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: 19th 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 18.02.2021.

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 18-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 18th 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:** **19-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)	48361	50438	44026	19058	2527	164410
Peak Shortage (MW)	550	0	0	111	38	699
Energy Met (MU)	992	1196	1085	382	43	3698
Hydro Gen (MU)	106	31	83	34	8	263
Wind Gen (MU)	9	60	52	-	-	121
Solar Gen (MU)*	42.89	33.22	94.46	4.57	0.19	175
Energy Shortage (MU)	11.64	0.00	0.00	0.33	0.14	12.11
Maximum Demand Met During the Day (MW) (From NLDC SCADA)	50062	57498	54204	19192	2621	179637
Time Of Maximum Demand Met (From NLDC SCADA)	09:14	10:45	09:11	18:36	18:16	09:12

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	0.039	0.00	0.00	11.76	11.76	77.56	10.68

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	6250	0	124.9	60.5	-0.9	134	0.00
	Haryana	6539	50	133.8	98.3	1.4	165	0.02
	Rajasthan	13793	0	259.7	84.6	0.3	416	0.00
	Delhi	3664	0	62.5	46.9	-1.5	117	0.00
	UP	16153	0	283.1	87.8	-1.5	107	0.42
	Uttarakhand	2062	0	39.3	22.5	0.4	125	0.00
	HP	1840	0	32.6	27.4	0.5	216	0.00
	J&K(UT) & Ladakh(UT)	2612	550	53.3	47.2	0.4	170	11.20
	Chandigarh	211	0	3.2	3.3	-0.1	18	0.00
WR	Chhattisgarh	3970	0	87.1	40.8	-0.7	361	0.00
	Gujarat	16759	0	356.1	132.1	-0.7	524	0.00
	MP	12915	0	245.2	149.4	-2.1	499	0.00
	Maharashtra	22301	0	450.4	143.6	-4.9	479	0.00
	Goa	467	0	10.3	9.9	-0.2	26	0.00
	DD	343	0	7.7	7.5	0.2	27	0.00
	DNH	866	0	20.0	19.9	0.1	41	0.00
	AMNSIL	839	0	19.1	1.3	1.4	350	0.00
SR	Andhra Pradesh	10357	0	193.8	59.5	-0.1	437	0.00
	Telangana	13049	0	247.2	132.6	-0.1	742	0.00
	Karnataka	13432	0	245.5	83.7	-1.5	541	0.00
	Kerala	3848	0	78.4	52.1	0.2	268	0.00
	Tamil Nadu	14644	0	313.6	202.5	-0.3	561	0.00
	Puducherry	346	0	7.1	7.3	-0.2	22	0.00
ER	Bihar	4328	0	83.0	76.1	-1.3	238	0.00
	DVC	2956	0	66.2	-47.6	-0.3	527	0.00
	Jharkhand	1420	111	24.5	19.5	-3.3	94	0.33
	Odisha	4115	0	76.4	19.8	-1.2	515	0.00
	West Bengal	6908	0	130.3	28.4	-0.6	239	0.00
	Sikkim	97	0	1.4	1.8	-0.4	37	0.00
NER	Arunachal Pradesh	150	1	2.3	2.2	0.0	50	0.01
	Assam	1482	10	24.7	19.8	0.2	86	0.10
	Manipur	231	1	2.3	3.0	-0.7	41	0.01
	Meghalaya	354	0	6.4	4.4	0.1	50	0.00
	Mizoram	110	1	1.5	1.5	-0.3	25	0.01
	Nagaland	139	2	2.2	2.1	0.0	18	0.01
	Tripura	224	0	3.6	1.9	-0.1	30	0.00

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

	Bhutan	Nepal	Bangladesh
Actual (MU)	4.8	-13.3	-20.9
Day Peak (MW)	279.0	-648.2	-983.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	232.6	-268.8	158.3	-124.1	1.9	0.0
Actual(MU)	229.1	-290.3	177.9	-128.3	2.7	-8.8
O/D/U/D(MU)	-3.5	-21.5	19.6	-4.2	0.8	-8.8

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	TOTAL	% Share
Central Sector	6662	12183	6222	1365	625	27057	40
State Sector	13193	12584	9462	5015	11	40264	60
Total	19855	24766	15684	6380	636	67321	100

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India	% Share
Coal	527	1299	551	507	8	2892	76
Lignite	24	10	43	0	0	77	2
Hydro	106	31	83	34	8	263	7
Nuclear	18	22	47	0	0	86	2
Gas, Naptha & Diesel	30	49	11	0	29	120	3
RES (Wind, Solar, Biomass & Others)	79	94	185	5	0	363	10
Total	785	1505	919	546	46	3800	100

Share of RES in total generation (%)	10.05	6.24	20.13	0.83	0.42	9.54
Share of Non-fossil fuel (Hydro,Nuclear and RES) in total generation(%)	25.91	9.76	34.21	7.02	18.56	18.72

H. All India Demand Diversity Factor

Based on Regional Max Demands	1.022
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: 19-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	735	0.0	10.6	-10.6
4	765 kV	SASARAM-FATEHPUR	1	0	369	0.0	5.2	-5.2
5	765 kV	GAYA-BALIA	1	0	482	0.0	7.1	-7.1
6	400 kV	PUSAULI-VARANASI	1	0	222	0.0	4.9	-4.9
7	400 kV	PUSAULI -ALLAHABAD	1	0	74	0.0	1.2	-1.2
8	400 kV	MUZAFFARPUR-GORAKHPUR	2	0	708	0.0	8.6	-8.6
9	400 kV	PATNA-BALIA	4	0	1274	0.0	17.4	-17.4
10	400 kV	BIHARSHARIFF-BALIA	2	0	427	0.0	5.5	-5.5
11	400 kV	MOTIHARI-GORAKHPUR	2	0	338	0.0	5.7	-5.7
12	400 kV	BIHARSHARIFF-VARANASI	2	61	203	0.0	1.3	-1.3
13	220 kV	PUSAULI-SAHUPURI	1	57	73	0.0	0.3	-0.3
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	73.8	-73.2
Import/Export of ER (With WR)								
1	765 kV	JHARSUGUDA-DHARAMJAIGARH	4	887	121	9.7	0.0	9.7
2	765 kV	NEW RANCHI-DHARAMJAIGARH	2	832	554	3.5	0.0	3.5
3	765 kV	JHARSUGUDA-DURG	2	3	306	0.0	3.9	-3.9
4	400 kV	JHARSUGUDA-RAIGARH	4	278	212	0.0	1.0	-1.0
5	400 kV	RANCHI-SIPAT	2	236	176	0.6	0.0	0.6
6	220 kV	BUDHIPADAR-RAIGARH	1	0	142	0.0	1.9	-1.9
7	220 kV	BUDHIPADAR-KORBA	2	151	0	2.2	0.0	2.2
					ER-WR	16.0	6.8	9.2
Import/Export of ER (With SR)								
1	HVDC	JEYPORE-GAZUWAKA B/B	2	0	653	0.0	15.1	-15.1
2	HVDC	TALCHER-KOLAR BIPOLE	2	0	2470	0.0	43.7	-43.7
3	765 kV	ANGUL-SRIKAKULAM	2	0	2845	0.0	53.7	-53.7
4	400 kV	TALCHER-I/C	2	0	1106	0.0	10.0	-10.0
5	220 kV	BALIMELA-UPPER-SILERRU	1	1	0	0.0	0.0	0.0
					ER-SR	0.0	112.5	-112.5
Import/Export of ER (With NER)								
1	400 kV	BINAGURI-BONGAIGAON	2	231	48	2.6	0.0	2.6
2	400 kV	ALIPURDUAR-BONGAIGAON	2	379	51	4.6	0.0	4.6
3	220 kV	ALIPURDUAR-SALAKATI	2	58	11	0.7	0.0	0.7
					ER-NER	7.9	0.0	7.9
Import/Export of NER (With NR)								
1	HVDC	BISWANATH CHARIALI-AGRA	2	467	0	11.0	0.0	11.0
					NER-NR	11.0	0.0	11.0
Import/Export of WR (With NR)								
1	HVDC	CHAMPA-KURUKSHETRA	2	0	1250	0.0	44.0	-44.0
2	HVDC	VINDHYACHAL B/B	-	241	0	6.0	0.0	6.0
3	HVDC	MUNDRA-MOHINDERGARH	2	0	1458	0.0	29.9	-29.9
4	765 kV	GWALIOR-AGRA	2	0	2459	0.0	39.8	-39.8
5	765 kV	PHAGI-GWALIOR	2	0	1273	0.0	22.2	-22.2
6	765 kV	JABALPUR-ORAI	2	859	917	0.0	29.7	-29.7
7	765 kV	GWALIOR-ORAI	1	650	0	11.3	0.0	11.3
8	765 kV	SATNA-ORAI	1	0	1419	0.0	27.9	-27.9
9	765 kV	CHITORGARH-BANASKANTHA	2	505	893	1.6	7.6	-6.0
10	400 kV	ZERDA-KANKROLI	1	53	94	0.3	0.0	0.3
11	400 kV	ZERDA -BHINMAL	1	144	275	0.0	2.4	-2.4
12	400 kV	VINDHYACHAL -RIHAND	1	490	0	11.3	0.0	11.3
13	400 kV	RAPP-SHUJALPUR	2	52	369	0.1	4.3	-4.2
14	220 kV	BHANPURA-RANPUR	1	0	205	0.0	2.7	-2.7
15	220 kV	BHANPURA-MORAK	1	0	30	0.0	0.7	-0.7
16	220 kV	MEHGAON-AURAIYA	1	121	0	2.7	1.8	1.0
17	220 kV	MALANPUR-AURAIYA	1	77	8	2.7	0.0	2.7
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	0.8	-0.8
					WR-NR	35.9	213.9	-178.0
Import/Export of WR (With SR)								
1	HVDC	BHADRAWATI B/B	-	0	1016	0.0	16.5	-16.5
2	HVDC	RAIGARH-PUGALUR	2	0	1511	0.0	25.4	-25.4
3	765 kV	SOLAPUR-RAICHUR	2	282	1948	0.0	23.2	-23.2
4	765 kV	WARDHA-NIZAMABAD	2	0	3071	0.0	52.0	-52.0
5	400 kV	KOLHAPUR-KUDGI	2	986	0	12.8	0.0	12.8
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	123	2.1	0.0	2.1
					WR-SR	14.9	117.0	-102.1

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)	98	94	97	2.3
	ER	400kV TALA-BINAGURI 1,2,4 (& 400kV MALBASE - BINAGURI) i.e. BINAGURI RECEIPT (from TALA HEP (6*170MW)	109	79	109	2.9
	ER	220kV CHUKHA-BIRPARA 1&2 (& 220kV MALBASE - BIRPARA) i.e. BIRPARA RECEIPT (from CHUKHA HEP 4*84MW)	20	4	-17	-0.4
	NER	132KV-GEYLEGPHU - SALAKATI	33	0	10	0.2
	NER	132kV Motanga-Rangia	20	6	8	0.2
NEPAL	NR	132KV-TANAKPUR(NH) - MAHENDRANAGAR(PG)	-81	0	-73	-1.8
	ER	400KV-MUZAFFARPUR - DHALKEBAR DC	-293	-197	-273	-6.6
	ER	132KV-BIHAR - NEPAL	-274	-37	-207	-5.0
	ER	BHERAMARA HVDC(BANGLADESH)	-866	-552	-773	-18.6
BANGLADESH	NER	132KV-SURAJMANI NAGAR - COMILLA(BANGLADESH)-1	59	0	-48	-1.2
	NER	132KV-SURAJMANI NAGAR - COMILLA(BANGLADESH)-2	58	0	-48	-1.2