



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: 9th 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, लापालंग, 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 08.12.2018.

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 08-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 8th 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

9-Dec-18

A. Maximum Demand

	NR	WR	SR	ER	NER	Total
Demand Met during Evening Peak hrs(MW) (at 1900 hrs; from RLDCs)	44015	48782	40815	17285	2414	153311
Peak Shortage (MW)	531	0	0	250	51	832
Energy Met (MU)	931	1149	906	340	43	3368
Hydro Gen (MU)	121	24	77	29	7	258
Wind Gen (MU)	6	26	43	-----	-----	74
Solar Gen (MU)*	21.51	17.44	58.95	0.84	0.04	99
Energy Shortage (MU)	12.6	0.0	0.0	0.8	0.7	14.1
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	44615 18:01	54680 10:56	41258 18:28	19806 18:49	2463 17:46	156939 18:49

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	0.042	0.00	0.19	10.84	11.03	79.26	9.71

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	6082	0	136.2	36.0	0.1	94	0.0
	Haryana	6368	0	129.1	58.0	4.4	385	0.0
	Rajasthan	11966	0	228.9	67.1	0.4	419	0.0
	Delhi	3538	0	61.9	46.3	0.5	152	0.0
	UP	13036	0	258.6	101.5	0.0	285	1.8
	Uttarakhand	1927	0	36.9	25.7	0.1	105	0.0
	HP	1523	0	28.2	20.9	0.5	154	0.1
WR	J&K	2336	584	47.8	40.0	-0.1	252	10.7
	Chandigarh	191	0	3.2	2.9	0.3	44	0.0
	Chhattisgarh	3561	0	76.9	14.3	-2.2	105	0.0
	Gujarat	15260	0	328.5	109.8	2.3	400	0.0
	MP	13660	0	257.8	141.4	-1.8	367	0.0
	Maharashtra	21383	0	439.6	121.0	-0.3	533	0.0
	Goa	499	0	10.8	10.4	-0.1	25	0.0
	DD	314	0	7.1	6.3	0.7	67	0.0
	DNH	735	0	17.1	16.1	1.0	80	0.0
	Essar steel	545	0	11.1	10.9	0.2	283	0.0
SR	Andhra Pradesh	7804	0	173.6	58.8	1.8	455	0.0
	Telangana	7816	0	160.8	56.6	1.9	459	0.0
	Karnataka	10485	0	205.2	68.7	0.0	347	0.0
	Kerala	3609	0	71.7	58.7	1.2	305	0.0
	Tamil Nadu	13300	0	287.5	128.3	2.0	473	0.0
	Pondy	327	0	6.8	7.0	-0.2	20	0.0
ER	Bihar	4496	0	72.3	67.5	1.6	460	0.0
	DVC	3265	0	63.4	-19.1	1.3	396	0.0
	Jharkhand	1001	70	21.5	15.8	0.6	169	0.8
	Odisha	3990	0	70.0	26.8	2.7	267	0.0
	West Bengal	6858	0	111.0	23.7	0.1	309	0.0
NER	Sikkim	100	0	1.5	1.7	-0.2	18	0.0
	Arunachal Pradesh	118	2	2.2	1.9	0.3	36	0.0
	Assam	1380	39	23.4	18.3	0.9	102	0.5
	Manipur	181	2	2.8	2.7	0.0	29	0.0
	Meghalaya	371	0	6.5	5.3	0.0	22	0.2
	Mizoram	96	2	1.7	1.3	0.2	3	0.0
	Nagaland	128	3	2.4	1.9	0.3	22	0.0
	Tripura	214	1	3.7	1.2	0.5	54	0.0

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	2.7	-3.2	-12.6
Day peak (MW)	238.9	-178.0	-811.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	159.0	-164.4	83.9	-79.9	1.6	0.2
Actual(MU)	154.3	-170.8	87.1	-73.7	1.9	-1.2
O/D/U/D(MU)	-4.8	-6.4	3.2	6.3	0.3	-1.4

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	4317	17240	8642	1370	80	31649
State Sector	10645	12048	7790	6225	50	36758
Total	14962	29288	16432	7595	129	68406

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Coal	533	1186	500	416	9	2644
Lignite	19	16	50	0	0	86
Hydro	121	24	77	29	7	258
Nuclear	29	19	36	0	0	85
Gas, Naptha & Diesel	25	40	23	0	28	117
RES (Wind, Solar, Biomass & Others)	63	45	139	1	0	247
Total	791	1331	825	445	44	3436
Share of RES in total generation (%)	7.94	3.39	16.80	0.20	0.09	7.20
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	26.94	6.64	30.49	6.65	16.25	17.16

H. Diversity Factor

All India Demand Diversity Factor	1.037
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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 : 9-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	626	0.0	9.0	-9.0
2		SASARAM-FATEHPUR	S/C	0	380	0.0	5.8	-5.8
3		GAYA-BALIA	S/C	0	219	0.0	3.7	-3.7
4	HVDC	ALIPURDUAR-AGRA	-	0	0	0.0	0.0	0.0
5		PUSAULI B/B	S/C	3	0	0.0	0.0	0.0
6	400 kV	PUSAULI-VARANASI	S/C	30	64	0.0	0.0	0.0
7		PUSAULI -ALLAHABAD	S/C	36	106	0.0	0.7	-0.7
8		MUZAFFARPUR-GORAKHPUR	D/C	0	587	0.0	8.3	-8.3
9		PATNA-BALIA	Q/C	0	854	0.0	17.9	-17.9
10		BIHARSHARIFF-BALIA	D/C	2028	234	0.0	3.2	-3.2
11		MOTIHARI-GORAKHPUR	D/C	0	361	0.0	7.6	-7.6
12		BIHARSHARIFF-VARANASI	D/C	0	250	0.0	3.2	-3.2
13	220 kV	PUSAULI-SAHUPURI	S/C	2	134	0.0	0.6	-0.6
14	132 kV	SONE NAGAR-RIHAND	S/C	0	0	0.0	0.0	0.0
15		GARWAH-RIHAND	S/C	25	0	0.4	0.0	0.4
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						0.4	59.9	-59.5
Import/Export of ER (With WR)								
18	765 kV	JHARSUGUDA-DHARAMJAIGARH S/C	D/C	1042	0	14.6	0.0	14.6
19		NEW RANCHI-DHARAMJAIGARH	D/C	156	486	0.0	3.7	-3.7
20	400 kV	JHARSUGUDA-RAIGARH	Q/C	148	210	0.0	0.7	-0.7
21		RANCHI-SIPAT	D/C	152	53	2.0	0.0	2.0
22	220 kV	BUDHIPADAR-RAIGARH	S/C	0	88	0.0	1.1	-1.1
23		BUDHIPADAR-KORBA	D/C	175	0	2.5	0.0	2.5
ER-WR						19.1	5.5	13.6
Import/Export of ER (With SR)								
24	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	1630.0	0.0	30.5	-30.5
25	HVDC	JEYPORE-GAZUWAKA B/B	D/C	0.0	422.0	0.0	9.8	-9.8
26	LINK	TALCHER-KOLAR BIPOLE	D/C	0.0	1978.0	0.0	41.6	-41.6
27	400 kV	TALCHER-I/C	D/C	0.0	635.0	2.9	0.0	2.9
28	220 kV	BALIMELA-UPPER-SILERRU	S/C	1.0	0.0	0.0	0.0	0.0
ER-SR						0.0	82.0	-82.0
Import/Export of ER (With NER)								
29	400 kV	BINAGURI-BONGAIGAON	D/C	232	0	3.6	0.0	4
30		ALIPURDUAR-BONGAIGAON	D/C	334	0	5.9	0.0	6
31	220 kV	ALIPURDUAR-SALAKATI	D/C	30	31	0.1	0.1	0
ER-NER						9.6	0.1	9.6
Import/Export of NER (With NR)								
32	HVDC	BISWANATH CHARIALI-AGRA	-	467	0	11.5	0.0	11.5
NER-NR						11.5	0.0	11.5
Import/Export of WR (With NR)								
33	HVDC	CHAMPA-KURUKSHETRA	D/C	0	2006	0.0	32.7	-32.7
34		V'CHAL B/B	D/C	241	53	3.7	0.5	3.2
35	765 kV	APL -MHG	D/C	0	982	0.0	24.2	-24.2
36		GWALIOR-AGRA	D/C	0	896	0.0	33.4	-33.4
37		PHAGI-GWALIOR	D/C	0	1066	0.0	17.9	-17.9
38		JABALPUR-ORAI	D/C	154	532	0.0	8.3	-8.3
39		GWALIOR-ORAI	S/C	540	114	6.6	0.0	6.6
40		SATNA-ORAI	S/C	0	1656	0.0	29.8	-29.8
41		400 kV	ZERDA-KANKROLI	S/C	238	55	2.5	0.0
42	ZERDA -BHINMAL		S/C	92	244	0.0	1.3	-1.3
43	V'CHAL -RIHAND		S/C	994	0	22.5	0.0	22.5
44	RAPP-SHUJALPUR		D/C	446	0	3	0	3
45	220 kV	BADOD-KOTA	S/C	45	1	1.0	0.0	0.9
46		BADOD-MORAK	S/C	24	61	0.1	0.4	-0.3
47		MEHGAON-AURAIYA	S/C	102	0	1.2	0.0	1.2
48	132kV	MALANPUR-AURAIYA	S/C	59	8	0.5	0.0	0.5
49		GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0
WR-NR						40.6	148.5	-107.9
Import/Export of WR (With SR)								
50	HVDC	BHADRAWATI B/B	-	0	999	0.0	20.9	-20.9
51	LINK	BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0
52	765 kV	SOLAPUR-RAICHUR	D/C	531	1740	0.0	19.2	-19.2
53		WARDHA-NIZAMABAD	D/C	0	1926	0.0	25.9	-25.9
54	400 kV	KOLHAPUR-KUDGI	D/C	1050	0	15.5	0.0	15.5
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	70	1.3	0.0	1.3
WR-SR						16.9	66.0	-49.1
TRANSNATIONAL EXCHANGE								
58		BHUTAN						2.7
59		NEPAL						-3.2
60		BANGLADESH						-12.6