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: 28th Feb 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 27.02.2021.

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 27-फरवरी -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 27th February 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:** **28-Feb-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)	47744	53792	45804	20035	2468	169843
Peak Shortage (MW)	900	0	0	162	41	1103
Energy Met (MU)	1011	1295	1119	409	43	3876
Hydro Gen (MU)	110	56	93	31	8	298
Wind Gen (MU)	13	72	17	-	-	102
Solar Gen (MU)*	46.97	39.46	105.51	5.13	0.08	197
Energy Shortage (MU)	12.10	0.00	0.00	0.49	0.84	13.43
Maximum Demand Met During the Day (MW) (From NLDC SCADA)	49016	59772	53159	20220	2505	179574
Time Of Maximum Demand Met (From NLDC SCADA)	09:40	11:25	09:48	18:43	17:47	09:45

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	0.035	0.00	0.03	7.45	7.49	77.03	15.48

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	6296	0	129.1	54.8	-1.2	162	0.00
	Haryana	6504	0	137.0	89.1	-0.9	68	0.00
	Rajasthan	13407	0	265.0	83.0	0.0	261	0.00
	Delhi	3326	0	61.3	51.0	-1.4	102	0.00
	UP	16794	200	302.0	90.7	0.3	545	2.10
	Uttarakhand	1948	0	37.3	20.8	-0.2	142	0.00
	HP	1718	0	31.2	25.4	0.9	442	0.00
	J&K(UT) & Ladakh(UT)	2532	500	45.2	40.1	-1.2	356	10.00
	Chandigarh	175	0	3.1	3.1	0.0	12	0.00
WR	Chhattisgarh	4464	0	102.9	48.8	1.1	300	0.00
	Gujarat	17044	0	370.7	135.6	1.1	935	0.00
	MP	12918	0	262.8	135.5	-3.4	570	0.00
	Maharashtra	23949	0	502.2	145.6	-3.6	616	0.00
	Goa	476	0	10.2	9.8	-0.2	31	0.00
	DD	335	0	7.5	7.2	0.3	45	0.00
	DNH	868	0	20.1	20.0	0.1	39	0.00
	AMNSIL	815	0	18.7	5.6	-0.1	21	0.00
SR	Andhra Pradesh	10364	0	205.9	71.7	0.6	543	0.00
	Telangana	13342	0	262.9	142.2	1.2	707	0.00
	Karnataka	12403	0	236.0	91.4	-1.3	638	0.00
	Kerala	3929	0	82.4	54.1	0.3	234	0.00
	Tamil Nadu	15239	0	323.8	198.5	2.1	883	0.00
	Puducherry	357	0	7.5	7.8	-0.4	24	0.00
ER	Bihar	4576	0	85.9	72.6	0.8	328	0.00
	DVC	3141	0	64.8	-57.9	-2.0	511	0.00
	Jharkhand	1531	0	23.5	21.7	-3.2	248	0.49
	Odisha	4536	0	88.0	10.2	-0.9	392	0.00
	West Bengal	7435	0	145.3	18.0	-0.4	572	0.00
	Sikkim	84	0	1.1	1.7	-0.7	10	0.00
NER	Arunachal Pradesh	119	1	2.4	2.4	-0.1	17	0.01
	Assam	1429	10	24.2	19.1	0.1	127	0.80
	Manipur	188	1	2.5	2.8	-0.3	29	0.01
	Meghalaya	342	0	6.3	4.7	0.1	37	0.00
	Mizoram	107	1	1.7	1.4	0.0	15	0.01
	Nagaland	151	1	2.3	2.0	0.2	14	0.01
	Tripura	237	0	3.9	2.8	-0.2	74	0.00

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

	Bhutan	Nepal	Bangladesh
Actual (MU)	3.5	-12.6	-18.0
Day Peak (MW)	210.0	-774.6	-804.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	209.6	-212.0	176.5	-173.9	-0.2	0.0
Actual(MU)	197.4	-214.3	186.7	-174.3	-0.4	-4.9
O/D/U/D(MU)	-12.2	-2.3	10.2	-0.4	-0.2	-4.9

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	TOTAL	% Share
Central Sector	7490	17643	6782	1766	544	34225	47
State Sector	11894	14463	8862	3772	11	39002	53
Total	19384	32105	15644	5538	555	73226	100

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India	% Share
Coal	566	1276	597	581	11	3031	76
Lignite	24	9	40	0	0	73	2
Hydro	110	56	93	31	8	298	7
Nuclear	23	21	47	0	0	91	2
Gas, Naptha & Diesel	25	56	11	0	30	122	3
RES (Wind, Solar, Biomass & Others)	87	113	159	5	0	363	9
Total	834	1531	947	618	49	3978	100

Share of RES in total generation (%)	10.39	7.36	16.75	0.83	0.16	9.13
Share of Non-fossil fuel (Hydro,Nuclear and RES) in total generation(%)	26.26	12.37	31.55	5.91	16.31	18.89

H. All India Demand Diversity Factor

Based on Regional Max Demands	1.028
Based on State Max Demands	1.075

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: 28-Feb-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	5.7	-5.7
3	765 kV	GAYA-VARANASI	2	0	825	0.0	13.7	-13.7
4	765 kV	SASARAM-FATEHPUR	1	0	470	0.0	5.6	-5.6
5	765 kV	GAYA-BALIA	1	0	497	0.0	7.7	-7.7
6	400 kV	PUSAULI-VARANASI	1	0	220	0.0	4.3	-4.3
7	400 kV	PUSAULI -ALLAHABAD	1	36	89	0.0	1.4	-1.4
8	400 kV	MUZAFFARPUR-GORAKHPUR	2	0	815	0.0	12.5	-12.5
9	400 kV	PATNA-BALIA	4	0	1047	0.0	19.5	-19.5
10	400 kV	BIHARSHARIFF-BALIA	2	0	543	0.0	8.9	-8.9
11	400 kV	MOTIHARI-GORAKHPUR	2	0	347	0.0	5.7	-5.7
12	400 kV	BIHARSHARIFF-VARANASI	2	0	356	0.0	5.6	-5.6
13	220 kV	PUSAULI-SAHUPURI	1	0	195	0.0	2.8	-2.8
14	132 kV	SONE NAGAR-RIHAND	1	0	0	0.0	0.0	0.0
15	132 kV	GARWAH-RIHAND	1	0	44	0.7	0.0	0.7
16	132 kV	KARMANASA-SAHUPURI	1	0	1	0.0	0.0	0.0
17	132 kV	KARMANASA-CHANDAULI	1	0	3	0.0	0.0	0.0
					ER-NR	0.7	93.5	-92.7
Import/Export of ER (With WR)								
1	765 kV	JHARSUGUDA-DHARAMJAIGARH	4	172	545	0.0	2.3	-2.3
2	765 kV	NEW RANCHI-DHARAMJAIGARH	2	545	867	0.0	6.1	-6.1
3	765 kV	JHARSUGUDA-DURG	2	0	799	0.0	14.4	-14.4
4	400 kV	JHARSUGUDA-RAIGARH	4	0	575	0.0	9.6	-9.6
5	400 kV	RANCHI-SIPAT	2	92	332	0.0	3.7	-3.7
6	220 kV	BUDHIPADAR-RAIGARH	1	0	199	0.0	3.3	-3.3
7	220 kV	BUDHIPADAR-KORBA	2	44	87	0.0	0.4	-0.4
					ER-WR	0.0	39.6	-39.6
Import/Export of ER (With SR)								
1	HVDC	JEYPORE-GAZUWAKA B/B	2	0	740	0.0	14.8	-14.8
2	HVDC	TALCHER-KOLAR BIPOLE	2	0	1242	0.0	25.3	-25.3
3	765 kV	ANGUL-SRIKAKULAM	2	0	3031	0.0	59.7	-59.7
4	400 kV	TALCHER-I/C	2	928	0	15.1	0.0	15.1
5	220 kV	BALIMELA-UPPER-SILERRU	1	1	0	0.0	0.0	0.0
					ER-SR	0.0	99.8	-99.8
Import/Export of ER (With NER)								
1	400 kV	BINAGURI-BONGAIGAON	2	291	0	3.7	0.0	3.7
2	400 kV	ALIPURDUAR-BONGAIGAON	2	513	0	6.4	0.0	6.4
3	220 kV	ALIPURDUAR-SALAKATI	2	80	0	1.0	0.0	1.0
					ER-NER	11.1	0.0	11.1
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	505	0.0	25.1	-25.1
2	HVDC	VINDHYACHAL B/B	-	240	0	6.0	0.0	6.0
3	HVDC	MUNDRA-MOHINDERGARH	2	0	982	0.0	24.2	-24.2
4	765 kV	GWALIOR-AGRA	2	0	2103	0.0	31.4	-31.4
5	765 kV	PHAGI-GWALIOR	2	0	991	0.0	16.8	-16.8
6	765 kV	JABALPUR-ORAI	2	668	783	0.0	26.9	-26.9
7	765 kV	GWALIOR-ORAI	1	581	0	0.0	10.6	-10.6
8	765 kV	SATNA-ORAI	1	0	1153	0.0	23.3	-23.3
9	765 kV	CHITORGARH-BANASKANTHA	2	465	515	0.0	2.6	-2.6
10	400 kV	ZERDA-KANKROLI	1	112	43	0.8	0.0	0.8
11	400 kV	ZERDA -BHINMAL	1	117	239	0.0	0.9	-0.9
12	400 kV	VINDHYACHAL -RIHAND	1	887	0	13.3	0.0	13.3
13	400 kV	RAPP-SHUJALPUR	2	107	329	0.0	2.8	-2.8
14	220 kV	BHANPURA-RANPUR	1	0	129	0.0	2.1	-2.1
15	220 kV	BHANPURA-MORAK	1	0	30	0.0	1.9	-1.9
16	220 kV	MEHGAON-AURAIYA	1	129	0	2.1	1.4	0.7
17	220 kV	MALANPUR-AURAIYA	1	92	4	1.9	0.0	1.9
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	24.1	170.0	-145.9
Import/Export of WR (With SR)								
1	HVDC	BHADRAWATI B/B	-	0	522	0.0	12.0	-12.0
2	HVDC	RAIGARH-PUGALUR	2	0	1509	0.0	40.5	-40.5
3	765 kV	SOLAPUR-RAICHUR	2	0	2250	0.0	36.1	-36.1
4	765 kV	WARDHA-NIZAMABAD	2	0	3148	0.0	57.0	-57.0
5	400 kV	KOLHAPUR-KUDGI	2	1087	0	14.2	0.0	14.2
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	122	2.3	0.0	2.3
					WR-SR	16.5	145.5	-129.1

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)	90	89	89	2.1
	ER	400kV TALA-BINAGURI 1,2,4 (& 400kV MALBASE - BINAGURI) i.e. BINAGURI RECEIPT (from TALA HEP (6*170MW)	57	0	50	1.2
	ER	220kV CHUKHA-BIRPARA 1&2 (& 220kV MALBASE - BIRPARA) i.e. BIRPARA RECEIPT (from CHUKHA HEP 4*84MW)	13	0	-21	-0.5
	NER	132KV-GEYLEGPHU - SALAKATI	34	13	21	0.5
	NER	132kV Motanga-Rangia	14	2	6	0.2
NEPAL	NR	132KV-TANAKPUR(NH) - MAHENDRANAGAR(PG)	0	0	0	-1.6
	ER	400KV-MUZAFFARPUR - DHALKEBAR DC	-402	-186	-288	-6.9
	ER	132KV-BIHAR - NEPAL	-298	-38	-171	-4.1
BANGLADESH	ER	BHERAMARA HVDC(BANGLADESH)	-659	-620	-641	-15.4
	NER	132KV-SURAJMANI NAGAR - COMILLA(BANGLADESH)-1	73	0	-54	-1.3
	NER	132KV-SURAJMANI NAGAR - COMILLA(BANGLADESH)-2	72	0	-54	-1.3