



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: 20th Oct 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 19.10.2018.

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 19-अक्टूबर-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 19th October 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

20-Oct-18

A. Maximum Demand

	NR	WR	SR	ER	NER	Total
Demand Met during Evening Peak hrs(MW) (at 1900 hrs: from RLDCs)	41652	50948	38552	18456	2163	151771
Peak Shortage (MW)	438	0	0	0	52	490
Energy Met (MU)	949	1236	860	384	36	3464
Hydro Gen (MU)	170	31	72	71	16	360
Wind Gen (MU)	6	16	13	-----	-----	35
Solar Gen (MU)*	21.37	19.86	67.88	0.82	0.04	110
Energy Shortage (MU)	9.6	1.2	0.0	0.0	0.8	11.7
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	43286 18:57	56366 11:20	39158 18:46	18556 19:17	2023 18:13	154882 18:42

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	0.024	0.00	0.00	4.11	4.11	85.35	10.54

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	5360	0	123.7	22.4	-0.4	299	0.0	
	Haryana	6203	0	132.2	90.0	0.2	214	0.0	
	Rajasthan	10286	0	211.9	42.6	0.6	510	0.0	
	Delhi	3335	0	69.6	51.7	-1.3	83	0.0	
	UP	15513	0	314.3	125.4	-0.3	479	0.0	
	Uttarakhand	1582	0	31.9	10.8	-0.4	91	0.0	
	HP	1280	10	22.8	9.5	0.5	189	0.2	
	J&K	1903	476	39.3	36.0	-6.3	-20	9.5	
	Chandigarh	153	0	3.0	3.2	-0.2	16	0.0	
	WR	Chhattisgarh	4193	0	98.6	26.9	-2.5	131	0.0
Gujarat		16397	0	365.7	140.3	6.0	667	0.0	
MP		11380	0	248.5	134.5	-1.7	762	0.0	
Maharashtra		23407	0	484.0	189.5	-2.2	547	1.2	
Goa		470	0	10.4	10.1	-0.2	49	0.0	
DD		256	0	5.7	5.0	0.7	50	0.0	
DNH		670	0	15.4	15.1	0.3	101	0.0	
Essar steel		395	0	7.8	7.5	0.3	292	0.0	
SR		Andhra Pradesh	7495	0	170.2	68.3	1.0	474	0.0
		Telangana	9315	0	197.6	83.8	0.4	668	0.0
	Karnataka	7346	0	149.6	38.9	1.1	660	0.0	
	Kerala	3379	0	66.5	43.2	0.7	260	0.0	
	Tamil Nadu	12518	0	268.9	127.0	2.0	768	0.0	
	Pondy	342	0	6.8	7.1	-0.3	39	0.0	
ER	Bihar	4027	0	78.3	77.9	-1.9	50	0.0	
	DVC	2634	0	56.0	-21.4	-0.3	150	0.0	
	Jharkhand	1000	0	21.8	13.1	-1.4	20	0.0	
	Odisha	4761	0	99.9	40.6	1.7	220	0.0	
	West Bengal	6699	0	127.0	15.4	0.4	150	0.0	
	Sikkim	67	0	0.8	1.4	-0.6	11	0.0	
NER	Arunachal Pradesh	109	2	2.1	2.2	-0.1	137	0.0	
	Assam	1245	24	19.2	14.2	0.1	136	0.7	
	Manipur	166	3	2.2	2.4	-0.2	31	0.0	
	Meghalaya	269	0	4.9	2.9	-0.2	49	0.0	
	Mizoram	76	1	1.8	1.0	0.1	2	0.0	
	Nagaland	102	2	2.1	1.8	-0.2	11	0.0	
	Tripura	242	2	3.9	2.8	-0.5	5	0.1	

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	11.3	-1.0	-20.9
Day peak (MW)	610.0	-112.0	-913.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	116.3	-117.0	91.2	-81.1	-6.9	2.4
Actual(MU)	108.9	-117.5	93.8	-77.7	-9.9	-2.5
O/D/U/D(MU)	-7.4	-0.5	2.6	3.4	-3.0	-4.8

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	5215	10923	7862	1010	56	25066
State Sector	8690	12724	7730	5635	50	34829
Total	13905	23647	15592	6645	106	59895

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Thermal (Coal & Lignite)	594	1226	526	413	7	2766
Hydro	170	31	72	71	16	360
Nuclear	24	27	23	0	0	74
Gas, Naptha & Diesel	30	44	24	0	26	125
RES (Wind, Solar, Biomass & Others)	45	37	125	1	0	208
Total	862	1366	771	485	50	3533

Share of RES in total generation (%)	5.22	2.73	16.20	0.18	0.08	5.89
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	27.65	7.00	28.57	14.81	32.43	18.18

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 : 20-Oct-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	128	376	0.0	4.5	-4.5	
2		SASARAM-FATEHPUR	S/C	282	0	2.8	0.0	2.8	
3		GAYA-BALIA	S/C	0	276	0.0	3.8	-3.8	
4		ALIPURDUAR-AGRA	-	0	501	0.0	10.0	-10.0	
5	HVDC	PUSAULI B/B	S/C	0	398	0.0	9.7	-9.7	
6		PUSAULI-VARANASI	S/C	0	298	0.0	6.2	-6.2	
7	400 kV	PUSAULI -ALLAHABAD	S/C	0	178	0.0	3.3	-3.3	
8		MUZAFFARPUR-GORAKHPUR	D/C	0	559	0.0	8.6	-8.6	
9		PATNA-BALIA	Q/C	0	800	0.0	15.5	-15.5	
10		BIHARSHARIFF-BALIA	D/C	0	222	0.0	3.6	-3.6	
11		MOTIHARI-GORAKHPUR	D/C	0	362	0.0	6.5	-6.5	
12		BIHARSHARIFF-VARANASI	D/C	170	140	0.0	1.6	-1.6	
13	220 kV	PUSAULI-SAHUPURI	S/C	0	149	0.0	3.1	-3.1	
14	132 kV	SONE NAGAR-RIHAND	S/C	0	0	0.0	0.0	0.0	
15		GARWAH-RIHAND	S/C	0	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	3.4	76.3	-72.9
Import/Export of ER (With WR)									
18	765 kV	JHARSUGUDA-DHARAMJAIGARH S/C	D/C	1114	0	15.5	0.0	15.5	
19		NEW RANCHI-DHARAMJAIGARH	D/C	332	471	0.7	0.0	0.7	
20	400 kV	JHARSUGUDA-RAIGARH	Q/C	681	0	9.3	0.0	9.3	
21		RANCHI-SIPAT	D/C	278	52	4.4	0.0	4.4	
22	220 kV	BUDHIPADAR-RAIGARH	S/C	0	1	0.0	0.0	0.0	
23		BUDHIPADAR-KORBA	D/C	206	0	3.9	0.0	3.9	
						ER-WR	33.7	0.0	33.7
Import/Export of ER (With SR)									
24	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	1361.0	0.0	22.0	-22.0	
25	HVDC	JEYPORE-GAZUWAKA B/B	D/C	0.0	608.0	0.0	14.6	-14.6	
26	LINK	TALCHER-KOLAR BIPOLE	D/C	0.0	1345.0	0.0	38.3	-38.3	
27	400 kV	TALCHER-I/C	D/C	0.0	771.0	0.0	6.5	-6.5	
28	220 kV	BALIMELA-UPPER-SILERRU	S/C	1.0	0.0	0.0	0.0	0.0	
						ER-SR	0.0	74.9	-74.9
Import/Export of ER (With NER)									
29	400 kV	BINAGURI-BONGAIGAON	D/C	0	331	0.0	4.8	-5	
30		ALIPURDUAR-BONGAIGAON	D/C	99	192	0.0	0.5	0	
31	220 kV	ALIPURDUAR-SALAKATI	D/C	1	84	0.0	0.9	-1	
						ER-NER	0.0	6.1	-6.1
Import/Export of NER (With NR)									
32	HVDC	BISWANATH CHARIALI-AGRA	-	0	703	0.0	16.9	-16.9	
						NER-NR	0.0	16.9	-16.9
Import/Export of WR (With NR)									
33	HVDC	CHAMPA-KURUKSHETRA	D/C	0	450	0.0	10.7	-10.7	
34		V'CHAL B/B	D/C	241	0	6.1	0.0	6.1	
35		APL -MHG	D/C	0	594	0.0	14.6	-14.6	
36		GWALIOR-AGRA	D/C	40	625	0.0	12.7	-12.7	
37	765 kV	PHAGI-GWALIOR	D/C	0	1082	0.0	14.8	-14.8	
38		JABALPUR-ORAI	D/C	304	267	0.8	0.3	0.5	
39		GWALIOR-ORAI	S/C	401	0	8.0	0.0	8.0	
40		SATNA-ORAI	S/C	0	1459	0.0	28.5	-28.5	
41		400 kV	ZERDA-KANKROLI	S/C	480	0	7.8	0.0	7.8
42			ZERDA -BHINMAL	S/C	426	0	5.5	0.0	5.5
43	V'CHAL -RIHAND		S/C	489	0	11.1	0.0	11.1	
44	RAPP-SHUJALPUR		D/C	197	0	3	0	3	
45	220 kV	BADOD-KOTA	S/C	109	0	2.7	0.0	2.7	
46		BADOD-MORAK	S/C	121	0	1.7	0.0	1.7	
47		MEHGAON-AURAIYA	S/C	118	0	2.3	0.0	2.3	
48	132kV	MALANPUR-AURAIYA	S/C	87	0	1.1	0.0	1.1	
49		GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0	
						WR-NR	50.5	81.5	-31.0
Import/Export of WR (With SR)									
50	HVDC	BHADRAWATI B/B	-	0	995	0.0	20.7	-20.7	
51	LINK	BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0	
52	765 kV	SOLAPUR-RAICHUR	D/C	252	1140	0.0	14.6	-14.6	
53		WARDHA-NIZAMABAD	D/C	0	1859	0.0	32.9	-32.9	
54	400 kV	KOLHAPUR-KUDGI	D/C	985	0	15.1	0.0	15.1	
55	220 kV	KOLHAPUR-CHIKODI	D/C	0	0	0.0	0.0	0.0	
56		PONDA-AMBEWADI	S/C	1	0	0.0	0.0	0.0	
57		XELDEM-AMBEWADI	S/C	0	59	1.2	0.0	1.2	
						WR-SR	16.3	68.2	-51.8
TRANSNATIONAL EXCHANGE									
58		BHUTAN						11.3	
59		NEPAL						-1.0	
60		BANGLADESH						-20.9	