



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: 25th Dec 2018

To,

- कार्यकारी निदेशक, पू.क्षे.भा.प्रे.के., 14, गोल्फ क्लब रोड, कोलकाता - 700033
Executive Director, ERLDC, 14 Golf Club Road, Tolleygunge, Kolkata, 700033
- 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
- 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
- कार्यकारी निदेशक, ऊ.पू.क्षे.भा.प्रे.के., डोंगतिह, लोअर नोंग्रह, लापलंग, शिलोंग - 793006
Executive Director, NERLDC, Dongteih, Lower Nongrah, Lapalang, Shillong - 793006, Meghalaya
- 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 24.12.2018.

महोदय/Dear Sir,

आईईजीसी-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 24-दिसम्बर-2018 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 24th 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

25-Dec-18

A. Maximum Demand

	NR	WR	SR	ER	NER	Total
Demand Met during Evening Peak hrs(MW) (at 1900 hrs; from RLDCs)	45962	48065	41042	17872	2383	155324
Peak Shortage (MW)	687	0	0	0	34	721
Energy Met (MU)	936	1115	900	340	41	3331
Hydro Gen (MU)	116	28	75	34	7	260
Wind Gen (MU)	21	48	37	-----	-----	105
Solar Gen (MU)*	21.51	18.89	59.44	0.88	0.04	101
Energy Shortage (MU)	17.3	0.0	0.0	0.0	0.4	17.7
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	46442 18:31	54998 09:55	42694 12:45	18106 19:19	2374 19:13	157636 18:29

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	0.048	0.00	0.63	10.88	11.50	74.92	13.58

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	5685	0	110.0	27.3	-1.1	134	0.0	
	Haryana	6752	0	125.5	66.2	0.6	198	0.0	
	Rajasthan	12051	230	237.9	51.9	3.1	787	0.0	
	Delhi	3963	0	67.2	51.0	-0.2	247	0.0	
	UP	13637	110	276.6	116.8	1.5	447	6.8	
	Uttarakhand	2044	0	37.2	24.9	-0.4	78	0.0	
	HP	1560	0	28.6	21.6	0.9	191	0.0	
	J&K	2399	600	49.1	42.4	1.6	297	10.5	
	Chandigarh	228	0	3.6	3.3	0.3	51	0.0	
	WR	Chhattisgarh	3537	0	73.7	22.0	-0.2	305	0.0
Gujarat		15347	0	324.7	81.6	2.0	636	0.0	
MP		13804	0	257.5	147.3	-0.3	2422	0.0	
Maharashtra		20986	0	415.1	115.1	0.6	638	0.0	
Goa		452	0	10.2	8.9	0.8	73	0.0	
DD		323	0	7.1	6.3	0.8	82	0.0	
DNH		753	0	17.5	17.1	0.5	96	0.0	
Essar steel		557	0	9.1	8.9	0.2	310	0.0	
SR		Andhra Pradesh	7712	0	162.5	56.1	0.6	452	0.0
		Telangana	8472	0	178.8	77.8	2.1	614	0.0
	Karnataka	10664	0	204.6	68.1	-0.5	551	0.0	
	Kerala	3428	0	70.8	53.7	1.1	190	0.0	
	Tamil Nadu	13730	0	276.4	146.9	0.0	409	0.0	
	Pondy	357	0	6.9	7.3	-0.4	17	0.0	
	ER	Bihar	4001	0	70.3	66.6	0.1	460	0.0
DVC		3121	0	65.8	-20.4	3.1	396	0.0	
Jharkhand		1047	0	23.5	16.6	0.2	169	0.0	
Odisha		3824	0	70.0	22.2	1.6	267	0.0	
West Bengal		6309	0	109.0	17.1	1.2	309	0.0	
Sikkim		100	0	1.4	1.6	-0.3	18	0.0	
NER	Arunachal Pradesh	131	4	2.2	1.8	0.4	90	0.0	
	Assam	1387	19	22.1	17.3	0.2	185	0.4	
	Manipur	182	3	2.4	2.8	-0.4	24	0.0	
	Meghalaya	359	0	6.5	5.8	-0.2	19	0.0	
	Mizoram	103	2	1.9	1.1	0.3	20	0.0	
	Nagaland	127	3	2.2	1.9	0.0	25	0.0	
	Tripura	224	3	3.4	1.4	-0.1	38	0.0	

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	1.5	-6.8	-14.4
Day peak (MW)	151.1	-282.0	-807.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	147.3	-162.0	88.5	-78.4	3.9	-0.7
Actual(MU)	143.5	-176.4	91.7	-68.5	2.5	-7.2
O/D/U/D(MU)	-3.8	-14.4	3.2	9.9	-1.4	-6.5

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	4933	16755	6832	1870	306	30696
State Sector	10945	13525	7920	6315	50	38755
Total	15878	30280	14752	8185	356	69450

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Coal	549	1121	505	410	5	2588
Lignite	19	14	52	0	0	85
Hydro	116	28	75	34	7	260
Nuclear	24	19	36	0	0	80
Gas, Naptha & Diesel	28	40	18	0	30	115
RES (Wind, Solar, Biomass & Others)	72	69	132	1	0	274
Total	807	1291	818	445	41	3403

Share of RES in total generation (%)	8.91	5.31	16.15	0.21	0.10	8.04
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	26.30	8.98	29.78	7.82	16.83	18.04

H. Diversity Factor

All India Demand Diversity Factor	1.044
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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 : 25-Dec-18

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	548	0.0	6.7	-6.7	
2		SASARAM-FATEHPUR	S/C	2	260	0.0	2.8	-2.8	
3		GAYA-BALIA	S/C	0	261	0.0	4.2	-4.2	
4		ALIPURDUAR-AGRA	-	0	0	0.0	0.0	0.0	
5	HVDC	PUSAULI B/B	S/C	0	149	0.0	3.6	-3.6	
6	400 kV	PUSAULI-VARANASI	S/C	0	140	0.0	2.6	-2.6	
7		PUSAULI -ALLAHABAD	S/C	0	59	0.0	0.8	-0.8	
8		MUZAFFARPUR-GORAKHPUR	D/C	0	496	0.0	7.9	-7.9	
9		PATNA-BALIA	Q/C	0	863	0.0	17.7	-17.7	
10		BIHARSHARIFF-BALIA	D/C	0	234	0.0	3.6	-3.6	
11		MOTIHARI-GORAKHPUR	D/C	0	385	0.0	7.3	-7.3	
12		BIHARSHARIFF-VARANASI	D/C	74	122	0.0	1.0	-1.0	
13	220 kV	PUSAULI-SAHUPURI	S/C	0	137	0.0	2.4	-2.4	
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	60.6	-60.0	
Import/Export of ER (With WR)									
18	765 kV	JHARSUGUDA-DHARAMJAIGARH S/C	D/C	923	0	9.5	0.0	9.5	
19		NEW RANCHI-DHARAMJAIGARH	D/C	112	437	0.0	1.7	-1.7	
20	400 kV	JHARSUGUDA-RAIGARH	Q/C	510	24	5.3	0.0	5.3	
21		RANCHI-SIPAT	D/C	124	90	0.7	0.0	0.7	
22	220 kV	BUDHIPADAR-RAIGARH	S/C	35	51	0.0	0.4	-0.4	
23		BUDHIPADAR-KORBA	D/C	131	0	1.7	0.0	1.7	
ER-WR						17.2	2.1	15.1	
Import/Export of ER (With SR)									
24	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	1397.0	0.0	19.3	-19.3	
25	HVDC	JEYPORE-GAZUWAKA B/B	D/C	0.0	685.0	0.0	16.0	-16.0	
26	LINK	TALCHER-KOLAR BIPOLE	D/C	0.0	1973.0	0.0	42.8	-42.8	
27	400 kV	TALCHER-I/C	D/C	0.0	622.0	1.0	0.0	1.0	
28	220 kV	BALIMELA-UPPER-SILERRU	S/C	1.0	0.0	0.0	0.0	0.0	
ER-SR						0.0	78.0	-78.0	
Import/Export of ER (With NER)									
29	400 kV	BINAGURI-BONGAIGAON	D/C	158	76	2.3	0.0	2	
30		ALIPURDUAR-BONGAIGAON	D/C	247	1	4.3	0.0	4	
31	220 kV	ALIPURDUAR-SALAKATI	D/C	32	27	0.3	0.0	0	
ER-NER						6.8	0.0	6.8	
Import/Export of NER (With NR)									
32	HVDC	BISWANATH CHARIALI-AGRA	-	472	0	11.7	0.0	11.7	
NER-NR						11.7	0.0	11.7	
Import/Export of WR (With NR)									
33	HVDC	CHAMPA-KURUKSHETRA	D/C	0	702	0.0	16.6	-16.6	
34		V'CHAL B/B	D/C	244	0	5.6	0.0	5.6	
35		APL -MHG	D/C	0	985	0.0	24.2	-24.2	
36		GWALIOR-AGRA	D/C	0	1092	0.0	38.4	-38.4	
37	765 kV	PHAGI-GWALIOR	D/C	0	1383	0.0	18.0	-18.0	
38		JABALPUR-ORAI	D/C	100	423	0.0	8.3	-8.3	
39		GWALIOR-ORAI	S/C	650	0	10.3	0.0	10.3	
40		SATNA-ORAI	S/C	0	1747	0.0	36.9	-36.9	
41		400 kV	ZERDA-KANKROLI	S/C	272	169	0.6	0.0	0.6
42			ZERDA -BHINMAL	S/C	201	325	0.0	2.0	-2.0
43	V'CHAL -RIHAND		S/C	987	0	21.6	0.0	21.6	
44	RAPP-SHUJALPUR		D/C	384	74	2	0	2	
45	220 kV	BADOD-KOTA	S/C	48	30	0.8	0.0	0.8	
46		BADOD-MORAK	S/C	44	75	0.2	0.5	-0.4	
47		MEHGAON-AURAIYA	S/C	82	0	1.3	0.0	1.3	
48		MALANPUR-AURAIYA	S/C	39	22	0.5	0.0	0.4	
49	132kV	GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0	
WR-NR						42.9	145.0	-102.1	
Import/Export of WR (With SR)									
50	HVDC	BHADRAWATI B/B	-	0	995	0.0	21.2	-21.2	
51	LINK	BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0	
52	765 kV	SOLAPUR-RAICHUR	D/C	577	1968	0.0	22.6	-22.6	
53		WARDHA-NIZAMABAD	D/C	0	2175	0.0	30.6	-30.6	
54	400 kV	KOLHAPUR-KUDGI	D/C	1217	0	14.5	0.0	14.5	
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	67	1.2	0.0	1.2	
WR-SR						15.7	74.5	-58.7	
TRANSNATIONAL EXCHANGE									
58		BHUTAN						1.5	
59		NEPAL						-6.8	
60		BANGLADESH						-14.4	