



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: 24th 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 23.11.2018.

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 23-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 23rd 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

24-Nov-18

A. Maximum Demand

	NR	WR	SR	ER	NER	Total
Demand Met during Evening Peak hrs(MW) (at 1900 hrs: from RLDCs)	42311	48513	38934	18260	2399	150417
Peak Shortage (MW)	610	0	0	100	43	753
Energy Met (MU)	902	1166	870	349	43	3329
Hydro Gen (MU)	126	23	63	39	8	259
Wind Gen (MU)	10	60	42	-----	-----	112
Solar Gen (MU)*	21.33	18.25	45.15	0.85	0.04	86
Energy Shortage (MU)	12.8	0.0	0.0	0.3	0.3	13.3
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	42907 18:51	54977 10:31	39439 07:42	18350 18:26	2455 17:21	153215 18:28

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	0.050	0.00	0.74	14.36	15.10	77.45	7.44

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	5273	0	113.8	32.2	0.3	145	0.0	
	Haryana	6052	63	116.6	66.3	1.2	213	1.1	
	Rajasthan	11572	0	233.0	63.4	2.3	445	0.0	
	Delhi	3460	0	61.6	44.9	0.4	205	0.0	
	UP	12894	0	264.6	116.6	0.0	287	1.4	
	Uttarakhand	1820	0	35.5	22.8	0.8	139	0.0	
	HP	1531	0	28.2	18.9	0.6	105	0.0	
	J&K	2198	550	45.8	37.3	2.7	372	10.2	
	Chandigarh	176	0	3.0	2.7	0.3	28	0.0	
	WR	Chhattisgarh	3599	0	77.0	8.0	-0.7	168	0.0
Gujarat		15343	0	337.5	121.3	2.1	793	0.0	
MP		13340	0	271.1	155.1	-1.7	337	0.0	
Maharashtra		20615	0	438.1	110.6	-1.1	515	0.0	
Goa		488	0	10.3	9.8	-0.1	57	0.0	
DD		317	0	7.0	6.2	0.8	59	0.0	
DNH		670	0	14.3	13.7	0.6	108	0.0	
Essar steel		523	0	10.1	9.9	0.2	294	0.0	
SR		Andhra Pradesh	7663	0	166.5	66.9	1.3	495	0.0
		Telangana	7991	0	176.0	83.1	2.2	425	0.0
	Karnataka	10028	0	192.8	65.2	1.4	466	0.0	
	Kerala	3419	0	70.4	55.5	0.8	358	0.0	
	Tamil Nadu	12457	0	257.1	134.0	-0.8	397	0.0	
	Pondy	333	0	6.7	6.9	-0.2	42	0.0	
	ER	Bihar	4061	0	68.8	67.9	-1.6	460	0.0
DVC		2961	0	63.3	-31.4	2.6	396	0.0	
Jharkhand		1174	0	24.5	14.7	-0.8	169	0.0	
Odisha		4323	100	86.0	37.7	4.5	267	0.3	
West Bengal		6065	0	104.8	24.3	5.7	309	0.0	
Sikkim		97	0	1.4	1.6	-0.2	18	0.0	
NER	Arumachal Pradesh	120	2	2.0	2.0	0.1	31	0.0	
	Assam	1450	30	23.6	18.7	0.4	124	0.2	
	Manipur	194	3	2.4	2.8	-0.4	18	0.0	
	Meghalaya	380	0	6.0	4.0	-0.1	135	0.0	
	Mizoram	95	2	2.0	0.9	0.5	-	0.0	
	Nagaland	135	3	2.2	1.8	0.2	25	0.0	
	Tripura	219	0	4.5	1.5	0.7	40	0.0	

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	4.5	-2.7	-14.4
Day peak (MW)	265.4	-144.0	-797.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	144.8	-164.4	107.3	-86.8	-0.4	0.5
Actual(MU)	150.1	-189.1	108.7	-72.1	-1.3	-3.7
O/D/U/D(MU)	5.4	-24.7	1.4	14.7	-0.9	-4.2

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	5261	13655	7542	600	131	27189
State Sector	12765	13427	9230	6925	50	42397
Total	18026	27082	16772	7525	181	69586

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Thermal (Coal & Lignite)	528	1191	521	413	9	2662
Hydro	126	23	63	39	8	259
Nuclear	25	19	36	0	0	79
Gas, Naptha & Diesel	25	41	24	0	30	119
RES (Wind, Solar, Biomass & Others)	62	82	125	1	0	270
Total	766	1356	768	453	47	3389

Share of RES in total generation (%)	8.11	6.07	16.29	0.19	0.09	7.98
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	27.79	9.15	29.12	8.84	17.42	17.96

H. Diversity Factor

All India Demand Diversity Factor	1.032
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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 : 24-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	0	491	0.0	5.8	-5.8	
2		SASARAM-FATEHPUR	S/C	120	110	0.4	0.9	-0.5	
3		GAYA-BALIA	S/C	0	243	0.0	3.8	-3.8	
4	HVDC	ALIPURDUAR-AGRA	-	0	307	0.0	5.0	-5.0	
5		PUSAULI B/B	S/C	2	348	0.0	6.7	-6.7	
6	400 kV	PUSAULI-VARANASI	S/C	0	240	0.0	4.1	-4.1	
7		PUSAULI -ALLAHABAD	S/C	35	173	0.0	2.5	-2.5	
8		MUZAFFARPUR-GORAKHPUR	D/C	152	343	0.0	2.3	-2.3	
9		PATNA-BALIA	Q/C	0	713	0.0	13.7	-13.7	
10		BIHARSHARIFF-BALIA	D/C	12	86	0.0	1.9	-1.9	
11		MOTIHARI-GORAKHPUR	D/C	0	325	0.0	6.3	-6.3	
12		BIHARSHARIFF-VARANASI	D/C	161	88	0.3	0.0	0.3	
13	220 kV	PUSAULI-SAHUPURI	S/C	0	118	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	0.6	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	1.3	55.3	-54.0
Import/Export of ER (With WR)									
18	765 kV	JHARSUGUDA-DHARAMJAIGARH S/C	D/C	1489	0	22.1	0.0	22.1	
19		NEW RANCHI-DHARAMJAIGARH	D/C	326	260	2.1	1.2	0.9	
20	400 kV	JHARSUGUDA-RAIGARH	Q/C	366	0	4.4	0.0	4.4	
21		RANCHI-SIPAT	D/C	228	0	3.2	0.0	3.2	
22	220 kV	BUDHIPADAR-RAIGARH	S/C	0	88	0.0	1.1	-1.1	
23		BUDHIPADAR-KORBA	D/C	211	0	3.6	0.0	3.6	
						ER-WR	35.4	2.3	33.1
Import/Export of ER (With SR)									
24	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	1451.0	0.0	25.6	-25.6	
25	HVDC	JEYPORE-GAZUWAKA B/B	D/C	0.0	585.0	0.0	14.6	-14.6	
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	852.0	0.0	7.3	-7.3	
28	220 kV	BALIMELA-UPPER-SILERRU	S/C	1.0	0.0	0.0	0.0	0.0	
						ER-SR	0.0	88.2	-88.2
Import/Export of ER (With NER)									
29	400 kV	BINAGURI-BONGAIGAON	D/C	0	340	0.0	5.2	-5	
30		ALIPURDUAR-BONGAIGAON	D/C	28	286	0.0	3.1	-3	
31	220 kV	ALIPURDUAR-SALAKATI	D/C	0	130	0.0	1.7	-2	
						ER-NER	0.0	10.0	-10.0
Import/Export of NER (With NR)									
32	HVDC	BISWANATH CHARIALI-AGRA	-	0	503	0.0	11.4	-11.4	
						NER-NR	0.0	11.4	-11.4
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	242	0	6.0	0.0	6.0	
35		APL -MHG	D/C	0	982	0.0	22.5	-22.5	
36	765 kV	GWALIOR-AGRA	D/C	0	924	0.0	31.6	-31.6	
37		PHAGI-GWALIOR	D/C	0	1266	0.0	19.9	-19.9	
38		JABALPUR-ORAI	D/C	171	365	0.0	8.1	-8.1	
39		GWALIOR-ORAI	S/C	554	0	9.5	0.0	9.5	
40		SATNA-ORAI	S/C	0	1689	0.0	36.5	-36.5	
41		400 kV	ZERDA-KANKROLI	S/C	302	2	2.0	0.0	2.0
42			ZERDA -BHINMAL	S/C	367	153	3.3	0.0	3.3
43	V'CHAL -RIHAND		S/C	988	0	22.7	0.0	22.7	
44	RAPP-SHUJALPUR		D/C	419	0	3	0	3	
45	220 kV	BADOD-KOTA	S/C	73	0	2.2	0.0	2.2	
46		BADOD-MORAK	S/C	60	19	0.5	0.0	0.5	
47		MEHGAON-AURAIYA	S/C	96	0	1.4	0.0	1.4	
48	132kV	MALANPUR-AURAIYA	S/C	50	3	0.5	0.0	0.5	
49		GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0	
						WR-NR	50.6	140.1	-89.5
Import/Export of WR (With SR)									
50	HVDC	BHADRAWATI B/B	-	0	1002	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	119	1766	0.0	20.5	-20.5	
53		WARDHA-NIZAMABAD	D/C	0	2141	0.0	29.5	-29.5	
54	400 kV	KOLHAPUR-KUDGI	D/C	791	0	10.6	0.0	10.6	
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	71	1.3	0.0	1.3	
						WR-SR	11.9	73.8	-62.0
TRANSNATIONAL EXCHANGE									
58		BHUTAN						4.5	
59		NEPAL						-2.7	
60		BANGLADESH						-14.4	