



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: 27th Jan 2020

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., डोंगतिह, 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 26.01.2020.

महोदय/Dear Sir,

आईईजीसी-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 26-जनवरी-2020 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 26th Jan 2020, 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-20

A. Power Supply Position at All India and Regional level

	NR	WR	SR	ER	NER	Total
Demand Met during Evening Peak hrs(MW) (at 1900 hrs; from RLDCs)	41153	43709	36467	17964	2284	141577
Peak Shortage (MW)	547	0	0	0	24	571
Energy Met (MU)	904	1105	943	353	41	3347
Hydro Gen (MU)	125	41	77	27	5	274
Wind Gen (MU)	3	13	22	-----	-----	38
Solar Gen (MU)*	36.73	26.00	89.05	1.91	0.04	154
Energy Shortage (MU)	0.0	0.0	0.0	0.0	0.8	0.8
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	48931 09:24	51822 11:02	43795 07:45	18362 19:02	2362 18:55	160824 07:59

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	0.042	0.05	0.41	5.84	6.30	75.82	17.88

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	4962	0	99.3	49.4	-1.4	68	0.0
	Haryana	6280	0	116.7	79.2	-0.6	198	0.0
	Rajasthan	13298	0	231.0	72.1	0.7	419	0.0
	Delhi	3729	0	60.3	45.4	-1.6	156	0.0
	UP	15938	0	282.3	115.1	1.4	1292	0.0
	Uttarakhand	1901	0	33.5	21.3	0.4	208	0.0
	HP	1511	0	26.6	20.7	-1.5	79	0.0
	J&K(UT) and Ladakh(UT)	2266	567	49.9	45.7	-1.2	209	11.8
	Chandigarh	226	0	4.1	3.8	0.2	41	0.0
	Chhattisgarh	3742	0	80.0	36.6	-1.4	252	0.0
WR	Gujarat	14584	0	312.7	92.6	2.6	411	0.0
	MP	13882	0	254.5	150.7	-3.5	467	0.0
	Maharashtra	20031	0	424.1	132.3	-1.3	615	0.0
	Goa	433	0	8.7	8.8	-0.4	23	0.0
	DD	292	0	4.8	4.6	0.2	72	0.0
	DNH	768	0	14.9	14.9	0.0	131	0.0
	Essar steel	777	0	5.4	5.6	-0.2	223	0.0
	Andhra Pradesh	8914	0	178.7	66.7	-0.4	380	0.0
SR	Telangana	10367	0	208.0	99.2	0.2	615	0.0
	Karnataka	11282	0	214.7	57.6	-1.1	403	0.0
	Kerala	3221	0	65.3	54.5	0.6	146	0.0
	Tamil Nadu	12574	0	270.3	145.2	-0.3	525	0.0
	Pondy	291	0	6.3	6.4	-0.1	40	0.0
	Bihar	4651	0	82.8	79.6	1.2	183	0.0
ER	DVC	3122	0	64.3	-32.3	-0.4	246	0.0
	Jharkhand	1267	0	26.6	16.9	0.1	96	0.0
	Odisha	3763	0	70.1	10.8	0.2	223	0.0
	West Bengal	5676	0	107.5	25.5	-0.6	268	0.0
	Sikkim	145	0	2.1	1.6	0.4	68	0.0
	Arunachal Pradesh	122	1	2.3	2.0	0.1	51	0.0
NER	Assam	1255	10	22.2	18.7	1.1	129	0.5
	Manipur	210	1	2.8	3.1	-0.3	24	0.0
	Meghalaya	362	0	6.5	5.7	-0.2	36	0.3
	Mizoram	102	1	1.9	1.6	-0.2	20	0.0
	Nagaland	128	2	2.3	2.1	0.0	33	0.0
	Tripura	218	3	3.3	3.5	-0.1	53	0.0

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	3.1	-6.9	-10.3
Day peak (MW)	454.0	-578.6	-863.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	198.8	-219.6	103.1	-90.9	7.9	-0.7
Actual(MU)	183.1	-227.0	119.2	-89.4	9.3	-4.7
O/D/U/D(MU)	-15.7	-7.3	16.1	1.5	1.5	-4.0

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	5411	16188	7522	1360	613	31094
State Sector	11365	15771	6940	4550	112	38738
Total	16776	31959	14462	5910	726	69832

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Coal	477	1151	487	443	10	2569
Lignite	22	15	49	0	0	85
Hydro	125	41	77	27	5	274
Nuclear	22	33	40	0	0	94
Gas, Naptha & Diesel	25	33	18	0	20	97
RES (Wind, Solar, Biomass & Others)	70	46	152	2	0	270
Total	739	1319	823	472	36	3389

Share of RES in total generation (%)	9.40	3.52	18.46	0.41	0.11	7.96
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	29.18	9.10	32.65	6.04	14.76	18.83

H. All India Demand Diversity Factor

Based on Regional Max Demands	1.028
Based on State Max Demands	1.071

Diversity factor = Sum of regional or state-wise maximum demands / All India maximum demand

*Source: RLDCs for solar connected to ISTS; SLDCs for embedded solar. Limited visibility of embedded solar data.

INTER-REGIONAL EXCHANGES

Date of Reporting : 27-Jan-20

Import=(+ve)
/Export =(-ve)
for NET (MU)

Sl No	Voltage Level	Line Details	Circuit	Max Import (MW)	Max Export (MW)	Import (MU)	Export (MU)	NET (MU)
Import/Export of ER (With NR)								
4	HVDC	ALIPURDUAR-AGRA	-	0	0	0.0	0.0	0.0
5		PUSAULI B/B	S/C	0	299	0.0	7.3	-7.3
1	765kV	GAYA-VARANASI	D/C	0	853	0.0	8.6	-8.6
2		SASARAM-FATEHPUR	S/C	55	324	0.0	3.1	-3.1
3		GAYA-BALIA	S/C	0	563	0.0	7.5	-7.5
6	400 kV	PUSAULI-VARANASI	S/C	0	222	0.0	4.6	-4.6
7		PUSAULI -ALLAHABAD	S/C	0	143	0.0	2.7	-2.7
8		MUZAFFARPUR-GORAKHPUR	D/C	31	807	0.0	8.3	-8.3
9		PATNA-BALIA	Q/C	0	762	0.0	14.9	-14.9
10		BIHARSHARIFF-BALIA	D/C	0	391	0.0	4.7	-4.7
11		MOTIHARI-GORAKHPUR	D/C	0	4	0.0	0.0	0.0
12		BIHARSHARIFF-VARANASI	D/C	116	298	0.0	1.5	-1.5
13		220 kV	PUSAULI-SAHUPURI	S/C	0	99	0.0	1.8
14	132 kV	SONE NAGAR-RIHAND	S/C	0	0	0.0	0.0	0.0
15		GARWAH-RIHAND	S/C	30	0	0.7	0.0	0.7
16		KARMANASA-SAHUPURI	S/C	0	0	0.0	0.0	0.0
17		KARMANASA-CHANDAULI	S/C	0	0	0.0	0.0	0.0
ER-NR						0.7	57.8	-57.1
Import/Export of ER (With WR)								
18	765 kV	JHARSUGUDA-DHARAMJAIGARH	Q/C	5939	0	19.2	0.0	19.2
19		NEW RANCHI-DHARAMJAIGARH	D/C	691	207	2.9	0.0	2.9
20		JHARSUGUDA-DURG	D/C	0	108	0.0	0.7	-0.7
21	400 kV	JHARSUGUDA-RAIGARH	Q/C	160	246	0.0	1.7	-1.7
22		RANCHI-SIPAT	D/C	224	55	0.9	0.0	0.9
23	220 kV	BUDHIPADAR-RAIGARH	S/C	0	99	0.0	1.4	-1.4
24		BUDHIPADAR-KORBA	D/C	141	0	2.3	0.0	2.3
ER-WR						25.2	3.8	21.5
Import/Export of ER (With SR)								
26	HVDC	JEYPORE-GAZUWAKA B/B	D/C	0.0	537.0	0.0	12.6	-12.6
27		TALCHER-KOLAR BIPOLE	D/C	0.0	1986.0	0.0	41.8	-41.8
25	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	2448.0	0.0	43.8	-43.8
28	400 kV	TALCHER-I/C	D/C	439.0	352.0	1.6	0.0	1.6
29	220 kV	BALIMELA-UPPER-SILERRU	S/C	1.0	0.0	0.0	0.0	0.0
ER-SR						0.0	98.2	-98.2
Import/Export of ER (With NER)								
30	400 kV	BINAGURI-BONGAIGAON	D/C	126	149	0.0	0.5	-1
31		ALIPURDUAR-BONGAIGAON	D/C	220	187	1.1	0.0	1
32	220 kV	ALIPURDUAR-SALAKATI	D/C	44	42	0.2	0.0	0
ER-NER						1.3	0.5	0.7
Import/Export of NER (With NR)								
33	HVDC	BISWANATH CHARIALI-AGRA	-	473	0	11.6	0.0	11.6
NER-NR						11.6	0.0	11.6
Import/Export of WR (With NR)								
34	HVDC	CHAMPA-KURUKSHETRA	D/C	0	804	0.0	17.9	-17.9
35		V'CHAL B/B	D/C	449	203	4.8	2.6	2.1
36		APL -MHG	D/C	0	1554	0.0	38.7	-38.7
37	765 kV	GWALIOR-AGRA	D/C	0	2452	0.0	40.1	-40.1
38		PHAGI-GWALIOR	D/C	0	1418	0.0	20.4	-20.4
39		JABALPUR-ORAI	D/C	0	929	0.0	27.1	-27.1
40		GWALIOR-ORAI	S/C	725	0	11.9	0.0	11.9
41		SATNA-ORAI	S/C	0	1365	0.0	26.0	-26.0
42		CHITTORGARH-BANASKANTHA	D/C	230	1005	0.0	3.7	-3.7
43	400 kV	ZERDA-KANKROLI	S/C	122	202	0.1	0.0	0.1
44		ZERDA -BHINMAL	S/C	24	501	0.0	3.6	-3.6
45		V'CHAL -RIHAND	S/C	981	0	22.6	0.0	22.6
46		RAPP-SHUJALPUR	D/C	215	334	0	0	0
47	220 kV	BHANPURA-RANPUR	S/C	14	96	0.5	0.4	0.1
48		BHANPURA-MORAK	S/C	40	113	0.1	1.0	-0.9
49		MEHGAON-AURAIYA	S/C	98	0	1.4	0.0	1.4
50	132kV	MALANPUR-AURAIYA	S/C	50	27	0.5	0.1	0.4
51		GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0
WR-NR						41.7	182.0	-140.2
Import/Export of WR (With SR)								
52	HVDC	BHADRAWATI B/B	-	0	1012	0.0	16.5	-16.5
53		BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0
54	765 kV	SOLAPUR-RAICHUR	D/C	713	1961	1.8	21.8	-20.0
55		WARDHA-NIZAMABAD	D/C	0	2324	0.0	32.4	-32.4
56	400 kV	KOLHAPUR-KUDGI	D/C	602	226	4.1	0.7	3.4
57	220 kV	KOLHAPUR-CHIKODI	D/C	0	0	0.0	0.0	0.0
58		PONDA-AMBEWADI	S/C	1	0	0.0	0.0	0.0
59		XELDEM-AMBEWADI	S/C	0	88	1.8	0.0	1.8
WR-SR						7.7	71.4	-63.7
TRANSNATIONAL EXCHANGE								
60		BHUTAN						3.1
61		NEPAL						-6.9
62		BANGLADESH						-10.3