



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: 16th 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 15.12.2018.

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 15-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 15th 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

16-Dec-18

A. Maximum Demand

	NR	WR	SR	ER	NER	Total
Demand Met during Evening Peak hrs(MW) (at 1900 hrs; from RLDCs)	44675	48450	41151	17934	2415	154625
Peak Shortage (MW)	583	0	0	0	60	643
Energy Met (MU)	908	1101	908	352	41	3310
Hydro Gen (MU)	125	24	65	32	7	254
Wind Gen (MU)	32	111	56	-----	-----	199
Solar Gen (MU)*	22.84	18.7	59.91	0.85	0.03	102
Energy Shortage (MU)	13.6	0.0	0.0	0.0	0.8	14.4
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	45591 18:25	53321 10:01	42892 07:45	18409 18:36	3200 16:44	157202 18:37

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	0.044	0.00	0.49	11.74	12.22	77.33	10.45

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	5896	0	121.0	32.9	-0.1	119	0.0	
	Haryana	6410	0	120.2	61.3	1.3	221	0.0	
	Rajasthan	12075	0	228.0	60.7	-0.6	354	0.0	
	Delhi	3637	0	61.6	46.7	0.1	205	0.0	
	UP	13377	20	257.9	110.8	0.4	249	1.8	
	Uttarakhand	1993	0	37.4	26.7	-0.2	83	0.0	
	HP	1571	19	29.0	21.6	0.5	118	0.1	
	J&K	2454	613	49.8	42.1	1.3	215	11.7	
WR	Chandigarh	200	0	3.3	3.2	0.1	34	0.0	
	Chhattisgarh	3585	0	76.1	13.6	-1.3	276	0.0	
	Gujarat	14837	0	317.7	80.9	2.2	784	0.0	
	MP	13353	0	250.3	132.6	-2.7	351	0.0	
	Maharashtra	20288	0	412.4	91.6	0.4	481	0.0	
	Goa	453	0	9.8	8.9	0.5	50	0.0	
	DD	310	0	6.4	5.7	0.7	95	0.0	
	DNH	728	0	16.9	15.9	1.0	140	0.0	
SR	Essar steel	571	0	11.8	10.8	1.0	344	0.0	
	Andhra Pradesh	7962	0	166.9	44.8	0.5	467	0.0	
	Telangana	8194	0	171.8	99.5	0.8	415	0.0	
	Karnataka	10640	0	203.5	56.8	-2.5	438	0.0	
	Kerala	3596	0	70.4	60.0	0.8	187	0.0	
	Tamil Nadu	14168	0	288.8	142.4	0.5	431	0.0	
	Pondy	334	0	6.7	7.2	-0.4	24	0.0	
	ER	Bihar	3894	0	70.6	65.5	1.8	460	0.0
DVC		3049	0	63.4	-18.6	0.1	396	0.0	
Jharkhand		1042	0	24.1	16.5	1.3	169	0.0	
Odisha		4140	0	75.9	24.6	2.4	267	0.0	
West Bengal		6365	0	116.2	22.2	-0.5	309	0.0	
Sikkim		99	0	1.5	1.4	0.1	18	0.0	
NER		Arunachal Pradesh	128	8	2.3	2.0	0.3	1576	0.0
		Assam	1392	31	22.8	17.9	0.5	91	0.5
	Manipur	157	4	2.8	2.9	-0.1	21	0.0	
	Meghalaya	348	14	6.0	5.1	-0.1	24	0.3	
	Mizoram	93	6	1.5	1.1	-0.1	32	0.0	
	Nagaland	131	7	2.0	1.9	-0.1	20	0.0	
	Tripura	231	12	3.4	1.6	-0.1	72	0.0	

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	2.1	-4.2	-12.5
Day peak (MW)	173.4	-186.0	-794.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	146.8	-200.7	124.7	-70.7	-0.2	-0.1
Actual(MU)	148.5	-208.5	119.6	-60.7	-2.0	-3.2
O/D/U/D(MU)	1.7	-7.8	-5.1	10.0	-1.8	-3.1

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	4317	17645	7682	1870	106	31620
State Sector	12005	16049	9200	6405	50	43709
Total	16322	33694	16882	8275	156	75329

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Coal	508	1085	466	407	10	2476
Lignite	17	15	52	0	0	84
Hydro	125	24	65	32	7	254
Nuclear	29	19	36	0	0	84
Gas, Naptha & Diesel	25	41	23	0	29	119
RES (Wind, Solar, Biomass & Others)	82	132	153	1	0	367
Total	786	1316	796	440	46	3384

Share of RES in total generation (%)	10.47	10.01	19.18	0.20	0.06	10.86
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	30.05	13.32	31.91	7.49	15.86	20.86

H. Diversity Factor

All India Demand Diversity Factor	1.040
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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 : 16-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	561	0.0	6.8	-6.8	
2		SASARAM-FATEHPUR	S/C	0	350	0.0	5.9	-5.9	
3		GAYA-BALIA	S/C	0	217	0.0	3.5	-3.5	
4		ALIPURDUAR-AGRA	-	0	0	0.0	0.0	0.0	
5	HVDC	PUSAULI B/B	S/C	3	0	0.0	0.0	0.0	
6	400 kV	PUSAULI-VARANASI	S/C	14	26	0.0	0.2	-0.2	
7		PUSAULI -ALLAHABAD	S/C	29	63	0.1	0.0	0.1	
8		MUZAFFARPUR-GORAKHPUR	D/C	0	605	0.0	9.0	-9.0	
9		PATNA-BALIA	Q/C	0	877	0.0	17.7	-17.7	
10		BIHARSHARIFF-BALIA	D/C	0	244	0.0	3.4	-3.4	
11		MOTIHARI-GORAKHPUR	D/C	0	350	0.0	6.7	-6.7	
12		BIHARSHARIFF-VARANASI	D/C	9	214	0.0	2.4	-2.4	
13	220 kV	PUSAULI-SAHUPURI	S/C	0	131	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						0.7	58.0	-57.3	
Import/Export of ER (With WR)									
18	765 kV	JHARSUGUDA-DHARAMJAIGARH S/C	D/C	1756	0	26.9	0.0	26.9	
19		NEW RANCHI-DHARAMJAIGARH	D/C	268	435	0.0	2.1	-2.1	
20	400 kV	JHARSUGUDA-RAIGARH	Q/C	260	140	0.9	0.0	0.9	
21		RANCHI-SIPAT	D/C	174	55	1.6	0.0	1.6	
22	220 kV	BUDHIPADAR-RAIGARH	S/C	0	124	0.0	2.1	-2.1	
23		BUDHIPADAR-KORBA	D/C	149	0	2.0	0.0	2.0	
ER-WR						31.4	4.2	27.3	
Import/Export of ER (With SR)									
24	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	1724.0	0.0	28.6	-28.6	
25	HVDC	JEYPORE-GAZUWAKA B/B	D/C	0.0	687.0	0.0	16.0	-16.0	
26	LINK	TALCHER-KOLAR BIPOLE	D/C	0.0	2457.0	0.0	40.9	-40.9	
27	400 kV	TALCHER-I/C	D/C	0.0	876.0	1.2	0.0	1.2	
28	220 kV	BALIMELA-UPPER-SILERRU	S/C	1.0	0.0	0.0	0.0	0.0	
ER-SR						0.0	85.5	-85.5	
Import/Export of ER (With NER)									
29	400 kV	BINAGURI-BONGAIGAON	D/C	316	0	4.6	0.0	5	
30		ALIPURDUAR-BONGAIGAON	D/C	449	0	7.6	0.0	8	
31	220 kV	ALIPURDUAR-SALAKATI	D/C	74	0	1.0	0.0	1	
ER-NER						13.2	0.0	13.2	
Import/Export of NER (With NR)									
32	HVDC	BISWANATH CHARIALI-AGRA	-	656	0	13.0	0.0	13.0	
NER-NR						13.0	0.0	13.0	
Import/Export of WR (With NR)									
33	HVDC	CHAMPA-KURUKSHETRA	D/C	0	701	0.0	16.7	-16.7	
34		V'CHAL B/B	D/C	0	0	0.0	0.0	0.0	
35		APL -MHG	D/C	0	1174	0.0	25.7	-25.7	
36		GWALIOR-AGRA	D/C	0	982	0.0	34.9	-34.9	
37	765 kV	PHAGI-GWALIOR	D/C	0	1309	0.0	17.5	-17.5	
38		JABALPUR-ORAI	D/C	190	331	0.0	8.2	-8.2	
39		GWALIOR-ORAI	S/C	568	0	8.7	0.0	8.7	
40		SATNA-ORAI	S/C	0	1698	0.0	35.7	-35.7	
41		400 kV	ZERDA-KANKROLI	S/C	147	125	1.5	0.0	1.5
42			ZERDA -BHINMAL	S/C	109	284	0.0	1.0	-1.0
43	V'CHAL -RIHAND		S/C	992	0	21.6	0.0	21.6	
44	RAPP-SHUJALPUR		D/C	336	30	2	0	2	
45	220 kV	BADOD-KOTA	S/C	59	26	0.4	0.1	0.3	
46		BADOD-MORAK	S/C	0	106	0.0	1.2	-1.2	
47		MEHGAON-AURAIYA	S/C	89	0	1.2	0.0	1.2	
48		MALANPUR-AURAIYA	S/C	49	17	0.4	0.0	0.4	
49	132kV	GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0	
WR-NR						35.9	140.9	-105.0	
Import/Export of WR (With SR)									
50	HVDC	BHADRAWATI B/B	-	0	995	0.0	20.3	-20.3	
51	LINK	BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0	
52	765 kV	SOLAPUR-RAICHUR	D/C	224	2008	0.0	27.1	-27.1	
53		WARDHA-NIZAMABAD	D/C	0	2644	0.0	40.3	-40.3	
54	400 kV	KOLHAPUR-KUDGI	D/C	843	0	9.9	0.0	9.9	
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	1.3	0.0	1.3	
WR-SR						11.2	87.7	-76.5	
TRANSNATIONAL EXCHANGE									
58		BHUTAN						2.1	
59		NEPAL						-4.2	
60		BANGLADESH						-12.5	