



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: 09th 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, 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 08.11.2018.

महोदय/Dear Sir,

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

9-Nov-18

A. Maximum Demand

	NR	WR	SR	ER	NER	Total
Demand Met during Evening Peak hrs(MW) (at 1900 hrs: from RLDCs)	35952	39737	40048	19939	2439	138115
Peak Shortage (MW)	410	0	26	0	52	488
Energy Met (MU)	760	972	902	388	41	3063
Hydro Gen (MU)	148	9	67	42	8	274
Wind Gen (MU)	3	13	42	-----	-----	58
Solar Gen (MU)*	21.77	20.42	63.74	0.92	0.05	107
Energy Shortage (MU)	8.5	0.0	0.5	0.0	0.8	9.7
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	37168 18:40	44252 10:37	40839 17:57	20208 19:29	2491 17:21	140939 18:45

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	0.026	0.00	0.14	3.06	3.19	85.27	11.54

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	4169	0	84.9	23.1	-0.6	83	0.0	
	Haryana	4754	0	87.3	57.1	0.7	218	0.0	
	Rajasthan	9993	0	192.7	47.8	1.8	354	0.0	
	Delhi	2609	0	50.4	41.3	-0.7	158	0.0	
	UP	12923	0	263.7	110.3	0.3	274	0.0	
	Uttarakhand	1475	0	25.5	13.9	-0.3	224	0.0	
	HP	991	0	17.4	7.4	-0.5	60	0.0	
	J&K	1831	458	35.6	33.4	-5.3	282	8.5	
	Chandigarh	145	0	2.7	3.2	-0.5	30	0.0	
	WR	Chhattisgarh	3345	0	72.5	10.9	-2.1	594	0.0
Gujarat		10224	0	224.1	104.2	3.4	998	0.0	
MP		11693	0	241.0	151.6	-2.8	431	0.0	
Maharashtra		18984	0	401.6	118.7	-0.1	734	0.0	
Goa		444	0	9.4	9.8	-0.9	43	0.0	
DD		143	0	2.9	2.6	0.3	43	0.0	
DNH		397	0	8.5	8.3	0.2	85	0.0	
Essar steel		611	0	11.8	11.0	0.8	295	0.0	
SR		Andhra Pradesh	8678	0	187.2	60.2	1.3	500	0.0
		Telangana	9180	0	189.4	100.1	1.9	607	0.0
	Karnataka	10046	0	197.2	60.9	1.6	555	0.0	
	Kerala	3642	75	70.9	47.7	1.3	245	0.5	
	Tamil Nadu	12500	0	251.1	137.6	-1.1	415	0.0	
	Pondy	324	0	6.4	6.7	-0.3	43	0.0	
	ER	Bihar	4400	0	76.4	75.8	-1.9	407	0.0
		DVC	2961	0	62.8	-17.1	0.9	218	0.0
		Jharkhand	1184	0	25.4	15.9	-1.6	26	0.0
		Odisha	4984	0	92.2	47.3	2.4	365	0.0
West Bengal		7150	0	130.5	32.1	-0.4	380	0.0	
Sikkim		78	0	1.0	1.6	-0.7	7	0.0	
NER	Arumachal Pradesh	116	4	2.2	2.1	0.1	6	0.0	
	Assam	1474	27	23.6	17.7	1.2	149	0.7	
	Manipur	172	3	2.3	2.6	-0.2	15	0.0	
	Meghalaya	301	0	5.3	3.2	0.0	32	0.0	
	Mizoram	93	4	1.6	1.7	-0.1	11	0.0	
	Nagaland	122	3	2.1	1.8	0.0	19	0.0	
	Tripura	237	0	4.1	2.2	-0.1	8	0.0	

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	7.8	-1.4	-17.2
Day peak (MW)	311.3	-138.0	-840.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	81.8	-172.0	130.3	-40.2	-0.2	-0.4
Actual(MU)	79.8	-174.9	135.3	-40.2	-1.0	-0.9
O/D/U/D(MU)	-2.0	-2.8	5.0	0.0	-0.8	-0.6

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	4856	13483	6822	600	81	25842
State Sector	10540	17737	9360	6215	50	43902
Total	15396	31220	16182	6815	131	69743

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Thermal (Coal & Lignite)	477	1054	500	397	8	2436
Hydro	148	9	67	42	8	274
Nuclear	25	30	41	0	0	96
Gas, Naptha & Diesel	14	37	26	0	30	106
RES (Wind, Solar, Biomass & Others)	41	35	142	1	0	219
Total	704	1165	776	440	46	3131

Share of RES in total generation (%)	5.79	2.99	18.37	0.22	0.11	7.00
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	30.33	6.36	32.24	9.66	17.95	18.79

H. Diversity Factor

All India Demand Diversity Factor	1.029
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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-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	303	150	1.7	0.0	1.7
2		SASARAM-FATEHPUR	S/C	334	0	5.1	0.0	5.1
3		GAYA-BALIA	S/C	31	151	0.0	1.7	-1.7
4	HVDC	ALIPURDUAR-AGRA	-	0	201	0.0	4.8	-4.8
5		PUSAULI B/B	S/C	0	400	0.0	9.7	-9.7
6	400 kV	PUSAULI-VARANASI	S/C	0	304	0.0	6.4	-6.4
7		PUSAULI -ALLAHABAD	S/C	0	158	0.0	3.0	-3.0
8		MUZAFFARPUR-GORAKHPUR	D/C	262	222	0.0	0.3	-0.3
9		PATNA-BALIA	Q/C	0	525	0.0	8.6	-8.6
10		BIHARSHARIFF-BALIA	D/C	79	31	0.1	0.0	0.1
11		MOTIHARI-GORAKHPUR	D/C	0	272	0.0	5.0	-5.0
12		BIHARSHARIFF-VARANASI	D/C	301	0	3.7	0.0	3.7
13	220 kV	PUSAULI-SAHUPURI	S/C	0	116	0.0	2.1	-2.1
14	132 kV	SONE NAGAR-RIHAND	S/C	0	0	0.0	0.0	0.0
15		GARWAH-RIHAND	S/C	25	0	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	0	0.0	0.0	0.0
ER-NR						11.1	41.5	-30.4
Import/Export of ER (With WR)								
18	765 kV	JHARSUGUDA-DHARAMJAIGARH S/C	D/C	962	0	38.0	0.0	38.0
19		NEW RANCHI-DHARAMJAIGARH	D/C	437	179	5.0	0.0	5.0
20	400 kV	JHARSUGUDA-RAIGARH	Q/C	314	10	4.0	0.0	4.0
21		RANCHI-SIPAT	D/C	233	0	4.0	0.0	4.0
22	220 kV	BUDHIPADAR-RAIGARH	S/C	0	1	0.0	0.0	0.0
23		BUDHIPADAR-KORBA	D/C	232	0	4.1	0.0	4.1
ER-WR						55.1	0.0	55.1
Import/Export of ER (With SR)								
24	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	2003.0	0.0	35.8	-35.8
25	HVDC	JEYPORE-GAZUWAKA B/B	D/C	0.0	619.0	0.0	14.3	-14.3
26	LINK	TALCHER-KOLAR BIPOLE	D/C	0.0	2464.0	0.0	45.6	-45.6
27	400 kV	TALCHER-I/C	D/C	0.0	965.0	0.0	4.9	-4.9
28	220 kV	BALIMELA-UPPER-SILERRU	S/C	1.0	0.0	0.0	0.0	0.0
ER-SR						0.0	95.8	-95.8
Import/Export of ER (With NER)								
29	400 kV	BINAGURI-BONGAIGAON	D/C	0	394	0.0	5.9	-6
30		ALIPURDUAR-BONGAIGAON	D/C	0	254	0.0	3.3	-3
31	220 kV	ALIPURDUAR-SALAKATI	D/C	0	96	0.0	1.2	-1
ER-NER						0.0	10.4	-10.4
Import/Export of NER (With NR)								
32	HVDC	BISWANATH CHARIALI-AGRA	-	500	0	0.0	12.0	-12.0
NER-NR						0.0	12.0	-12.0
Import/Export of WR (With NR)								
33	HVDC	CHAMPA-KURUKSHETRA	D/C	0	653	0.0	15.6	-15.6
34		V'CHAL B/B	D/C	241	0	6.0	0.0	6.0
35		APL -MHG	D/C	0	1080	0.0	23.0	-23.0
36		GWALIOR-AGRA	D/C	126	622	0.0	17.2	-17.2
37	765 kV	PHAGI-GWALIOR	D/C	0	860	0.0	14.6	-14.6
38		JABALPUR-ORAI	D/C	441	64	5.5	0.0	5.5
39		GWALIOR-ORAI	S/C	426	0	7.9	0.0	7.9
40		SATNA-ORAI	S/C	0	1561	0.0	35.4	-35.4
41		ZERDA-KANKROLI	S/C	472	0	8.7	0.0	8.7
42	400 kV	ZERDA -BHINMAL	S/C	308	0	4.9	0.0	4.9
43		V'CHAL -RIHAND	S/C	969	0	19.6	0.0	19.6
44		RAPP-SHUJALPUR	D/C	469	0	3	0	3
45	220 kV	BADOD-KOTA	S/C	76	0	2.8	0.0	2.8
46		BADOD-MORAK	S/C	89	7	1.1	0.0	1.1
47		MEHGAON-AURAIYA	S/C	110	0	1.7	0.0	1.7
48	132kV	MALANPUR-AURAIYA	S/C	73	0	1.0	0.0	1.0
49		GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0
WR-NR						62.4	105.8	-43.4
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	0	2072	0.0	31.3	-31.3
53		WARDHA-NIZAMABAD	D/C	0	2127	0.0	38.0	-38.0
54	400 kV	KOLHAPUR-KUDGI	D/C	562	0	7.3	0.0	7.3
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	72	1.2	0.0	1.2
WR-SR						8.5	93.1	-84.6
TRANSNATIONAL EXCHANGE								
58		BHUTAN						7.8
59		NEPAL						-1.4
60		BANGLADESH						-17.2