



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: 13th Nov 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 12.11.2018.

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 12-नवंबर-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 12th November 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

13-Nov-18

A. Maximum Demand

	NR	WR	SR	ER	NER	Total
Demand Met during Evening Peak hrs(MW) (at 1900 hrs: from RLDCs)	41991	46793	42389	19270	2352	152795
Peak Shortage (MW)	508	0	33	0	41	582
Energy Met (MU)	880	1117	959	373	41	3369
Hydro Gen (MU)	145	21	90	41	9	306
Wind Gen (MU)	6	13	19	-----	-----	39
Solar Gen (MU)*	20.79	20.24	71.35	0.76	0.04	113
Energy Shortage (MU)	10.7	0.0	0.0	0.0	0.6	11.3
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	43270 18:42	53049 11:15	43058 17:56	19394 18:26	2474 18:55	155709 18:32

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	0.053	0.00	1.12	11.30	12.42	74.81	12.77

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	5006	0	111.1	24.0	-1.6	90	0.0	
	Haryana	5978	0	110.7	69.1	1.2	185	0.2	
	Rajasthan	11179	0	222.9	61.3	2.6	495	0.0	
	Delhi	3203	0	61.3	44.4	-0.2	154	0.0	
	UP	13293	0	267.0	109.0	-0.5	265	0.0	
	Uttarakhand	1745	0	33.4	23.5	-0.4	191	0.0	
	HP	1524	0	26.9	16.1	1.3	163	0.0	
	J&K	2370	592	44.1	37.4	-0.9	237	10.4	
	Chandigarh	172	0	3.1	3.0	0.1	32	0.0	
	WR	Chhattisgarh	3603	0	76.2	10.9	-0.9	373	0.0
Gujarat		13371	0	290.0	122.8	3.8	356	0.0	
MP		12868	0	261.4	166.8	-0.6	669	0.0	
Maharashtra		22189	0	447.4	151.6	-1.2	719	0.0	
Goa		444	0	10.5	10.0	0.1	41	0.0	
DD		306	0	6.5	6.1	0.4	96	0.0	
DNH		633	0	14.2	14.1	0.1	59	0.0	
Essar steel		559	0	11.1	11.4	-0.3	298	0.0	
SR		Andhra Pradesh	8686	0	189.7	67.3	1.4	628	0.0
		Telangana	8538	0	181.1	75.2	2.7	573	0.0
	Karnataka	11233	0	219.1	72.4	1.7	635	0.0	
	Kerala	3653	0	70.9	48.5	1.4	218	0.0	
	Tamil Nadu	13754	0	291.1	150.3	3.1	710	0.0	
	Pondy	332	0	6.7	7.1	-0.4	36	0.0	
	ER	Bihar	4228	0	74.0	73.6	-1.9	460	0.0
		DVC	2934	0	61.7	-10.4	0.9	396	0.0
		Jharkhand	1132	0	24.5	15.3	-1.8	169	0.0
		Odisha	4689	0	88.9	38.6	0.6	267	0.0
West Bengal		6609	0	122.1	17.2	1.1	309	0.0	
Sikkim		96	0	1.3	1.6	-0.3	18	0.0	
NER	Arumachal Pradesh	121	2	2.2	1.7	0.5	47	0.0	
	Assam	1444	34	23.6	16.9	2.2	176	0.6	
	Manipur	187	3	2.6	2.4	0.1	44	0.0	
	Meghalaya	303	0	5.2	3.1	-0.2	18	0.0	
	Mizoram	85	1	1.5	1.0	0.1	32	0.0	
	Nagaland	119	2	2.1	1.6	0.2	40	0.0	
	Tripura	223	1	3.5	1.6	0.0	22	0.0	

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	7.4	-2.3	-15.1
Day peak (MW)	321.0	-142.0	-685.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	121.9	-154.3	105.5	-72.1	-1.2	-0.2
Actual(MU)	111.9	-164.9	116.4	-68.5	0.1	-5.1
O/D/U/D(MU)	-10.1	-10.6	10.9	3.7	1.3	-4.9

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	4252	12877	6822	1395	46	25392
State Sector	11000	15999	8270	6005	50	41324
Total	15252	28876	15092	7400	96	66715

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Thermal (Coal & Lignite)	547	1168	571	420	6	2712
Hydro	145	21	90	41	9	306
Nuclear	24	31	40	0	0	96
Gas, Naptha & Diesel	24	46	25	0	29	124
RES (Wind, Solar, Biomass & Others)	44	35	125	1	0	204
Total	783	1300	852	462	44	3442

Share of RES in total generation (%)	5.57	2.67	14.67	0.17	0.09	5.93
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	27.15	6.67	30.00	9.05	19.49	17.59

H. Diversity Factor

All India Demand Diversity Factor	1.036
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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 : 13-Nov-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	226	288	0.0	0.9	-0.9
2		SASARAM-FATEHPUR	S/C	254	48	2.5	0.0	2.5
3		GAYA-BALIA	S/C	2	181	0.0	2.3	-2.3
4	HVDC	ALIPURDUAR-AGRA	-	0	200	0.0	4.9	-4.9
5		PUSAULI B/B	S/C	0	400	0.0	9.5	-9.5
6	400 kV	PUSAULI-VARANASI	S/C	0	298	0.0	6.1	-6.1
7		PUSAULI -ALLAHABAD	S/C	0	181	0.0	3.1	-3.1
8		MUZAFFARPUR-GORAKHPUR	D/C	202	289	0.0	1.1	-1.1
9		PATNA-BALIA	Q/C	0	776	0.0	14.4	-14.4
10		BIHARSHARIFF-BALIA	D/C	46	80	0.0	1.5	-1.5
11		MOTIHARI-GORAKHPUR	D/C	0	327	0.0	6.7	-6.7
12		BIHARSHARIFF-VARANASI	D/C	262	36	2.5	0.0	2.5
13	220 kV	PUSAULI-SAHUPURI	S/C	0	132	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	0.7	0.0	0.7
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						5.6	52.8	-47.2
Import/Export of ER (With WR)								
18	765 kV	JHARSUGUDA-DHARAMJAIGARH S/C	D/C	839	0	26.1	0.0	26.1
19		NEW RANCHI-DHARAMJAIGARH	D/C	409	401	0.8	0.0	0.8
20	400 kV	JHARSUGUDA-RAIGARH	Q/C	333	20	4.5	0.0	4.5
21		RANCHI-SIPAT	D/C	251	21	3.3	0.0	3.3
22	220 kV	BUDHIPADAR-RAIGARH	S/C	7	72	0.0	0.9	-0.9
23		BUDHIPADAR-KORBA	D/C	135	0	2.6	0.0	2.6
ER-WR						37.3	0.9	36.4
Import/Export of ER (With SR)								
24	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	1529.0	0.0	27.0	-27.0
25	HVDC	JEYPORE-GAZUWAKA B/B	D/C	0.0	665.0	0.0	15.8	-15.8
26	LINK	TALCHER-KOLAR BIPOLE	D/C	0.0	1980.0	0.0	48.0	-48.0
27	400 kV	TALCHER-I/C	D/C	0.0	929.0	0.0	10.0	-10.0
28	220 kV	BALIMELA-UPPER-SILERRU	S/C	1.0	0.0	0.0	0.0	0.0
ER-SR						0.0	90.7	-90.7
Import/Export of ER (With NER)								
29	400 kV	BINAGURI-BONGAIGAON	D/C	0	468	0.0	8.6	-9
30		ALIPURDUAR-BONGAIGAON	D/C	0	352	0.0	4.2	-4
31	220 kV	ALIPURDUAR-SALAKATI	D/C	0	96	0.0	1.4	-1
ER-NER						0.0	14.1	-14.1
Import/Export of NER (With NR)								
32	HVDC	BISWANATH CHARIALI-AGRA	-	0	603	0.0	13.8	-13.8
NER-NR						0.0	13.8	-13.8
Import/Export of WR (With NR)								
33	HVDC	CHAMPA-KURUKSHETRA	D/C	0	903	0.0	21.5	-21.5
34		V'CHAL B/B	D/C	243	0	6.0	0.0	6.0
35	765 kV	APL -MHG	D/C	0	886	0.0	21.8	-21.8
36		GWALIOR-AGRA	D/C	0	690	0.0	23.2	-23.2
37		PHAGI-GWALIOR	D/C	0	1086	0.0	19.9	-19.9
38		JABALPUR-ORAI	D/C	269	149	0.6	0.2	0.3
39		GWALIOR-ORAI	S/C	485	0	9.7	0.0	9.7
40		SATNA-ORAI	S/C	0	1599	0.0	36.6	-36.6
41		ZERDA-KANKROLI	S/C	314	0	6.2	0.0	6.2
42	400 kV	ZERDA -BHINMAL	S/C	236	53	2.8	0.0	2.8
43		V'CHAL -RIHAND	S/C	983	0	22.6	0.0	22.6
44		RAPP-SHUJALPUR	D/C	301	0	2	0	2
45	220 kV	BADOD-KOTA	S/C	66	0	2.8	0.0	2.8
46		BADOD-MORAK	S/C	65	31	0.7	0.1	0.6
47		MEHGAON-AURAIYA	S/C	121	0	1.9	0.0	1.9
48		MALANPUR-AURAIYA	S/C	80	0	1.1	0.0	1.1
49	132kV	GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0
WR-NR						56.4	123.3	-66.9
Import/Export of WR (With SR)								
50	HVDC	BHADRAWATI B/B	-	0	999	0.0	22.0	-22.0
51	LINK	BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0
52	765 kV	SOLAPUR-RAICHUR	D/C	304	1708	0.0	22.8	-22.8
53		WARDHA-NIZAMABAD	D/C	0	2015	0.0	30.0	-30.0
54	400 kV	KOLHAPUR-KUDGI	D/C	795	0	9.0	0.0	9.0
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						10.2	74.7	-64.5
TRANSNATIONAL EXCHANGE								
58		BHUTAN						7.4
59		NEPAL						-2.3
60		BANGLADESH						-15.1