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: 27th 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 26.03.2021.

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 26-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 26th 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:** **27-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)	44498	55125	48299	22519	2712	173153
Peak Shortage (MW)	860	178	0	0	56	1094
Energy Met (MU)	971	1327	1229	488	47	4063
Hydro Gen (MU)	104	51	103	38	4	300
Wind Gen (MU)	11	53	30	-	-	94
Solar Gen (MU)*	50.56	39.92	103.11	5.20	0.18	199
Energy Shortage (MU)	7.91	1.00	0.00	0.00	0.76	9.67
Maximum Demand Met During the Day (MW) (From NLDC SCADA)	48624	58624	58394	22784	2788	183003
Time Of Maximum Demand Met (From NLDC SCADA)	19:35	11:30	10:40	19:47	18:34	10:39

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	0.054	0.00	1.23	15.21	16.43	72.35	11.21

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	5966	0	125.2	50.4	-0.3	96	0.00
	Haryana	5939	0	123.9	73.1	0.1	231	0.00
	Rajasthan	10563	0	210.1	32.9	-2.4	168	0.00
	Delhi	3603	0	69.2	53.5	-0.9	112	0.00
	UP	17878	0	320.2	123.2	-2.9	369	0.00
	Uttarakhand	1896	0	38.1	26.0	1.0	177	0.31
	HP	1677	0	31.6	24.8	0.9	259	0.00
	J&K(UT) & Ladakh(UT)	2591	400	49.3	40.8	-0.6	265	7.60
	Chandigarh	175	0	3.2	3.1	0.1	23	0.00
WR	Chhattisgarh	4589	45	111.3	58.6	1.4	243	1.00
	Gujarat	18483	0	395.2	149.3	6.0	910	0.00
	MP	11033	0	222.6	110.3	-2.2	354	0.00
	Maharashtra	24449	0	539.8	170.9	-0.8	415	0.00
	Goa	595	0	12.7	12.3	0.0	137	0.00
	DD	342	0	7.7	7.3	0.4	74	0.00
	DNH	855	0	19.9	19.6	0.3	45	0.00
	AMNSIL	800	0	18.2	1.3	0.1	273	0.00
SR	Andhra Pradesh	11070	0	219.1	83.4	1.9	702	0.00
	Telangana	13688	0	281.4	143.9	0.4	665	0.00
	Karnataka	14367	0	272.0	97.3	1.1	696	0.00
	Kerala	4222	0	87.1	55.8	0.2	279	0.00
	Tamil Nadu	16481	0	360.6	243.8	-0.6	446	0.00
	Puducherry	416	0	8.8	8.7	0.1	37	0.00
ER	Bihar	5110	0	100.8	89.4	1.5	514	0.00
	DVC	3309	0	70.8	-44.2	0.6	388	0.00
	Jharkhand	1474	0	29.5	20.8	0.0	155	0.00
	Odisha	4645	0	100.7	35.4	1.1	830	0.00
	West Bengal	8732	0	185.3	38.0	-0.3	362	0.00
	Sikkim	81	0	1.1	1.6	-0.4	46	0.00
NER	Arunachal Pradesh	127	4	2.1	2.0	-0.1	57	0.01
	Assam	1695	43	29.3	24.6	0.2	101	0.72
	Manipur	193	3	2.3	2.6	-0.3	18	0.01
	Meghalaya	340	0	5.8	4.8	-0.1	36	0.00
	Mizoram	103	4	1.5	1.5	-0.1	24	0.01
	Nagaland	142	3	2.0	2.0	-0.1	28	0.01
	Tripura	271	2	4.4	3.4	0.2	69	0.00

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

	Bhutan	Nepal	Bangladesh
Actual (MU)	4.7	-16.3	-20.9
Day Peak (MW)	233.0	-723.3	-899.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	135.8	-313.9	248.2	-80.6	10.5	0.0
Actual(MU)	109.7	-304.7	251.1	-71.1	11.0	-4.0
O/D/U/D(MU)	-26.1	9.2	2.9	9.4	0.5	-4.0

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	TOTAL	% Share
Central Sector	5099	13733	7592	1278	1472	29173	43
State Sector	13242	14162	6656	3913	11	37984	57
Total	18341	27895	14248	5191	1483	67157	100

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India	% Share
Coal	600	1410	631	546	14	3201	77
Lignite	22	11	37	0	0	70	2
Hydro	104	51	103	38	4	300	7
Nuclear	27	29	41	0	0	98	2
Gas, Naptha & Diesel	33	55	16	0	24	128	3
RES (Wind, Solar, Biomass & Others)	88	94	170	5	0	358	9
Total	874	1651	998	589	42	4154	100

Share of RES in total generation (%)	10.12	5.70	17.06	0.89	0.42	8.62
Share of Non-fossil fuel (Hydro,Nuclear and RES) in total generation(%)	25.09	10.56	31.52	7.30	10.55	18.19

H. All India Demand Diversity Factor

Based on Regional Max Demands	1.045
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: 27-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	6.1	-6.1
3	765 kV	GAYA-VARANASI	2	102	366	0.0	2.9	-2.9
4	765 kV	SASARAM-FATEHPUR	1	72	128	0.0	0.3	-0.3
5	765 kV	GAYA-BALIA	1	31	320	0.0	3.4	-3.4
6	400 kV	PUSAULI-VARANASI	1	0	212	0.0	4.7	-4.7
7	400 kV	PUSAULI -ALLAHABAD	1	0	78	0.0	1.2	-1.2
8	400 kV	MUZAFFARPUR-GORAKHPUR	2	247	391	0.0	2.7	-2.7
9	400 kV	PATNA-BALIA	4	0	804	0.0	11.5	-11.5
10	400 kV	BIHARSHARIFF-BALIA	2	184	129	0.2	0.0	0.2
11	400 kV	MOTIHARI-GORAKHPUR	2	5	94	0.0	0.6	-0.6
12	400 kV	BIHARSHARIFF-VARANASI	2	35	146	0.0	0.8	-0.8
13	220 kV	PUSAULI-SAHUPURI	1	55	76	0.0	0.4	-0.4
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	0.5	34.5	-34.0
Import/Export of ER (With WR)								
1	765 kV	JHARSUGUDA-DHARAMJAIGARH	4	1694	0	33.5	0.0	33.5
2	765 kV	NEW RANCHI-DHARAMJAIGARH	2	588	461	3.5	0.0	3.5
3	765 kV	JHARSUGUDA-DURG	2	108	144	0.0	0.4	-0.4
4	400 kV	JHARSUGUDA-RAIGARH	4	109	209	0.0	1.3	-1.3
5	400 kV	RANCHI-SIPAT	2	159	172	1.2	0.0	1.2
6	220 kV	BUDHIPADAR-RAIGARH	1	0	128	0.0	1.9	-1.9
7	220 kV	BUDHIPADAR-KORBA	2	78	23	0.6	0.0	0.6
					ER-WR	38.8	3.6	35.2
Import/Export of ER (With SR)								
1	HVDC	JEYPORE-GAZUWAKA B/B	2	0	350	0.0	8.6	-8.6
2	HVDC	TALCHER-KOLAR BIPOLE	2	0	2483	0.0	49.1	-49.1
3	765 kV	ANGUL-SRIKAKULAM	2	0	3436	0.0	64.3	-64.3
4	400 kV	TALCHER-I/C	2	1574	642	0.0	6.1	-6.1
5	220 kV	BALIMELA-UPPER-SILERRU	1	1	0	0.0	0.0	0.0
					ER-SR	0.0	122.0	-122.0
Import/Export of ER (With NER)								
1	400 kV	BINAGURI-BONGAIGAON	2	139	241	0.5	0.0	0.5
2	400 kV	ALIPURDUAR-BONGAIGAON	2	228	324	0.2	0.0	0.2
3	220 kV	ALIPURDUAR-SALAKATI	2	23	36	0.0	0.0	0.0
					ER-NER	0.7	0.0	0.7
Import/Export of NER (With NR)								
1	HVDC	BISWANATH CHARIALI-AGRA	2	592	0	10.9	0.0	10.9
					NER-NR	10.9	0.0	10.9
Import/Export of WR (With NR)								
1	HVDC	CHAMPA-KURUKSHETRA	2	0	1501	0.0	48.0	-48.0
2	HVDC	VINDHYACHAL B/B	-	265	0	6.0	0.0	6.0
3	HVDC	MUNDRA-MOHINDERGARH	2	0	984	0.0	24.2	-24.2
4	765 kV	GWALIOR-AGRA	2	0	2059	0.0	32.4	-32.4
5	765 kV	PHAGI-GWALIOR	2	0	788	0.0	11.1	-11.1
6	765 kV	JABALPUR-ORAI	2	325	629	0.0	17.3	-17.3
7	765 kV	GWALIOR-ORAI	1	542	0	9.6	0.0	9.6
8	765 kV	SATNA-ORAI	1	0	1252	0.0	24.1	-24.1
9	765 kV	CHITORGARH-BANASKANTHA	2	1509	0	18.3	0.0	18.3
10	400 kV	ZERDA-KANKROLI	1	416	0	6.1	0.0	6.1
11	400 kV	ZERDA -BHINMAL	1	607	0	7.7	0.0	7.7
12	400 kV	VINDHYACHAL -RIHAND	1	948	0	11.7	0.0	11.7
13	400 kV	RAPP-SHUJALPUR	2	308	189	1.4	0.6	0.9
14	220 kV	BHANPURA-RANPUR	1	40	14	0.3	0.0	0.3
15	220 kV	BHANPURA-MORAK	1	0	30	0.8	0.0	0.8
16	220 kV	MEHGAON-AURAIYA	1	134	0	0.8	0.0	0.8
17	220 kV	MALANPUR-AURAIYA	1	97	0	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	64.3	157.7	-93.4
Import/Export of WR (With SR)								
1	HVDC	BHADRAWATI B/B	-	0	1019	0.0	21.1	-21.1
2	HVDC	RAIGARH-PUGALUR	2	0	1515	0.0	71.1	-71.1
3	765 kV	SOLAPUR-RAICHUR	2	0	2391	0.0	38.4	-38.4
4	765 kV	WARDHA-NIZAMABAD	2	0	3494	0.0	64.2	-64.2
5	400 kV	KOLHAPUR-KUDGI	2	932	0	16.5	0.0	16.5
6	220 kV	KOLHAPUR-CHIKODI	2	0	0	0.0	0.0	0.0
7	220 kV	PONDA-AMBEWADI	1	0	0	1.4	0.0	1.4
8	220 kV	XELDEM-AMBEWADI	1	1	97	1.5	0.0	1.5
					WR-SR	19.4	194.7	-175.4

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)	208	0	110	2.6
	ER	400kV TALA-BINAGURI 1,2,4 (& 400kV MALBASE - BINAGURI) i.e. BINAGURI RECEIPT (from TALA HEP (6*170MW)	0	0	0	2.2
	ER	220kV CHUKHA-BIRPARA 1&2 (& 220kV MALBASE - BIRPARA) i.e. BIRPARA RECEIPT (from CHUKHA HEP 4*84MW)	21	0	-10	-0.3
	NER	132KV-GEYLEGPHU - SALAKATI	-27	0	8	0.2
	NER	132kV Motanga-Rangia	31	0	-15	-0.4
NEPAL	NR	132KV-TANAKPUR(NH) - MAHENDRANAGAR(PG)	-82	0	-72	-1.7
	ER	400KV-MUZAFFARPUR - DHALKEBAR DC	-310	-239	-300	-7.2
	ER	132KV-BIHAR - NEPAL	-331	-253	307	-7.4
BANGLADESH	ER	BHERAMARA HVDC(BANGLADESH)	-737	0	-736	-17.7
	NER	132KV-SURAJMANI NAGAR - COMILLA(BANGLADESH)-1	81	0	-68	-1.6
	NER	132KV-SURAJMANI NAGAR - COMILLA(BANGLADESH)-2	81	0	-68	-1.6