



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: 14th 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 12.12.2018.

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 13-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 13th 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

14-Dec-18

A. Maximum Demand

	NR	WR	SR	ER	NER	Total
Demand Met during Evening Peak hrs(MW) (at 1900 hrs; from RLDCs)	44004	47701	41576	17640	2428	153349
Peak Shortage (MW)	572	0	-33	209	22	770
Energy Met (MU)	901	1109	935	351	42	3338
Hydro Gen (MU)	119	23	79	27	7	255
Wind Gen (MU)	13	65	24	-----	-----	103
Solar Gen (MU)*	18.62	18.13	52.46	0.52	0.04	90
Energy Shortage (MU)	12.1	0.0	0.0	0.6	0.6	13.3
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	44587 18:27	53917 10:59	44567 07:41	18150 18:16	2382 17:20	155725 18:19

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	0.036	0.00	0.50	7.25	7.74	86.22	6.04

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	5714	0	123.9	27.6	-0.3	84	0.0	
	Haryana	6312	0	114.3	58.2	0.6	188	0.1	
	Rajasthan	11658	0	224.3	63.8	0.9	407	0.0	
	Delhi	3607	0	64.5	48.7	-0.2	223	0.0	
	UP	12704	0	255.8	104.1	-0.4	315	0.7	
	Uttarakhand	2004	0	38.2	27.0	0.3	160	0.0	
	HP	1533	0	28.8	21.8	-0.1	96	0.0	
	J&K	2420	605	48.0	41.2	-0.8	252	11.3	
	Chandigarh	207	0	3.4	3.2	0.2	34	0.0	
	WR	Chhattisgarh	3591	0	75.7	18.2	-0.3	703	0.0
Gujarat		14895	0	318.5	78.8	0.1	430	0.0	
MP		13180	0	248.9	140.2	-1.3	365	0.0	
Maharashtra		20763	0	421.5	103.9	-1.1	464	0.0	
Goa		453	0	9.8	9.1	0.4	53	0.0	
DD		320	0	7.1	6.4	0.8	80	0.0	
DNH		743	0	17.3	16.6	0.6	79	0.0	
Essar steel		519	0	9.7	10.3	-0.5	264	0.0	
SR		Andhra Pradesh	8100	0	172.4	57.1	0.8	403	0.0
		Telangana	8446	0	172.9	89.4	1.1	603	0.0
	Karnataka	11110	0	213.7	69.4	-0.7	669	0.0	
	Kerala	3659	0	71.5	60.1	0.7	195	0.0	
	Tamil Nadu	13778	0	298.2	150.2	0.9	654	0.0	
	Pondy	341	0	6.7	7.0	-0.4	29	0.0	
	ER	Bihar	4079	0	71.5	68.8	-0.5	460	0.0
DVC		2947	0	63.7	-18.1	0.7	396	0.0	
Jharkhand		1082	209	21.7	14.8	-0.1	169	0.6	
Odisha		3952	0	76.9	22.1	1.8	267	0.0	
West Bengal		6506	0	115.8	23.9	1.9	309	0.0	
Sikkim		100	0	1.5	1.7	-0.1	18	0.0	
NER	Arunachal Pradesh	112	3	2.1	2.0	0.1	52	0.0	
	Assam	1384	13	23.9	18.5	1.7	112	0.2	
	Manipur	179	2	2.6	2.8	-0.2	33	0.0	
	Meghalaya	354	0	6.1	5.1	-0.1	20	0.3	
	Mizoram	91	2	1.6	1.1	0.1	27	0.0	
	Nagaland	129	1	2.0	1.9	-0.2	35	0.0	
	Tripura	224	0	3.8	1.6	0.3	22	0.0	

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	1.9	-4.3	-14.2
Day peak (MW)	164.9	-184.0	-811.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	144.8	-187.1	116.5	-74.1	0.4	0.4
Actual(MU)	137.7	-195.0	119.0	-65.0	0.7	-2.6
O/D/U/D(MU)	-7.2	-7.9	2.6	9.1	0.3	-3.0

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	4317	16235	7932	1370	106	29960
State Sector	13375	13620	7510	6015	50	40570
Total	17692	29855	15442	7385	156	70530

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Coal	522	1133	520	419	9	2604
Lignite	19	16	56	0	0	90
Hydro	119	23	79	27	7	255
Nuclear	29	19	36	0	0	85
Gas, Naptha & Diesel	25	40	24	0	29	118
RES (Wind, Solar, Biomass & Others)	67	85	111	1	0	264
Total	782	1316	826	447	45	3415

Share of RES in total generation (%)	8.61	6.43	13.47	0.12	0.09	7.73
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	27.54	9.65	27.42	6.20	15.04	17.66

H. Diversity Factor

All India Demand Diversity Factor	1.051
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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 : 14-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	502	0.0	4.7	-4.7	
2		SASARAM-FATEHPUR	S/C	0	324	0.0	4.3	-4.3	
3		GAYA-BALIA	S/C	0	280	0.0	4.0	-4.0	
4		ALIPURDUAR-AGRA	-	0	0	0.0	0.0	0.0	
5	400 kV	PUSAULI B/B	S/C	4	0	0.0	0.0	0.0	
6		PUSAULI-VARANASI	S/C	46	24	0.3	0.0	0.3	
7		PUSAULI -ALLAHABAD	S/C	63	59	0.2	0.0	0.2	
8		MUZAFFARPUR-GORAKHPUR	D/C	0	561	0.0	7.4	-7.4	
9		PATNA-BALIA	Q/C	0	856	0.0	17.2	-17.2	
10		BIHARSHARIFF-BALIA	D/C	0	218	0.0	3.4	-3.4	
11		MOTIHARI-GORAKHPUR	D/C	0	310	0.0	6.1	-6.1	
12		BIHARSHARIFF-VARANASI	D/C	61	208	0.0	2.1	-2.1	
13		220 kV	PUSAULI-SAHUPURI	S/C	0	134	0.0	2.2	-2.2
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						1.0	51.3	-50.3	
Import/Export of ER (With WR)									
18	765 kV	JHARSUGUDA-DHARAMJAIGARH S/C	D/C	1218	0	11.5	0.0	11.5	
19		NEW RANCHI-DHARAMJAIGARH	D/C	274	419	0.0	1.2	-1.2	
20	400 kV	JHARSUGUDA-RAIGARH	Q/C	60	307	0.0	3.6	-3.6	
21		RANCHI-SIPAT	D/C	165	61	1.3	0.0	1.3	
22	220 kV	BUDHIPADAR-RAIGARH	S/C	0	110	0.0	1.6	-1.6	
23		BUDHIPADAR-KORBA	D/C	140	0	1.9	0.0	1.9	
ER-WR						14.7	6.4	8.4	
Import/Export of ER (With SR)									
24	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	1012.0	0.0	16.7	-16.7	
25	HVDC	JEYPORE-GAZUWAKA B/B	D/C	0.0	675.0	0.0	16.1	-16.1	
26	LINK	TALCHER-KOLAR BIPOLE	D/C	0.0	2463.0	0.0	45.8	-45.8	
27	400 kV	TALCHER-I/C	D/C	0.0	834.0	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	78.6	-78.6	
Import/Export of ER (With NER)									
29	400 kV	BINAGURI-BONGAIGAON	D/C	233	32	3.9	0.0	4	
30		ALIPURDUAR-BONGAIGAON	D/C	356	0	6.1	0.0	6	
31	220 kV	ALIPURDUAR-SALAKATI	D/C	47	23	0.7	0.0	1	
ER-NER						10.6	0.0	10.6	
Import/Export of NER (With NR)									
32	HVDC	BISWANATH CHARIALI-AGRA	-	472	0	11.8	0.0	11.8	
NER-NR						11.8	0.0	11.8	
Import/Export of WR (With NR)									
33	HVDC	CHAMPA-KURUKSHETRA	D/C	0	1000	0.0	16.9	-16.9	
34		V'CHAL B/B	D/C	0	0	0.0	0.0	0.0	
35		APL -MHG	D/C	0	1551	0.0	26.6	-26.6	
36		GWALIOR-AGRA	D/C	0	1002	0.0	34.5	-34.5	
37	765 kV	PHAGI-GWALIOR	D/C	0	1149	0.0	16.9	-16.9	
38		JABALPUR-ORAI	D/C	215	306	0.0	6.4	-6.4	
39		GWALIOR-ORAI	S/C	519	0	9.1	0.0	9.1	
40		SATNA-ORAI	S/C	0	1681	0.0	37.1	-37.1	
41		400 kV	ZERDA-KANKROLI	S/C	189	117	1.6	0.0	1.6
42			ZERDA -BHINMAL	S/C	114	301	0.0	1.7	-1.7
43	V'CHAL -RIHAND		S/C	992	0	21.9	0.0	21.9	
44	RAPP-SHUJALPUR		D/C	409	0	3	0	3	
45	220 kV	BADOD-KOTA	S/C	45	16	1.1	0.0	1.1	
46		BADOD-MORAK	S/C	49	61	0.2	0.4	-0.2	
47		MEHGAON-AURAIYA	S/C	83	0	1.0	0.0	1.0	
48		MALANPUR-AURAIYA	S/C	52	17	0.4	0.0	0.3	
49	132kV	GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0	
WR-NR						38.0	140.6	-102.7	
Import/Export of WR (With SR)									
50	HVDC	BHADRAWATI B/B	-	0	995	0.0	23.7	-23.7	
51	LINK	BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0	
52	765 kV	SOLAPUR-RAICHUR	D/C	0	2332	0.0	30.9	-30.9	
53		WARDHA-NIZAMABAD	D/C	0	2711	0.0	44.2	-44.2	
54	400 kV	KOLHAPUR-KUDGI	D/C	897	26	9.3	0.0	9.3	
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						10.5	98.7	-88.2	
TRANSNATIONAL EXCHANGE									
58		BHUTAN						1.9	
59		NEPAL						-4.3	
60		BANGLADESH						-14.2	