



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: 10th 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 09.12.2018.

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 09-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 9th 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

10-Dec-18

A. Maximum Demand

	NR	WR	SR	ER	NER	Total
Demand Met during Evening Peak hrs(MW) (at 1900 hrs; from RLDCs)	42233	46025	37676	16789	2336	145059
Peak Shortage (MW)	562	0	0	0	25	587
Energy Met (MU)	906	1112	861	333	41	3252
Hydro Gen (MU)	119	22	64	26	7	239
Wind Gen (MU)	5	26	41	-----	-----	72
Solar Gen (MU)*	21.21	18.32	53.03	0.84	0.04	93
Energy Shortage (MU)	11.2	0.0	0.0	0.0	0.4	11.6
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	43234 09:39	53475 10:27	38208 08:24	17111 18:43	2334 18:01	149106 09:39

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	0.040	0.00	0.27	10.83	11.10	80.73	8.17

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	5961	0	132.1	40.0	-0.6	113	0.0
	Haryana	5727	0	120.0	55.8	3.8	291	0.0
	Rajasthan	12237	0	229.9	68.9	1.6	618	0.0
	Delhi	3509	0	59.3	43.3	-0.1	137	0.0
	UP	12855	0	255.3	99.4	-0.3	293	1.2
	Uttarakhand	1822	0	33.7	23.7	-0.3	133	0.0
	HP	1450	0	26.2	19.5	-0.1	103	0.2
	J&K	2398	600	46.1	40.1	-1.9	309	9.8
WR	Chandigarh	185	0	3.0	2.8	0.2	40	0.0
	Chhattisgarh	3539	0	77.2	13.8	-1.4	579	0.0
	Gujarat	14438	0	313.4	103.7	1.1	519	0.0
	MP	13488	0	255.2	141.1	-2.9	374	0.0
	Maharashtra	20391	0	420.5	111.3	-1.9	584	0.0
	Goa	488	0	10.6	9.4	0.7	26	0.0
	DD	280	0	6.5	5.9	0.6	74	0.0
	DNH	729	0	17.0	16.2	0.9	90	0.0
SR	Essar steel	549	0	11.1	11.4	-0.3	280	0.0
	Andhra Pradesh	7745	0	169.0	60.0	2.0	476	0.0
	Telangana	7750	0	164.0	66.8	2.3	467	0.0
	Karnataka	10006	0	193.9	64.8	0.3	439	0.0
	Kerala	3353	0	65.7	54.7	1.4	178	0.0
	Tamil Nadu	12186	0	262.4	119.7	1.2	496	0.0
	Pondy	287	0	6.1	6.5	-0.4	17	0.0
	ER	Bihar	4061	0	73.6	67.9	2.6	460
DVC		2951	0	62.5	-26.4	3.8	396	0.0
Jharkhand		1112	0	20.9	16.9	-0.3	169	0.0
Odisha		3535	0	69.5	29.0	2.0	267	0.0
West Bengal		5687	0	105.1	20.0	3.8	309	0.0
Sikkim		86	0	1.2	1.7	-0.5	18	0.0
NER	Arunachal Pradesh	109	2	2.2	1.8	0.4	24	0.0
	Assam	1335	12	22.4	16.9	1.2	132	0.2
	Manipur	174	2	2.8	2.9	-0.1	31	0.0
	Meghalaya	347	0	6.5	5.3	-0.2	2	0.2
	Mizoram	85	1	1.6	1.1	0.2	17	0.0
	Nagaland	126	3	2.1	1.7	0.2	35	0.0
	Tripura	213	1	3.4	1.3	0.3	58	0.0

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	2.5	-4.1	-14.8
Day peak (MW)	232.8	-186.0	-814.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	157.9	-166.6	84.2	-77.8	2.3	0.0
Actual(MU)	149.7	-175.0	87.9	-68.5	2.7	-3.2
O/D/U/D(MU)	-8.2	-8.4	3.7	9.2	0.4	-3.3

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	4817	17586	8142	1370	331	32247
State Sector	10645	12160	7540	6015	50	36410
Total	15462	29746	15682	7385	381	68656

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Coal	514	1154	473	410	7	2557
Lignite	19	16	48	0	0	83
Hydro	119	22	64	26	7	239
Nuclear	29	19	36	0	0	85
Gas, Naptha & Diesel	26	41	21	0	28	117
RES (Wind, Solar, Biomass & Others)	62	46	136	1	0	244
Total	769	1298	778	437	42	3324
Share of RES in total generation (%)	8.04	3.56	17.43	0.20	0.10	7.35
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	27.39	6.75	30.26	6.16	16.80	17.08

H. Diversity Factor

All India Demand Diversity Factor	1.035
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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 : **10-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	631	0.0	9.8	-9.8	
2		SASARAM-FATEHPUR	S/C	0	306	0.0	4.9	-4.9	
3		GAYA-BALIA	S/C	0	244	0.0	3.8	-3.8	
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	74	0	0.8	0.0	0.8	
7		PUSAULI -ALLAHABAD	S/C	63	39	0.2	0.0	0.2	
8		MUZAFFARPUR-GORAKHPUR	D/C	0	587	0.0	8.4	-8.4	
9		PATNA-BALIA	Q/C	0	861	0.0	16.8	-16.8	
10		BIHARSHARIFF-BALIA	D/C	0	218	0.0	3.1	-3.1	
11		MOTIHARI-GORAKHPUR	D/C	0	350	0.0	7.1	-7.1	
12		BIHARSHARIFF-VARANASI	D/C	0	223	0.0	3.2	-3.2	
13		220 kV	PUSAULI-SAHUPURI	S/C	0	130	0.0	2.3	-2.3
14		132 kV	SONE NAGAR-RIHAND	S/C	0	0	0.0	0.0	0.0
15	GARWAH-RIHAND		S/C	25	0	0.5	0.0	0.5	
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						1.5	59.4	-57.9	
Import/Export of ER (With WR)									
18	765 kV	JHARSUGUDA-DHARAMJAIGARH S/C	D/C	996	0	12.6	0.0	12.6	
19		NEW RANCHI-DHARAMJAIGARH	D/C	89	388	0.0	3.7	-3.7	
20	400 kV	JHARSUGUDA-RAIGARH	Q/C	76	217	0.0	1.6	-1.6	
21		RANCHI-SIPAT	D/C	132	29	1.4	0.0	1.4	
22	220 kV	BUDHIPADAR-RAIGARH	S/C	0	91	0.0	1.2	-1.2	
23		BUDHIPADAR-KORBA	D/C	132	0	2.1	0.0	2.1	
ER-WR						16.2	6.5	9.8	
Import/Export of ER (With SR)									
24	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	1774.0	0.0	33.6	-33.6	
25	HVDC	JEYPORE-GAZUWAKA B/B	D/C	0.0	414.0	0.0	9.8	-9.8	
26	LINK	TALCHER-KOLAR BIPOLE	D/C	0.0	1285.0	0.0	31.1	-31.1	
27	400 kV	TALCHER-I/C	D/C	0.0	241.0	14.0	0.0	14.0	
28	220 kV	BALIMELA-UPPER-SILERRU	S/C	1.0	0.0	0.0	0.0	0.0	
ER-SR						0.0	74.5	-74.5	
Import/Export of ER (With NER)									
29	400 kV	BINAGURI-BONGAIGAON	D/C	203	5	3.1	0.0	3	
30		ALIPURDUAR-BONGAIGAON	D/C	329	0	5.2	0.0	5	
31	220 kV	ALIPURDUAR-SALAKATI	D/C	40	11	0.5	0.0	0	
ER-NER						8.8	0.0	8.8	
Import/Export of NER (With NR)									
32	HVDC	BISWANATH CHARIALI-AGRA	-	468	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	1003	0.0	23.7	-23.7	
34		V'CHAL B/B	D/C	240	2	2.4	0.0	2.4	
35		APL -MHG	D/C	0	981	0.0	24.2	-24.2	
36		GWALIOR-AGRA	D/C	0	921	0.0	34.3	-34.3	
37	765 kV	PHAGI-GWALIOR	D/C	0	1140	0.0	19.9	-19.9	
38		JABALPUR-ORAI	D/C	76	310	0.0	7.7	-7.7	
39		GWALIOR-ORAI	S/C	519	0	9.2	0.0	9.2	
40		SATNA-ORAI	S/C	0	1638	0.0	37.6	-37.6	
41		400 kV	ZERDA-KANKROLI	S/C	230	63	2.3	0.0	2.3
42			ZERDA -BHINMAL	S/C	84	251	0.0	1.7	-1.7
43	V'CHAL -RIHAND		S/C	996	0	22.8	0.0	22.8	
44	RAPP-SHUJALPUR		D/C	376	0	2	0	2	
45	220 kV	BADOD-KOTA	S/C	36	11	0.9	0.0	0.9	
46		BADOD-MORAK	S/C	38	60	0.1	0.4	-0.3	
47		MEHGAON-AURAIYA	S/C	94	0	1.3	0.0	1.3	
48		MALANPUR-AURAIYA	S/C	52	3	0.5	0.0	0.5	
49	132kV	GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0	
WR-NR						42.0	149.5	-107.5	
Import/Export of WR (With SR)									
50	HVDC	BHADRAWATI B/B	-	0	995	0.0	18.6	-18.6	
51	LINK	BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0	
52	765 kV	SOLAPUR-RAICHUR	D/C	350	1843	0.0	22.4	-22.4	
53		WARDHA-NIZAMABAD	D/C	0	1972	0.0	32.7	-32.7	
54	400 kV	KOLHAPUR-KUDGI	D/C	949	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	0	0.0	0.0	0.0	
57		XELDEM-AMBEWADI	S/C	0	62	1.2	0.0	1.2	
WR-SR						13.3	73.7	-60.4	
TRANSNATIONAL EXCHANGE									
58		BHUTAN						2.5	
59		NEPAL						-4.1	
60		BANGLADESH						-14.8	