (6*170MW)	202	0	117	2.8
	ER	220kV CHUKHA-BIRPARA 1&2 (& 220kV MALBASE - BIRPARA) i.e. BIRPARA RECEIPT (from CHUKHA HEP 4*84MW)	37	16	-23	-0.6
	NER	132KV-GEYLEGPHU - SALAKATI	35	14	17	0.4
	NER	132kV Motanga-Rangia	9	7	9	0.2
NEPAL	NR	132KV-TANAKPUR(NH) - MAHENDRANAGAR(PG)	0	0	0	0.0
	ER	400KV-MUZAFFARPUR - DHALKEBAR DC	-372	-266	-330	-7.9
	ER	132KV-BIHAR - NEPAL	-267	-107	-215	-5.2
BANGLADESH	ER	BHERAMARA HVDC(BANGLADESH)	-858	0	-853	-20.5
	NER	132KV-SURAJMANI NAGAR - COMILLA(BANGLADESH)-1	70	0	-65	-1.6
	NER	132KV-SURAJMANI NAGAR - COMILLA(BANGLADESH)-2	70	0	-65	-1.6