



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 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 25.12.2018.

महोदय/Dear Sir,

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

26-Dec-18

A. Maximum Demand

	NR	WR	SR	ER	NER	Total
Demand Met during Evening Peak hrs(MW) (at 1900 hrs; from RLDCs)	44819	47911	40497	18168	2319	153714
Peak Shortage (MW)	572	0	0	0	16	588
Energy Met (MU)	937	1123	904	339	42	3346
Hydro Gen (MU)	119	32	71	38	7	267
Wind Gen (MU)	8	50	30	-----	-----	88
Solar Gen (MU)*	20.42	18.7	64.11	0.87	0.04	104
Energy Shortage (MU)	44.0	0.4	0.0	0.0	0.2	44.6
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	45393 18:42	55151 10:52	42022 09:15	18434 19:02	2351 17:37	156788 09:25

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	0.063	0.00	0.57	18.83	19.40	71.97	8.63

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	4666	0	96.3	27.2	0.2	267	30.7
	Haryana	6549	0	129.0	66.9	0.2	234	0.0
	Rajasthan	12604	0	238.7	66.8	1.4	424	0.0
	Delhi	3927	0	64.8	48.1	0.0	196	0.0
	UP	14064	0	287.9	113.4	0.6	322	2.6
	Uttarakhand	2055	0	38.6	25.6	0.1	132	0.1
	HP	1585	0	29.4	23.0	0.7	126	0.0
	J&K	2423	606	49.2	43.8	0.2	280	10.6
WR	Chandigarh	213	0	3.4	2.9	0.5	48	0.0
	Chhattisgarh	3534	0	74.7	20.2	-0.1	535	0.4
	Gujarat	15186	0	324.1	72.3	1.9	700	0.0
	MP	13765	0	259.9	148.2	0.1	516	0.0
	Maharashtra	20820	0	416.5	116.2	-0.2	546	0.0
	Goa	452	0	10.2	7.8	1.9	108	0.0
	DD	325	0	7.2	6.3	0.9	79	0.0
	DNH	742	0	17.5	16.7	0.8	63	0.0
SR	Essar steel	594	0	12.5	12.9	-0.5	230	0.0
	Andhra Pradesh	7854	0	161.5	58.3	0.3	432	0.0
	Telangana	8320	0	180.6	77.6	2.0	452	0.0
	Karnataka	10715	0	206.8	72.5	-0.5	386	0.0
	Kerala	3329	0	65.6	54.1	0.8	156	0.0
	Tamil Nadu	13391	0	282.9	143.5	0.9	429	0.0
	Pondy	345	0	6.9	7.3	-0.5	43	0.0
	Bihar	4115	0	69.0	68.4	-2.7	460	0.0
ER	DVC	2997	0	66.2	-21.4	5.0	396	0.0
	Jharkhand	1112	0	24.2	16.9	0.5	169	0.0
	Odisha	4234	0	71.9	23.7	2.5	267	0.0
	West Bengal	6064	0	106.6	20.2	0.5	309	0.0
	Sikkim	100	0	1.5	1.5	0.1	18	0.0
NER	Arunachal Pradesh	106	4	2.2	1.7	0.4	83	0.0
	Assam	1372	28	23.4	17.7	1.1	118	0.1
	Manipur	172	6	2.4	2.8	-0.4	38	0.0
	Meghalaya	314	3	6.3	5.8	-0.3	15	0.0
	Mizoram	83	4	1.8	1.1	0.3	14	0.0
	Nagaland	116	5	2.2	1.9	0.0	28	0.0
	Tripura	226	12	3.8	1.4	0.6	45	0.0

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	2.2	-6.9	-13.2
Day peak (MW)	197.4	-310.0	-816.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	157.0	-181.8	87.9	-67.2	4.4	0.3
Actual(MU)	145.5	-196.6	102.0	-56.9	4.8	-1.3
O/D/U/D(MU)	-11.6	-14.9	14.1	10.3	0.4	-1.6

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	5323	16755	6332	1870	306	30586
State Sector	10410	13680	7920	6275	50	38335
Total	15733	30435	14252	8145	356	68920

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Coal	561	1139	517	398	5	2618
Lignite	17	13	54	0	0	84
Hydro	119	32	71	38	7	267
Nuclear	24	19	37	0	0	81
Gas, Naptha & Diesel	26	42	18	0	30	115
RES (Wind, Solar, Biomass & Others)	56	71	131	1	0	259
Total	804	1315	827	436	41	3424

Share of RES in total generation (%)	7.00	5.39	15.80	0.21	0.10	7.56
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	24.90	9.30	28.87	8.83	16.15	17.71

H. Diversity Factor

All India Demand Diversity Factor	1.042
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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 : 26-Dec-18	
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)									
1	765kV	GAYA-VARANASI	D/C	0	593	0.0	7.0	-7.0	
2		SASARAM-FATEHPUR	S/C	19	250	0.0	2.7	-2.7	
3		GAYA-BALIA	S/C	0	272	0.0	4.2	-4.2	
4		ALIPURDUAR-AGRA	-	0	0	0.0	0.0	0.0	
5	400 kV	PUSAULI B/B	S/C	0	149	0.0	3.7	-3.7	
6		PUSAULI-VARANASI	S/C	0	142	0.0	2.8	-2.8	
7		PUSAULI -ALLAHABAD	S/C	0	58	0.0	0.7	-0.7	
8		MUZAFFARPUR-GORAKHPUR	D/C	0	473	0.0	7.5	-7.5	
9		PATNA-BALIA	Q/C	0	883	0.0	17.9	-17.9	
10		BIHARSHARIFF-BALIA	D/C	0	266	0.0	3.5	-3.5	
11		MOTIHARI-GORAKHPUR	D/C	0	351	0.0	6.9	-6.9	
12		BIHARSHARIFF-VARANASI	D/C	96	152	0.0	0.9	-0.9	
13	220 kV	PUSAULI-SAHUPURI	S/C	0	139	0.0	2.6	-2.6	
14		SONE NAGAR-RIHAND	S/C	0	0	0.0	0.0	0.0	
15	132 kV	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	60.3	-59.7	
Import/Export of ER (With WR)									
18	765 kV	JHARSUGUDA-DHARAMJAIGARH S/C	D/C	970	0	14.4	0.0	14.4	
19		NEW RANCHI-DHARAMJAIGARH	D/C	146	270	0.0	0.4	-0.4	
20	400 kV	JHARSUGUDA-RAIGARH	Q/C	584	0	9.7	0.0	9.7	
21		RANCHI-SIPAT	D/C	150	5	1.8	0.0	1.8	
22	220 kV	BUDHIPADAR-RAIGARH	S/C	137	46	0.5	0.0	0.5	
23		BUDHIPADAR-KORBA	D/C	170	0	1.9	0.0	1.9	
ER-WR						28.3	0.4	27.9	
Import/Export of ER (With SR)									
24	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	1211.0	0.0	17.9	-17.9	
25	HVDC	JEYPORE-GAZUWAKA B/B	D/C	0.0	685.0	0.0	15.1	-15.1	
26	LINK	TALCHER-KOLAR BIPOLE	D/C	0.0	1973.0	0.0	47.8	-47.8	
27	400 kV	TALCHER-I/C	D/C	0.0	608.0	0.0	2.5	-2.5	
28	220 kV	BALIMELA-UPPER-SILERRU	S/C	1.0	0.0	0.0	0.0	0.0	
ER-SR						0.0	80.8	-80.8	
Import/Export of ER (With NER)									
29	400 kV	BINAGURI-BONGAIGAON	D/C	156	20	2.1	0.0	2	
30		ALIPURDUAR-BONGAIGAON	D/C	245	0	4.1	0.0	4	
31	220 kV	ALIPURDUAR-SALAKATI	D/C	33	33	0.3	0.0	0	
ER-NER						6.5	0.0	6.5	
Import/Export of NER (With NR)									
32	HVDC	BISWANATH CHARIALI-AGRA	-	477	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	700	0.0	16.7	-16.7	
34		V'CHAL B/B	D/C	243	0	6.0	0.0	6.0	
35		APL -MHG	D/C	0	984	0.0	24.2	-24.2	
36		GWALIOR-AGRA	D/C	0	1073	0.0	38.3	-38.3	
37	765 kV	PHAGI-GWALIOR	D/C	0	1480	0.0	22.4	-22.4	
38		JABALPUR-ORAI	D/C	36	471	0.0	9.4	-9.4	
39		GWALIOR-ORAI	S/C	682	0	11.4	0.0	11.4	
40		SATNA-ORAI	S/C	0	1721	0.0	36.4	-36.4	
41		400 kV	ZERDA-KANKROLI	S/C	102	228	0.0	1.0	-1.0
42			ZERDA -BHINMAL	S/C	0	408	0.0	4.4	-4.4
43	V'CHAL -RIHAND		S/C	978	0	17.5	0.0	17.5	
44	220 kV	RAPP-SHUJALPUR	D/C	243	173	1	0	1	
45		BADOD-KOTA	S/C	25	48	0.5	0.2	0.4	
46		BADOD-MORAK	S/C	19	95	0.0	0.8	-0.8	
47		MEHGAON-AURAIYA	S/C	99	0	1.3	0.0	1.3	
48		MALANPUR-AURAIYA	S/C	51	8	0.5	0.0	0.5	
49	132kV	GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0	
WR-NR						38.1	153.7	-115.6	
Import/Export of WR (With SR)									
50	HVDC	BHADRAWATI B/B	-	0	701	0.0	16.8	-16.8	
51	LINK	BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0	
52	765 kV	SOLAPUR-RAICHUR	D/C	319	1683	0.0	22.2	-22.2	
53		WARDHA-NIZAMABAD	D/C	0	1773	0.0	27.8	-27.8	
54	400 kV	KOLHAPUR-KUDGI	D/C	969	0	13.4	0.0	13.4	
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	64	1.2	0.0	1.2	
WR-SR						14.6	66.8	-52.2	
TRANSNATIONAL EXCHANGE									
58		BHUTAN						2.2	
59		NEPAL						-6.9	
60		BANGLADESH						-13.2	