



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: 11th 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 10.11.2018.

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 10-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 10th 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

11-Nov-18

A. Maximum Demand

	NR	WR	SR	ER	NER	Total
Demand Met during Evening Peak hrs(MW) (at 1900 hrs: from RLDCs)	40052	43509	42086	18940	2400	146987
Peak Shortage (MW)	478	0	200	260	21	959
Energy Met (MU)	849	1046	957	362	41	3256
Hydro Gen (MU)	150	11	89	45	8	303
Wind Gen (MU)	3	13	25	-----	-----	41
Solar Gen (MU)*	21.75	19.65	71.11	0.75	0.05	113
Energy Shortage (MU)	9.8	0.0	0.4	0.8	0.8	11.8
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	41307 18:41	49324 11:06	42240 18:34	19214 17:41	2443 17:49	150059 18:38

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	0.043	0.00	0.02	11.26	11.28	81.91	6.81

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	5050	0	111.4	25.8	0.1	127	0.0	
	Haryana	5526	0	103.7	67.8	0.4	201	0.0	
	Rajasthan	10888	0	215.8	54.8	0.9	267	0.0	
	Delhi	3012	0	57.3	45.9	0.2	228	0.0	
	UP	12991	0	260.7	109.2	0.9	373	0.0	
	Uttarakhand	1569	0	29.8	19.7	-0.3	103	0.0	
	HP	1378	0	25.3	14.7	0.6	177	0.0	
	J&K	2150	538	41.8	35.9	-2.3	84	9.8	
	Chandigarh	159	0	2.9	2.8	0.1	22	0.0	
	WR	Chhattisgarh	3602	0	75.5	16.2	-2.5	251	0.0
Gujarat		11625	0	257.6	108.8	5.8	598	0.0	
MP		12541	0	252.9	165.6	-3.0	418	0.0	
Maharashtra		20340	0	419.7	134.6	-6.6	549	0.0	
Goa		444	0	9.4	10.0	-1.1	44	0.0	
DD		264	0	5.4	4.8	0.6	71	0.0	
DNH		588	0	13.2	13.0	0.2	80	0.0	
Essar steel		588	0	12.7	12.9	-0.2	270	0.0	
SR		Andhra Pradesh	8712	0	190.6	68.5	2.1	640	0.0
		Telangana	8718	0	190.6	95.5	1.6	470	0.0
	Karnataka	10725	0	215.5	67.3	1.0	582	0.0	
	Kerala	3511	0	70.3	48.1	1.2	287	0.4	
	Tamil Nadu	13292	0	283.3	144.4	1.4	524	0.0	
	Pondy	339	0	7.0	7.2	-0.2	28	0.0	
ER	Bihar	4269	0	72.9	71.4	-0.8	460	0.0	
	DVC	2880	0	61.7	-12.7	0.5	396	0.8	
	Jharkhand	1164	0	24.2	15.6	-0.4	169	0.0	
	Odisha	4755	0	96.5	42.4	2.7	267	0.0	
	West Bengal	6409	0	105.8	20.6	1.1	309	0.0	
	Sikkim	87	0	1.1	1.3	-0.2	18	0.0	
NER	Arumachal Pradesh	112	2	2.1	2.0	0.0	20	0.0	
	Assam	1445	24	24.2	18.6	1.5	129	0.7	
	Manipur	176	2	2.5	2.4	0.1	34	0.0	
	Meghalaya	286	0	5.1	3.2	-0.1	24	0.0	
	Mizoram	86	3	1.8	1.1	0.2	11	0.0	
	Nagaland	124	3	2.2	1.7	0.2	25	0.0	
Tripura	223	1	3.7	1.9	0.2	41	0.0		

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	7.8	-1.4	-14.1
Day peak (MW)	319.8	-116.0	-691.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	108.3	-183.6	131.2	-53.8	-1.9	0.2
Actual(MU)	96.9	-188.0	140.0	-49.0	-1.6	-1.7
O/D/U/D(MU)	-11.3	-4.4	8.8	4.8	0.2	-1.9

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	4855	12383	7482	1625	81	26426
State Sector	11250	17372	9110	7115	50	44897
Total	16105	29755	16592	8740	131	71322

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Thermal (Coal & Lignite)	537	1145	540	390	9	2621
Hydro	150	11	89	45	8	303
Nuclear	25	31	41	0	0	96
Gas, Naptha & Diesel	14	39	25	0	29	108
RES (Wind, Solar, Biomass & Others)	41	34	133	1	0	209
Total	767	1260	827	435	47	3337

Share of RES in total generation (%)	5.40	2.67	16.12	0.18	0.11	6.27
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	28.19	5.99	31.75	10.43	17.64	18.22

H. Diversity Factor

All India Demand Diversity Factor	1.030
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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 : 11-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	275	191	0.6	0.0	0.6
2		SASARAM-FATEHPUR	S/C	250	19	3.2	0.0	3.2
3		GAYA-BALIA	S/C	59	115	0.0	1.0	-1.0
4	HVDC	ALIPURDUAR-AGRA	-	0	200	0.0	5.1	-5.1
5		PUSAULI B/B	S/C	0	399	0.0	9.5	-9.5
6	400 kV	PUSAULI-VARANASI	S/C	0	293	0.0	6.4	-6.4
7		PUSAULI -ALLAHABAD	S/C	0	173	0.0	3.1	-3.1
8		MUZAFFARPUR-GORAKHPUR	D/C	138	250	0.0	1.4	-1.4
9		PATNA-BALIA	Q/C	0	649	0.0	12.0	-12.0
10		BIHARSHARIFF-BALIA	D/C	63	29	0.0	0.2	-0.2
11		MOTIHARI-GORAKHPUR	D/C	0	330	0.0	6.2	-6.2
12		BIHARSHARIFF-VARANASI	D/C	254	10	2.6	0.0	2.6
13	220 kV	PUSAULI-SAHUPURI	S/C	0	125	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	0.7	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						7.0	47.3	-40.2
Import/Export of ER (With WR)								
18	765 kV	JHARSUGUDA-DHARAMJAIGARH S/C	D/C	930	0	36.1	0.0	36.1
19		NEW RANCHI-DHARAMJAIGARH	D/C	329	171	2.7	0.0	2.7
20	400 kV	JHARSUGUDA-RAIGARH	Q/C	401	0	5.5	0.0	5.5
21		RANCHI-SIPAT	D/C	242	0	3.8	0.0	3.8
22	220 kV	BUDHIPADAR-RAIGARH	S/C	21	84	0.0	0.8	-0.8
23		BUDHIPADAR-KORBA	D/C	208	0	3.5	0.0	3.5
ER-WR						51.5	0.8	50.7
Import/Export of ER (With SR)								
24	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	1588.0	0.0	31.4	-31.4
25	HVDC	JEYPORE-GAZUWAKA B/B	D/C	0.0	679.0	0.0	15.9	-15.9
26	LINK	TALCHER-KOLAR BIPOLE	D/C	0.0	2462.0	0.0	48.9	-48.9
27	400 kV	TALCHER-I/C	D/C	0.0	980.0	0.0	10.6	-10.6
28	220 kV	BALIMELA-UPPER-SILERRU	S/C	1.0	0.0	0.0	0.0	0.0
ER-SR						0.0	96.2	-96.2
Import/Export of ER (With NER)								
29	400 kV	BINAGURI-BONGAIGAON	D/C	0	337	0.0	5.8	-6
30		ALIPURDUAR-BONGAIGAON	D/C	0	230	0.0	3.2	-3
31	220 kV	ALIPURDUAR-SALAKATI	D/C	0	73	0.0	1.3	-1
ER-NER						0.0	10.2	-10.2
Import/Export of NER (With NR)								
32	HVDC	BISWANATH CHARIALI-AGRA	-	0	507	0.0	12.1	-12.1
NER-NR						0.0	12.1	-12.1
Import/Export of WR (With NR)								
33	HVDC	CHAMPA-KURUKSHETRA	D/C	0	903	0.0	21.4	-21.4
34		V'CHAL B/B	D/C	242	0	6.1	0.0	6.1
35	765 kV	APL -MHG	D/C	0	888	0.0	21.8	-21.8
36		GWALIOR-AGRA	D/C	0	662	0.0	21.2	-21.2
37		PHAGI-GWALIOR	D/C	0	1096	0.0	17.9	-17.9
38		JABALPUR-ORAI	D/C	296	73	0.0	2.8	-2.8
39		GWALIOR-ORAI	S/C	472	0	8.9	0.0	8.9
40		SATNA-ORAI	S/C	0	1596	0.0	35.2	-35.2
41		ZERDA-KANKROLI	S/C	366	0	5.9	0.0	5.9
42	400 kV	ZERDA -BHINMAL	S/C	198	64	2.4	0.0	2.4
43		V'CHAL -RIHAND	S/C	990	0	22.3	0.0	22.3
44		RAPP-SHUJALPUR	D/C	442	0	3	0	3
45	220 kV	BADOD-KOTA	S/C	72	0	2.9	0.0	2.9
46		BADOD-MORAK	S/C	79	12	0.8	0.0	0.8
47		MEHGAON-AURAIYA	S/C	112	0	1.7	0.0	1.7
48		MALANPUR-AURAIYA	S/C	74	0	0.9	0.0	0.9
49	132kV	GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0
WR-NR						54.8	120.5	-65.6
Import/Export of WR (With SR)								
50	HVDC	BHADRAWATI B/B	-	0	995	0.0	23.9	-23.9
51	LINK	BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0
52	765 kV	SOLAPUR-RAICHUR	D/C	0	2024	0.0	30.8	-30.8
53		WARDHA-NIZAMABAD	D/C	0	2260	0.0	37.2	-37.2
54	400 kV	KOLHAPUR-KUDGI	D/C	625	0	7.8	0.0	7.8
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						9.1	91.9	-82.8
TRANSNATIONAL EXCHANGE								
58		BHUTAN						7.8
59		NEPAL						-1.4
60		BANGLADESH						-14.1