



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: 01st Jan 2019

To,

1. कार्यकारी निदेशक, पू.क्षे.भा.प्रे.के., 14, गोल्फ क्लब रोड, कोलकाता - 700033
Executive Director, ERLDC, 14 Golf Club Road, Tolleygunge, 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 31.12.2018.

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 31-दिसम्बर-2018 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 31st December 2018, 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

1-Jan-19

A. Maximum Demand

	NR	WR	SR	ER	NER	Total
Demand Met during Evening Peak hrs(MW) (at 1900 hrs: from RLDCs)	45890	46715	41005	18304	2396	154310
Peak Shortage (MW)	727	0	0	0	51	778
Energy Met (MU)	955	1083	901	351	43	3332
Hydro Gen (MU)	117	28	71	30	8	254
Wind Gen (MU)	9	38	46	-----	-----	93
Solar Gen (MU)*	23.32	21.79	69.14	0.83	0.05	115
Energy Shortage (MU)	14.7	0.0	0.0	0.0	0.2	14.9
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	46417 09:44	54827 11:42	42990 08:21	18594 18:50	2398 19:22	160028 09:37

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	0.040	0.00	0.00	8.68	8.68	76.26	15.06

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	5657	0	110.9	24.0	-1.1	145	0.0	
	Haryana	6445	138	125.0	58.0	0.2	169	0.3	
	Rajasthan	12676	0	236.6	64.0	-0.3	388	0.0	
	Delhi	4292	0	69.0	54.1	-0.9	203	0.0	
	UP	14125	0	291.2	109.9	0.3	262	2.6	
	Uttarakhand	2096	0	38.1	22.8	-0.3	94	0.0	
	HP	1657	0	30.1	24.0	0.6	175	0.0	
	J&K	2400	600	50.2	45.8	-0.7	237	11.9	
	Chandigarh	234	0	3.7	3.4	0.3	60	0.0	
	WR	Chhattisgarh	3473	0	76.6	25.5	-0.4	167	0.0
Gujarat		15141	0	316.8	86.9	1.4	1236	0.0	
MP		13860	0	258.3	150.1	0.0	502	0.0	
Maharashtra		19980	0	386.6	90.8	0.5	547	0.0	
Goa		462	0	9.4	9.0	-0.3	31	0.0	
DD		302	0	6.6	6.0	0.6	73	0.0	
DNH		729	0	16.9	16.7	0.2	52	0.0	
Essar steel		578	0	11.4	10.5	1.0	286	0.0	
SR		Andhra Pradesh	8005	0	163.0	60.1	0.3	445	0.0
		Telangana	8886	0	179.0	81.7	0.8	463	0.0
	Karnataka	10846	0	203.1	71.0	-0.1	462	0.0	
	Kerala	3632	0	69.1	58.5	0.5	170	0.0	
	Tamil Nadu	13631	0	279.7	136.4	-0.7	364	0.0	
	Pondy	357	0	6.7	7.2	-0.5	19	0.0	
	ER	Bihar	4362	0	76.8	70.7	0.7	460	0.0
DVC		3123	0	65.3	-31.4	2.2	396	0.0	
Jharkhand		1199	0	26.1	19.0	0.8	169	0.0	
Odisha		3852	0	71.5	24.5	0.9	267	0.0	
West Bengal		6363	0	110.1	21.2	0.9	309	0.0	
Sikkim		95	0	1.4	1.7	-0.3	18	0.0	
NER	Arunachal Pradesh	123	2	2.4	1.8	0.6	46	0.0	
	Assam	1361	31	23.4	17.0	1.5	76	0.2	
	Manipur	203	3	2.8	2.7	0.0	20	0.0	
	Meghalaya	338	0	6.6	6.0	-0.3	35	0.0	
	Mizoram	93	1	1.8	1.3	0.1	20	0.0	
	Nagaland	121	2	2.2	2.0	-0.1	12	0.0	
	Tripura	228	1	3.6	1.4	0.1	34	0.0	

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	1.7	-7.0	-12.3
Day peak (MW)	95.2	-309.0	-787.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	151.5	-177.1	101.5	-78.6	3.2	0.5
Actual(MU)	143.9	-181.5	99.0	-68.9	3.9	-3.7
O/D/U/D(MU)	-7.6	-4.5	-2.5	9.7	0.7	-4.2

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	4793	16861	7262	1720	306	30941
State Sector	9585	13809	9060	5205	50	37709
Total	14378	30670	16322	6925	356	68650

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Coal	578	1108	478	418	5	2587
Lignite	22	19	51	0	0	92
Hydro	117	28	71	30	8	254
Nuclear	24	19	36	0	0	80
Gas, Naptha & Diesel	32	42	22	0	29	125
RES (Wind, Solar, Biomass & Others)	60	61	150	1	0	273
Total	833	1277	809	449	42	3411

Share of RES in total generation (%)	7.20	4.81	18.59	0.20	0.12	8.00
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	24.16	8.49	31.87	6.91	19.43	17.79

H. Diversity Factor

All India Demand Diversity Factor	1.032
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Diversity factor = Sum of regional 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 : 1-Jan-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)									
1	765kV	GAYA-VARANASI	D/C	0	624	0.0	8.7	-8.7	
2		SASARAM-FATEHPUR	S/C	0	280	0.0	2.9	-2.9	
3		GAYA-BALIA	S/C	0	302	0.0	5.0	-5.0	
4	HVDC	ALIPURDUAR-AGRA	-	0	0	0.0	0.0	0.0	
5		PUSAULI B/B	S/C	3	147	0.0	3.6	-3.6	
6	400 kV	PUSAULI-VARANASI	S/C	12	113	0.0	2.0	-2.0	
7		PUSAULI -ALLAHABAD	S/C	0	90	0.0	1.6	-1.6	
8		MUZAFFARPUR-GORAKHPUR	D/C	0	510	0.0	7.5	-7.5	
9		PATNA-BALIA	Q/C	0	850	0.0	17.1	-17.1	
10		BIHARSHARIFF-BALIA	D/C	0	272	0.0	4.6	-4.6	
11		MOTIHARI-GORAKHPUR	D/C	0	346	0.0	7.0	-7.0	
12		BIHARSHARIFF-VARANASI	D/C	14	203	0.0	2.3	-2.3	
13	220 kV	PUSAULI-SAHUPURI	S/C	0	145	0.0	2.8	-2.8	
14	132 kV	SONE NAGAR-RIHAND	S/C	0	0	0.0	0.0	0.0	
15		GARWAH-RIHAND	S/C	25	0	0.6	0.0	0.6	
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						0.6	64.9	-64.3	
Import/Export of ER (With WR)									
18	765 kV	JHARSUGUDA-DHARAMJAIGARH S/C	D/C	1365	0	20.9	0.0	20.9	
19		NEW RANCHI-DHARAMJAIGARH	D/C	259	190	0.7	0.0	0.7	
20	400 kV	JHARSUGUDA-RAIGARH	Q/C	13	123	0.0	1.4	-1.4	
21		RANCHI-SIPAT	D/C	123	36	1.1	0.0	1.1	
22	220 kV	BUDHIPADAR-RAIGARH	S/C	0	97	0.0	1.1	-1.1	
23		BUDHIPADAR-KORBA	D/C	132	0	2.1	0.0	2.1	
ER-WR						24.8	2.6	22.2	
Import/Export of ER (With SR)									
24	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	1359.0	0.0	23.1	-23.1	
25	HVDC	JEYPORE-GAZUWAKA B/B	D/C	0.0	684.0	0.0	16.0	-16.0	
26	LINK	TALCHER-KOLAR BIPOLE	D/C	0.0	1967.0	0.0	39.2	-39.2	
27	400 kV	TALCHER-I/C	D/C	0.0	652.0	0.4	0.0	0.4	
28	220 kV	BALIMELA-UPPER-SILERRU	S/C	1.0	0.0	0.0	0.0	0.0	
ER-SR						0.0	78.3	-78.3	
Import/Export of ER (With NER)									
29	400 kV	BINAGURI-BONGAIGAON	D/C	242	0	3.0	0.0	3	
30		ALIPURDUAR-BONGAIGAON	D/C	358	0	5.1	0.0	5	
31	220 kV	ALIPURDUAR-SALAKATI	D/C	60	3	0.5	0.0	1	
ER-NER						8.7	0.0	8.7	
Import/Export of NER (With NR)									
32	HVDC	BISWANATH CHARIALI-AGRA	-	0	0	13.1	0.0	13.1	
NER-NR						13.1	0.0	13.1	
Import/Export of WR (With NR)									
33	HVDC	CHAMPA-KURUKSHETRA	D/C	0	607	0.0	14.0	-14.0	
34		V'CHAL B/B	D/C	242	0	6.0	0.0	6.0	
35		APL -MHG	D/C	0	1736	0.0	34.2	-34.2	
36		GWALIOR-AGRA	D/C	0	971	0.0	34.2	-34.2	
37	765 kV	PHAGI-GWALIOR	D/C	0	1054	0.0	15.5	-15.5	
38		JABALPUR-ORAI	D/C	0	622	0.0	21.0	-21.0	
39		GWALIOR-ORAI	S/C	622	0	11.8	0.0	11.8	
40		SATNA-ORAI	S/C	0	1205	0.0	24.3	-24.3	
41		400 kV	ZERDA-KANKROLI	S/C	156	40	1.6	0.0	1.6
42			ZERDA -BHINMAL	S/C	55	365	0.0	1.8	-1.8
43	V'CHAL -RIHAND		S/C	988	0	21.3	0.0	21.3	
44	RAPP-SHUJALPUR		D/C	396	19	2	0	2	
45	220 kV	BADOD-KOTA	S/C	14	58	0.6	0.1	0.6	
46		BADOD-MORAK	S/C	0	148	0.0	1.7	-1.7	
47		MEHGAON-AURAIYA	S/C	106	0	1.6	0.0	1.6	
48	132kV	MALANPUR-AURAIYA	S/C	52	4	0.7	0.0	0.7	
49		GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0	
WR-NR						45.8	146.7	-100.9	
Import/Export of WR (With SR)									
50	HVDC	BHADRAWATI B/B	-	0	999	0.0	20.7	-20.7	
51	LINK	BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0	
52	765 kV	SOLAPUR-RAICHUR	D/C	208	1946	0.0	26.1	-26.1	
53		WARDHA-NIZAMABAD	D/C	0	1924	0.0	27.7	-27.7	
54	400 kV	KOLHAPUR-KUDGI	D/C	1068	0	11.1	0.0	11.1	
55		KOLHAPUR-CHIKODI	D/C	0	0	0.0	0.0	0.0	
56	220 kV	PONDA-AMBEWADI	S/C	1	0	0.0	0.0	0.0	
57		XELDEM-AMBEWADI	S/C	0	66	1.2	0.0	1.2	
WR-SR						12.3	74.5	-62.2	
TRANSNATIONAL EXCHANGE									
58		BHUTAN						1.7	
59		NEPAL						-7.0	
60		BANGLADESH						-12.3	