



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: 30th Dec 2018

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 29.12.2018.

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 29-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 29th 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

30-Dec-18

A. Maximum Demand

	NR	WR	SR	ER	NER	Total
Demand Met during Evening Peak hrs(MW) (at 1900 hrs: from RLDCs)	45767	46906	40766	17955	2422	153816
Peak Shortage (MW)	646	0	0	89	28	763
Energy Met (MU)	972	1082	919	340	42	3356
Hydro Gen (MU)	116	27	73	28	8	251
Wind Gen (MU)	4	48	46	-----	-----	98
Solar Gen (MU)*	23.64	22	60.23	0.90	0.03	107
Energy Shortage (MU)	14.7	0.0	0.0	0.3	0.3	15.2
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	47880 18:27	54008 10:37	43474 08:08	18157 19:19	2471 19:19	158104 18:31

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	0.043	0.00	0.17	10.82	11.00	77.86	11.15

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	6035	0	119.2	24.4	-0.4	69	0.0	
	Haryana	6642	0	128.6	65.5	1.0	225	0.0	
	Rajasthan	12423	0	240.7	69.3	1.8	357	0.0	
	Delhi	4170	0	69.3	50.8	0.2	248	0.0	
	UP	13804	460	290.7	104.5	0.8	219	2.4	
	Uttarakhand	2160	0	39.2	26.4	-0.6	88	0.0	
	HP	1665	0	30.6	24.0	0.9	269	0.4	
	J&K	2817	704	50.5	44.8	0.8	350	11.9	
	Chandigarh	229	0	3.7	3.2	0.5	57	0.0	
	WR	Chhattisgarh	3516	0	75.1	18.0	-0.8	184	0.0
Gujarat		15093	0	317.3	79.5	0.4	502	0.0	
MP		13548	0	256.4	141.5	0.3	400	0.0	
Maharashtra		19490	0	388.4	93.4	-1.6	515	0.0	
Goa		462	0	9.8	9.3	-0.1	27	0.0	
DD		311	0	7.0	6.4	0.6	59	0.0	
DNH		746	0	17.3	16.9	0.4	58	0.0	
Essar steel		535	0	11.1	10.7	0.4	276	0.0	
SR		Andhra Pradesh	8190	0	165.6	59.6	-1.1	384	0.0
		Telangana	8807	0	184.0	71.6	0.2	484	0.0
	Karnataka	10672	0	204.8	68.0	-2.0	381	0.0	
	Kerala	3447	0	70.2	54.6	0.9	204	0.0	
	Tamil Nadu	13431	0	287.1	151.6	-0.2	301	0.0	
	Pondy	349	0	7.1	7.6	-0.5	22	0.0	
	ER	Bihar	4132	0	72.1	64.2	4.2	460	0.0
		DVC	3032	0	64.6	-24.8	0.1	396	0.0
		Jharkhand	1228	89	23.4	16.0	1.5	169	0.3
		Odisha	3802	0	68.2	25.3	0.7	267	0.0
West Bengal		6136	0	110.2	22.9	2.7	309	0.0	
Sikkim		100	0	1.4	1.5	-0.1	18	0.0	
NER		Arunachal Pradesh	109	2	1.9	1.8	0.1	36	0.0
		Assam	1372	22	23.3	17.8	1.0	85	0.3
		Manipur	178	3	2.8	3.0	-0.2	26	0.0
		Meghalaya	351	0	6.7	5.9	-0.4	10	0.0
	Mizoram	99	2	1.9	1.2	0.4	19	0.0	
	Nagaland	125	3	2.0	2.0	-0.2	27	0.0	
	Tripura	225	0	3.8	1.4	0.1	37	0.0	

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	2.1	-7.0	-12.7
Day peak (MW)	126.3	-327.0	-803.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	158.1	-189.9	94.4	-66.7	3.9	-0.1
Actual(MU)	145.8	-193.8	93.0	-50.3	3.4	-1.8
O/D/U/D(MU)	-12.3	-3.9	-1.4	16.4	-0.5	-1.7

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	4292	17376	6832	2164	306	30970
State Sector	9085	12102	9340	6275	50	36852
Total	13377	29478	16172	8439	356	67821

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Coal	594	1116	515	401	5	2631
Lignite	23	17	55	0	0	95
Hydro	116	27	73	28	8	251
Nuclear	19	19	35	0	0	73
Gas, Naptha & Diesel	30	41	21	0	29	121
RES (Wind, Solar, Biomass & Others)	56	72	140	1	0	269
Total	837	1291	839	430	42	3440

Share of RES in total generation (%)	6.64	5.57	16.71	0.22	0.07	7.81
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	22.74	9.07	29.59	6.73	19.63	17.24

H. Diversity Factor

All India Demand Diversity Factor	1.050
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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 : 30-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	625	0.0	7.6	-7.6
2		SASARAM-FATEHPUR	S/C	0	244	0.0	2.6	-2.6
3		GAYA-BALIA	S/C	0	336	0.0	5.3	-5.3
4		ALIPURDUAR-AGRA	-	0	151	0.0	0.1	-0.1
5	HVDC	PUSAULI B/B	S/C	0	147	0.0	3.5	-3.5
6	400 kV	PUSAULI-VARANASI	S/C	0	117	0.0	2.3	-2.3
7		PUSAULI -ALLAHABAD	S/C	0	78	0.0	1.2	-1.2
8		MUZAFFARPUR-GORAKHPUR	D/C	39	500	0.0	5.3	-5.3
9		PATNA-BALIA	Q/C	0	731	0.0	11.1	-11.1
10		BIHARSHARIFF-BALIA	D/C	0	319	0.0	4.6	-4.6
11		MOTIHARI-GORAKHPUR	D/C	0	330	0.0	5.9	-5.9
12		BIHARSHARIFF-VARANASI	D/C	50	184	0.0	1.6	-1.6
13	220 kV	PUSAULI-SAHUPURI	S/C	0	134	0.0	2.6	-2.6
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	53.6	-53.0
Import/Export of ER (With WR)								
18	765 kV	JHARSUGUDA-DHARAMJAIGARH S/C	D/C	1596	0	24.6	0.0	24.6
19		NEW RANCHI-DHARAMJAIGARH	D/C	323	156	1.8	0.0	1.8
20	400 kV	JHARSUGUDA-RAIGARH	Q/C	219	178	0.0	0.3	-0.3
21		RANCHI-SIPAT	D/C	181	0	2.4	0.0	2.4
22	220 kV	BUDHIPADAR-RAIGARH	S/C	4	89	0.0	1.1	-1.1
23		BUDHIPADAR-KORBA	D/C	164	0	2.6	0.0	2.6
ER-WR						31.4	1.4	30.0
Import/Export of ER (With SR)								
24	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	1258.0	0.0	20.0	-20.0
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	1976.0	0.0	43.7	-43.7
27	400 kV	TALCHER-I/C	D/C	0.0	643.0	0.0	0.9	-0.9
28	220 kV	BALIMELA-UPPER-SILERRU	S/C	1.0	0.0	0.0	0.0	0.0
ER-SR						0.0	79.7	-79.7
Import/Export of ER (With NER)								
29	400 kV	BINAGURI-BONGAIGAON	D/C	176	175	2.0	0.0	2
30		ALIPURDUAR-BONGAIGAON	D/C	272	66	3.5	0.0	3
31	220 kV	ALIPURDUAR-SALAKATI	D/C	42	28	0.2	0.0	0
ER-NER						5.6	0.0	5.6
Import/Export of NER (With NR)								
32	HVDC	BISWANATH CHARIALI-AGRA	-	486	0	9.0	0.0	9.0
NER-NR						9.0	0.0	9.0
Import/Export of WR (With NR)								
33	HVDC	CHAMPA-KURUKSHETRA	D/C	0	606	0.0	14.2	-14.2
34		V'CHAL B/B	D/C	241	0	6.0	0.0	6.0
35		APL -MHG	D/C	0	1645	0.0	39.2	-39.2
36		GWALIOR-AGRA	D/C	0	983	0.0	35.9	-35.9
37	765 kV	PHAGI-GWALIOR	D/C	0	1198	0.0	19.0	-19.0
38		JABALPUR-ORAI	D/C	144	359	0.0	7.8	-7.8
39		GWALIOR-ORAI	S/C	575	0	10.4	0.0	10.4
40		SATNA-ORAI	S/C	0	1644	0.0	35.4	-35.4
41		ZERDA-KANKROLI	S/C	154	146	0.8	0.0	0.8
42	400 kV	ZERDA -BHINMAL	S/C	4	322	0.0	2.7	-2.7
43		V'CHAL -RIHAND	S/C	995	0	21.8	0.0	21.8
44		RAPP-SHUJALPUR	D/C	306	52	2	0	2
45	220 kV	BADOD-KOTA	S/C	21	53	0.3	0.0	0.3
46		BADOD-MORAK	S/C	0	164	0.0	2.0	-2.0
47		MEHGAON-AURAIYA	S/C	96	0	1.4	0.0	1.4
48		MALANPUR-AURAIYA	S/C	48	9	0.5	0.0	0.5
49	132kV	GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0
WR-NR						42.8	156.2	-113.3
Import/Export of WR (With SR)								
50	HVDC	BHADRAWATI B/B	-	0	995	0.0	21.6	-21.6
51	LINK	BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0
52	765 kV	SOLAPUR-RAICHUR	D/C	419	1748	0.0	21.8	-21.8
53		WARDHA-NIZAMABAD	D/C	0	1856	0.0	25.7	-25.7
54	400 kV	KOLHAPUR-KUDGI	D/C	1019	0	12.5	0.0	12.5
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	43	1.0	0.0	1.0
WR-SR						13.6	69.1	-55.5
TRANSNATIONAL EXCHANGE								
58		BHUTAN						2.1
59		NEPAL						-7.0
60		BANGLADESH						-12.7