



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: 29th 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 28.10.2018.

महोदय/Dear Sir,

आईईजीसी-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 28-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 28th 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 29-Oct-18

A. Maximum Demand

	NR	WR	SR	ER	NER	Total
Demand Met during Evening Peak hrs(MW) (at 1900 hrs: from RLDCs)	40935	49752	41066	18702	2278	152733
Peak Shortage (MW)	460	0	0	0	90	550
Energy Met (MU)	900	1211	953	377	41	3483
Hydro Gen (MU)	148	15	83	56	14	316
Wind Gen (MU)	5	32	62	-----	-----	99
Solar Gen (MU)*	22.47	20.17	73.27	0.91	0.02	117
Energy Shortage (MU)	8.9	0.0	0.2	0.0	1.0	10.1
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	42426 18:30	54796 10:55	43708 12:58	18828 19:20	2372 17:40	154866 18:30

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	0.032	0.00	0.00	4.24	4.24	78.48	17.28

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	5475	0	127.7	36.7	-0.5	71	0.0	
	Haryana	5547	0	114.0	83.6	1.4	259	0.0	
	Rajasthan	10780	0	218.1	43.8	3.7	526	0.0	
	Delhi	3301	0	64.4	48.3	-0.4	200	0.1	
	UP	13034	0	277.9	112.0	0.1	348	0.0	
	Uttarakhand	1641	0	31.4	13.3	-1.2	107	0.0	
	HP	1361	0	25.9	14.3	0.7	177	0.0	
	J&K	2022	505	37.5	36.1	-6.1	48	8.9	
	Chandigarh	154	0	2.9	3.0	-0.2	10	0.0	
	WR	Chhattisgarh	3979	0	88.1	23.4	-1.5	226	0.0
Gujarat		15709	0	351.7	130.3	7.4	721	0.0	
MP		12018	0	257.3	152.5	-2.4	664	0.0	
Maharashtra		22097	0	477.5	168.0	-4.8	509	0.0	
Goa		470	0	9.2	8.9	-0.1	37	0.0	
DD		307	0	6.9	6.4	0.5	57	0.0	
DNH		674	0	15.7	14.9	0.8	188	0.0	
Essar steel		322	0	4.9	3.9	1.0	255	0.0	
SR		Andhra Pradesh	8874	0	188.8	58.4	2.7	1013	0.0
		Telangana	10324	0	212.1	92.9	1.3	671	0.0
	Karnataka	9574	0	194.8	38.7	0.1	688	0.0	
	Kerala	3371	0	65.2	38.9	1.0	312	0.2	
	Tamil Nadu	12939	0	286.0	139.1	0.8	555	0.0	
	Pondy	307	0	6.6	6.8	-0.2	27	0.0	
ER	Bihar	4373	0	78.3	75.0	0.9	100	0.0	
	DVC	3009	0	63.4	-21.8	1.4	280	0.0	
	Jharkhand	1044	0	23.0	16.1	0.3	110	0.0	
	Odisha	4333	0	89.6	38.3	1.0	220	0.0	
	West Bengal	6253	0	121.8	34.4	3.2	350	0.0	
	Sikkim	84	0	1.0	1.3	-0.3	20	0.0	
NER	Arumachal Pradesh	106	4	1.9	1.9	0.0	22	0.0	
	Assam	1449	41	25.1	19.1	1.3	123	0.8	
	Manipur	172	6	2.3	2.4	-0.1	23	0.0	
	Meghalaya	290	0	5.4	3.2	0.0	46	0.0	
	Mizoram	77	3	1.8	0.9	0.4	7	0.0	
	Nagaland	117	4	2.1	1.8	-0.1	40	0.0	
	Tripura	210	3	2.9	2.1	-0.6	52	0.1	

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	7.6	-1.8	-20.6
Day peak (MW)	413.6	-154.0	-878.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	118.7	-133.5	71.1	-55.5	-0.7	0.1
Actual(MU)	108.9	-143.7	74.0	-41.6	-2.1	-4.5
O/D/U/D(MU)	-9.8	-10.2	3.0	13.9	-1.5	-4.6

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	4395	12763	8372	1005	116	26651
State Sector	10485	13225	7170	6155	50	37085
Total	14880	25988	15542	7160	166	63736

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Thermal (Coal & Lignite)	553	1212	554	394	6	2719
Hydro	148	15	83	56	14	316
Nuclear	24	30	43	0	0	97
Gas, Naptha & Diesel	32	59	25	0	28	144
RES (Wind, Solar, Biomass & Others)	43	53	175	1	0	273
Total	801	1369	881	451	47	3549

Share of RES in total generation (%)	5.39	3.91	19.89	0.21	0.04	7.69
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	26.91	7.17	34.28	12.71	28.73	19.34

H. Diversity Factor

All India Demand Diversity Factor	1.047
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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 : 29-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	172	196	0.4	0.0	0.4	
2		SASARAM-FATEHPUR	S/C	322	2	3.8	0.0	3.8	
3		GAYA-BALIA	S/C	0	132	0.0	1.7	-1.7	
4		ALIPURDUAR-AGRA	-	0	300	0.0	6.6	-6.6	
5	400 kV	PUSAULI B/B	S/C	0	399	0.0	9.7	-9.7	
6		PUSAULI-VARANASI	S/C	0	295	0.0	6.3	-6.3	
7		PUSAULI -ALLAHABAD	S/C	0	196	0.0	3.3	-3.3	
8		MUZAFFARPUR-GORAKHPUR	D/C	183	229	0.3	0.0	0.3	
9		PATNA-BALIA	Q/C	0	553	0.0	10.4	-10.4	
10		BIHARSHARIFF-BALIA	D/C	89	61	0.4	0.0	0.4	
11		MOTIHARI-GORAKHPUR	D/C	0	297	0.0	5.9	-5.9	
12		BIHARSHARIFF-VARANASI	D/C	276	0	3.4	0.0	3.4	
13	220 kV	PUSAULI-SAHUPURI	S/C	0	154	0.0	3.0	-3.0	
14	132 kV	SONE NAGAR-RIHAND	S/C	0	0	0.0	0.0	0.0	
15		GARWAH-RIHAND	S/C	25	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						8.9	46.9	-38.0	
Import/Export of ER (With WR)									
18	765 kV	JHARSUGUDA-DHARAMJAIGARH S/C	D/C	818	0	11.3	0.0	11.3	
19		NEW RANCHI-DHARAMJAIGARH	D/C	441	322	1.7	0.0	1.7	
20	400 kV	JHARSUGUDA-RAIGARH	Q/C	676	0	7.7	0.0	7.7	
21		RANCHI-SIPAT	D/C	249	11	3.6	0.0	3.6	
22	220 kV	BUDHIPADAR-RAIGARH	S/C	0	1	0.0	0.0	0.0	
23		BUDHIPADAR-KORBA	D/C	192	0	3.2	0.0	3.2	
ER-WR						27.4	0.0	27.4	
Import/Export of ER (With SR)									
24	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	1676.0	0.0	30.1	-30.1	
25	HVDC	JEYPORE-GAZUWAKA B/B	D/C	0.0	661.0	0.0	14.4	-14.4	
26	LINK	TALCHER-KOLAR BIPOLE	D/C	13.0	1492.0	0.0	18.3	-18.3	
27	400 kV	TALCHER-I/C	D/C	207.0	730.0	18.6	0.0	18.6	
28	220 kV	BALIMELA-UPPER-SILERRU	S/C	1.0	0.0	0.0	0.0	0.0	
ER-SR						0.0	62.8	-62.8	
Import/Export of ER (With NER)									
29	400 kV	BINAGURI-BONGAIGAON	D/C	0	501	0.0	8.1	-8	
30		ALIPURDUAR-BONGAIGAON	D/C	0	367	0.0	5.0	-5	
31	220 kV	ALIPURDUAR-SALAKATI	D/C	0	115	0.0	1.6	-2	
ER-NER						0.0	14.7	-14.7	
Import/Export of NER (With NR)									
32	HVDC	BISWANATH CHARIALI-AGRA	-	0	703	0.0	17.0	-17.0	
NER-NR						0.0	17.0	-17.0	
Import/Export of WR (With NR)									
33	HVDC	CHAMPA-KURUKSHETRA	D/C	0	1004	0.0	22.7	-22.7	
34		V'CHAL B/B	D/C	241	0	6.0	0.0	6.0	
35		APL -MHG	D/C	0	982	0.0	17.2	-17.2	
36		GWALIOR-AGRA	D/C	0	670	0.0	21.6	-21.6	
37	765 kV	PHAGI-GWALIOR	D/C	0	1090	0.0	15.6	-15.6	
38		JABALPUR-ORAI	D/C	273	149	0.5	0.3	0.1	
39		GWALIOR-ORAI	S/C	498	0	8.2	0.0	8.2	
40		SATNA-ORAI	S/C	0	1539	0.0	33.7	-33.7	
41		400 kV	ZERDA-KANKROLI	S/C	425	0	6.9	0.0	6.9
42			ZERDA -BHINMAL	S/C	345	36	3.3	0.0	3.3
43	V'CHAL -RIHAND		S/C	487	0	11.2	0.0	11.2	
44	RAPP-SHUJALPUR		D/C	477	0	4	0	4	
45	220 kV	BADOD-KOTA	S/C	78	0	2.3	0.0	2.3	
46		BADOD-MORAK	S/C	93	12	0.8	0.0	0.8	
47		MEHGAON-AURAIYA	S/C	111	0	1.6	0.0	1.6	
48	132kV	MALANPUR-AURAIYA	S/C	75	0	1.0	0.0	1.0	
49		GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0	
WR-NR						45.8	111.2	-65.4	
Import/Export of WR (With SR)									
50	HVDC	BHADRAWATI B/B	-	0	995	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	302	1041	0.0	10.9	-10.9	
53		WARDHA-NIZAMABAD	D/C	0	1695	0.0	28.3	-28.3	
54	400 kV	KOLHAPUR-KUDGI	D/C	866	0	13.0	0.0	13.0	
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	58	1.1	0.0	1.1	
WR-SR						14.1	63.1	-49.0	
TRANSNATIONAL EXCHANGE									
58		BHUTAN						7.6	
59		NEPAL						-1.8	
60		BANGLADESH						-20.6	