



National Load Despatch Centre
राष्ट्रीय भार प्रेषण केंद्र
POWER SYSTEM OPERATION CORPORATION LIMITED
पावर 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: 03rd 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., डोंगतेह, 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 02.03.2021.

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 02-मार्च-2021 की अखिल भारतीय प्रणाली की दैनिक ग्रिड निष्पादन रिपोर्ट रा०भा०प्रे०के० की वेबसाइट पर उपलब्ध 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 02nd 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:

03-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)	48950	54975	45796	20946	2442	173109
Peak Shortage (MW)	500	0	0	0	118	618
Energy Met (MU)	1023	1321	1138	424	43	3949
Hydro Gen (MU)	110	49	85	43	15	302
Wind Gen (MU)	11	47	28	-	-	86
Solar Gen (MU)*	50.61	40.74	108.63	4.62	0.21	205
Energy Shortage (MU)	10.28	0.00	0.00	0.00	1.67	11.95
Maximum Demand Met During the Day (MW) (From NLDC SCADA)	50457	59789	54835	20964	2584	182937
Time Of Maximum Demand Met (From NLDC SCADA)	09:43	11:22	10:30	18:54	18:02	09:55

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	49.215	0.20	0.00	2.63	2.82	71.06	26.12

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	6825	0	141.5	66.3	-0.5	79	0.00
	Haryana	6507	0	134.8	88.1	0.2	109	0.00
	Rajasthan	13753	0	264.6	72.8	0.8	426	0.00
	Delhi	3434	0	61.8	46.6	-1.9	93	0.00
	UP	16640	0	295.9	97.2	-2.3	282	0.28
	Uttarakhand	1968	0	37.9	20.7	0.5	114	0.00
	HP	1774	0	31.3	26.1	0.4	198	0.00
	J&K(UT) & Ladakh(UT)	2473	500	51.7	45.7	0.4	184	10.00
WR	Chhattisgarh	4606	0	106.7	57.9	0.9	230	0.00
	Gujarat	17229	0	371.3	130.5	0.1	579	0.00
	MP	12774	0	261.4	146.1	-1.0	435	0.00
	Maharashtra	24109	0	527.4	156.0	-1.7	615	0.00
	Goa	532	0	11.1	10.7	-0.1	30	0.00
	DD	345	0	7.6	7.3	0.3	50	0.00
	DNH	861	0	20.0	19.9	0.1	33	0.00
	AMNSIL	742	0	15.3	4.0	0.8	300	0.00
SR	Andhra Pradesh	10810	0	207.8	71.7	0.7	634	0.00
	Telangana	13132	0	262.5	145.0	1.0	814	0.00
	Karnataka	12989	0	253.5	97.1	3.5	1456	0.00
	Kerala	3892	0	81.5	54.5	0.5	271	0.00
	Tamil Nadu	15105	0	325.2	200.7	-1.7	505	0.00
	Puducherry	374	0	7.6	7.7	-0.1	27	0.00
ER	Bihar	4793	0	87.4	73.2	1.0	373	0.00
	DVC	3115	0	66.5	-49.6	-0.4	290	0.00
	Jharkhand	1276	0	26.8	19.8	-1.4	122	0.00
	Odisha	4403	0	87.1	19.2	0.4	524	0.00
	West Bengal	7832	0	155.4	28.6	-0.7	456	0.00
NER	Sikkim	85	0	1.2	1.8	-0.6	62	0.00
	Arunachal Pradesh	130	2	2.4	2.6	-0.3	31	0.00
	Assam	1527	19	24.9	20.4	0.1	83	0.40
	Manipur	214	3	2.6	2.7	-0.1	66	0.02
	Meghalaya	295	60	5.2	4.6	-0.2	50	1.23
	Mizoram	100	3	1.7	1.3	0.0	23	0.01
	Nagaland	126	2	2.0	2.1	-0.2	11	0.01
	Tripura	240	3	4.0	3.6	0.0	78	0.00

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

	Bhutan	Nepal	Bangladesh
Actual (MU)	6.4	-14.5	-20.1
Day Peak (MW)	492.0	-685.8	-861.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	192.2	-217.4	170.4	-142.2	-3.0	0.0
Actual(MU)	178.9	-214.5	175.2	-140.9	-4.2	-5.6
O/D/U/D(MU)	-13.3	2.9	4.8	1.4	-1.3	-5.6

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	TOTAL	% Share
Central Sector	5900	16318	5832	1608	559	30217	45
State Sector	11242	13345	8504	4107	112	37310	55
Total	17142	29663	14336	5715	671	67526	100

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India	% Share
Coal	584	1342	622	548	9	3105	77
Lignite	27	11	34	0	0	73	2
Hydro	110	49	85	43	15	302	7
Nuclear	23	21	47	0	0	91	2
Gas, Naptha & Diesel	31	37	16	0	28	112	3
RES (Wind, Solar, Biomass & Others)	87	89	174	5	0	355	9
Total	862	1549	978	596	52	4037	100

Share of RES in total generation (%)	10.14	5.73	17.82	0.78	0.40	8.80
Share of Non-fossil fuel (Hydro,Nuclear and RES) in total generation(%)	25.53	10.27	31.26	8.00	29.89	18.53

H. All India Demand Diversity Factor

Based on Regional Max Demands	1.031
Based on State Max Demands	1.067

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: 03-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	251	0.0	6.3	-6.3
3	765 kV	GAYA-VARANASI	2	0	759	0.0	10.3	-10.3
4	765 kV	SASARAM-FATEHPUR	1	0	426	0.0	6.2	-6.2
5	765 kV	GAYA-BALIA	1	0	416	0.0	6.6	-6.6
6	400 kV	PUSAULI-VARANASI	1	0	180	0.0	3.9	-3.9
7	400 kV	PUSAULI-ALLAHABAD	1	0	131	0.0	2.2	-2.2
8	400 kV	MUZAFFARPUR-GORAKHPUR	2	0	846	0.0	12.7	-12.7
9	400 kV	PATNA-BALIA	4	0	1058	0.0	18.8	-18.8
10	400 kV	BIHARSHARIFF-BALIA	2	0	470	0.0	8.1	-8.1
11	400 kV	MOTIHARI-GORAKHPUR	2	0	308	0.0	5.6	-5.6
12	400 kV	BIHARSHARIFF-VARANASI	2	0	334	0.0	3.9	-3.9
13	220 kV	PUSAULI-SAHUPURI	1	46	73	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	0.7	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	85.0	-84.3
Import/Export of ER (With WR)								
1	765 kV	JHARSUGUDA-DHARAMJAIGARH	4	685	115	7.7	0.0	7.7
2	765 kV	NEW RANCHI-DHARAMJAIGARH	2	514	531	0.0	1.0	-1.0
3	765 kV	JHARSUGUDA-DURG	2	0	400	0.0	5.9	-5.9
4	400 kV	JHARSUGUDA-RAIGARH	4	0	562	0.0	8.7	-8.7
5	400 kV	RANCHI-SIPAT	2	75	249	0.0	2.2	-2.2
6	220 kV	BUDHIPADAR-RAIGARH	1	0	163	0.0	2.6	-2.6
7	220 kV	BUDHIPADAR-KORBA	2	69	36	0.2	0.0	0.2
ER-WR						7.9	20.3	-12.4
Import/Export of ER (With SR)								
1	HVDC	JEYPORE-GAZUWAKA B/B	2	0	643	0.0	13.3	-13.3
2	HVDC	TALCHER-KOLAR BIPOLE	2	0	990	0.0	24.1	-24.1
3	765 kV	ANGUL-SRIKAKULAM	2	0	3027	0.0	61.2	-61.2
4	400 kV	TALCHER-I/C	2	918	0	13.1	0.0	13.1
5	220 kV	BALIMELA-UPPER-SILERRU	1	1	0	0.0	0.0	0.0
ER-SR						0.0	98.6	-98.6
Import/Export of ER (With NER)								
1	400 kV	BINAGURI-BONGAIGAON	2	310	44	3.9	0.0	3.9
2	400 kV	ALIPURDUAR-BONGAIGAON	2	500	33	6.2	0.0	6.2
3	220 kV	ALIPURDUAR-SALAKATI	2	43	16	0.5	0.0	0.5
ER-NER						10.6	0.0	10.6
Import/Export of NER (With NR)								
1	HVDC	BISWANATH CHARIALI-AGRA	2	461	0	6.9	0.0	6.9
NER-NR						6.9	0.0	6.9
Import/Export of WR (With NR)								
1	HVDC	CHAMPA-KURUKSHETRA	2	0	1006	0.0	23.8	-23.8
2	HVDC	VINDHYACHAL B/B	-	240	0	6.0	0.0	6.0
3	HVDC	MUNDRA-MOHINDERGARH	2	0	1456	0.0	26.4	-26.4
4	765 kV	GWALIOR-AGRA	2	0	2011	0.0	30.4	-30.4
5	765 kV	PHAGI-GWALIOR	2	0	1204	0.0	20.3	-20.3
6	765 kV	JABALPUR-ORAI	2	0	823	0.0	27.6	-27.6
7	765 kV	GWALIOR-ORAI	1	572	0	11.3	0.0	11.3
8	765 kV	SATNA-ORAI	1	0	1190	0.0	23.8	-23.8
9	765 kV	CHITORGARH-BANASKANTHA	2	887	338	3.3	0.0	3.3
10	400 kV	ZERDA-KANKROLI	1	235	13	2.7	0.0	2.7
11	400 kV	ZERDA-BHINMAL	1	279	153	2.0	0.0	2.0
12	400 kV	VINDHYACHAL-RIHAND	1	977	0	18.8	0.0	18.8
13	400 kV	RAPP-SHULPUR	2	119	328	0.4	1.9	-1.5
14	220 kV	BHANPURA-RANPUR	1	0	147	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	134	0	1.5	2.2	-0.6
17	220 kV	MALANPUR-AURAIYA	1	85	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	1.1	-1.1
WR-NR						47.3	157.6	-110.3
Import/Export of WR (With SR)								
1	HVDC	BHADRAWATI B/B	-	0	522	0.0	12.4	-12.4
2	HVDC	RAIGARH-PUGALUR	2	0	1515	0.0	35.0	-35.0
3	765 kV	SOLAPUR-RAICHUR	2	0	2176	0.0	33.5	-33.5
4	765 kV	WARDHA-NIZAMABAD	2	0	3349	0.0	56.9	-56.9
5	400 kV	KOLHAPUR-KUDGI	2	1148	0	19.1	0.0	19.1
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	109	2.2	0.0	2.2
WR-SR						21.2	137.7	-116.5

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 MANGDECHHU HEP 4*180MW)	296	140	146	3.5
	ER	400kV TALA-BINAGURI 1,2,4 (& 400kV MALBASE - BINAGURI) i.e. BINAGURI RECEIPT (from TALA HEP (6*170MW)	145	64	127	3.1
	ER	220kV CHUKHA-BIRPARA 1&2 (& 220kV MALBASE - BIRPARA) i.e. BIRPARA RECEIPT (from CHUKHA HEP 4*84MW)	65	0	-8	-0.2
	NER	132KV-GEYLEGPHU - SALAKATI	-28	-10	19	0.5
	NER	132kV Motanga-Rangia	13	0	-1	0.0
NEPAL	NR	132KV-TANAKPUR(NH) - MAHENDRANAGAR(PG)	-83	0	-74	-1.8
	ER	400KV-MUZAFFARPUR - DHALKEBAR DC	-314	-256	-314	-7.8
	ER	132KV-BIHAR - NEPAL	-289	-112	-209	-5.0
	ER	BHERAMARA HVDC(BANGLADESH)	-732	0	-721	-17.3
BANGLADESH	NER	132KV-SURAJMANI NAGAR - COMILLA(BANGLADESH)-1	65	0	-58	-1.4
	NER	132KV-SURAJMANI NAGAR - COMILLA(BANGLADESH)-2	64	0	-58	-1.4