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: 7th 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 06.02.2021.

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 06-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 6th 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:** **07-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)	49020	53475	42814	18834	2547	166690
Peak Shortage (MW)	1196	31	0	0	46	1273
Energy Met (MU)	1015	1262	1043	382	44	3745
Hydro Gen (MU)	100	53	80	33	9	276
Wind Gen (MU)	5	96	42	-	-	142
Solar Gen (MU)*	44.13	37.13	108.38	4.24	0.19	194
Energy Shortage (MU)	11.82	0.10	0.00	0.00	0.54	12.46
Maximum Demand Met During the Day (MW) (From NLDC SCADA)	52747	60684	52105	19612	2615	184416
Time Of Maximum Demand Met (From NLDC SCADA)	09:24	09:41	09:33	17:59	18:21	09:37

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	0.029	0.00	0.00	4.07	4.07	77.56	18.37

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	7020	0	134.5	54.0	-0.8	160	0.00
	Haryana	6399	0	132.8	79.4	0.6	170	0.00
	Rajasthan	14223	0	266.5	102.4	2.1	482	0.58
	Delhi	4014	0	64.1	49.9	-2.3	187	0.00
	UP	16368	0	280.5	88.1	-3.1	292	0.04
	Uttarakhand	2216	0	40.4	24.9	-0.3	158	0.00
	HP	1819	0	36.9	27.2	1.0	210	0.00
	J&K(UT) & Ladakh(UT)	2781	0	55.7	50.0	0.5	368	11.20
	Chandigarh	232	0	3.6	3.7	-0.1	17	0.00
WR	Chhattisgarh	4447	0	95.5	45.0	0.3	214	0.10
	Gujarat	16393	0	348.3	96.5	0.8	735	0.00
	MP	14367	0	278.1	168.3	0.0	805	0.00
	Maharashtra	23225	0	484.6	139.1	-0.5	887	0.00
	Goa	473	0	9.9	9.7	-0.3	29	0.00
	DD	337	0	7.6	7.3	0.3	24	0.00
	DNH	834	0	19.4	19.2	0.2	38	0.00
	AMNSIL	827	0	18.2	5.4	-0.1	257	0.00
SR	Andhra Pradesh	9515	0	187.1	81.2	-0.5	465	0.00
	Telangana	12842	0	241.7	110.6	0.5	521	0.00
	Karnataka	12808	0	239.1	90.4	1.1	946	0.00
	Kerala	3589	0	74.1	52.6	0.1	401	0.00
	Tamil Nadu	13556	0	293.0	182.9	-0.6	467	0.00
	Puducherry	380	0	7.8	7.9	-0.1	21	0.00
ER	Bihar	4764	0	83.4	76.9	-2.4	187	0.00
	DVC	3188	0	66.6	-45.4	-1.4	366	0.00
	Jharkhand	1408	0	26.5	19.4	-1.0	132	0.00
	Odisha	3837	0	74.0	2.2	0.7	344	0.00
	West Bengal	6912	0	129.4	8.9	-0.6	443	0.00
	Sikkim	133	0	1.9	1.9	0.0	33	0.00
NER	Arunachal Pradesh	135	2	2.3	2.4	-0.2	29	0.01
	Assam	1458	16	24.2	19.5	-0.1	132	0.50
	Manipur	233	2	2.9	3.2	-0.3	23	0.01
	Meghalaya	363	0	6.7	4.6	0.3	48	0.00
	Mizoram	122	1	1.7	1.6	-0.2	14	0.01
	Nagaland	129	1	2.2	2.1	0.0	19	0.01
	Tripura	225	0	3.6	2.1	-0.3	40	0.00

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

	Bhutan	Nepal	Bangladesh
Actual (MU)	3.1	-13.1	-19.1
Day Peak (MW)	192.0	-630.9	-1038.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	227.9	-236.6	146.2	-138.1	0.7	0.0
Actual(MU)	223.6	-231.9	145.1	-138.7	1.8	-0.1
O/D/U/D(MU)	-4.3	4.8	-1.1	-0.6	1.1	-0.1

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	TOTAL	% Share
Central Sector	5624	16170	6862	2195	774	31624	44
State Sector	10596	15461	9167	4525	11	39759	56
Total	16220	31630	16029	6720	785	71383	100

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India	% Share
Coal	567	1267	535	515	7	2891	76
Lignite	24	10	46	0	0	80	2
Hydro	100	53	80	33	9	276	7
Nuclear	18	16	47	0	0	80	2
Gas, Naptha & Diesel	28	28	11	0	30	98	3
RES (Wind, Solar, Biomass & Others)	75	134	189	4	0	402	11
Total	813	1509	908	553	46	3828	100

Share of RES in total generation (%)	9.21	8.90	20.77	0.77	0.41	10.50
Share of Non-fossil fuel (Hydro,Nuclear and RES) in total generation(%)	23.78	13.46	34.72	6.81	20.25	19.82

H. All India Demand Diversity Factor

Based on Regional Max Demands	1.018
Based on State Max Demands	1.039

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: 07-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	0	885	0.0	11.7	-11.7
4	765 kV	SASARAM-FATEHPUR	1	18	378	0.0	4.4	-4.4
5	765 kV	GAYA-BALIA	1	0	530	0.0	8.3	-8.3
6	400 kV	PUSAULI-VARANASI	1	0	244	0.0	4.8	-4.8
7	400 kV	PUSAULI -ALLAHABAD	1	0	82	0.0	1.1	-1.1
8	400 kV	MUZAFFARPUR-GORAKHPUR	2	0	846	0.0	9.9	-9.9
9	400 kV	PATNA-BALIA	4	0	971	0.0	15.0	-15.0
10	400 kV	BIHARSHARIFF-BALIA	2	0	381	0.0	4.5	-4.5
11	400 kV	MOTIHARI-GORAKHPUR	2	0	373	0.0	6.2	-6.2
12	400 kV	BIHARSHARIFF-VARANASI	2	132	223	0.0	1.2	-1.2
13	220 kV	PUSAULI-SAHUPURI	1	0	151	0.0	1.4	-1.4
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	74.6	-73.9
Import/Export of ER (With WR)								
1	765 kV	JHARSUGUDA-DHARAMJAIGARH	4	650	348	5.3	0.0	5.3
2	765 kV	NEW RANCHI-DHARAMJAIGARH	2	740	401	3.3	0.0	3.3
3	765 kV	JHARSUGUDA-DURG	2	32	252	0.0	3.3	-3.3
4	400 kV	JHARSUGUDA-RAIGARH	4	0	558	0.0	6.4	-6.4
5	400 kV	RANCHI-SIPAT	2	197	194	0.2	0.0	0.2
6	220 kV	BUDHIPADAR-RAIGARH	1	0	154	0.0	2.0	-2.0
7	220 kV	BUDHIPADAR-KORBA	2	123	32	1.1	0.0	1.1
					ER-WR	9.9	11.6	-1.7
Import/Export of ER (With SR)								
1	HVDC	JEYPORE-GAZUWAKA B/B	2	687	321	0.0	7.4	-7.4
2	HVDC	TALCHER-KOLAR BIPOLE	2	0	2483	0.0	43.3	-43.3
3	765 kV	ANGUL-SRIKAKULAM	2	0	2737	0.0	55.5	-55.5
4	400 kV	TALCHER-I/C	2	77	1112	0.0	11.1	-11.1
5	220 kV	BALIMELA-UPPER-SILERRU	1	1	0	0.0	0.0	0.0
					ER-SR	0.0	106.2	-106.2
Import/Export of ER (With NER)								
1	400 kV	BINAGURI-BONGAIGAON	2	211	89	1.4	0.0	1.4
2	400 kV	ALIPURDUAR-BONGAIGAON	2	398	98	2.4	0.0	2.4
3	220 kV	ALIPURDUAR-SALAKATI	2	67	28	0.4	0.0	0.4
					ER-NER	4.2	0.0	4.2
Import/Export of NER (With NR)								
1	HVDC	BISWANATH CHARIALI-AGRA	2	481	0	7.3	0.0	7.3
					NER-NR	7.3	0.0	7.3
Import/Export of WR (With NR)								
1	HVDC	CHAMPA-KURUKSHETRA	2	0	501	0.0	30.2	-30.2
2	HVDC	VINDHYACHAL B/B	-	239	0	6.0	0.0	6.0
3	HVDC	MUNDRA-MOHINDERGARH	2	0	1460	0.0	32.9	-32.9
4	765 kV	GWALIOR-AGRA	2	0	2375	0.0	35.7	-35.7
5	765 kV	PHAGI-GWALIOR	2	0	1482	0.0	22.5	-22.5
6	765 kV	JABALPUR-ORAI	2	0	1029	0.0	31.3	-31.3
7	765 kV	GWALIOR-ORAI	1	605	0	11.1	0.0	11.1
8	765 kV	SATNA-ORAI	1	0	1194	0.0	22.5	-22.5
9	765 kV	CHITORGARH-BANASKANTHA	2	397	798	1.0	9.2	-8.2
10	400 kV	ZERDA-KANKROLI	1	126	118	0.0	0.3	-0.3
11	400 kV	ZERDA -BHINMAL	1	38	353	0.0	3.9	-3.9
12	400 kV	VINDHYACHAL -RIHAND	1	484	0	11.2	0.0	11.2
13	400 kV	RAPP-SHUJALPUR	2	20	465	0.0	4.0	-4.0
14	220 kV	BHANPURA-RANPUR	1	0	190	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	141	0	2.0	2.0	0.0
17	220 kV	MALANPUR-AURAIYA	1	89	0	1.2	0.0	1.2
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	1.0	-1.0
					WR-NR	32.4	195.4	-163.0
Import/Export of WR (With SR)								
1	HVDC	BHADRAWATI B/B	-	293	1016	0.0	10.1	-10.1
2	HVDC	RAIGARH-PUGALUR	2	0	1511	0.0	12.2	-12.2
3	765 kV	SOLAPUR-RAICHUR	2	241	2201	0.0	24.7	-24.7
4	765 kV	WARDHA-NIZAMABAD	2	0	2802	0.0	45.4	-45.4
5	400 kV	KOLHAPUR-KUDGI	2	1391	0	19.5	0.0	19.5
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	55	2.0	0.0	2.0
					WR-SR	21.6	92.4	-70.8

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)	169	84	96	2.3
	ER	400kV TALA-BINAGURI 1,2,4 (& 400kV MALBASE - BINAGURI) i.e. BINAGURI RECEIPT (from TALA HEP (6*170MW)	77	0	68	1.6
	ER	220kV CHUKHA-BIRPARA 1&2 (& 220kV MALBASE - BIRPARA) i.e. BIRPARA RECEIPT (from CHUKHA HEP 4*84MW)	0	0	0	-0.8
	NER	132KV-GEYLEGPHU - SALAKATI	-29	-12	18	0.4
	NER	132kV Motanga-Rangia	-21	-5	12	0.3
NEPAL	NR	132KV-TANAKPUR(NH) - MAHENDRANAGAR(PG)	-80	0	-72	-1.7
	ER	400KV-MUZAFFARPUR - DHALKEBAR DC	-280	-214	-269	-6.5
	ER	132KV-BIHAR - NEPAL	-271	-99	-203	-4.9
BANGLADESH	ER	BHERAMARA HVDC(BANGLADESH)	-926	-536	-713	-17.1
	NER	132KV-SURAJMANI NAGAR - COMILLA(BANGLADESH)-1	56	0	-42	-1.0
	NER	132KV-SURAJMANI NAGAR - COMILLA(BANGLADESH)-2	56	0	-42	-1.0