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: 5th 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 04.03.2021.

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 04-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 4th 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:** **05-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)	49355	55487	45922	20595	2480	173839
Peak Shortage (MW)	620	0	0	0	90	710
Energy Met (MU)	1050	1316	1132	419	43	3961
Hydro Gen (MU)	113	51	70	33	9	275
Wind Gen (MU)	8	36	62	-	-	106
Solar Gen (MU)*	49.32	39.53	112.47	4.87	0.19	206
Energy Shortage (MU)	10.64	0.00	0.00	0.00	2.10	12.74
Maximum Demand Met During the Day (MW) (From NLDC SCADA)	50798	60389	54029	20767	2665	182534
Time Of Maximum Demand Met (From NLDC SCADA)	19:28	11:15	10:56	19:19	18:02	09:43

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	0.036	0.00	0.00	6.47	6.47	76.41	17.12

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	6814	0	143.8	66.2	-0.3	136	0.38
	Haryana	6916	0	143.3	88.4	1.0	203	0.00
	Rajasthan	13547	0	263.6	82.7	1.4	352	0.00
	Delhi	3434	0	62.6	47.6	-1.7	85	0.00
	UP	17397	0	313.4	101.7	-0.1	639	0.26
	Uttarakhand	2005	0	38.0	21.4	0.7	112	0.00
	HP	1762	0	31.5	26.5	0.3	252	0.00
	J&K(UT) & Ladakh(UT)	2454	500	50.3	44.3	-0.2	297	10.00
	Chandigarh	191	0	3.2	3.1	0.0	21	0.00
WR	Chhattisgarh	4596	0	102.3	55.3	1.3	266	0.00
	Gujarat	17430	0	376.1	137.4	1.9	658	0.00
	MP	12918	0	257.6	146.1	-2.7	319	0.00
	Maharashtra	24802	0	526.1	169.5	-1.7	664	0.00
	Goa	524	0	11.4	11.1	-0.3	24	0.00
	DD	345	0	7.8	7.5	0.3	24	0.00
	DNH	872	0	20.3	20.2	0.1	32	0.00
	AMNSIL	654	0	13.9	1.5	0.1	212	0.00
SR	Andhra Pradesh	10703	0	204.6	68.4	-0.3	503	0.00
	Telangana	13302	0	265.6	144.8	-0.1	521	0.00
	Karnataka	13231	0	249.5	90.1	-1.6	477	0.00
	Kerala	3582	0	80.1	57.4	0.1	244	0.00
	Tamil Nadu	15266	0	324.9	195.4	-3.1	658	0.00
	Puducherry	375	0	7.8	7.8	-0.1	33	0.00
ER	Bihar	4590	0	86.6	69.3	2.6	506	0.00
	DVC	3160	0	67.0	-53.4	-0.7	520	0.00
	Jharkhand	1423	0	27.9	19.7	-0.5	97	0.00
	Odisha	4441	0	87.3	17.6	-0.3	318	0.00
	West Bengal	7686	0	149.3	23.5	0.0	277	0.00
	Sikkim	123	0	1.4	0.8	0.6	83	0.00
NER	Arunachal Pradesh	121	4	2.1	2.2	-0.2	27	0.00
	Assam	1475	20	25.5	20.4	0.8	73	0.90
	Manipur	217	6	2.7	2.8	-0.1	18	0.03
	Meghalaya	289	35	5.3	3.9	0.0	46	1.09
	Mizoram	97	3	1.6	1.3	0.0	16	0.07
	Nagaland	143	5	2.0	2.1	-0.2	12	0.01
	Tripura	235	0	4.2	3.0	-0.3	21	0.00

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

	Bhutan	Nepal	Bangladesh
Actual (MU)	4.1	-14.6	-21.2
Day Peak (MW)	540.0	-721.0	-905.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	195.0	-204.1	166.7	-155.6	-2.1	0.0
Actual(MU)	194.1	-195.8	151.9	-155.3	-0.7	-5.7
O/D/U/D(MU)	-0.9	8.3	-14.7	0.3	1.4	-5.7

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	TOTAL	% Share
Central Sector	5900	16318	5472	1608	559	29857	46
State Sector	11717	13675	7032	3097	11	35532	54
Total	17617	29993	12504	4705	570	65388	100

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India	% Share
Coal	600	1324	609	573	12	3119	77
Lignite	25	11	35	0	0	71	2
Hydro	113	51	70	33	9	275	7
Nuclear	23	21	47	0	0	91	2
Gas, Naptha & Diesel	30	51	17	0	29	127	3
RES (Wind, Solar, Biomass & Others)	84	77	211	5	0	377	9
Total	876	1535	989	611	49	4060	100

Share of RES in total generation (%)	9.60	5.01	21.37	0.79	0.39	9.29
Share of Non-fossil fuel (Hydro,Nuclear and RES) in total generation(%)	25.15	9.70	33.12	6.13	18.03	18.30

H. All India Demand Diversity Factor

Based on Regional Max Demands	1.033
Based on State Max Demands	1.080

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: 05-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	-	3	251	0.0	3.4	-3.4
3	765 kV	GAYA-VARANASI	2	0	821	0.0	12.8	-12.8
4	765 kV	SASARAM-FATEHPUR	1	0	437	0.0	7.4	-7.4
5	765 kV	GAYA-BALIA	1	0	457	0.0	7.5	-7.5
6	400 kV	PUSAULI-VARANASI	1	0	176	0.0	1.7	-1.7
7	400 kV	PUSAULI -ALLAHABAD	1	14	116	0.0	1.6	-1.6
8	400 kV	MUZAFFARPUR-GORAKHPUR	2	0	691	0.0	11.1	-11.1
9	400 kV	PATNA-BALIA	4	0	1053	0.0	19.9	-19.9
10	400 kV	BIHARSHARIFF-BALIA	2	0	417	0.0	8.2	-8.2
11	400 kV	MOTIHARI-GORAKHPUR	2	0	305	0.0	5.5	-5.5
12	400 kV	BIHARSHARIFF-VARANASI	2	0	288	0.0	4.2	-4.2
13	220 kV	PUSAULI-SAHUPURI	1	26	119	0.0	1.1	-1.1
14	132 kV	SONE NAGAR-RIHAND	1	0	0	0.0	0.0	0.0
15	132 kV	GARWAH-RIHAND	1	20	0	0.7	0.0	0.7
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	0.7	84.4	-83.7
Import/Export of ER (With WR)								
1	765 kV	JHARSUGUDA-DHARAMJAIGARH	4	342	619	0.6	0.0	0.6
2	765 kV	NEW RANCHI-DHARAMJAIGARH	2	484	894	0.0	6.9	-6.9
3	765 kV	JHARSUGUDA-DURG	2	0	420	0.0	7.0	-7.0
4	400 kV	JHARSUGUDA-RAIGARH	4	0	615	0.0	10.2	-10.2
5	400 kV	RANCHI-SIPAT	2	88	322	0.0	3.8	-3.8
6	220 kV	BUDHIPADAR-RAIGARH	1	0	177	0.0	3.1	-3.1
7	220 kV	BUDHIPADAR-KORBA	2	50	73	0.0	0.1	-0.1
					ER-WR	0.6	31.1	-30.5
Import/Export of ER (With SR)								
1	HVDC	JEYPORE-GAZUWAKA B/B	2	0	642	0.0	14.5	-14.5
2	HVDC	TALCHER-KOLAR BIPOLE	2	0	1492	0.0	29.4	-29.4
3	765 kV	ANGUL-SRIKAKULAM	2	0	2888	0.0	58.2	-58.2
4	400 kV	TALCHER-I/C	2	1759	0	15.6	0.0	15.6
5	220 kV	BALIMELA-UPPER-SILERRU	1	1	0	0.0	0.0	0.0
					ER-SR	0.0	102.0	-102.0
Import/Export of ER (With NER)								
1	400 kV	BINAGURI-BONGAIGAON	2	304	0	4.2	0.0	4.2
2	400 kV	ALIPURDUAR-BONGAIGAON	2	538	0	6.9	0.0	6.9
3	220 kV	ALIPURDUAR-SALAKATI	2	50	0	0.6	0.0	0.6
					ER-NER	11.7	0.0	11.7
Import/Export of NER (With NR)								
1	HVDC	BISWANATH CHARIALI-AGRA	2	468	0	11.7	0.0	11.7
					NER-NR	11.7	0.0	11.7
Import/Export of WR (With NR)								
1	HVDC	CHAMPA-KURUKSHETRA	2	0	2009	0.0	47.8	-47.8
2	HVDC	VINDHYACHAL B/B	-	242	0	6.1	0.0	6.1
3	HVDC	MUNDRA-MOHINDERGARH	2	0	1500	0.0	31.4	-31.4
4	765 kV	GWALIOR-AGRA	2	0	2017	0.0	28.4	-28.4
5	765 kV	PHAGI-GWALIOR	2	0	1162	0.0	21.0	-21.0
6	765 kV	JABALPUR-ORAI	2	0	854	0.0	26.6	-26.6
7	765 kV	GWALIOR-ORAI	1	615	0	11.7	0.0	11.7
8	765 kV	SATNA-ORAI	1	0	1203	0.0	23.9	-23.9
9	765 kV	CHITORGARH-BANASKANTHA	2	876	5	5.6	0.0	5.6
10	400 kV	ZERDA-KANKROLI	1	242	17	3.3	0.0	3.3
11	400 kV	ZERDA -BHINMAL	1	305	126	2.5	0.0	2.5
12	400 kV	VINDHYACHAL -RIHAND	1	981	0	22.6	0.0	22.6
13	400 kV	RAPP-SHUJALPUR	2	91	385	0.2	2.7	-2.5
14	220 kV	BHANPURA-RANPUR	1	3	128	0.0	0.1	-0.1
15	220 kV	BHANPURA-MORAK	1	0	30	0.0	0.0	0.0
16	220 kV	MEHGAON-AURAIYA	1	137	0	2.3	0.0	2.3
17	220 kV	MALANPUR-AURAIYA	1	89	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	1.3	-1.3
					WR-NR	55.4	183.1	-127.7
Import/Export of WR (With SR)								
1	HVDC	BHADRAWATI B/B	-	0	522	0.0	12.3	-12.3
2	HVDC	RAIGARH-PUGALUR	2	0	1251	0.0	33.2	-33.2
3	765 kV	SOLAPUR-RAICHUR	2	306	2074	0.0	23.9	-23.9
4	765 kV	WARDHA-NIZAMABAD	2	0	3159	0.0	50.0	-50.0
5	400 kV	KOLHAPUR-KUDGI	2	1160	0	19.2	0.0	19.2
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	88	1.7	0.0	1.7
					WR-SR	20.9	119.5	-98.6

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)	355	0	127	3.0
	ER	400kV TALA-BINAGURI 1,2,4 (& 400kV MALBASE - BINAGURI) i.e. BINAGURI RECEIPT (from TALA HEP (6*170MW)	95	55	77	1.9
	ER	220kV CHUKHA-BIRPARA 1&2 (& 220kV MALBASE - BIRPARA) i.e. BIRPARA RECEIPT (from CHUKHA HEP 4*84MW)	40	0	-31	-0.8
	NER	132KV-GEYLEGPHU - SALAKATI	35	13	25	0.6
	NER	132kV Motanga-Rangia	15	1	7	0.2
NEPAL	NR	132KV-TANAKPUR(NH) - MAHENDRANAGAR(PG)	-82	0	-75	-1.8
	ER	400KV-MUZAFFARPUR - DHALKEBAR DC	-328	-86	-315	-7.6
	ER	132KV-BIHAR - NEPAL	-311	-117	-219	-5.3
	ER	BHERAMARA HVDC(BANGLADESH)	-755	-732	-755	-18.4
BANGLADESH	NER	132KV-SURAJMANI NAGAR - COMILLA(BANGLADESH)-1	75	0	-60	-1.4
	NER	132KV-SURAJMANI NAGAR - COMILLA(BANGLADESH)-2	75	0	-60	-1.4