



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 Dec 2019

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 26.12.2019.

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 26-दिसम्बर-2019 की अखिल भारतीय प्रणाली की दैनिक ग्रिड निष्पादन रिपोर्ट रा०भा०प्रे०के० 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 26 Dec 2019, is available at the NLDC website.

धन्यवाद,

पावर सिस्टम ऑपरेशन कारपोरेशन लिमिटेड
राष्ट्रीय भार प्रेषण केंद्र, नई दिल्ली

Report for previous day

Date of Reporting 27-Dec-19

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)	50216	47192	39550	17507	2356	156821
Peak Shortage (MW)	597	0	0	0	54	651
Energy Met (MU)	993	1115	950	339	41	3439
Hydro Gen (MU)	119	39	85	29	9	281
Wind Gen (MU)	4	51	19	-----	-----	73
Solar Gen (MU)*	25.03	18.70	65.39	1.22	0.03	110
Energy Shortage (MU)	12.5	0.0	0.0	0.0	0.2	12.7
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	50760 18:55	55184 11:23	48582 11:57	18139 17:59	2493 17:49	170493 11:50

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	0.047	0.07	0.46	0.57	1.10	61.12	37.78

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	6171	0	123.3	58.0	-1.4	54	0.0
	Haryana	6901	0	134.5	84.6	1.7	245	0.0
	Rajasthan	12635	0	232.7	69.4	-2.5	138	0.0
	Delhi	4740	0	79.2	62.1	0.3	264	0.0
	UP	16375	0	293.2	118.4	2.7	1222	0.0
	Uttarakhand	2136	0	42.2	28.8	0.6	189	0.2
	HP	1644	0	30.6	23.5	-0.2	178	0.0
	J&K(UT) and Ladakh(UT)	2497	624	52.4	45.3	1.8	359	12.3
	Chandigarh	280	0	4.9	4.6	0.2	45	0.0
WR	Chhattisgarh	3351	0	74.5	17.2	-1.7	231	0.0
	Gujarat	15467	0	324.4	83.1	-2.7	507	0.0
	MP	13466	0	242.8	123.1	-3.2	497	0.0
	Maharashtra	21149	0	427.8	151.3	0.0	586	0.0
	Goa	605	0	13.1	12.4	0.2	56	0.0
	DD	325	0	7.4	6.9	0.5	38	0.0
	DNH	816	0	18.9	18.9	0.0	28	0.0
	Essar steel	327	0	6.1	6.1	0.0	269	0.0
	Andhra Pradesh	9118	0	168.2	69.5	0.5	478	0.0
SR	Telangana	11182	0	222.7	118.2	0.0	505	0.0
	Karnataka	12803	0	207.2	58.3	2.3	927	0.0
	Kerala	3624	0	72.7	57.1	1.6	223	0.0
	Tamil Nadu	13414	0	272.4	163.7	1.3	1167	0.0
	Pondy	373	0	6.8	7.1	-0.3	71	0.0
	Bihar	4550	0	75.2	74.6	-0.8	750	0.0
ER	DVC	3127	0	63.1	-37.4	0.6	201	0.0
	Jharkhand	1273	0	24.0	15.5	-0.9	347	0.0
	Odisha	3578	0	65.3	6.1	1.1	286	0.0
	West Bengal	6067	0	109.6	23.9	2.6	348	0.0
	Sikkim	138	0	2.2	1.9	0.3	31	0.0
	Arunachal Pradesh	123	2	2.2	1.9	0.1	41	0.0
NER	Assam	1370	33	22.4	17.6	0.1	104	0.1
	Manipur	213	1	2.6	3.2	-0.6	22	0.0
	Meghalaya	354	0	6.3	3.1	0.6	73	0.0
	Mizoram	101	2	1.9	1.3	0.1	21	0.0
	Nagaland	128	2	2.3	2.3	-0.1	19	0.0
	Tripura	223	0	3.8	1.7	-0.2	43	0.0

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	4.6	-8.4	-9.9
Day peak (MW)	314.9	-532.5	-761.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	241.6	-261.3	121.6	-100.7	-1.2	-0.1
Actual(MU)	239.6	-271.6	127.8	-98.3	0.4	-2.1
O/D/U/D(MU)	-2.0	-10.2	6.2	2.4	1.6	-1.9

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	4381	15833	5952	2120	597	28882
State Sector	11700	15878	8660	4640	11	40889
Total	16081	31710	14612	6760	608	69771

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Coal	507	1205	524	440	12	2687
Lignite	22	15	55	0	0	91
Hydro	119	39	85	29	9	281
Nuclear	27	27	44	0	0	99
Gas, Naptha & Diesel	38	40	18	0	25	121
RES (Wind, Solar, Biomass & Others)	58	81	125	1	0	265
Total	771	1407	851	470	46	3545

Share of RES in total generation (%)	7.49	5.76	14.72	0.26	0.06	7.49
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	26.46	10.44	29.95	6.47	19.30	18.20

H. All India Demand Diversity Factor

Based on Regional Max Demands	1.027
Based on State Max Demands	1.060

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-Dec-19
Sl No	Voltage Level	Line Details	Circuit	Max Import (MW)	Max Export (MW)	Import (MU)	Export (MU)	NET (MU)	
								Import=(+ve) /Export =(-ve) for 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	7.7	-7.7	
1	765kV	GAYA-VARANASI	D/C	0	822	0.0	11.6	-11.6	
2		SASARAM-FATEHPUR	S/C	0	177	0.0	5.1	-5.1	
3		GAYA-BALIA	S/C	0	436	0.0	7.5	-7.5	
6	400 kV	PUSAULI-VARANASI	S/C	0	216	0.0	4.5	-4.5	
7		PUSAULI -ALLAHABAD	S/C	0	173	0.0	3.1	-3.1	
8		MUZAFFARPUR-GORAKHPUR	D/C	0	876	0.0	11.4	-11.4	
9		PATNA-BALIA	Q/C	0	863	0.0	14.8	-14.8	
10		BIHARSHARIFF-BALIA	D/C	0	415	0.0	5.3	-5.3	
11		MOTIHARI-GORAKHPUR	D/C	0	5	0.0	0.0	0.0	
12		BIHARSHARIFF-VARANASI	D/C	33	373	0.0	3.5	-3.5	
13		220 kV	PUSAULI-SAHUPURI	S/C	0	135	0.0	2.0	-2.0
14	132 kV	SONE NAGAR-RIHAND	S/C	0	0	0.0	0.0	0.0	
15		GARWAH-RIHAND	S/C	30	0	0.4	0.0	0.4	
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	0.4	68.7	-68.3
Import/Export of ER (With WR)									
18	765 kV	JHARSUGUDA-DHARAMJAIGARH	Q/C	5503	199	9.8	0.0	9.8	
19		NEW RANCHI-DHARAMJAIGARH	D/C	563	195	2.6	0.0	2.6	
20		JHARSUGUDA-DURG	D/C	999999	265	0.0	2.4	-2.4	
21	400 kV	JHARSUGUDA-RAIGARH	Q/C	215	176	0.9	0.0	0.9	
22		RANCHI-SIPAT	D/C	221	58	1.4	0.0	1.4	
23	220 kV	BUDHIPADAR-RAIGARH	S/C	3	94	0.0	1.0	-1.0	
24		BUDHIPADAR-KORBA	D/C	180	0	2.8	0.0	2.8	
						ER-WR	17.4	3.4	14.0
Import/Export of ER (With SR)									
26	HVDC	JEYPORE-GAZUWAKA B/B	D/C	0.0	675.0	0.0	13.7	-13.7	
27		TALCHER-KOLAR BIPOLE	D/C	0.0	2167.0	0.0	43.2	-43.2	
25	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	2070.0	0.0	40.2	-40.2	
28	400 kV	TALCHER-I/C	D/C	408.0	483.0	0.0	1.2	-1.2	
29	220 kV	BALIMELA-UPPER-SILERRU	S/C	1.0	0.0	0.0	0.0	0.0	
						ER-SR	0.0	97.0	-97.0
Import/Export of ER (With NER)									
30	400 kV	BINAGURI-BONGAIGAON	D/C	298	0	4.1	0.0	4	
31		ALIPURDUAR-BONGAIGAON	D/C	346	0	5.3	0.0	5	
32	220 kV	ALIPURDUAR-SALAKATI	D/C	66	2	0.9	0.0	1	
						ER-NER	10.2	0.0	10.2
Import/Export of NER (With NR)									
33	HVDC	BISWANATH CHARIALI-AGRA	-	490	0	11.8	0.0	11.8	
						NER-NR	11.8	0.0	11.8
Import/Export of WR (With NR)									
34	HVDC	CHAMPA-KURUKSHETRA	D/C	0	2353	0.0	44.5	-44.5	
35		V'CHAL B/B	D/C	449	250	1.2	0.0	1.2	
36	765 kV	APL -MHG	D/C	0	1926	0.0	42.0	-42.0	
37		GWALIOR-AGRA	D/C	0	2893	0.0	42.2	-42.2	
38		PHAGI-GWALIOR	D/C	0	1468	0.0	22.6	-22.6	
39		JABALPUR-ORAI	D/C	0	982	0.0	30.3	-30.3	
40		GWALIOR-ORAI	S/C	589	0	10.9	0.0	10.9	
41		SATNA-ORAI	S/C	0	1514	0.0	29.6	-29.6	
42		CHITTORGARH-BANASKANTHA	D/C	216	833	1.4	4.3	-2.9	
43		ZERDA-KANKROLI	S/C	143	126	1.2	0.0	1.2	
44	400 kV	ZERDA -BHINMAL	S/C	77	385	0.0	1.9	-1.9	
45		V'CHAL -RIHAND	S/C	969	0	22.3	0.0	22.3	
46		RAPP-SHUJALPUR	D/C	142	365	0	1	-1	
47	220 kV	BHANPURA-RANPUR	S/C	28	59	0.7	0.1	0.6	
48		BHANPURA-MORAK	S/C	30	80	0.1	0.6	-0.6	
49		MEHGAON-AURAIYA	S/C	113	0	1.2	0.0	1.2	
50	132kV	MALANPUR-AURAIYA	S/C	64	40	0.4	0.1	0.3	
51		GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0	
						WR-NR	39.4	218.9	-179.5
Import/Export of WR (With SR)									
52	HVDC	BHADRAWATI B/B	-	0	495	0.0	11.8	-11.8	
53		BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0	
54	765 kV	SOLAPUR-RAICHUR	D/C	288	2241	0.1	30.1	-30.0	
55		WARDHA-NIZAMABAD	D/C	0	2685	0.0	50.6	-50.6	
56	400 kV	KOLHAPUR-KUDGI	D/C	1206	0	16.3	0.0	16.3	
57		KOLHAPUR-CHIKODI	D/C	0	0	0.0	0.0	0.0	
58	220 kV	PONDA-AMBEWADI	S/C	0	94	0.0	1.6	-1.6	
59		XELDEM-AMBEWADI	S/C	0	105	1.8	0.0	1.8	
						WR-SR	18.1	94.0	-75.9
TRANSNATIONAL EXCHANGE									
60		BHUTAN						4.6	
61		NEPAL						-8.4	
62		BANGLADESH						-9.9	