



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 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 26.12.2018.

महोदय/Dear Sir,

आईईजीसी-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 26-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 26th 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

27-Dec-18

A. Maximum Demand

	NR	WR	SR	ER	NER	Total
Demand Met during Evening Peak hrs(MW) (at 1900 hrs: from RLDCs)	46744	47362	42422	17833	2383	156744
Peak Shortage (MW)	524	0	0	0	32	556
Energy Met (MU)	970	1113	932	352	42	3409
Hydro Gen (MU)	115	30	90	30	7	272
Wind Gen (MU)	11	41	22	-----	-----	74
Solar Gen (MU)*	21.13	19.7	62.53	0.90	0.04	104
Energy Shortage (MU)	11.7	0.0	0.0	0.0	0.1	11.8
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	47332 18:17	54935 10:33	43211 09:14	18255 19:12	2376 18:09	160309 09:54

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	0.029	0.00	0.00	2.72	2.72	78.32	18.96

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	6312	0	123.2	24.4	0.4	119	0.0	
	Haryana	6682	0	130.3	68.8	0.1	151	0.0	
	Rajasthan	12919	0	240.5	66.6	0.5	645	0.0	
	Delhi	3900	0	64.6	48.9	-0.2	257	0.0	
	UP	14480	0	289.1	107.9	0.4	364	0.0	
	Uttarakhand	2083	0	39.4	25.6	0.6	144	0.0	
	HP	1671	11	30.9	23.6	1.1	173	0.3	
	J&K	2453	613	48.2	43.7	-0.7	222	11.4	
	Chandigarh	225	0	3.7	3.1	0.6	52	0.0	
	WR	Chhattisgarh	3435	0	73.7	25.3	-0.3	255	0.0
Gujarat		14937	0	318.7	81.9	1.1	550	0.0	
MP		13752	0	260.1	148.8	-0.2	618	0.0	
Maharashtra		20993	0	415.7	109.9	-0.9	454	0.0	
Goa		462	0	9.7	9.3	-0.2	27	0.0	
DD		323	0	7.2	6.5	0.7	49	0.0	
DNH		754	0	17.5	16.8	0.7	72	0.0	
Essar steel		519	0	10.5	10.3	0.2	255	0.0	
SR		Andhra Pradesh	7865	0	165.0	55.8	1.2	465	0.0
		Telangana	8634	0	184.0	74.4	3.8	333	0.0
	Karnataka	11217	0	214.4	71.8	1.4	498	0.0	
	Kerala	3680	0	71.1	54.7	1.3	210	0.0	
	Tamil Nadu	14106	0	290.6	149.7	1.1	394	0.0	
	Pondy	359	0	6.9	7.4	-0.5	51	0.0	
	ER	Bihar	4127	0	73.3	69.8	-0.7	460	0.0
DVC		3096	0	69.7	-16.4	1.7	396	0.0	
Jharkhand		1194	0	24.9	17.4	0.2	169	0.0	
Odisha		3731	0	70.6	27.6	1.8	267	0.0	
West Bengal		6332	0	112.6	20.7	0.7	309	0.0	
Sikkim		97	0	1.4	1.9	-0.5	18	0.0	
NER	Arunachal Pradesh	109	2	2.2	1.8	0.4	82	0.0	
	Assam	1378	32	23.6	17.8	1.0	66	0.1	
	Manipur	179	2	2.5	2.9	-0.4	19	0.0	
	Meghalaya	352	0	6.6	5.8	-0.1	41	0.0	
	Mizoram	84	3	1.7	1.2	0.2	2	0.0	
	Nagaland	108	1	2.1	2.0	-0.1	22	0.0	
	Tripura	221	0	3.4	1.4	0.1	45	0.0	

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	1.9	-7.0	-14.8
Day peak (MW)	212.4	-317.0	-817.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	160.2	-177.1	78.6	-66.2	4.7	0.1
Actual(MU)	157.1	-185.2	86.1	-58.2	4.6	4.3
O/D/U/D(MU)	-3.1	-8.1	7.5	8.1	-0.1	4.2

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	5123	17326	7132	1370	306	31257
State Sector	9090	12330	7920	5855	50	35245
Total	14213	29656	15052	7225	356	66502

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Coal	587	1130	538	417	4	2676
Lignite	18	15	56	0	0	89
Hydro	115	30	90	30	7	272
Nuclear	25	19	36	0	0	80
Gas, Naptha & Diesel	29	42	18	0	30	118
RES (Wind, Solar, Biomass & Others)	60	63	121	1	0	244
Total	834	1299	859	447	41	3480
Share of RES in total generation (%)	7.13	4.84	14.09	0.21	0.10	7.02
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	23.92	8.65	28.75	6.82	17.24	17.14

H. Diversity Factor

All India Demand Diversity Factor	1.036
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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 : 27-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	551	0.0	7.2	-7.2	
2		SASARAM-FATEHPUR	S/C	0	250	0.0	2.9	-2.9	
3		GAYA-BALIA	S/C	0	263	0.0	3.9	-3.9	
4		ALIPURDUAR-AGRA	-	0	0	0.0	0.0	0.0	
5	400 kV	PUSAULI B/B	S/C	0	148	0.0	3.6	-3.6	
6		PUSAULI-VARANASI	S/C	0	138	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	508	0.0	7.3	-7.3	
9		PATNA-BALIA	Q/C	0	825	0.0	17.5	-17.5	
10		BIHARSHARIFF-BALIA	D/C	0	236	0.0	3.4	-3.4	
11		MOTIHARI-GORAKHPUR	D/C	0	350	0.0	7.0	-7.0	
12		BIHARSHARIFF-VARANASI	D/C	74	132	0.0	1.1	-1.1	
13		220 kV	PUSAULI-SAHUPURI	S/C	0	140	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	59.9	-59.3	
Import/Export of ER (With WR)									
18	765 kV	JHARSUGUDA-DHARAMJAIGARH S/C	D/C	844	95	11.0	0.0	11.0	
19		NEW RANCHI-DHARAMJAIGARH	D/C	205	171	0.3	0.0	0.3	
20	400 kV	JHARSUGUDA-RAIGARH	Q/C	510	0	8.3	0.0	8.3	
21		RANCHI-SIPAT	D/C	154	0	1.6	0.0	1.6	
22	220 kV	BUDHIPADAR-RAIGARH	S/C	69	79	0.0	0.5	-0.5	
23		BUDHIPADAR-KORBA	D/C	149	10	1.6	0.0	1.6	
ER-WR						22.8	0.5	22.3	
Import/Export of ER (With SR)									
24	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	1243.0	0.0	20.1	-20.1	
25	HVDC	JEYPORE-GAZUWAKA B/B	D/C	0.0	578.0	0.0	13.5	-13.5	
26	LINK	TALCHER-KOLAR BIPOLE	D/C	0.0	1978.0	0.0	42.9	-42.9	
27	400 kV	TALCHER-I/C	D/C	0.0	609.0	1.7	0.0	1.7	
28	220 kV	BALIMELA-UPPER-SILERRU	S/C	1.0	0.0	0.0	0.0	0.0	
ER-SR						0.0	76.4	-76.4	
Import/Export of ER (With NER)									
29	400 kV	BINAGURI-BONGAIGAON	D/C	170	42	2.2	0.0	2	
30		ALIPURDUAR-BONGAIGAON	D/C	281	0	4.2	0.0	4	
31	220 kV	ALIPURDUAR-SALAKATI	D/C	31	20	0.2	0.0	0	
ER-NER						6.6	0.0	6.6	
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	16.7	-16.7	
34		V'CHAL B/B	D/C	241	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	1001	0.0	35.7	-35.7	
37	765 kV	PHAGI-GWALIOR	D/C	0	1281	0.0	21.1	-21.1	
38		JABALPUR-ORAI	D/C	28	414	0.0	9.1	-9.1	
39		GWALIOR-ORAI	S/C	612	0	1.8	0.0	1.8	
40		SATNA-ORAI	S/C	0	1577	0.0	34.6	-34.6	
41		400 kV	ZERDA-KANKROLI	S/C	195	181	0.6	0.0	0.6
42			ZERDA -BHINMAL	S/C	56	414	0.0	3.5	-3.5
43	V'CHAL -RIHAND		S/C	484	0	10.8	0.0	10.8	
44	RAPP-SHUJALPUR		D/C	284	55	1	0	1	
45	220 kV	BADOD-KOTA	S/C	33	45	0.6	0.0	0.6	
46		BADOD-MORAK	S/C	9	131	0.0	1.5	-1.5	
47		MEHGAON-AURAIYA	S/C	132	0	1.5	0.0	1.5	
48	132kV	MALANPUR-AURAIYA	S/C	83	6	0.7	0.0	0.7	
49		GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0	
WR-NR						23.4	146.5	-123.0	
Import/Export of WR (With SR)									
50	HVDC	BHADRAWATI B/B	-	0	701	0.0	15.0	-15.0	
51	LINK	BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0	
52	765 kV	SOLAPUR-RAICHUR	D/C	345	1716	0.0	22.6	-22.6	
53		WARDHA-NIZAMABAD	D/C	0	1906	0.0	30.8	-30.8	
54	400 kV	KOLHAPUR-KUDGI	D/C	1051	0	12.1	0.0	12.1	
55		KOLHAPUR-CHIKODI	D/C	0	0	0.0	0.0	0.0	
56	220 kV	PONDA-AMBEWADI	S/C	1	1	0.0	0.0	0.0	
57		XELDEM-AMBEWADI	S/C	0	75	1.3	0.0	1.3	
WR-SR						13.5	68.3	-54.9	
TRANSNATIONAL EXCHANGE									
58		BHUTAN						1.9	
59		NEPAL						-7.0	
60		BANGLADESH						-14.8	