



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: 9th Oct 2018

To,

- कार्यकारी निदेशक, पू.क्षे.भा.प्रे.के., 14, गोल्फ क्लब रोड, कोलकाता - 700033
Executive Director, ERLDC, 14 Golf Club Road, Tolleygunge, Kolkata, 700033
- 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
- 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
- कार्यकारी निदेशक, ऊ.पू.क्षे.भा.प्रे.के., डोंगतिह, लोअर नोंग्रह, लापलंग, शिलोंग - 793006
Executive Director, NERLDC, Dongteih, Lower Nongrah, Lapalang, Shillong - 793006, Meghalaya
- 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 08.10.2018.

महोदय/Dear Sir,

आईईंजींसी-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 08-अक्टूबर-2018 की अखिल भारतीय प्रणाली की दैनिक ग्रिड निष्पादन रिपोर्ट रांभांप्रेके 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 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

9-Oct-18

A. Maximum Demand

	NR	WR	SR	ER	NER	Total
Demand Met during Evening Peak hrs(MW) (at 1900 hrs: from RLDCs)	46834	53844	41558	22239	2523	166998
Peak Shortage (MW)	2224	466	350	486	167	3693
Energy Met (MU)	1083	1278	944	474	44	3823
Hydro Gen (MU)	191	65	114	99	18	488
Wind Gen (MU)	9	15	28	-----	-----	52
Solar Gen (MU)*	22.77	19.3	61.96	1.01	0.04	105
Energy Shortage (MU)	17.0	5.7	1.0	1.5	1.3	26.4
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	49631 19:42	56502 15:15	41652 07:38	21963 18:47	2565 18:32	168803 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	0.074	0.00	2.77	20.68	23.45	70.96	5.59

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	7685	0	172.0	54.1	-0.4	123	0.0	
	Haryana	7261	203	144.5	75.4	2.7	296	3.5	
	Rajasthan	10028	0	216.9	46.5	-2.1	211	0.0	
	Delhi	4321	0	91.5	63.3	-0.7	74	0.0	
	UP	15544	1040	351.2	137.3	0.3	472	3.6	
	Uttarakhand	1867	0	37.3	12.4	-0.1	109	0.0	
	HP	1397	0	27.1	8.0	1.2	174	0.0	
	J&K	2002	500	38.7	32.1	-3.5	233	9.9	
	Chandigarh	206	0	3.8	4.0	-0.1	17	0.0	
	WR	Chhattisgarh	4504	0	103.9	44.1	0.9	338	0.7
Gujarat		17889	0	394.8	130.3	8.4	942	0.0	
MP		10136	0	225.4	107.6	1.3	867	0.0	
Maharashtra		24216	452	510.0	174.2	7.9	1017	5.1	
Goa		540	0	14.1	9.5	1.3	85	0.0	
DD		321	0	7.1	5.7	1.4	91	0.0	
DNH		750	0	16.6	15.7	0.9	256	0.0	
Essar steel		335	0	5.8	5.6	0.2	277	0.0	
SR		Andhra Pradesh	8562	0	193.2	53.6	3.0	594	0.0
		Telangana	10442	0	229.3	101.6	2.6	542	0.0
	Karnataka	8922	0	187.3	20.0	-0.5	463	0.0	
	Kerala	3175	350	66.2	33.2	0.9	253	1.0	
	Tamil Nadu	12309	0	261.2	145.4	-0.2	567	0.0	
	Pondy	317	0	6.7	7.0	-0.3	22	0.0	
	ER	Bihar	5093	0	93.5	94.7	-3.9	178	0.0
DVC		2887	0	60.9	-18.7	1.6	400	0.0	
Jharkhand		1085	0	23.0	15.9	1.7	120	0.6	
Odisha		5272	0	112.8	40.8	3.4	400	0.9	
West Bengal		8457	0	182.9	42.1	1.4	50	0.0	
Sikkim		93	0	1.1	1.0	0.0	30	0.0	
NER	Arunachal Pradesh	116	4	2.2	2.3	-0.1	139	0.0	
	Assam	1617	115	25.7	20.5	0.2	139	1.2	
	Manipur	169	3	2.3	2.4	-0.1	12	0.0	
	Meghalaya	269	0	4.7	3.2	-0.2	52	0.0	
	Mizoram	88	0	1.8	0.7	0.5	15	0.0	
	Nagaland	112	2	2.4	1.8	0.2	10	0.0	
	Tripura	272	1	4.9	4.0	0.2	47	0.0	

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	15.5	-2.6	-20.8
Day peak (MW)	798.2	-142.0	-905.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	121.6	-125.5	44.3	-38.3	-0.4	1.7
Actual(MU)	103.7	-115.9	46.8	-28.9	-2.6	3.1
O/D/U/D(MU)	-17.9	9.6	2.5	9.3	-2.1	1.4

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	3019	16033	6722	1100	271	27145
State Sector	6610	12926	7790	5195	50	32571
Total	9629	28959	14512	6295	321	59715

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Thermal (Coal & Lignite)	671	1189	597	405	5	2867
Hydro	191	65	114	99	18	488
Nuclear	23	12	34	0	0	69
Gas, Naptha & Diesel	69	98	24	0	28	220
RES (Wind, Solar, Biomass & Others)	52	35	131	1	0	219
Total	1007	1398	901	505	52	3862

Share of RES in total generation (%)	5.12	2.52	14.56	0.21	0.08	5.67
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	26.43	8.01	31.02	19.83	35.23	20.09

H. Diversity Factor

All India Demand Diversity Factor	1.021
-----------------------------------	-------

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-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	434	0	3.8	0.0	3.8	
2		SASARAM-FATEHPUR	S/C	461	0	7.2	0.0	7.2	
3		GAYA-BALIA	S/C	44	113	0.0	1.3	-1.3	
4		ALIPURDUAR-AGRA	-	0	1001	0.0	20.6	-20.6	
5	HVDC	PUSAULI B/B	S/C	0	398	0.0	9.4	-9.4	
6	400 kV	PUSAULI-VARANASI	S/C	0	327	0.0	6.6	-6.6	
7		PUSAULI -ALLAHABAD	S/C	0	151	0.0	2.6	-2.6	
8		MUZAFFARPUR-GORAKHPUR	D/C	373	280	0.0	0.1	-0.1	
9		PATNA-BALIA	Q/C	0	529	0.0	8.5	-8.5	
10		BIHARSHARIFF-BALIA	D/C	164	71	0.1	0.0	0.1	
11		MOTIHARI-GORAKHPUR	D/C	0	263	0.0	4.7	-4.7	
12		BIHARSHARIFF-VARANASI	D/C	370	0	4.3	0.0	4.3	
13		220 kV	PUSAULI-SAHUPURI	S/C	0	195	0.0	3.9	-3.9
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						16.1	57.7	-41.7	
Import/Export of ER (With WR)									
18	765 kV	JHARSUGUDA-DHARAMJAIGARH S/C	D/C	1139	0	21.6	0.0	21.6	
19		NEW RANCHI-DHARAMJAIGARH	D/C	562	109	5.6	0.0	5.6	
20	400 kV	JHARSUGUDA-RAIGARH	Q/C	696	0	12.4	0.0	12.4	
21		RANCHI-SIPAT	D/C	346	0	5.3	0.0	5.3	
22	220 kV	BUDHIPADAR-RAIGARH	S/C	0	2	0.0	0.0	0.0	
23		BUDHIPADAR-KORBA	D/C	223	0	3.7	0.0	3.7	
ER-WR						48.6	0.0	48.6	
Import/Export of ER (With SR)									
24	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	1484.0	0.0	23.9	-23.9	
25	HVDC	JEYPORE-GAZUWAKA B/B	D/C	0.0	520.0	0.0	9.8	-9.8	
26	LINK	TALCHER-KOLAR BIPOLE	D/C	0.0	1506.0	0.0	25.3	-25.3	
27	400 kV	TALCHER-I/C	D/C	0.0	699.0	1.6	0.0	1.6	
28	220 kV	BALIMELA-UPPER-SILERRU	S/C	1.0	0.0	0.0	0.0	0.0	
ER-SR						0.0	59.0	-59.0	
Import/Export of ER (With NER)									
29	400 kV	BINAGURI-BONGAIGAON	D/C	0	560	0.0	9.8	-10	
30		ALIPURDUAR-BONGAIGAON	D/C	199	149	0.0	0.3	0	
31	220 kV	ALIPURDUAR-SALAKATI	D/C	0	148	0.0	2.0	-2	
ER-NER						0.0	12.1	-12.1	
Import/Export of NER (With NR)									
32	HVDC	BISWANATH CHARIALI-AGRA	-	0	703	0.0	15.3	-15.3	
NER-NR						0.0	15.3	-15.3	
Import/Export of WR (With NR)									
33	HVDC	CHAMPA-KURUKSHETRA	D/C	0	959	0.0	22.9	-22.9	
34		V'CHAL B/B	D/C	240	0	6.1	0.0	6.1	
35		APL -MHG	D/C	0	595	0.0	14.6	-14.6	
36		GWALIOR-AGRA	D/C	0	530	0.0	24.7	-24.7	
37	765 kV	PHAGI-GWALIOR	D/C	0	692	0.0	10.6	-10.6	
38		JABALPUR-ORAI	D/C	195	115	0.5	0.4	0.1	
39		GWALIOR-ORAI	S/C	309	0	5.8	0.0	5.8	
40		SATNA-ORAI	S/C	0	1432	0.0	31.7	-31.7	
41		400 kV	ZERDA-KANKROLI	S/C	486	0	8.0	0.0	8.0
42			ZERDA -BHINMAL	S/C	330	0	5.9	0.0	5.9
43			V'CHAL -RIHAND	S/C	489	0	11.8	0.0	11.8
44			RAPP-SHUJALPUR	D/C	373	0	3	0	3
45	220 kV	BADOD-KOTA	S/C	102	0	2.2	0.0	2.2	
46		BADOD-MORAK	S/C	110	0	1.4	0.0	1.4	
47		MEHGAON-AURAIYA	S/C	164	0	2.8	0.0	2.8	
48	132kV	MALANPUR-AURAIYA	S/C	117	0	1.8	0.0	1.8	
49		GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0	
WR-NR						48.7	104.8	-56.2	
Import/Export of WR (With SR)									
50	HVDC	BHADRAWATI B/B	-	0	1002	0.0	14.0	-14.0	
51	LINK	BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0	
52	765 kV	SOLAPUR-RAICHUR	D/C	1007	449	6.1	0.0	6.1	
53		WARDHA-NIZAMABAD	D/C	0	1713	0.0	27.5	-27.5	
54	400 kV	KOLHAPUR-KUDGI	D/C	1069	0	18.2	0.0	18.2	
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	73	1.2	0.0	1.2	
WR-SR						25.5	41.5	-16.0	
TRANSNATIONAL EXCHANGE									
58		BHUTAN						15.5	
59		NEPAL						-2.6	
60		BANGLADESH						-20.8	