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: 6th 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 05.02.2021.

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 05-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 5th 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: 06-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)	50294	53301	43645	19408	2551	169199
Peak Shortage (MW)	1079	0	0	0	30	1109
Energy Met (MU)	1003	1269	1052	388	44	3756
Hydro Gen (MU)	92	51	85	34	11	273
Wind Gen (MU)	10	70	48	-	-	128
Solar Gen (MU)*	38.84	33.90	111.06	4.31	0.21	188
Energy Shortage (MU)	11.46	0.50	0.00	0.00	0.54	12.50
Maximum Demand Met During the Day (MW) (From NLDC SCADA)	52393	61677	52551	19575	2635	184343
Time Of Maximum Demand Met (From NLDC SCADA)	10:10	11:18	10:23	18:23	18:08	09:52

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	0.044	0.00	1.44	7.12	8.55	73.12	18.32

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	6853	0	129.2	51.9	-1.0	85	0.00
	Haryana	6322	0	130.0	76.5	0.6	238	0.26
	Rajasthan	14033	0	267.9	96.8	4.3	590	0.00
	Delhi	4420	0	70.4	56.4	-1.2	212	0.00
	UP	16075	0	276.4	77.4	3.1	216	0.00
	Uttarakhand	2069	0	38.4	23.3	-0.3	152	0.00
	HP	1761	0	32.1	25.8	0.9	251	0.00
	J&K(UT) & Ladakh(UT)	2641	550	55.1	49.2	1.3	250	11.20
	Chandigarh	253	0	3.9	3.7	0.2	64	0.00
WR	Chhattisgarh	4372	0	95.4	44.9	-0.2	243	0.50
	Gujarat	16646	0	352.2	110.4	-1.7	529	0.00
	MP	14821	0	282.8	172.3	-1.7	749	0.00
	Maharashtra	23774	0	484.4	146.7	-1.3	519	0.00
	Goa	482	0	10.0	9.7	-0.2	27	0.00
	DD	343	0	7.7	7.4	0.3	31	0.00
	DNH	826	0	18.1	18.3	-0.2	76	0.00
	AMNSIL	827	0	18.0	4.8	0.0	299	0.00
SR	Andhra Pradesh	9831	0	187.8	76.5	1.9	740	0.00
	Telangana	13036	0	244.1	110.2	0.7	690	0.00
	Karnataka	12819	0	239.5	89.0	0.1	650	0.00
	Kerala	3588	0	74.1	52.1	0.4	790	0.00
	Tamil Nadu	14330	0	299.1	182.0	-1.1	544	0.00
	Puducherry	379	0	7.7	7.9	-0.2	26	0.00
ER	Bihar	4846	0	89.7	77.7	2.0	513	0.00
	DVC	3143	0	67.7	-43.6	0.4	304	0.00
	Jharkhand	1452	0	28.7	20.0	0.5	196	0.00
	Odisha	3932	0	71.6	1.7	0.0	543	0.00
	West Bengal	6905	0	129.2	10.9	-0.6	314	0.00
	Sikkim	109	0	1.6	1.9	-0.3	20	0.00
NER	Arunachal Pradesh	133	1	2.4	2.5	-0.3	17	0.01
	Assam	1454	20	23.8	19.6	-0.5	98	0.50
	Manipur	228	1	3.0	3.2	-0.2	28	0.01
	Meghalaya	381	0	7.1	4.3	0.7	34	0.00
	Mizoram	125	1	1.7	1.6	-0.2	24	0.01
	Nagaland	124	2	2.5	2.1	0.3	19	0.01
	Tripura	222	3	3.7	2.3	-0.4	33	0.00

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

	Bhutan	Nepal	Bangladesh
Actual (MU)	3.4	-13.6	-14.3
Day Peak (MW)	180.0	-691.5	-932.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	227.3	-222.3	134.2	-139.2	-0.1	0.0
Actual(MU)	218.4	-226.7	135.7	-131.5	0.3	-3.8
O/D/U/D(MU)	-8.9	-4.4	1.4	7.7	0.3	-3.8

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	TOTAL	% Share
Central Sector	6124	15300	6512	2195	739	30870	43
State Sector	10806	14811	9967	4735	11	40329	57
Total	16930	30110	16479	6930	750	71198	100

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India	% Share
Coal	561	1295	543	507	7	2913	76
Lignite	26	10	46	0	0	82	2
Hydro	92	51	85	34	11	273	7
Nuclear	18	16	46	0	0	81	2
Gas, Naptha & Diesel	26	30	12	0	31	98	3
RES (Wind, Solar, Biomass & Others)	75	105	195	4	0	380	10
Total	798	1507	926	545	49	3826	100

Share of RES in total generation (%)	9.44	6.98	21.01	0.80	0.43	9.93
Share of Non-fossil fuel (Hydro,Nuclear and RES) in total generation(%)	23.30	11.42	35.17	7.06	22.14	19.17

H. All India Demand Diversity Factor

Based on Regional Max Demands	1.024
Based on State Max Demands	1.050

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: 06-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	249	0.0	6.1	-6.1
3	765 kV	GAYA-VARANASI	2	12	960	0.0	10.9	-10.9
4	765 kV	SASARAM-FATEHPUR	1	47	404	0.0	4.2	-4.2
5	765 kV	GAYA-BALIA	1	0	491	0.0	6.4	-6.4
6	400 kV	PUSAULI-VARANASI	1	0	230	0.0	4.7	-4.7
7	400 kV	PUSAULI -ALLAHABAD	1	0	92	0.0	1.2	-1.2
8	400 kV	MUZAFFARPUR-GORAKHPUR	2	0	877	0.0	9.2	-9.2
9	400 kV	PATNA-BALIA	4	0	996	0.0	13.0	-13.0
10	400 kV	BIHARSHARIFF-BALIA	2	0	368	0.0	4.1	-4.1
11	400 kV	MOTIHARI-GORAKHPUR	2	0	361	0.0	5.6	-5.6
12	400 kV	BIHARSHARIFF-VARANASI	2	104	299	0.0	0.7	-0.7
13	220 kV	PUSAULI-SAHUPURI	1	0	101	0.0	1.5	-1.5
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	67.5	-66.8
Import/Export of ER (With WR)								
1	765 kV	JHARSUGUDA-DHARAMJAIGARH	4	785	326	4.8	0.0	4.8
2	765 kV	NEW RANCHI-DHARAMJAIGARH	2	688	589	2.1	0.0	2.1
3	765 kV	JHARSUGUDA-DURG	2	116	322	0.0	3.4	-3.4
4	400 kV	JHARSUGUDA-RAIGARH	4	0	477	0.0	5.5	-5.5
5	400 kV	RANCHI-SIPAT	2	213	204	0.1	0.0	0.1
6	220 kV	BUDHIPADAR-RAIGARH	1	0	160	0.0	2.2	-2.2
7	220 kV	BUDHIPADAR-KORBA	2	129	57	0.9	0.0	0.9
					ER-WR	8.0	11.1	-3.1
Import/Export of ER (With SR)								
1	HVDC	JEYPORE-GAZUWAKA B/B	2	0	535	0.0	10.8	-10.8
2	HVDC	TALCHER-KOLAR BIPOLE	2	0	1987	0.0	42.3	-42.3
3	765 kV	ANGUL-SRIKAKULAM	2	0	2767	0.0	52.4	-52.4
4	400 kV	TALCHER-I/C	2	0	1012	0.0	11.4	-11.4
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	197	104	1.9	0.0	1.9
2	400 kV	ALIPURDUAR-BONGAIGAON	2	337	106	3.5	0.0	3.5
3	220 kV	ALIPURDUAR-SALAKATI	2	56	27	0.6	0.0	0.6
					ER-NER	6.0	0.0	6.0
Import/Export of NER (With NR)								
1	HVDC	BISWANATH CHARIALI-AGRA	2	288	0	7.0	0.0	7.0
					NER-NR	7.0	0.0	7.0
Import/Export of WR (With NR)								
1	HVDC	CHAMPA-KURUKSHETRA	2	0	751	0.0	39.1	-39.1
2	HVDC	VINDHYACHAL B/B	-	239	106	3.1	1.2	1.8
3	HVDC	MUNDRA-MOHINDERGARH	2	0	1739	0.0	41.6	-41.6
4	765 kV	GWALIOR-AGRA	2	0	2498	0.0	30.8	-30.8
5	765 kV	PHAGI-GWALIOR	2	0	1484	0.0	20.7	-20.7
6	765 kV	JABALPUR-ORAI	2	0	1145	0.0	29.0	-29.0
7	765 kV	GWALIOR-ORAI	1	655	0	11.2	0.0	11.2
8	765 kV	SATNA-ORAI	1	0	1264	0.0	20.9	-20.9
9	765 kV	CHITORGARH-BANASKANTHA	2	646	1072	0.0	4.0	-4.0
10	400 kV	ZERDA-KANKROLI	1	176	190	0.5	0.0	0.5
11	400 kV	ZERDA -BHINMAL	1	188	434	0.0	2.4	-2.4
12	400 kV	VINDHYACHAL -RIHAND	1	488	0	11.2	0.0	11.2
13	400 kV	RAPP-SHUJALPUR	2	187	612	0.7	4.2	-3.5
14	220 kV	BHANPURA-RANPUR	1	9	144	0.0	1.8	-1.8
15	220 kV	BHANPURA-MORAK	1	0	30	0.0	0.7	-0.7
16	220 kV	MEHGAON-AURAIYA	1	142	0	2.0	0.0	2.0
17	220 kV	MALANPUR-AURAIYA	1	94	0	1.1	0.0	1.1
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	29.7	197.5	-167.8
Import/Export of WR (With SR)								
1	HVDC	BHADRAWATI B/B	-	693	1012	4.2	7.3	-3.1
2	HVDC	RAIGARH-PUGALUR	2	0	1008	0.0	5.0	-5.0
3	765 kV	SOLAPUR-RAICHUR	2	146	2058	0.0	26.9	-26.9
4	765 kV	WARDHA-NIZAMABAD	2	0	3011	0.0	49.8	-49.8
5	400 kV	KOLHAPUR-KUDGI	2	1384	0	21.9	0.0	21.9
6	220 kV	KOLHAPUR-CHIKODI	2	0	0	0.0	0.0	0.0
7	220 kV	PONDA-AMBEWADI	1	1	0	0.0	0.0	0.0
8	220 kV	XELDEM-AMBEWADI	1	0	54	1.0	0.0	1.0
					WR-SR	27.2	89.0	-61.9

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)	153	84	97	2.3
	ER	400kV TALA-BINAGURI 1,2,4 (& 400kV MALBASE - BINAGURI) i.e. BINAGURI RECEIPT (from TALA HEP (6*170MW)	83	0	76	1.8
	ER	220kV CHUKHA-BIRPARA 1&2 (& 220kV MALBASE - BIRPARA) i.e. BIRPARA RECEIPT (from CHUKHA HEP 4*84MW)	0	0	0	-0.7
	NER	132KV-GEYLEGPHU - SALAKATI	-30	-12	18	0.4
	NER	132kV Motanga-Rangia	-20	-12	15	0.4
NEPAL	NR	132KV-TANAKPUR(NH) - MAHENDRANAGAR(PG)	-83	0	-45	-1.1
	ER	400KV-MUZAFFARPUR - DHALKEBAR DC	-283	-210	-269	-6.5
	ER	132KV-BIHAR - NEPAL	-326	-167	-254	-6.1
BANGLADESH	ER	BHERAMARA HVDC(BANGLADESH)	-820	-432	-522	-12.5
	NER	132KV-SURAJMANI NAGAR - COMILLA(BANGLADESH)-1	56	0	-38	-0.9
	NER	132KV-SURAJMANI NAGAR - COMILLA(BANGLADESH)-2	56	0	-38	-0.9