



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: 16th 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 15.11.2018.

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 15-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 15th 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

16-Nov-18

A. Maximum Demand

	NR	WR	SR	ER	NER	Total
Demand Met during Evening Peak hrs(MW) (at 1900 hrs: from RLDCs)	42885	49259	42577	18993	2392	156106
Peak Shortage (MW)	531	0	0	200	99	830
Energy Met (MU)	888	1157	959	354	43	3402
Hydro Gen (MU)	140	18	80	46	9	292
Wind Gen (MU)	7	40	37	-----	-----	84
Solar Gen (MU)*	20.91	18.7	66.84	0.82	0.03	107
Energy Shortage (MU)	10.8	0.0	0.0	0.6	0.8	12.1
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	43550 18:56	54809 10:49	43320 07:26	19043 18:01	2491 17:47	157704 18:19

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	0.057	0.00	1.22	15.90	17.12	75.15	7.73

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	5182	0	106.1	22.0	-0.7	93	0.0	
	Haryana	6196	0	113.1	67.2	1.4	199	0.0	
	Rajasthan	11528	0	232.2	69.0	0.8	318	0.0	
	Delhi	3292	0	62.5	46.7	-0.4	143	0.0	
	UP	13323	0	266.7	115.0	0.2	161	0.0	
	Uttarakhand	1827	0	34.2	22.6	1.5	252	0.0	
	HP	1448	0	25.7	16.5	-0.5	114	0.1	
	J&K	2182	545	44.8	37.9	-1.3	319	10.7	
	Chandigarh	175	0	3.2	3.2	0.0	40	0.0	
	WR	Chhattisgarh	3727	0	74.6	9.3	-5.3	161	0.0
Gujarat		14527	0	319.1	127.2	2.6	590	0.0	
MP		13138	0	267.7	160.3	-4.3	400	0.0	
Maharashtra		22256	0	452.6	138.6	-2.7	769	0.0	
Goa		496	0	10.1	9.7	0.1	59	0.0	
DD		311	0	6.9	6.1	0.8	59	0.0	
DNH		642	0	14.7	14.5	0.2	60	0.0	
Essar steel		543	0	11.4	11.1	0.3	250	0.0	
SR		Andhra Pradesh	8406	0	182.9	61.2	1.4	414	0.0
		Telangana	8500	0	177.3	78.6	1.6	475	0.0
	Karnataka	10783	0	219.0	71.1	-0.1	393	0.0	
	Kerala	3766	0	73.0	51.5	0.9	301	0.0	
	Tamil Nadu	13948	0	300.1	145.0	1.6	442	0.0	
	Pondy	319	0	6.6	6.9	-0.3	16	0.0	
ER	Bihar	4094	0	69.5	68.7	-1.6	460	0.0	
	DVC	2984	100	61.9	-23.4	2.8	396	0.3	
	Jharkhand	1146	0	24.4	14.3	-0.4	169	0.0	
	Odisha	4307	100	84.4	30.3	3.3	267	0.3	
	West Bengal	6750	0	113.1	24.3	2.5	309	0.0	
	Sikkim	99	0	1.4	1.4	0.0	18	0.0	
NER	Arumachal Pradesh	125	2	2.1	1.9	0.2	16	0.0	
	Assam	1510	41	23.9	19.0	0.4	65	0.7	
	Manipur	166	3	2.7	2.8	-0.1	48	0.0	
	Meghalaya	338	0	5.7	3.6	-0.2	39	0.0	
	Mizoram	84	1	1.8	1.0	0.4	8	0.0	
	Nagaland	115	2	2.2	1.9	0.1	10	0.0	
	Tripura	226	3	4.2	2.3	0.7	21	0.0	

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	7.6	-2.2	-14.5
Day peak (MW)	397.0	-120.0	-683.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	125.5	-164.9	108.9	-69.4	-0.1	0.0
Actual(MU)	115.5	-168.4	115.7	-64.3	-1.0	-2.6
O/D/U/D(MU)	-10.0	-3.5	6.7	5.1	-0.8	-2.5

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	4701	13645	7532	1745	46	27669
State Sector	11740	15021	8030	5155	50	39996
Total	16441	28666	15562	6900	96	67664

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Thermal (Coal & Lignite)	543	1203	569	402	8	2725
Hydro	140	18	80	46	9	292
Nuclear	24	31	39	0	0	95
Gas, Naptha & Diesel	25	40	24	0	31	120
RES (Wind, Solar, Biomass & Others)	52	60	142	1	0	254
Total	784	1351	855	449	47	3485

Share of RES in total generation (%)	6.65	4.41	16.56	0.19	0.06	7.29
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	27.62	8.03	30.55	10.40	18.32	18.40

H. Diversity Factor

All India Demand Diversity Factor	1.035
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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 : 16-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	74	218	0.0	1.8	-1.8	
2		SASARAM-FATEHPUR	S/C	160	92	0.2	0.0	0.2	
3		GAYA-BALIA	S/C	0	179	0.0	2.2	-2.2	
4	HVDC	ALIPURDUAR-AGRA	-	0	306	0.0	7.4	-7.4	
5		PUSAULI B/B	S/C	0	297	0.0	5.6	-5.6	
6	400 kV	PUSAULI-VARANASI	S/C	0	239	0.0	3.8	-3.8	
7		PUSAULI -ALLAHABAD	S/C	0	119	0.0	1.6	-1.6	
8		MUZAFFARPUR-GORAKHPUR	D/C	129	280	0.0	2.8	-2.8	
9		PATNA-BALIA	Q/C	0	766	0.0	11.6	-11.6	
10		BIHARSHARIFF-BALIA	D/C	28	75	0.0	1.8	-1.8	
11		MOTIHARI-GORAKHPUR	D/C	0	336	0.0	6.7	-6.7	
12		BIHARSHARIFF-VARANASI	D/C	212	39	1.0	0.0	1.0	
13	220 kV	PUSAULI-SAHUPURI	S/C	0	127	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	1.8	47.6	-45.8
Import/Export of ER (With WR)									
18	765 kV	JHARSUGUDA-DHARAMJAIGARH S/C	D/C	850	0	31.5	0.0	31.5	
19		NEW RANCHI-DHARAMJAIGARH	D/C	270	174	1.2	0.0	1.2	
20	400 kV	JHARSUGUDA-RAIGARH	Q/C	321	0	0.0	4.2	-4.2	
21		RANCHI-SIPAT	D/C	265	0	3.8	0.0	3.8	
22	220 kV	BUDHIPADAR-RAIGARH	S/C	44	74	0.0	0.7	-0.7	
23		BUDHIPADAR-KORBA	D/C	174	0	3.1	0.0	3.1	
						ER-WR	39.6	4.9	34.7
Import/Export of ER (With SR)									
24	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	1723.0	0.0	29.9	-29.9	
25	HVDC	JEYPORE-GAZUWAKA B/B	D/C	0.0	631.0	0.0	14.9	-14.9	
26	LINK	TALCHER-KOLAR BIPOLE	D/C	0.0	1977.0	0.0	43.7	-43.7	
27	400 kV	TALCHER-I/C	D/C	0.0	720.0	0.0	2.7	-2.7	
28	220 kV	BALIMELA-UPPER-SILERRU	S/C	1.0	0.0	0.0	0.0	0.0	
						ER-SR	0.0	88.5	-88.5
Import/Export of ER (With NER)									
29	400 kV	BINAGURI-BONGAIGAON	D/C	0	439	0.0	6.8	-7	
30		ALIPURDUAR-BONGAIGAON	D/C	0	242	0.0	3.0	-3	
31	220 kV	ALIPURDUAR-SALAKATI	D/C	0	125	0.0	1.2	-1	
						ER-NER	0.0	11.0	-11.0
Import/Export of NER (With NR)									
32	HVDC	BISWANATH CHARIALI-AGRA	-	0	505	0.0	12.2	-12.2	
						NER-NR	0.0	12.2	-12.2
Import/Export of WR (With NR)									
33	HVDC	CHAMPA-KURUKSHETRA	D/C	0	902	0.0	21.5	-21.5	
34		V'CHAL B/B	D/C	241	0	6.5	0.0	6.5	
35	765 kV	APL -MHG	D/C	0	886	0.0	21.8	-21.8	
36		GWALIOR-AGRA	D/C	0	771	0.0	24.3	-24.3	
37		PHAGI-GWALIOR	D/C	0	1108	0.0	18.5	-18.5	
38		JABALPUR-ORAI	D/C	216	172	1.3	0.0	1.3	
39		GWALIOR-ORAI	S/C	507	0	9.8	0.0	9.8	
40		SATNA-ORAI	S/C	0	1626	0.0	36.3	-36.3	
41		400 kV	ZERDA-KANKROLI	S/C	433	0	7.3	0.0	7.3
42	ZERDA -BHINMAL		S/C	184	152	1.6	0.0	1.6	
43	V'CHAL -RIHAND		S/C	988	0	22.6	0.0	22.6	
44	RAPP-SHUJALPUR		D/C	414	0	3	0	3	
45	220 kV	BADOD-KOTA	S/C	64	0	2.7	0.0	2.7	
46		BADOD-MORAK	S/C	55	35	0.2	0.0	0.2	
47		MEHGAON-AURAIYA	S/C	117	0	1.5	0.0	1.5	
48	132kV	MALANPUR-AURAIYA	S/C	71	0	0.8	0.0	0.8	
49		GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0	
						WR-NR	57.2	122.5	-65.3
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	173	1878	0.0	22.4	-22.4	
53		WARDHA-NIZAMABAD	D/C	0	2370	0.0	32.8	-32.8	
54	400 kV	KOLHAPUR-KUDGI	D/C	768	0	9.4	0.0	9.4	
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	62	1.3	0.0	1.3	
						WR-SR	10.7	79.1	-68.4
TRANSNATIONAL EXCHANGE									
58		BHUTAN						7.6	
59		NEPAL						-2.2	
60		BANGLADESH						-14.5	