



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: 5th Dec 2018

To,

- कार्यकारी निदेशक, पू.क्षे.भा.प्रे.के., 14, गोल्फ क्लब रोड, कोलकाता - 700033
Executive Director, ERLDC, 14 Golf Club Road, Tolleygunge, Kolkata, 700033
- 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
- 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
- कार्यकारी निदेशक, ऊ.पू.क्षे.भा.प्रे.के., डोंगतिह, लोअर नोंग्रह, लापलंग, शिलोंग - 793006
Executive Director, NERLDC, Dongteih, Lower Nongrah, Lapalang, Shillong - 793006, Meghalaya
- 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 04.12.2018.

महोदय/Dear Sir,

आईईजीसी-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 04-दिसम्बर-2018 की अखिल भारतीय प्रणाली की दैनिक ग्रिड निष्पादन रिपोर्ट रांभांप्रेके 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 4th 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

5-Dec-18

A. Maximum Demand

	NR	WR	SR	ER	NER	Total
Demand Met during Evening Peak hrs(MW) (at 1900 hrs; from RLDCs)	42921	48234	41278	17688	2446	152567
Peak Shortage (MW)	526	0	0	92	15	633
Energy Met (MU)	921	1145	892	340	43	3341
Hydro Gen (MU)	118	26	72	29	7	252
Wind Gen (MU)	7	37	52	-----	-----	96
Solar Gen (MU)*	20.52	15.11	45.02	0.73	0.05	81
Energy Shortage (MU)	12.0	0.0	0.0	0.3	0.5	12.8
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	43963 18:29	55043 10:21	46151 15:56	18518 18:21	2486 17:24	156477 17:55

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	0.046	0.00	0.94	13.06	13.99	80.39	5.61

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	5490	0	127.7	36.0	0.3	204	0.0	
	Haryana	6456	0	128.2	66.9	4.3	300	0.0	
	Rajasthan	11913	0	230.6	70.5	-1.1	236	0.0	
	Delhi	3438	0	62.8	46.4	-0.3	153	0.0	
	UP	12519	0	257.3	102.2	-0.1	248	0.7	
	Uttarakhand	1903	0	36.0	24.6	0.3	89	0.0	
	HP	1548	0	27.4	20.0	-0.1	125	0.0	
	J&K	2357	589	48.2	41.0	0.8	275	11.3	
	Chandigarh	194	0	3.2	3.3	0.0	33	0.0	
	WR	Chhattisgarh	3576	0	76.6	10.2	0.2	710	0.0
Gujarat		15179	0	327.4	106.1	1.7	695	0.0	
MP		13705	0	257.8	144.0	-1.4	503	0.0	
Maharashtra		21533	0	439.9	116.5	1.2	747	0.0	
Goa		484	0	9.6	9.4	-0.2	35	0.0	
DD		315	0	7.0	6.3	0.7	49	0.0	
DNH		803	0	16.8	15.8	0.9	98	0.0	
Essar steel		478	0	10.0	10.1	-0.1	270	0.0	
SR		Andhra Pradesh	7801	0	166.0	59.5	1.4	628	0.0
		Telangana	8044	0	169.0	70.2	2.1	524	0.0
	Karnataka	10883	0	207.2	70.6	0.2	766	0.0	
	Kerala	3715	0	72.0	61.0	0.5	170	0.0	
	Tamil Nadu	14220	0	271.1	128.4	0.7	723	0.0	
	Pondy	329	0	6.6	6.8	-0.3	21	0.0	
	ER	Bihar	4138	0	68.2	67.2	-1.9	460	0.0
DVC		2789	0	62.6	-19.4	2.7	396	0.0	
Jharkhand		1142	92	23.7	14.3	-1.4	169	0.3	
Odisha		3627	0	71.2	27.4	2.2	267	0.0	
West Bengal		6500	0	112.8	17.4	1.1	309	0.0	
Sikkim		100	0	1.5	1.6	-0.1	18	0.0	
NER	Arunachal Pradesh	115	2	2.1	1.8	0.3	44	0.0	
	Assam	1407	7	24.2	18.9	1.4	134	0.1	
	Manipur	177	3	2.7	2.8	-0.1	22	0.0	
	Meghalaya	335	0	6.3	5.3	-0.1	29	0.3	
	Mizoram	89	1	1.6	1.1	0.1	27	0.0	
	Nagaland	127	3	2.2	1.6	0.4	35	0.0	
	Tripura	215	0	3.6	1.1	0.4	44	0.0	

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	3.1	-3.5	-15.5
Day peak (MW)	212.0	-164.0	-814.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	162.4	-178.5	86.4	-75.5	5.5	0.3
Actual(MU)	147.9	-177.2	88.7	-68.1	6.0	-2.7
O/D/U/D(MU)	-14.5	1.4	2.3	7.4	0.5	-3.0

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	4428	16090	7382	1495	356	29751
State Sector	11245	13401	7880	5305	50	37881
Total	15673	29491	15262	6800	406	67632

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Coal	530	1190	493	420	4	2637
Lignite	18	16	52.03	0	0	86
Hydro	118	26	72	29	7	252
Nuclear	25	19	36	0	0	80
Gas, Naptha & Diesel	26	37	23	0	29	114
RES (Wind, Solar, Biomass & Others)	63	54	136	1	0	254
Total	781	1341	760	450	40	3372

Share of RES in total generation (%)	8.12	4.03	17.91	0.17	0.12	7.54
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	26.39	7.36	32.13	6.69	17.95	17.39

H. Diversity Factor

All India Demand Diversity Factor	1.062
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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 : 5-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	584	0.0	6.2	-6.2	
2		SASARAM-FATEHPUR	S/C	0	407	3.0	0.0	3.0	
3		GAYA-BALIA	S/C	0	646	0.0	3.7	-3.7	
4		ALIPURDUAR-AGRA	-	0	400	0.0	5.2	-5.2	
5	HVDC	PUSAULI B/B	S/C	3	50	0.0	0.0	0.0	
6	400 kV	PUSAULI-VARANASI	S/C	61	126	0.7	0.0	0.7	
7		PUSAULI -ALLAHABAD	S/C	83	121	0.8	0.0	0.8	
8		MUZAFFARPUR-GORAKHPUR	D/C	256	85	1.5	0.0	1.5	
9		PATNA-BALIA	Q/C	0	2014	0.0	14.3	-14.3	
10		BIHARSHARIFF-BALIA	D/C	2	513	0.0	1.6	-1.6	
11		MOTIHARI-GORAKHPUR	D/C	0	364	0.0	7.2	-7.2	
12		BIHARSHARIFF-VARANASI	D/C	86	750	0.0	0.1	-0.1	
13	220 kV	PUSAULI-SAHUPURI	S/C	23	165	0.0	2.9	-2.9	
14	132 kV	SONE NAGAR-RIHAND	S/C	0	0	0.0	0.0	0.0	
15		GARWAH-RIHAND	S/C	25	1	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	10	0.0	0.0	0.0	
ER-NR						6.5	41.1	-34.5	
Import/Export of ER (With WR)									
18	765 kV	JHARSUGUDA-DHARAMJAIGARH S/C	D/C	1278	205	14.2	0.0	14.2	
19		NEW RANCHI-DHARAMJAIGARH	D/C	274	240	0.1	0.0	0.1	
20	400 kV	JHARSUGUDA-RAIGARH	Q/C	120	630	0.7	0.0	0.7	
21		RANCHI-SIPAT	D/C	178	44	3.0	0.0	3.0	
22	220 kV	BUDHIPADAR-RAIGARH	S/C	0	95	0.0	0.7	-0.7	
23		BUDHIPADAR-KORBA	D/C	161	0	2.6	0.0	2.6	
ER-WR						20.5	0.7	19.9	
Import/Export of ER (With SR)									
24	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	1704.0	0.0	29.3	-29.3	
25	HVDC	JEYPORE-GAZUWAKA B/B	D/C	0.0	510.0	0.0	9.8	-9.8	
26	LINK	TALCHER-KOLAR BIPOLE	D/C	0.0	1974.0	0.0	38.9	-38.9	
27	400 kV	TALCHER-I/C	D/C	0.0	585.0	6.0	0.0	6.0	
28	220 kV	BALIMELA-UPPER-SILERRU	S/C	1.0	0.0	0.0	0.0	0.0	
ER-SR						0.0	78.0	-78.0	
Import/Export of ER (With NER)									
29	400 kV	BINAGURI-BONGAIGAON	D/C	0	542	0.0	10.0	-10	
30		ALIPURDUAR-BONGAIGAON	D/C	0	399	0.0	7.0	-7	
31	220 kV	ALIPURDUAR-SALAKATI	D/C	0	158	0.0	2.7	-3	
ER-NER						0.0	19.7	-19.7	
Import/Export of NER (With NR)									
32	HVDC	BISWANATH CHARIALI-AGRA	-	0	704	0.0	12.9	-12.9	
NER-NR						0.0	12.9	-12.9	
Import/Export of WR (With NR)									
33	HVDC	CHAMPA-KURUKSHETRA	D/C	0	1004	0.0	23.9	-23.9	
34		V'CHAL B/B	D/C	240	0	6.0	0.0	6.0	
35		APL -MHG	D/C	0	981	0.0	23.3	-23.3	
36		GWALIOR-AGRA	D/C	0	902	0.0	31.7	-31.7	
37	765 kV	PHAGI-GWALIOR	D/C	0	1223	0.0	21.4	-21.4	
38		JABALPUR-ORAI	D/C	102	345	0.0	9.4	-9.4	
39		GWALIOR-ORAI	S/C	515	0	8.4	0.0	8.4	
40		SATNA-ORAI	S/C	0	1669	0.0	36.9	-36.9	
41		400 kV	ZERDA-KANKROLI	S/C	206	95	2.4	0.0	2.4
42			ZERDA -BHINMAL	S/C	84	267	1.2	0.0	1.2
43	V'CHAL -RIHAND		S/C	990	0	22.9	0.0	22.9	
44	RAPP-SHUJALPUR		D/C	328	0	1	0	1	
45	220 kV	BADOD-KOTA	S/C	51	1	1.3	0.0	1.3	
46		BADOD-MORAK	S/C	64	41	0.2	0.2	0.0	
47		MEHGAON-AURAIYA	S/C	102	0	1.2	0.0	1.2	
48		MALANPUR-AURAIYA	S/C	59	11	0.5	0.0	0.5	
49	132kV	GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0	
WR-NR						45.6	146.7	-101.1	
Import/Export of WR (With SR)									
50	HVDC	BHADRAWATI B/B	-	0	995	0.0	23.8	-23.8	
51	LINK	BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0	
52	765 kV	SOLAPUR-RAICHUR	D/C	216	1755	0.0	21.4	-21.4	
53		WARDHA-NIZAMABAD	D/C	0	1972	0.0	28.5	-28.5	
54	400 kV	KOLHAPUR-KUDGI	D/C	1173	0	17.2	0.0	17.2	
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	65	1.2	0.0	1.2	
WR-SR						18.4	73.7	-55.2	
TRANSNATIONAL EXCHANGE									
58		BHUTAN						3.1	
59		NEPAL						-3.5	
60		BANGLADESH						-15.5	