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: 14th 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 13.02.2021.

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 13-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 13th 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:** **14-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)	49568	53245	43840	19759	2545	168957
Peak Shortage (MW)	550	205	0	0	37	792
Energy Met (MU)	1003	1271	1054	387	44	3758
Hydro Gen (MU)	101	49	76	32	10	268
Wind Gen (MU)	5	22	37	-	-	64
Solar Gen (MU)*	42.07	36.13	118.65	4.52	0.19	202
Energy Shortage (MU)	11.34	1.20	0.00	0.00	0.45	12.99
Maximum Demand Met During the Day (MW) (From NLDC SCADA)	51506	60022	52283	20019	2615	181859
Time Of Maximum Demand Met (From NLDC SCADA)	09:55	11:24	09:28	18:43	17:59	09:26

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	0.026	0.00	0.00	1.40	1.40	78.78	19.81

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	6700	0	129.3	63.1	-1.7	59	0.00
	Haryana	6375	0	132.2	86.8	0.8	178	0.00
	Rajasthan	13718	0	268.2	92.5	0.5	426	0.00
	Delhi	3804	0	61.4	55.1	-1.0	270	0.00
	UP	16621	0	283.6	83.0	0.9	381	0.14
	Uttarakhand	2133	0	39.4	24.1	-0.2	90	0.00
	HP	1786	0	32.1	26.8	0.3	177	0.00
	J&K(UT) & Ladakh(UT)	2669	550	53.7	48.4	0.0	221	11.20
	Chandigarh	210	0	3.4	3.4	0.0	37	0.00
WR	Chhattisgarh	4407	229	99.3	50.0	1.9	398	1.20
	Gujarat	16873	0	358.4	141.8	0.9	466	0.00
	MP	14284	0	277.3	167.2	-2.0	834	0.00
	Maharashtra	23008	0	480.9	148.7	0.6	707	0.00
	Goa	463	0	9.6	9.3	-0.3	37	0.00
	DD	343	0	7.6	7.3	0.3	186	0.00
	DNH	861	0	19.8	19.6	0.2	300	0.00
	AMNSIL	785	0	17.6	3.6	0.3	259	0.00
SR	Andhra Pradesh	9486	0	187.4	59.7	0.8	760	0.00
	Telangana	12744	0	239.5	122.7	1.3	864	0.00
	Karnataka	12805	0	243.0	78.8	0.3	511	0.00
	Kerala	3636	0	72.7	51.4	0.1	208	0.00
	Tamil Nadu	14733	0	303.8	193.4	0.4	511	0.00
	Puducherry	363	0	7.6	7.8	-0.3	31	0.00
ER	Bihar	4651	0	84.2	76.6	-1.5	255	0.00
	DVC	3026	0	66.5	-49.4	-1.5	343	0.00
	Jharkhand	1413	0	26.8	19.4	-1.0	134	0.00
	Odisha	4525	0	78.2	9.2	-2.5	334	0.00
	West Bengal	6825	0	129.9	17.4	-0.2	333	0.00
	Sikkim	99	0	1.5	1.8	-0.3	29	0.00
NER	Arunachal Pradesh	137	1	2.3	2.3	-0.1	35	0.01
	Assam	1464	12	24.4	19.6	0.0	92	0.40
	Manipur	221	2	2.7	3.0	-0.3	23	0.02
	Meghalaya	394	0	6.5	4.3	0.3	28	0.00
	Mizoram	118	1	1.8	1.5	0.0	14	0.01
	Nagaland	129	2	2.2	2.1	0.0	12	0.01
	Tripura	234	4	3.5	1.8	-0.4	40	0.00

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

	Bhutan	Nepal	Bangladesh
Actual (MU)	3.8	-12.2	-20.1
Day Peak (MW)	228.0	-608.4	-963.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	235.5	-239.1	133.1	-130.3	0.8	0.0
Actual(MU)	234.2	-240.9	144.0	-140.1	1.7	-1.1
O/D/U/D(MU)	-1.3	-1.9	10.9	-9.7	0.9	-1.1

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	TOTAL	% Share
Central Sector	5696	11803	6522	1655	749	26424	39
State Sector	13108	14648	9172	4635	11	41573	61
Total	18804	26450	15694	6290	760	67997	100

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India	% Share
Coal	553	1357	553	524	6	2994	78
Lignite	24	7	42	0	0	74	2
Hydro	101	49	76	32	10	268	7
Nuclear	14	16	47	0	0	77	2
Gas, Naptha & Diesel	24	37	11	0	30	102	3
RES (Wind, Solar, Biomass & Others)	74	59	193	5	0	330	9
Total	790	1525	922	561	47	3844	100

Share of RES in total generation (%)	9.33	3.84	20.97	0.81	0.41	8.60
Share of Non-fossil fuel (Hydro,Nuclear and RES) in total generation(%)	23.88	8.10	34.27	6.50	22.19	17.56

H. All India Demand Diversity Factor

Based on Regional Max Demands	1.025
Based on State Max Demands	1.056

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: 14-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	6.2	-6.2
3	765 kV	GAYA-VARANASI	2	0	889	0.0	11.2	-11.2
4	765 kV	SASARAM-FATEHPUR	1	0	394	0.0	5.9	-5.9
5	765 kV	GAYA-BALIA	1	0	518	0.0	7.5	-7.5
6	400 kV	PUSAULI-VARANASI	1	0	215	0.0	4.6	-4.6
7	400 kV	PUSAULI -ALLAHABAD	1	0	94	0.0	1.4	-1.4
8	400 kV	MUZAFFARPUR-GORAKHPUR	2	0	771	0.0	10.2	-10.2
9	400 kV	PATNA-BALIA	4	0	1081	0.0	15.8	-15.8
10	400 kV	BIHARSHARIFF-BALIA	2	0	454	0.0	7.2	-7.2
11	400 kV	MOTIHARI-GORAKHPUR	2	0	332	0.0	5.5	-5.5
12	400 kV	BIHARSHARIFF-VARANASI	2	13	249	0.0	2.0	-2.0
13	220 kV	PUSAULI-SAHUPURI	1	64	73	0.0	0.0	0.0
14	132 kV	SONE NAGAR-RIHAND	1	0	0	0.0	0.0	0.0
15	132 kV	GARWAH-RIHAND	1	20	0	0.6	0.0	0.6
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	77.3	-76.7
Import/Export of ER (With WR)								
1	765 kV	JHARSUGUDA-DHARAMJAIGARH	4	878	207	9.7	0.0	9.7
2	765 kV	NEW RANCHI-DHARAMJAIGARH	2	614	460	1.9	0.0	1.9
3	765 kV	JHARSUGUDA-DURG	2	0	486	0.0	7.8	-7.8
4	400 kV	JHARSUGUDA-RAIGARH	4	0	485	0.0	6.9	-6.9
5	400 kV	RANCHI-SIPAT	2	98	237	0.0	1.2	-1.2
6	220 kV	BUDHIPADAR-RAIGARH	1	0	171	0.0	2.9	-2.9
7	220 kV	BUDHIPADAR-KORBA	2	105	25	0.6	0.0	0.6
					ER-WR	12.2	18.7	-6.5
Import/Export of ER (With SR)								
1	HVDC	JEYPORE-GAZUWAKA B/B	2	0	435	0.0	10.0	-10.0
2	HVDC	TALCHER-KOLAR BIPOLE	2	0	2469	0.0	43.0	-43.0
3	765 kV	ANGUL-SRIKAKULAM	2	0	2671	0.0	52.4	-52.4
4	400 kV	TALCHER-I/C	2	96	1129	0.0	9.5	-9.5
5	220 kV	BALIMELA-UPPER-SILERRU	1	1	0	0.0	0.0	0.0
					ER-SR	0.0	105.4	-105.4
Import/Export of ER (With NER)								
1	400 kV	BINAGURI-BONGAIGAON	2	245	117	2.4	0.0	2.4
2	400 kV	ALIPURDUAR-BONGAIGAON	2	407	132	5.0	0.0	5.0
3	220 kV	ALIPURDUAR-SALAKATI	2	76	25	1.0	0.0	1.0
					ER-NER	8.4	0.0	8.4
Import/Export of NER (With NR)								
1	HVDC	BISWANATH CHARIALI-AGRA	2	486	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	1508	0.0	44.1	-44.1
2	HVDC	VINDHYACHAL B/B	-	237	0	4.3	0.0	4.3
3	HVDC	MUNDRA-MOHINDERGARH	2	0	1924	0.0	46.1	-46.1
4	765 kV	GWALIOR-AGRA	2	0	2548	0.0	37.9	-37.9
5	765 kV	PHAGI-GWALIOR	2	0	1535	0.0	25.0	-25.0
6	765 kV	JABALPUR-ORAI	2	767	997	0.0	30.3	-30.3
7	765 kV	GWALIOR-ORAI	1	674	0	12.8	0.0	12.8
8	765 kV	SATNA-ORAI	1	0	1359	0.0	26.3	-26.3
9	765 kV	CHITORGARH-BANASKANTHA	2	720	377	4.6	0.0	4.6
10	400 kV	ZERDA-KANKROLI	1	202	28	2.3	0.0	2.3
11	400 kV	ZERDA -BHINMAL	1	166	190	0.0	0.2	-0.2
12	400 kV	VINDHYACHAL -RIHAND	1	488	0	11.1	0.0	11.1
13	400 kV	RAPP-SHUJALPUR	2	38	506	0.0	4.2	-4.2
14	220 kV	BHANPURA-RANPUR	1	0	165	0.0	2.2	-2.2
15	220 kV	BHANPURA-MORAK	1	0	30	1.9	0.0	1.9
16	220 kV	MEHGAON-AURAIYA	1	128	0	2.2	0.0	2.2
17	220 kV	MALANPUR-AURAIYA	1	84	5	1.7	0.0	1.7
18	132 kV	GWALIOR-SAWAI MADHOPUR	1	0	0	0.0	0.0	0.0
19	132 kV	RAJGHAT-LALITPUR	2	0	0	1.9	0.9	1.0
					WR-NR	42.7	217.2	-174.6
Import/Export of WR (With SR)								
1	HVDC	BHADRAWATI B/B	-	0	1019	0.0	15.4	-15.4
2	HVDC	RAIGARH-PUGALUR	2	0	1511	0.0	18.0	-18.0
3	765 kV	SOLAPUR-RAICHUR	2	1088	1811	0.0	19.0	-19.0
4	765 kV	WARDHA-NIZAMABAD	2	0	2551	0.0	38.5	-38.5
5	400 kV	KOLHAPUR-KUDGI	2	1346	0	16.2	0.0	16.2
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	56	2.1	0.0	2.1
					WR-SR	18.3	90.9	-72.6

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)	170	85	88	2.1
	ER	400kV TALA-BINAGURI 1,2,4 (& 400kV MALBASE - BINAGURI) i.e. BINAGURI RECEIPT (from TALA HEP (6*170MW)	79	36	79	2.1
	ER	220kV CHUKHA-BIRPARA 1&2 (& 220kV MALBASE - BIRPARA) i.e. BIRPARA RECEIPT (from CHUKHA HEP 4*84MW)	11	0	-15	-0.4
	NER	132KV-GEYLEGPHU - SALAKATI	-25	-10	15	0.4
	NER	132kV Motanga-Rangia	-7	-1	3	0.1
NEPAL	NR	132KV-TANAKPUR(NH) - MAHENDRANAGAR(PG)	-79	0	-65	-1.6
	ER	400KV-MUZAFFARPUR - DHALKEBAR DC	-264	-210	-264	-6.5
	ER	132KV-BIHAR - NEPAL	-265	-68	-175	-4.2
BANGLADESH	ER	BHERAMARA HVDC(BANGLADESH)	-851	-540	-754	-18.1
	NER	132KV-SURAJMANI NAGAR - COMILLA(BANGLADESH)-1	56	0	-43	-1.0
	NER	132KV-SURAJMANI NAGAR - COMILLA(BANGLADESH)-2	56	0	-43	-1.0