



National Load Despatch Centre
राष्ट्रीय भार प्रेषण केंद्र
POWER SYSTEM OPERATION CORPORATION LIMITED
पावर 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: 27thJan 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., डोंगतेह, 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 26.01.2021.

महोदय/Dear Sir,

आईईजीसी-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 26-जनवरी -2021 की अखिल भारतीय प्रणाली की दैनिक ग्रिड निष्पादन रिपोर्ट रांभांप्रेके की वेबसाइट पर उपलब्ध 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 26thJanuary 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: 27-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)	46503	48493	39399	18342	2449	155186
Peak Shortage (MW)	1210	0	40	0	22	1272
Energy Met (MU)	999	1198	971	380	42	3590
Hydro Gen (MU)	100	40	72	32	12	255
Wind Gen (MU)	7	55	36	-	-	98
Solar Gen (MU)*	37.79	34.22	109.17	4.75	0.15	186
Energy Shortage (MU)	12.40	0.00	0.18	0.00	0.14	12.72
Maximum Demand Met During the Day (MW) (From NLDC SCADA)	53293	57775	49483	18514	2501	177170
Time Of Maximum Demand Met (From NLDC SCADA)	09:40	11:23	11:54	18:52	17:56	09:42

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	0.027	0.00	0.00	1.49	1.49	76.50	22.00

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	6342	0	119.0	51.4	-0.8	99	0.00
	Haryana	5862	0	118.7	77.3	0.7	251	0.00
	Rajasthan	14156	0	261.9	89.1	1.2	430	0.00
	Delhi	3801	0	62.6	50.8	-0.8	181	0.00
	UP	17680	0	312.5	104.4	-1.6	583	0.00
	Uttarakhand	2045	0	36.1	21.3	-0.3	124	0.00
	HP	1636	0	28.6	23.2	0.2	178	0.00
	J&K(UT) & Ladakh(UT)	2962	600	56.7	50.8	1.0	468	12.40
	Chandigarh	217	0	3.4	3.8	-0.4	19	0.00
WR	Chhattisgarh	4298	0	92.9	47.3	1.0	500	0.00
	Gujarat	15387	0	328.3	92.0	0.1	491	0.00
	MP	14755	0	287.8	171.3	-1.6	464	0.00
	Maharashtra	21227	0	441.0	135.0	-1.0	594	0.00
	Goa	414	0	9.0	8.7	-0.2	35	0.00
	DD	293	0	5.0	4.9	0.1	14	0.00
	DNH	808	0	16.3	15.9	0.3	58	0.00
	AMNSIL	796	0	17.4	10.2	0.7	265	0.00
SR	Andhra Pradesh	9714	0	183.0	76.0	-0.2	414	0.00
	Telangana	12337	0	234.2	128.8	1.8	737	0.00
	Karnataka	11330	0	219.3	76.1	0.9	675	0.00
	Kerala	3416	40	68.2	46.4	0.3	278	0.18
	Tamil Nadu	12147	0	259.8	156.7	-0.6	791	0.00
	Puducherry	329	0	6.7	6.9	-0.2	30	0.00
ER	Bihar	4930	0	89.5	81.4	1.3	491	0.00
	DVC	3076	0	67.7	-40.9	0.3	271	0.00
	Jharkhand	1482	0	26.5	19.8	-2.0	194	0.00
	Odisha	3919	0	75.8	0.4	0.2	415	0.00
	West Bengal	5894	0	118.4	7.3	-0.8	410	0.00
	Sikkim	106	0	1.6	1.7	-0.1	32	0.00
NER	Arumachal Pradesh	140	1	2.3	2.5	-0.3	35	0.01
	Assam	1319	12	23.2	17.9	0.4	68	0.10
	Manipur	230	1	3.0	3.3	-0.3	31	0.01
	Meghalaya	361	0	6.7	4.5	0.1	56	0.00
	Mizoram	127	1	1.6	1.7	-0.4	17	0.01
	Nagaland	132	2	2.2	2.0	0.1	17	0.01
	Tripura	217	0	3.5	2.1	-0.3	91	0.00

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

	Bhutan	Nepal	Bangladesh
Actual (MU)	4.3	-13.0	-19.2
Day Peak (MW)	293.0	-641.0	-993.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	240.1	-275.6	132.3	-96.2	-0.7	0.0
Actual(MU)	231.7	-287.4	143.8	-93.1	-1.5	-6.4
OD/UD(MU)	-8.4	-11.8	11.5	3.1	-0.9	-6.4

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	TOTAL	% Share
Central Sector	6556	12503	6372	2980	534	28944	43
State Sector	9765	13900	9377	4652	11	37705	57
Total	16321	26403	15749	7632	545	66649	100

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India	% Share
Coal	552	1312	497	464	7	2831	77
Lignite	24	9	29	0	0	62	2
Hydro	100	40	72	32	12	255	7
Nuclear	19	24	47	0	0	89	2
Gas, Naptha & Diesel	23	29	11	0	30	92	3
RES (Wind, Solar, Biomass & Others)	72	90	181	5	0	349	9
Total	789	1504	837	501	48	3679	100

Share of RES in total generation (%)	9.14	6.00	21.66	0.94	0.31	9.47
Share of Non-fossil fuel (Hydro,Nuclear and RES) in total generation(%)	24.13	10.28	35.80	7.35	24.76	18.84

H. All India Demand Diversity Factor

Based on Regional Max Demands	1.025
Based on State Max Demands	1.038

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: 27-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	251	0.0	6.0	-6.0	
3	765 kV	GAYA-VARANASI	2	0	852	0.0	9.3	-9.3	
4	765 kV	SASARAM-FATEHPUR	1	18	254	0.0	2.8	-2.8	
5	765 kV	GAYA-BALIA	1	0	581	0.0	8.1	-8.1	
6	400 kV	PUSAULI-VARANASI	1	0	216	0.0	4.6	-4.6	
7	400 kV	PUSAULI -ALLAHABAD	1	0	88	0.0	1.4	-1.4	
8	400 kV	MUZAFFARPUR-GORAKHPUR	2	0	742	0.0	8.7	-8.7	
9	400 kV	PATNA-BALIA	4	0	1166	0.0	15.2	-15.2	
10	400 kV	BIHARSHARIF-BALIA	2	0	498	0.0	6.3	-6.3	
11	400 kV	MOTIHARI-GORAKHPUR	2	0	342	0.0	5.1	-5.1	
12	400 kV	BIHARSHARIF-VARANASI	2	102	221	0.0	0.6	-0.6	
13	220 kV	PUSAULI-SAHUPURI	1	56	55	0.1	0.0	0.1	
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-CHANDAUJI	1	0	0	0.0	0.0	0.0	
						ER-NR	0.6	68.0	-67.5
Import/Export of ER (With WR)									
1	765 kV	JHARSUGUDA-DHARAMJAIGARH	4	1059	0	16.1	0.0	16.1	
2	765 kV	NEW RANCHI-DHARAMJAIGARH	2	778	106	10.2	0.0	10.2	
3	765 kV	JHARSUGUDA-DURG	2	107	115	0.0	0.3	-0.3	
4	400 kV	JHARSUGUDA-RAIGARH	4	88	240	0.0	2.3	-2.3	
5	400 kV	RANCHI-SIPAT	2	298	7	3.8	0.0	3.8	
6	220 kV	BUDHIPADAR-RAIGARH	1	0	116	0.0	1.8	-1.8	
7	220 kV	BUDHIPADAR-KORBA	2	119	0	1.7	0.0	1.7	
						ER-WR	31.9	4.4	27.5
Import/Export of ER (With SR)									
1	HVDC	JEYPORE-GAZUWAKA B/B	2	0	325	0.0	7.4	-7.4	
2	HVDC	TALCHER-KOLAR BIPOLE	2	0	1988	0.0	39.2	-39.2	
3	765 kV	ANGUL-SRIKAKULAM	2	0	2735	0.0	51.3	-51.3	
4	400 kV	TALCHER-I/C	2	200	1046	0.0	8.3	-8.3	
5	220 kV	BALIMELA-UPPER-SILERRU	1	1	0	0.0	0.0	0.0	
						ER-SR	0.0	98.0	-98.0
Import/Export of ER (With NER)									
1	400 kV	BINAGURI-BONGAIGAON	2	191	24	2.4	0.0	2.4	
2	400 kV	ALIPURDUAR-BONGAIGAON	2	320	2	4.1	0.0	4.1	
3	220 kV	ALIPURDUAR-SALAKATI	2	54	8	0.6	0.0	0.6	
						ER-NER	7.2	0.0	7.2
Import/Export of NER (With NR)									
1	HVDC	BISWANATH CHARIALI-AGRA	2	289	0	6.9	0.0	6.9	
						NER-NR	6.9	0.0	6.9
Import/Export of WR (With NR)									
1	HVDC	CHAMPA-KURUKSHETRA	2	0	2011	0.0	39.7	-39.7	
2	HVDC	VINDHYACHAL B/B	-	239	249	5.7	0.2	5.5	
3	HVDC	MUNDA-MOHENDERGARH	2	0	1461	0.0	26.7	-26.7	
4	765 kV	GWALIOR-AGRA	2	0	2807	0.0	45.2	-45.2	
5	765 kV	PHAGI-GWALIOR	2	0	1387	0.0	20.3	-20.3	
6	765 kV	JABALPUR-ORAI	2	0	1140	0.0	34.8	-34.8	
7	765 kV	GWALIOR-ORAI	1	620	0	11.6	0.0	11.6	
8	765 kV	SATNA-ORAI	1	0	1424	0.0	27.0	-27.0	
9	765 kV	CHITORGARH-BANASKANTHA	2	183	974	0.0	6.8	-6.8	
10	400 kV	ZERDA-KANKROLI	1	92	167	0.0	0.4	-0.4	
11	400 kV	ZERDA -BHINMAL	1	77	408	0.0	3.6	-3.6	
12	400 kV	VINDHYACHAL -RIHAND	1	488	0	10.8	0.0	10.8	
13	400 kV	RAPT-SHILAI PUR	1	47	578	0.0	5.1	-5.1	
14	220 kV	BHANPURA-RANPUR	2	0	202	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	142	0	2.3	0.0	2.3	
17	220 kV	MALANPUR-AURAIYA	1	90	15	1.6	0.0	1.6	
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	0.7	-0.7	
						WR-NR	32.0	212.1	-180.1
Import/Export of WR (With SR)									
1	HVDC	BHADRAWATI B/B	-	0	1009	0.0	14.9	-14.9	
2	HVDC	RAIGARH-PUGAUR	2	482	1500	0.0	9.5	-9.5	
3	765 kV	SOLAPUR-RAICHUR	2	725	1900	0.0	21.4	-21.4	
4	765 kV	WARDHA-NIZAMABAD	2	0	2834	0.0	51.6	-51.6	
5	400 kV	KOLHAPUR-KUDGI	2	1449	0	16.7	0.0	16.7	
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	39	0.7	0.0	0.7	
						WR-SR	17.5	97.4	-80.0

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 MANGDECHHU HEP 4*180MW)	114	0	105	2.5
	ER	400KV TALA-BINAGURI 1,2,4 (& 400KV MALBASE - BINAGURI) I.e. BINAGURI RECEIPT (from TALA HEP 6*170MW)	104	0	91	2.2
	ER	220KV CHUKHA-BIRPARA 1&2 (& 220KV MALBASE - BIRPARA) I.e. BIRPARA RECEIPT (from CHUKHA HEP 4*84MW)	8	0	-19	-0.5
	NER	132KV-GEYLEGPHU - SALAKATI	39	10	21	0.5
	NER	132KV Motanga-Rangia	28	5	13	0.3
NEPAL	NR	132KV-TANAKPUR(NH) - MAHENDRANAGAR(PG)	-81	0	-72	-1.7
	ER	400KV-MUZAFFARPUR - DHALKEBAR DC	-287	-232	-281	-6.7
	ER	132KV-BIHAR - NEPAL	-273	-72	-187	-4.5
BANGLADESH	ER	BHERAMARA HVDC(BANGLADESH)	-888	-447	-716	-17.2
	NER	132KV-SURAJMANI NAGAR - COMILLA(BANGLADESH)-1	53	0	-43	-1.0
	NER	132KV-SURAJMANI NAGAR - COMILLA(BANGLADESH)-2	52	0	-43	-1.0