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: 26th Jan 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 25.01.2021.

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 25-जनवरी -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 25th January 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:** **26-Jan-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)	52571	52546	42347	19252	2516	169232
Peak Shortage (MW)	680	0	150	147	19	996
Energy Met (MU)	1036	1266	1005	379	43	3729
Hydro Gen (MU)	94	52	73	34	12	265
Wind Gen (MU)	12	67	33	-	-	112
Solar Gen (MU)*	36.46	33.23	108.47	4.59	0.15	183
Energy Shortage (MU)	13.08	0.00	0.62	0.44	0.14	14.28
Maximum Demand Met During the Day (MW) (From NLDC SCADA)	55614	61795	51132	19332	2578	186079
Time Of Maximum Demand Met (From NLDC SCADA)	10:14	10:36	11:30	18:31	18:05	10:56

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	0.031	0.00	0.00	2.01	2.01	72.43	25.56

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	6774	0	127.5	54.4	-0.8	157	0.00
	Haryana	6591	0	132.3	82.3	0.9	240	0.00
	Rajasthan	13996	0	263.0	89.3	2.0	491	0.00
	Delhi	4785	0	75.1	63.7	-1.1	238	0.00
	UP	17938	0	303.8	96.1	-0.6	459	0.58
	Uttarakhand	2249	0	40.9	24.8	0.3	140	0.10
	HP	1863	0	32.6	27.4	-0.1	326	0.00
	J&K(UT) & Ladakh(UT)	2874	600	56.4	50.7	0.5	352	12.40
	Chandigarh	251	0	4.0	4.1	-0.1	29	0.00
WR	Chhattisgarh	4398	0	95.4	46.1	0.3	407	0.00
	Gujarat	16658	0	344.4	98.9	0.3	621	0.00
	MP	15001	0	289.7	168.6	-2.0	705	0.00
	Maharashtra	23634	0	483.0	152.8	-3.6	600	0.00
	Goa	499	0	10.4	10.1	-0.3	40	0.00
	DD	327	0	7.3	7.2	0.1	17	0.00
	DNH	823	0	19.2	19.4	-0.2	42	0.00
	AMNSIL	744	0	16.1	10.4	-0.6	255	0.00
SR	Andhra Pradesh	9700	0	183.7	76.5	0.8	815	0.00
	Telangana	12594	0	236.9	120.4	0.7	972	0.00
	Karnataka	12151	0	229.8	80.2	0.1	527	0.00
	Kerala	3625	150	72.4	48.2	1.2	308	0.62
	Tamil Nadu	13444	0	275.5	154.7	-0.4	434	0.00
	Puducherry	362	0	7.2	7.5	-0.3	31	0.00
ER	Bihar	4986	0	91.0	78.8	1.5	379	0.00
	DVC	3136	0	69.4	-45.7	1.6	196	0.00
	Jharkhand	1451	147	26.2	19.4	-1.8	218	0.44
	Odisha	4033	0	74.5	-0.9	0.2	417	0.00
	West Bengal	6637	0	116.2	3.8	-0.9	382	0.00
	Sikkim	127	0	1.9	1.9	0.0	24	0.00
NER	Arunachal Pradesh	145	1	2.2	2.5	-0.4	39	0.01
	Assam	1395	12	24.0	19.0	0.1	120	0.10
	Manipur	233	1	2.8	3.4	-0.6	22	0.01
	Meghalaya	383	0	6.7	4.6	0.0	239	0.00
	Mizoram	125	1	1.5	1.7	-0.4	18	0.01
	Nagaland	132	1	2.1	2.0	0.0	22	0.01
	Tripura	222	0	3.6	2.3	-0.2	45	0.00

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

	Bhutan	Nepal	Bangladesh
Actual (MU)	4.3	-12.8	-18.8
Day Peak (MW)	276.0	-670.2	-1030.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	255.0	-257.2	122.1	-119.4	-0.5	0.0
Actual(MU)	250.2	-273.2	127.4	-113.9	-2.5	-12.0
O/D/U/D(MU)	-4.8	-16.0	5.3	5.5	-2.0	-12.0

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	TOTAL	% Share
Central Sector	6556	12963	6832	2980	509	29839	46
State Sector	9765	13183	8357	4195	11	35510	54
Total	16321	26145	15189	7175	520	65349	100

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India	% Share
Coal	570	1335	552	480	7	2944	77
Lignite	23	9	29	0	0	61	2
Hydro	94	52	73	34	12	265	7
Nuclear	18	24	46	0	0	88	2
Gas, Naptha & Diesel	24	31	10	0	31	96	3
RES (Wind, Solar, Biomass & Others)	76	102	181	5	0	363	10
Total	806	1553	890	519	50	3818	100

Share of RES in total generation (%)	9.44	6.55	20.31	0.89	0.30	9.52
Share of Non-fossil fuel (Hydro,Nuclear and RES) in total generation(%)	23.35	11.46	33.68	7.54	24.11	18.78

H. All India Demand Diversity Factor

Based on Regional Max Demands	1.023
Based on State Max Demands	1.044

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: 26-Jan-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	958	0.0	12.5	-12.5
4	765 kV	SASARAM-FATEHPUR	1	3	307	0.0	3.2	-3.2
5	765 kV	GAYA-BALIA	1	0	607	0.0	8.3	-8.3
6	400 kV	PUSAULI-VARANASI	1	0	253	0.0	5.2	-5.2
7	400 kV	PUSAULI -ALLAHABAD	1	0	89	0.0	0.8	-0.8
8	400 kV	MUZAFFARPUR-GORAKHPUR	2	0	842	0.0	10.3	-10.3
9	400 kV	PATNA-BALIA	4	0	1209	0.0	18.1	-18.1
10	400 kV	BIHARSHARIFF-BALIA	2	0	511	0.0	6.6	-6.6
11	400 kV	MOTIHARI-GORAKHPUR	2	0	346	0.0	6.3	-6.3
12	400 kV	BIHARSHARIFF-VARANASI	2	53	247	0.0	1.5	-1.5
13	220 kV	PUSAULI-SAHUPURI	1	87	35	0.6	0.0	0.6
14	132 kV	SONE NAGAR-RIHAND	1	0	0	0.0	0.0	0.0
15	132 kV	GARWAH-RIHAND	1	20	0	0.4	0.0	0.4
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	1.0	78.9	-77.9
Import/Export of ER (With WR)								
1	765 kV	JHARSUGUDA-DHARAMJAIGARH	4	1087	228	12.0	0.0	12.0
2	765 kV	NEW RANCHI-DHARAMJAIGARH	2	783	274	7.3	0.0	7.3
3	765 kV	JHARSUGUDA-DURG	2	43	269	0.0	2.1	-2.1
4	400 kV	JHARSUGUDA-RAIGARH	4	80	289	0.0	2.7	-2.7
5	400 kV	RANCHI-SIPAT	2	306	37	2.4	0.0	2.4
6	220 kV	BUDHIPADAR-RAIGARH	1	0	135	0.0	1.7	-1.7
7	220 kV	BUDHIPADAR-KORBA	2	124	23	1.4	0.0	1.4
					ER-WR	23.1	6.5	16.6
Import/Export of ER (With SR)								
1	HVDC	JEYPORE-GAZUWAKA B/B	2	0	595	0.0	10.0	-10.0
2	HVDC	TALCHER-KOLAR BIPOLE	2	0	2474	0.0	39.4	-39.4
3	765 kV	ANGUL-SRIKAKULAM	2	0	2753	0.0	49.9	-49.9
4	400 kV	TALCHER-I/C	2	281	1220	0.0	8.1	-8.1
5	220 kV	BALIMELA-UPPER-SILERRU	1	1	0	0.0	0.0	0.0
					ER-SR	0.0	99.3	-99.3
Import/Export of ER (With NER)								
1	400 kV	BINAGURI-BONGAIGAON	2	273	43	3.4	0.0	3.4
2	400 kV	ALIPURDUAR-BONGAIGAON	2	440	15	5.2	0.0	5.2
3	220 kV	ALIPURDUAR-SALAKATI	2	75	14	1.0	0.0	1.0
					ER-NER	9.5	0.0	9.5
Import/Export of NER (With NR)								
1	HVDC	BISWANATH CHARIALI-AGRA	2	487	0	9.4	0.0	9.4
					NER-NR	9.4	0.0	9.4
Import/Export of WR (With NR)								
1	HVDC	CHAMPA-KURUKSHETRA	2	0	2012	0.0	43.9	-43.9
2	HVDC	VINDHYACHAL B/B	-	239	250	3.3	2.6	0.7
3	HVDC	MUNDRA-MOHINDERGARH	2	0	1921	0.0	39.5	-39.5
4	765 kV	GWALIOR-AGRA	2	0	2854	0.0	41.9	-41.9
5	765 kV	PHAGI-GWALIOR	2	0	1480	0.0	22.2	-22.2
6	765 kV	JABALPUR-ORAI	2	0	1243	0.0	37.0	-37.0
7	765 kV	GWALIOR-ORAI	1	788	0	13.2	0.0	13.2
8	765 kV	SATNA-ORAI	1	0	1353	0.0	25.1	-25.1
9	765 kV	CHITORGARH-BANASKANTHA	2	417	753	0.0	4.2	-4.2
10	400 kV	ZERDA-KANKROLI	1	129	113	0.4	0.0	0.4
11	400 kV	ZERDA -BHINMAL	1	156	309	0.0	2.2	-2.2
12	400 kV	VINDHYACHAL -RIHAND	1	488	0	10.9	0.0	10.9
13	400 kV	RAPP-SHUJALPUR	2	122	535	0.0	4.9	-4.9
14	220 kV	BHANPURA-RANPUR	1	0	188	0.0	0.1	-0.1
15	220 kV	BHANPURA-MORAK	1	0	30	0.0	0.0	0.0
16	220 kV	MEHGAON-AURAIYA	1	135	0	2.4	1.7	0.6
17	220 kV	MALANPUR-AURAIYA	1	85	14	1.4	0.0	1.4
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	31.5	226.0	-194.5
Import/Export of WR (With SR)								
1	HVDC	BHADRAWATI B/B	-	960	1016	6.1	7.8	-1.7
2	HVDC	RAIGARH-PUGALUR	2	579	1500	0.0	12.1	-12.1
3	765 kV	SOLAPUR-RAICHUR	2	804	1800	0.0	16.5	-16.5
4	765 kV	WARDHA-NIZAMABAD	2	0	3172	0.0	54.4	-54.4
5	400 kV	KOLHAPUR-KUDGI	2	1438	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	40	0.8	0.0	0.8
					WR-SR	28.8	90.8	-62.0

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)	110	106	110	2.7
	ER	400kV TALA-BINAGURI 1,2,4 (& 400kV MALBASE - BINAGURI) i.e. BINAGURI RECEIPT (from TALA HEP (6*170MW)	112	0	100	2.4
	ER	220kV CHUKHA-BIRPARA 1&2 (& 220kV MALBASE - BIRPARA) i.e. BIRPARA RECEIPT (from CHUKHA HEP 4*84MW)	7	0	-37	-0.9
	NER	132KV-GEYLEGPHU - SALAKATI	30	11	-17	-0.4
	NER	132kV Motanga-Rangia	17	3	11	0.3
NEPAL	NR	132KV-TANAKPUR(NH) - MAHENDRANAGAR(PG)	-86	0	-70	-1.7
	ER	400KV-MUZAFFARPUR - DHALKEBAR DC	-293	-172	-273	-6.6
	ER	132KV-BIHAR - NEPAL	-291	-6	-190	-4.6
BANGLADESH	ER	BHERAMARA HVDC(BANGLADESH)	-928	-448	-700	-16.8
	NER	132KV-SURAJMANI NAGAR - COMILLA(BANGLADESH)-1	51	0	-43	-1.0
	NER	132KV-SURAJMANI NAGAR - COMILLA(BANGLADESH)-2	51	0	-43	-1.0