



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: 10th 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 09.10.2018.

महोदय/Dear Sir,

आईईंजींसीं-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 09-अक्टूबर-2018 की अखिल भारतीय प्रणाली की दैनिक ग्रिड निष्पादन रिपोर्ट रांभांप्रेंकें 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 9th 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

10-Oct-18

A. Maximum Demand

	NR	WR	SR	ER	NER	Total
Demand Met during Evening Peak hrs(MW) (at 1900 hrs: from RLDCs)	47069	53645	43165	22142	2602	168623
Peak Shortage (MW)	1612	253	0	861	105	2831
Energy Met (MU)	1074	1273	966	465	44	3823
Hydro Gen (MU)	199	71	114	90	18	493
Wind Gen (MU)	20	15	26	-----	-----	61
Solar Gen (MU)*	21.56	20.60	61.06	0.82	0.04	104
Energy Shortage (MU)	14.7	8.3	1.0	2.6	1.0	27.6
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	49282 19:30	55523 11:26	43160 18:54	22112 19:00	2565 18:20	170054 18:56

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	0.040	0.00	0.08	9.32	9.40	83.88	6.72

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	7084	0	163.1	43.0	-0.8	120	0.0
	Haryana	7691	0	154.0	87.7	2.6	326	0.0
	Rajasthan	10059	0	213.8	37.3	1.5	498	0.0
	Delhi	4403	0	92.3	64.1	-0.9	71	0.0
	UP	15464	710	350.2	137.3	1.7	237	6.6
	Uttarakhand	1920	0	37.3	12.9	0.8	208	0.0
	HP	1395	0	27.1	8.5	1.0	135	0.0
	J&K	1767	442	32.5	28.9	-6.5	119	8.1
	Chandigarh	201	0	3.8	3.9	-0.1	30	0.0
WR	Chhattisgarh	4492	0	104.0	46.0	-4.1	108	0.0
	Gujarat	17645	0	392.7	131.6	10.7	815	0.0
	MP	10275	0	228.3	110.8	0.1	808	0.0
	Maharashtra	23278	612	503.1	157.6	8.9	942	8.3
	Goa	540	0	14.1	10.0	0.1	62	0.0
	DD	313	0	7.0	5.8	1.2	84	0.0
	DNH	767	0	17.8	16.4	1.4	146	0.0
	Essar steel	338	0	6.0	5.6	0.4	279	0.0
	SR	Andhra Pradesh	8622	0	195.8	63.1	4.4	834
Telangana		10600	0	233.4	108.3	4.1	915	0.0
Karnataka		9076	0	192.9	26.1	0.5	627	0.0
Kerala		3289	300	66.7	35.6	1.1	233	1.0
Tamil Nadu		13294	0	270.7	145.0	-1.1	457	0.0
Pondy		337	0	6.9	7.1	-0.2	24	0.0
ER	Bihar	5063	0	94.0	92.2	-1.0	365	0.1
	DVC	2874	0	60.8	-18.7	2.7	452	1.1
	Jharkhand	1070	151	24.9	16.8	1.5	185	0.5
	Odisha	5170	300	113.8	42.5	2.2	398	0.9
	West Bengal	8462	0	170.7	45.6	-0.1	425	0.0
	Sikkim	96	0	1.2	1.3	0.0	20	0.0
NER	Arunachal Pradesh	114	2	2.1	2.1	0.0	-	0.0
	Assam	1623	77	26.4	20.6	0.9	129	1.0
	Manipur	173	1	2.2	2.3	-0.1	21	0.0
	Meghalaya	334	0	4.8	3.1	-0.2	68	0.0
	Mizoram	85	2	2.0	0.9	0.4	12	0.0
	Nagaland	106	2	2.4	1.3	0.7	29	0.0
	Tripura	268	1	4.3	3.9	-0.5	15	0.0

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	14.6	-2.7	-20.2
Day peak (MW)	764.1	-142.0	-875.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	109.0	-133.8	64.3	-36.5	-1.1	1.9
Actual(MU)	88.6	-128.8	69.6	-24.7	-2.3	2.5
OD/UD(MU)	-20.4	5.0	5.3	11.8	-1.2	0.6

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	3518	13492	6722	1760	271	25763
State Sector	7135	13374	7400	5195	50	33154
Total	10653	26866	14122	6955	321	58917

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Thermal (Coal & Lignite)	665	1189	597	402	5	2857
Hydro	199	71	114	90	18	493
Nuclear	18	12	34	0	0	64
Gas, Naptha & Diesel	64	99	24	0	28	216
RES (Wind, Solar, Biomass & Others)	61	37	131	1	0	229
Total	1007	1407	900	493	51	3859

Share of RES in total generation (%)	6.04	2.60	14.53	0.17	0.08	5.94
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	27.64	8.49	30.98	18.49	35.45	20.37

H. Diversity Factor

All India Demand Diversity Factor	1.015
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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 :	10-Oct-18
SI No	Voltage Level	Line Details	Circuit	Max Import (MW)	Max Export (MW)	Import (MU)	Export (MU)	NET (MU)	
								Import=(+ve) /Export =(-ve) for NET (MU)	
Import/Export of ER (With NR)									
1	765kV	GAYA-VARANASI	D/C	483	41	4.7	0.0	4.7	
2		SASARAM-FATEHPUR	S/C	521	0	8.9	0.0	8.9	
3		GAYA-BALIA	S/C	19	181	0.0	1.5	-1.5	
4	HVDC	ALIPURDUAR-AGRA	-	0	1001	0.0	24.5	-24.5	
5		PUSAULI B/B	S/C	0	398	0.0	10.1	-10.1	
6	400 kV	PUSAULI-VARANASI	S/C	0	338	0.0	7.2	-7.2	
7		PUSAULI-ALLAHABAD	S/C	0	136	0.0	2.4	-2.4	
8		MUZAFFARPUR-GORAKHPUR	D/C	461	163	2.9	0.0	2.9	
9		PATNA-BALIA	Q/C	144	478	0.0	7.0	-7.0	
10		BIHARSHARIFF-BALIA	D/C	176	35	1.0	0.0	1.0	
11		MOTIHARI-GORAKHPUR	D/C	0	262	0.0	4.0	-4.0	
12		BIHARSHARIFF-VARANASI	D/C	434	0	5.5	0.0	5.5	
13	220 kV	PUSAULI-SAHUPURI	S/C	0	197	0.0	4.0	-4.0	
14	132 kV	SONE NAGAR-RIHAND	S/C	0	0	0.0	0.0	0.0	
15		GARWAH-RIHAND	S/C	0	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						23.6	60.6	-36.9	
Import/Export of ER (With WR)									
18	765 kV	JHARSUGUDA-DHARAMJAIGARH S/C	D/C	1232	0	25.2	0.0	25.2	
19		NEW RANCHI-DHARAMJAIGARH	D/C	598	14	8.7	0.0	8.7	
20	400 kV	JHARSUGUDA-RAIGARH	Q/C	727	0	14.3	0.0	14.3	
21		RANCHI-SIPAT	D/C	364	0	5.9	0.0	5.9	
22	220 kV	BUDHIPADAR-RAIGARH	S/C	0	2	0.0	0.0	0.0	
23		BUDHIPADAR-KORBA	D/C	253	0	4.6	0.0	4.6	
ER-WR						58.5	0.0	58.5	
Import/Export of ER (With SR)									
24	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	1484.0	0.0	22.4	-22.4	
25	HVDC	JEYPORE-GAZUWAKA B/B	D/C	0.0	414.0	0.0	9.8	-9.8	
26	LINK	TALCHER-KOLAR BIPOLE	D/C	0.0	1886.0	0.0	40.0	-40.0	
27	400 kV	TALCHER-I/C	D/C	0.0	949.0	0.0	10.9	-10.9	
28	220 kV	BALIMELA-UPPER-SILERRU	S/C	1.0	0.0	0.0	0.0	0.0	
ER-SR						0.0	72.1	-72.1	
Import/Export of ER (With NER)									
29	400 kV	BINAGURI-BONGAIGAON	D/C	0	642	0.0	11.1	-11	
30		ALIPURDUAR-BONGAIGAON	D/C	143	183	0.0	0.4	0	
31	220 kV	ALIPURDUAR-SALAKATI	D/C	0	122	0.0	1.8	-2	
ER-NER						0.0	13.3	-13.3	
Import/Export of NER (With NR)									
32	HVDC	BISWANATH CHARIALI-AGRA	-	0	704	0.0	16.8	-16.8	
NER-NR						0.0	16.8	-16.8	
Import/Export of WR (With NR)									
33	HVDC	CHAMPA-KURUKSHETRA	D/C	0	953	0.0	22.1	-22.1	
34		V'CHAL B/B	D/C	240	0	6.0	0.0	6.0	
35		APL -MHG	D/C	0	595	0.0	14.6	-14.6	
36	765 kV	GWALIOR-AGRA	D/C	0	561	0.0	15.4	-15.4	
37		PHAGI-GWALIOR	D/C	0	657	0.0	10.3	-10.3	
38		JABALPUR-ORAI	D/C	193	99	0.0	0.9	-0.9	
39		GWALIOR-ORAI	S/C	315	0	5.9	0.0	5.9	
40	400 kV	SATNA-ORAI	S/C	0	1419	0.0	31.7	-31.7	
41		ZERDA-KANKROLI	S/C	475	0	9.0	0.0	9.0	
42		ZERDA -BHINMAL	S/C	373	0	6.6	0.0	6.6	
43		V'CHAL -RIHAND	S/C	495	0	11.2	0.0	11.2	
44	220 kV	RAPP-SHUJALPUR	D/C	358	0	3	0	3	
45		BADOD-KOTA	S/C	96	0	2.3	0.0	2.3	
46		BADOD-MORAK	S/C	107	0	1.8	0.0	1.8	
47		MEHGAON-AURAIYA	S/C	158	0	3.0	0.0	3.0	
48	132kV	MALANPUR-AURAIYA	S/C	120	0	2.2	0.0	2.2	
49		GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0	
WR-NR						51.0	95.0	-44.1	
Import/Export of WR (With SR)									
50	HVDC	BHADRAWATI B/B	-	0	1002	0.0	22.3	-22.3	
51	LINK	BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0	
52	765 kV	SOLAPUR-RAICHUR	D/C	1201	818	4.3	0.0	4.3	
53		WARDHA-NIZAMABAD	D/C	0	2067	0.0	27.7	-27.7	
54	400 kV	KOLHAPUR-KUDGI	D/C	983	0	18.1	0.0	18.1	
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	80	1.2	0.0	1.2	
WR-SR						23.6	49.9	-26.3	
TRANSNATIONAL EXCHANGE									
58		BHUTAN						14.6	
59		NEPAL						-2.7	
60		BANGLADESH						-20.2	