



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: 8th 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 07.10.2018.

महोदय/Dear Sir,

आईईजीसी-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 07-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 7th 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

8-Oct-18

A. Maximum Demand

	NR	WR	SR	ER	NER	Total
Demand Met during Evening Peak hrs(MW) (at 1900 hrs: from RLDCs)	45264	51513	40365	21648	2587	161377
Peak Shortage (MW)	1210	0	0	406	89	1705
Energy Met (MU)	1064	1244	895	462	45	3710
Hydro Gen (MU)	212	42	89	103	19	464
Wind Gen (MU)	5	22	48	-----	-----	75
Solar Gen (MU)*	21.27	19.71	62.56	0.91	0.03	104
Energy Shortage (MU)	9.4	0.0	0.0	1.2	1.2	11.7
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	47877 19:03	54189 14:46	40123 18:58	21708 19:44	2618 17:57	163809 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	0.038	0.00	0.02	9.62	9.64	79.34	11.02

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	7116	0	165.2	50.4	-1.0	73	0.0	
	Haryana	6835	0	140.9	82.3	0.2	187	0.0	
	Rajasthan	9988	0	209.5	46.8	1.6	438	0.0	
	Delhi	3954	0	84.9	57.6	-0.2	127	0.0	
	UP	16543	0	360.7	145.3	0.2	343	0.0	
	Uttarakhand	1726	0	35.2	9.8	0.0	134	0.0	
	HP	1280	0	25.3	6.1	0.6	119	0.0	
	J&K	2003	501	38.9	32.6	-4.6	56	9.3	
	Chandigarh	176	0	3.3	3.9	-0.6	-6	0.0	
	WR	Chhattisgarh	4421	0	103.9	38.9	-1.6	1499	0.0
Gujarat		16818	0	385.5	111.1	9.3	811	0.0	
MP		9750	0	219.3	105.7	0.6	1788	0.0	
Maharashtra		22168	0	491.1	178.3	3.6	1564	0.0	
Goa		540	0	14.0	8.7	2.1	96	0.0	
DD		323	0	7.2	6.2	1.0	110	0.0	
DNH		743	0	17.3	16.7	0.6	90	0.0	
Essar steel		327	0	6.2	6.0	0.1	264	0.0	
SR		Andhra Pradesh	8214	0	186.5	52.5	1.6	391	0.0
		Telangana	10126	0	228.3	104.1	3.2	491	0.0
	Karnataka	8248	0	166.8	11.3	-1.6	495	0.0	
	Kerala	3227	0	63.1	29.0	0.6	227	0.0	
	Tamil Nadu	11488	0	244.2	141.8	0.4	473	0.0	
	Pondy	287	0	6.0	6.2	-0.2	31	0.0	
ER	Bihar	4885	0	95.0	95.1	-2.9	10	0.0	
	DVC	2918	0	62.7	-16.8	2.5	250	0.0	
	Jharkhand	1071	0	24.3	17.1	0.6	30	0.2	
	Odisha	5284	1	116.0	44.1	3.7	500	1.0	
	West Bengal	8256	0	162.7	49.9	1.9	550	0.0	
	Sikkim	74	0	0.9	1.0	-0.1	15	0.0	
NER	Arunachal Pradesh	125	4	2.3	2.3	0.0	212	0.0	
	Assam	1750	80	27.0	21.4	0.5	153	1.0	
	Manipur	170	5	3.1	2.4	0.7	27	0.0	
	Meghalaya	276	0	4.8	2.9	-0.1	202	0.0	
	Mizoram	87	2	1.6	0.7	0.5	13	0.0	
	Nagaland	116	1	2.3	1.8	0.0	11	0.0	
	Tripura	275	3	4.5	4.8	0.4	95	0.0	

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	17.8	-2.9	-21.1
Day peak (MW)	833.4	-148.0	-911.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	121.1	-136.7	33.0	-16.9	-0.2	0.4
Actual(MU)	105.5	-136.2	32.3	-10.3	0.1	-8.6
O/D/U/D(MU)	-15.7	0.5	-0.8	6.6	0.4	-8.9

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	3589	15422	7932	1100	305	28347
State Sector	7265	13582	7620	5695	50	34212
Total	10854	29004	15552	6795	354	62559

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Thermal (Coal & Lignite)	646	1191	569	377	5	2787
Hydro	212	42	89	103	19	464
Nuclear	23	12	34	0	0	69
Gas, Naptha & Diesel	51	98	24	0	27	200
RES (Wind, Solar, Biomass & Others)	45	43	149	1	0	238
Total	977	1385	864	480	50	3757

Share of RES in total generation (%)	4.58	3.11	17.24	0.19	0.06	6.33
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	28.65	6.96	31.46	21.59	37.09	20.51

H. Diversity Factor

All India Demand Diversity Factor	1.017
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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 : 8-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	409	0	4.8	0.0	4.8	
2		SASARAM-FATEHPUR	S/C	430	0	7.7	0.0	7.7	
3		GAYA-BALIA	S/C	38	139	0.0	1.5	-1.5	
4	HVDC	ALIPURDUAR-AGRA	-	0	801	0.0	19.3	-19.3	
5		PUSAULI B/B	S/C	0	397	0.0	9.7	-9.7	
6	400 kV	PUSAULI-VARANASI	S/C	0	308	0.0	6.9	-6.9	
7		PUSAULI -ALLAHABAD	S/C	0	140	0.0	2.6	-2.6	
8		MUZAFFARPUR-GORAKHPUR	D/C	389	257	0.5	0.0	0.5	
9		PATNA-BALIA	Q/C	0	430	0.0	6.5	-6.5	
10		BIHARSHARIFF-BALIA	D/C	146	69	0.5	0.0	0.5	
11		MOTIHARI-GORAKHPUR	D/C	0	211	0.0	4.1	-4.1	
12		BIHARSHARIFF-VARANASI	D/C	380	0	5.2	0.0	5.2	
13	220 kV	PUSAULI-SAHUPURI	S/C	0	192	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						19.4	54.5	-35.1	
Import/Export of ER (With WR)									
18	765 kV	JHARSUGUDA-DHARAMJAIGARH S/C	D/C	1197	0	21.4	0.0	21.4	
19		NEW RANCHI-DHARAMJAIGARH	D/C	680	8	9.5	0.0	9.5	
20	400 kV	JHARSUGUDA-RAIGARH	Q/C	742	0	14.1	0.0	14.1	
21		RANCHI-SIPAT	D/C	442	0	8.1	0.0	8.1	
22	220 kV	BUDHIPADAR-RAIGARH	S/C	0	2	0.0	0.0	0.0	
23		BUDHIPADAR-KORBA	D/C	232	0	0.0	0.0	0.0	
ER-WR						53.1	0.0	53.1	
Import/Export of ER (With SR)									
24	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	1551.0	0.0	24.3	-24.3	
25	HVDC	JEYPORE-GAZUWAKA B/B	D/C	0.0	507.0	0.0	9.1	-9.1	
26	LINK	TALCHER-KOLAR BIPOLE	D/C	0.0	835.0	0.0	13.2	-13.2	
27	400 kV	TALCHER-I/C	D/C	0.0	427.0	14.1	0.0	14.1	
28	220 kV	BALIMELA-UPPER-SILERRU	S/C	1.0	0.0	0.0	0.0	0.0	
ER-SR						0.0	46.7	-46.7	
Import/Export of ER (With NER)									
29	400 kV	BINAGURI-BONGAIGAON	D/C	0	597	0.0	11.0	-11	
30		ALIPURDUAR-BONGAIGAON	D/C	11	239	0.0	2.9	-3	
31	220 kV	ALIPURDUAR-SALAKATI	D/C	0	126	0.0	1.9	-2	
ER-NER						0.0	15.7	-15.7	
Import/Export of NER (With NR)									
32	HVDC	BISWANATH CHARIALI-AGRA	-	0	702	0.0	16.6	-16.6	
NER-NR						0.0	16.6	-16.6	
Import/Export of WR (With NR)									
33	HVDC	CHAMPA-KURUKSHETRA	D/C	0	1150	0.0	23.4	-23.4	
34		V'CHAL B/B	D/C	240	0	6.1	0.0	6.1	
35		APL -MHG	D/C	0	885	0.0	14.6	-14.6	
36		GWALIOR-AGRA	D/C	0	946	0.0	17.6	-17.6	
37	765 kV	PHAGI-GWALIOR	D/C	0	827	0.0	12.5	-12.5	
38		JABALPUR-ORAI	D/C	172	177	0.0	1.8	-1.8	
39		GWALIOR-ORAI	S/C	303	0	5.1	0.0	5.1	
40		SATNA-ORAI	S/C	0	1469	0.0	32.0	-32.0	
41		400 kV	ZERDA-KANKROLI	S/C	398	0	5.9	0.0	5.9
42			ZERDA -BHINMAL	S/C	262	0	2.6	0.0	2.6
43	V'CHAL -RIHAND		S/C	491	0	10.5	0.0	10.5	
44	RAPP-SHUJALPUR		D/C	314	0	2	0	2	
45	220 kV	BADOD-KOTA	S/C	72	0	1.9	0.0	1.9	
46		BADOD-MORAK	S/C	109	20	0.9	0.0	0.9	
47		MEHGAON-AURAIYA	S/C	130	0	2.1	0.0	2.1	
48	132kV	MALANPUR-AURAIYA	S/C	90	0	1.2	0.0	1.2	
49		GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0	
WR-NR						37.9	101.9	-63.9	
Import/Export of WR (With SR)									
50	HVDC	BHADRAWATI B/B	-	0	1002	0.0	17.1	-17.1	
51	LINK	BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0	
52	765 kV	SOLAPUR-RAICHUR	D/C	1477	767	9.0	0.0	9.0	
53		WARDHA-NIZAMABAD	D/C	0	2039	0.0	27.6	-27.6	
54	400 kV	KOLHAPUR-KUDGI	D/C	1192	0	20.4	0.0	20.4	
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	2	60	1.0	0.0	1.0	
WR-SR						30.4	44.6	-14.2	
TRANSNATIONAL EXCHANGE									
58		BHUTAN						17.8	
59		NEPAL						-2.9	
60		BANGLADESH						-21.1	