



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: 26th 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., 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 25.12.2019.

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 25-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 25 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

26-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)	48658	46824	37738	17828	2368	153416
Peak Shortage (MW)	557	0	0	0	27	584
Energy Met (MU)	970	1132	929	344	41	3416
Hydro Gen (MU)	122	41	84	32	9	288
Wind Gen (MU)	16	58	37	-----	-----	112
Solar Gen (MU)*	23.20	17.70	73.20	1.44	0.02	116
Energy Shortage (MU)	14.1	0.0	0.0	0.0	0.2	14.2
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	49882 18:31	54934 10:59	44318 09:57	18158 18:53	2444 17:58	164688 10:28

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	0.038	0.00	0.65	6.70	7.35	76.74	15.91

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	6057	0	121.2	54.6	-1.4	69	0.0
	Haryana	6881	0	132.1	83.0	0.3	188	0.0
	Rajasthan	12997	0	235.6	61.1	-0.3	435	0.0
	Delhi	4700	0	76.9	56.4	1.7	500	0.0
	UP	15223	545	277.3	114.9	-0.8	659	1.5
	Uttarakhand	2050	0	40.0	27.2	-0.1	163	0.1
	HP	1676	38	30.0	23.2	-0.5	171	0.2
	J&K(UT) and Ladakh(UT)	2411	603	52.5	44.5	2.6	349	12.3
	Chandigarh	263	0	4.5	4.1	0.4	56	0.0
WR	Chhattisgarh	3602	0	78.6	21.1	-1.9	212	0.0
	Gujarat	15545	0	325.4	81.6	-2.1	786	0.0
	MP	13084	0	237.4	121.6	-2.7	495	0.0
	Maharashtra	22125	0	447.8	154.0	-1.1	499	0.0
	Goa	564	0	10.9	11.2	-0.3	31	0.0
	DD	335	0	7.5	6.9	0.6	48	0.0
	DNH	806	0	19.0	18.9	0.1	29	0.0
	Essar steel	286	0	5.7	5.8	-0.1	258	0.0
	Andhra Pradesh	8292	0	164.5	67.2	-1.2	238	0.0
SR	Telangana	10887	0	225.7	118.8	-0.4	495	0.0
	Karnataka	11522	0	204.1	52.9	-0.9	582	0.0
	Kerala	3278	0	66.9	55.2	1.0	186	0.0
	Tamil Nadu	12323	0	261.1	147.2	-0.9	441	0.0
	Pondy	320	0	6.4	7.0	-0.6	37	0.0
	ER	Bihar	4278	0	75.4	73.1	1.0	230
DVC		3223	0	65.7	-30.2	-0.6	300	0.0
Jharkhand		1323	0	25.1	16.4	-0.5	100	0.0
Odisha		3599	0	65.6	7.3	-1.0	200	0.0
West Bengal		5924	0	110.3	26.2	1.6	400	0.0
Sikkim		136	0	2.0	1.8	0.2	80	0.0
NER	Arunachal Pradesh	118	2	2.2	1.9	0.1	40	0.0
	Assam	1361	12	22.5	17.5	0.5	100	0.1
	Manipur	203	1	2.7	3.1	-0.3	38	0.0
	Meghalaya	332	0	6.4	3.1	0.5	72	0.0
	Mizoram	102	1	1.8	1.3	0.1	43	0.0
	Nagaland	122	2	2.2	2.2	-0.2	13	0.0
	Tripura	226	2	3.7	1.7	0.1	33	0.0

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	5.1	-8.7	-7.5
Day peak (MW)	319.6	-512.8	-564.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	217.6	-248.7	123.7	-90.9	-0.9	0.7
Actual(MU)	220.3	-269.0	129.9	-85.4	0.6	-3.6
O/D/U/D(MU)	2.7	-20.3	6.3	5.5	1.5	-4.3

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	4881	15833	5952	2120	597	29382
State Sector	11700	15849	9420	4890	11	41870
Total	16581	31681	15372	7010	608	71252

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Coal	491	1217	455	424	13	2601
Lignite	23	13	54	0	0	90
Hydro	122	41	84	32	9	288
Nuclear	28	27	44	0	0	100
Gas, Naptha & Diesel	34	29	17	0	24	105
RES (Wind, Solar, Biomass & Others)	69	87	156	1	0	313
Total	768	1415	811	458	46	3497

Share of RES in total generation (%)	8.99	6.13	19.25	0.32	0.04	8.96
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	28.58	10.99	35.07	7.28	19.34	20.06

H. All India Demand Diversity Factor

Based on Regional Max Demands	1.031
Based on State Max Demands	1.070

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 : 26-Dec-19

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	7.1	-7.1
1	765kV	GAYA-VARANASI	D/C	62	774	0.0	9.1	-9.1
2		SASARAM-FATEHPUR	S/C	0	177	0.0	4.9	-4.9
3		GAYA-BALIA	S/C	0	463	0.0	7.0	-7.0
6	400 kV	PUSAULI-VARANASI	S/C	0	233	0.0	4.2	-4.2
7		PUSAULI -ALLAHABAD	S/C	0	176	0.0	2.7	-2.7
8		MUZAFFARPUR-GORAKHPUR	D/C	0	936	0.0	10.5	-10.5
9		PATNA-BALIA	Q/C	0	921	0.0	14.8	-14.8
10		BIHARSHARIFF-BALIA	D/C	0	487	0.0	7.3	-7.3
11		MOTIHARI-GORAKHPUR	D/C	0	5	0.0	0.0	0.0
12		BIHARSHARIFF-VARANASI	D/C	69	323	0.0	2.7	-2.7
13	220 kV	PUSAULI-SAHUPURI	S/C	27	141	0.0	1.3	-1.3
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	64.4	-64.0
Import/Export of ER (With WR)								
18	765 kV	JHARSUGUDA-DHARAMJAIGARH	Q/C	1221	0	17.6	0.0	17.6
19		NEW RANCHI-DHARAMJAIGARH	D/C	498	210	2.2	0.0	2.2
20		JHARSUGUDA-DURG	D/C	128	164	0.0	1.4	-1.4
21	400 kV	JHARSUGUDA-RAIGARH	Q/C	346	122	2.3	0.0	2.3
22		RANCHI-SIPAT	D/C	195	74	1.8	0.0	1.8
23	220 kV	BUDHIPADAR-RAIGARH	S/C	36	71	0.0	0.7	-0.7
24		BUDHIPADAR-KORBA	D/C	169	0	2.6	0.0	2.6
ER-WR						26.6	2.0	24.6
Import/Export of ER (With SR)								
26	HVDC	JEYPORE-GAZUWAKA B/B	D/C	0.0	658.0	0.0	10.9	-10.9
27		TALCHER-KOLAR BIPOLE	D/C	0.0	2458.0	0.0	47.3	-47.3
25	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	2069.0	0.0	39.4	-39.4
28	400 kV	TALCHER-I/C	D/C	402.0	966.0	0.0	6.8	-6.8
29	220 kV	BALIMELA-UPPER-SILERRU	S/C	1.0	0.0	0.0	0.0	0.0
ER-SR						0.0	97.6	-97.6
Import/Export of ER (With NER)								
30	400 kV	BINAGURI-BONGAIGAON	D/C	292	64	4.4	0.0	4
31		ALIPURDUAR-BONGAIGAON	D/C	345	17	5.3	0.0	5
32	220 kV	ALIPURDUAR-SALAKATI	D/C	69	31	0.8	0.0	1
ER-NER						10.5	0.0	10.5
Import/Export of NER (With NR)								
33	HVDC	BISWANATH CHARIALI-AGRA	-	489	0	11.7	0.0	11.7
NER-NR						11.7	0.0	11.7
Import/Export of WR (With NR)								
34	HVDC	CHAMPA-KURUKSHETRA	D/C	0	1858	0.0	46.6	-46.6
35		V'CHAL B/B	D/C	94	251	0.3	5.4	-5.1
36	765 kV	APL -MHG	D/C	0	1923	0.0	38.7	-38.7
37		GWALIOR-AGRA	D/C	0	2275	0.0	42.9	-42.9
38		PHAGI-GWALIOR	D/C	0	1513	0.0	18.3	-18.3
39		JABALPUR-ORAI	D/C	0	848	0.0	25.5	-25.5
40		GWALIOR-ORAI	S/C	842	0	11.1	0.0	11.1
41		SATNA-ORAI	S/C	0	1398	0.0	27.5	-27.5
42		CHITTORGARH-BANASKANTHA	D/C	357	888	0.0	2.3	-2.3
43	400 kV	ZERDA-KANKROLI	S/C	219	133	1.5	0.0	1.5
44		ZERDA -BHINMAL	S/C	278	339	0.0	0.2	-0.2
45		V'CHAL -RIHAND	S/C	975	0	21.7	0.0	21.7
46	220 kV	RAPP-SHUJALPUR	D/C	304	275	0	0	0
47		BHANPURA-RANPUR	S/C	47	67	1.0	0.0	1.0
48		BHANPURA-MORAK	S/C	51	80	0.2	0.5	-0.3
49		MEHGAON-AURAIYA	S/C	83	0	1.2	0.0	1.2
50		MALANPUR-AURAIYA	S/C	38	28	0.3	0.1	0.2
51	132kV	GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0
WR-NR						37.7	207.9	-170.2
Import/Export of WR (With SR)								
52	HVDC	BHADRAWATI B/B	-	0	515	0.0	8.8	-8.8
53		BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0
54	765 kV	SOLAPUR-RAICHUR	D/C	257	1974	0.1	27.2	-27.1
55		WARDHA-NIZAMABAD	D/C	0	2754	0.0	47.1	-47.1
56	400 kV	KOLHAPUR-KUDGI	D/C	833	0	11.3	0.0	11.3
57		KOLHAPUR-CHIKODI	D/C	0	0	0.0	0.0	0.0
58	220 kV	PONDA-AMBEWADI	S/C	0	70	0.0	1.4	-1.4
59		XELDEM-AMBEWADI	S/C	0	78	1.6	0.0	1.6
WR-SR						12.9	84.6	-71.6
TRANSNATIONAL EXCHANGE								
60		BHUTAN						5.1
61		NEPAL						-8.7
62		BANGLADESH						-7.5