



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: 17th 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 16.10.2018.

महोदय/Dear Sir,

आईईजीसी-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 16-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 16th 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

17-Oct-18

A. Maximum Demand

	NR	WR	SR	ER	NER	Total
Demand Met during Evening Peak hrs(MW) (at 1900 hrs: from RLDCs)	46823	54229	41403	19691	2496	164642
Peak Shortage (MW)	1268	201	0	0	74	1543
Energy Met (MU)	984	1293	978	402	43	3700
Hydro Gen (MU)	175	38	97	73	20	403
Wind Gen (MU)	6	30	22	-----	-----	58
Solar Gen (MU)*	18.49	19.17	54.15	0.94	0.05	93
Energy Shortage (MU)	9.3	12.4	0.0	0.0	0.6	22.3
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	48289 18:41	58081 11:33	43731 11:46	20140 18:33	2478 17:45	167156 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	0.031	0.00	0.00	6.47	6.47	83.84	9.69

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	6026	0	137.2	45.4	0.1	142	0.0
	Haryana	6769	0	145.9	98.8	1.2	269	0.2
	Rajasthan	10566	0	220.6	34.3	5.6	552	0.0
	Delhi	3966	0	79.6	60.9	0.1	133	0.0
	UP	15949	800	295.3	111.4	-0.1	264	0.0
	Uttarakhand	1821	0	35.9	11.3	1.9	323	0.0
	HP	1462	0	27.2	11.7	1.2	145	0.0
	J&K	1910	478	38.6	37.2	-7.6	-174	9.2
WR	Chandigarh	187	0	3.4	3.7	-0.3	11	0.0
	Chhattisgarh	4406	0	100.9	28.6	-1.7	200	0.0
	Gujarat	17267	0	384.0	140.8	8.1	737	0.0
	MP	11386	0	249.1	134.6	-0.9	525	0.0
	Maharashtra	24922	814	516.3	202.2	1.6	622	12.4
	Goa	470	0	11.1	9.9	0.8	47	0.0
	DD	325	0	7.2	6.5	0.6	61	0.0
	DNH	761	0	17.6	16.5	1.1	99	0.0
SR	Essar steel	337	0	6.6	6.5	0.2	277	0.0
	Andhra Pradesh	9119	0	191.2	80.1	5.2	746	0.0
	Telangana	10510	0	218.8	93.0	3.8	533	0.0
	Karnataka	10024	0	194.3	43.6	0.3	424	0.0
	Kerala	3230	0	67.2	39.4	0.7	197	0.0
	Tamil Nadu	13520	0	299.0	149.2	-0.2	603	0.0
	Pondy	347	0	7.3	7.4	-0.1	38	0.0
	ER	Bihar	4596	0	81.3	79.8	-0.7	-
DVC		2914	0	62.5	-22.9	3.8	320	0.0
Jharkhand		995	0	24.3	13.6	0.1	-	0.0
Odisha		4866	0	96.5	40.5	0.7	350	0.0
West Bengal		6900	0	136.1	11.5	1.4	230	0.0
Sikkim		91	0	1.2	1.2	-0.1	-	0.0
NER	Arunachal Pradesh	112	3	2.2	2.1	0.1	24	0.0
	Assam	1565	62	25.7	20.1	0.2	181	0.4
	Manipur	167	2	2.2	2.4	-0.2	25	0.0
	Meghalaya	283	0	5.0	0.5	-0.1	30	0.0
	Mizoram	88	2	1.8	0.9	0.3	8	0.0
	Nagaland	118	3	2.4	1.6	0.3	13	0.0
Tripura	249	0	4.2	3.2	-0.4	28	0.1	

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	12.3	-1.8	-20.5
Day peak (MW)	724.1	-132.0	-929.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	130.2	-136.9	92.8	-80.2	-4.0	2.0
Actual(MU)	114.5	-131.3	100.5	-80.1	-6.5	-2.9
OD/UD(MU)	-15.7	5.6	7.7	0.0	-2.5	-4.9

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	3524	11379	6162	1010	306	22380
State Sector	8900	12312	6340	5295	50	32897
Total	12424	23691	12502	6305	356	55277

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Thermal (Coal & Lignite)	605	1271	607	429	5	2917
Hydro	175	41	97	73	20	407
Nuclear	24	27	34	0	0	84
Gas, Naptha & Diesel	53	62	25	0	29	168
RES (Wind, Solar, Biomass & Others)	43	37	122	1	0	203
Total	900	1438	884	503	54	3779

Share of RES in total generation (%)	4.79	2.57	13.80	0.19	0.09	5.37
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	26.87	7.32	28.60	14.70	37.63	18.37

H. Diversity Factor

All India Demand Diversity Factor	1.033
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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 :	17-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	13	395	0.0	4.7	-4.7	
2		SASARAM-FATEHPUR	S/C	285	22	4.5	0.0	4.5	
3		GAYA-BALIA	S/C	0	200	0.0	3.1	-3.1	
4	HVDC	ALIPURDUAR-AGRA	-	0	500	0.0	9.6	-9.6	
5		PUSAULI B/B	S/C	0	399	0.0	9.8	-9.8	
6	400 kV	PUSAULI-VARANASI	S/C	0	305	0.0	6.4	-6.4	
7		PUSAULI-ALLAHABAD	S/C	0	172	0.0	3.1	-3.1	
8		MUZAFFARPUR-GORAKHPUR	D/C	0	505	0.0	7.3	-7.3	
9		PATNA-BALIA	Q/C	0	764	0.0	13.2	-13.2	
10		BIHARSHARIFF-BALIA	D/C	0	189	0.0	3.3	-3.3	
11		MOTIHARI-GORAKHPUR	D/C	0	379	0.0	7.3	-7.3	
12		BIHARSHARIFF-VARANASI	D/C	161	102	0.0	0.0	0.0	
13	220 kV	PUSAULI-SAHUPURI	S/C	0	173	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	5.1	70.9	-65.8
Import/Export of ER (With WR)									
18	765 kV	JHARSUGUDA-DHARAMJAIGARH S/C	D/C	0	736	0.0	12.4	-12.4	
19		NEW RANCHI-DHARAMJAIGARH	D/C	144	546	0.0	6.3	-6.3	
20	400 kV	JHARSUGUDA-RAIGARH	Q/C	46	572	0.0	6.3	-6.3	
21		RANCHI-SIPAT	D/C	133	164	0.0	0.3	-0.3	
22	220 kV	BUDHIPADAR-RAIGARH	S/C	0	1	0.0	0.0	0.0	
23		BUDHIPADAR-KORBA	D/C	111	6	1.4	0.0	1.4	
						ER-WR	1.4	25.3	-23.9
Import/Export of ER (With SR)									
24	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	0.0	0.0	0.0	0.0	
25	HVDC	JEYPORE-GAZUWAKA B/B	D/C	0.0	632.0	0.0	15.4	-15.4	
26	LINK	TALCHER-KOLAR BIPOLE	D/C	1.0	0.0	0.0	0.0	0.0	
27	400 kV	TALCHER-I/C	D/C	200.0	0.0	32.9	0.0	32.9	
28	220 kV	BALIMELA-UPPER-SILERRU	S/C	1.0	0.0	0.0	0.0	0.0	
						ER-SR	0.0	15.4	-15.4
Import/Export of ER (With NER)									
29	400 kV	BINAGURI-BONGAIGAON	D/C	0	498	0.0	6.8	-7	
30		ALIPURDUAR-BONGAIGAON	D/C	50	306	0.0	2.5	-2	
31	220 kV	ALIPURDUAR-SALAKATI	D/C	0	105	0.0	1.1	-1	
						ER-NER	0.0	10.4	-10.4
Import/Export of NER (With NR)									
32	HVDC	BISWANATH CHARIALI-AGRA	-	0	703	0.0	17.9	-17.9	
						NER-NR	0.0	17.9	-17.9
Import/Export of WR (With NR)									
33	HVDC	CHAMPA-KURUKSHETRA	D/C	0	451	0.0	10.7	-10.7	
34		V'CHAL B/B	D/C	241	0	6.0	0.0	6.0	
35		APL -MHG	D/C	0	594	0.0	14.6	-14.6	
36	765 kV	GWALIOR-AGRA	D/C	0	483	0.0	14.1	-14.1	
37		PHAGI-GWALIOR	D/C	0	1058	0.0	14.5	-14.5	
38		JABALPUR-ORAI	D/C	301	54	0.0	3.1	-3.1	
39		GWALIOR-ORAI	S/C	448	0	4.4	0.0	4.4	
40		SATNA-ORAI	S/C	0	1565	0.0	31.6	-31.6	
41	400 kV	ZERDA-KANKROLI	S/C	516	0	9.1	0.0	9.1	
42		ZERDA -BHINMAL	S/C	394	0	6.5	0.0	6.5	
43		V'CHAL -RIHAND	S/C	490	0	10.8	0.0	10.8	
44		RAPP-SHUJALPUR	D/C	197	0	4	0	4	
45	220 kV	BADOD-KOTA	S/C	128	0	2.8	0.0	2.8	
46		BADOD-MORAK	S/C	124	0	2.2	0.0	2.2	
47		MEHGAON-AURAIYA	S/C	169	0	3.2	0.0	3.2	
48		MALANPUR-AURAIYA	S/C	105	0	1.3	0.0	1.3	
49	132kV	GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0	
						WR-NR	49.9	88.6	-38.7
Import/Export of WR (With SR)									
50	HVDC	BHADRAWATI B/B	-	0	999	0.0	23.9	-23.9	
51	LINK	BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0	
52	765 kV	SOLAPUR-RAICHUR	D/C	0	2478	0.0	43.4	-43.4	
53		WARDHA-NIZAMABAD	D/C	0	2979	0.0	57.8	-57.8	
54	400 kV	KOLHAPUR-KUDGI	D/C	521	0	7.7	0.0	7.7	
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	67	1.4	0.0	1.4	
						WR-SR	9.0	125.1	-116.1
TRANSNATIONAL EXCHANGE									
58		BHUTAN						12.3	
59		NEPAL						-1.8	
60		BANGLADESH						-20.5	