



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: 18th 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 17.10.2018.

महोदय/Dear Sir,

आईईंजींसीं-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 17-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 17th 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

18-Oct-18

A. Maximum Demand

	NR	WR	SR	ER	NER	Total
Demand Met during Evening Peak hrs(MW) (at 1900 hrs: from RLDCs)	45884	53546	40031	19237	2361	161059
Peak Shortage (MW)	1660	272	0	0	26	1958
Energy Met (MU)	1013	1279	922	396	42	3651
Hydro Gen (MU)	176	33	84	74	18	385
Wind Gen (MU)	7	14	17	-----	-----	38
Solar Gen (MU)*	18.41	16.90	51.75	0.73	0.05	88
Energy Shortage (MU)	14.7	12.9	0.0	0.0	0.6	28.2
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	47324 18:39	57651 11:00	40584 09:45	19984 19:40	2454 18:16	162610 18:48

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	0.022	0.00	0.00	2.55	2.55	86.70	10.75

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	6212	0	140.6	43.4	0.2	126	0.0	
	Haryana	6704	0	146.0	100.2	1.6	314	4.8	
	Rajasthan	10685	0	221.4	36.2	2.5	422	0.0	
	Delhi	3970	0	80.9	62.9	0.3	160	0.0	
	UP	15095	1180	317.8	113.5	1.2	324	0.0	
	Uttarakhand	1781	0	36.0	12.5	0.7	172	0.5	
	HP	1440	0	27.4	12.1	1.5	161	0.0	
	J&K	1985	496	38.9	35.3	-6.0	171	9.3	
	Chandigarh	186	0	3.4	3.3	0.1	22	0.0	
	WR	Chhattisgarh	4404	0	100.7	28.0	-1.9	122	0.0
Gujarat		16514	0	370.5	133.9	6.6	674	0.0	
MP		11560	0	253.3	142.7	-0.4	319	0.0	
Maharashtra		24687	834	511.7	209.2	1.1	564	12.9	
Goa		470	0	11.1	10.2	0.5	29	0.0	
DD		311	0	7.1	6.7	0.4	58	0.0	
DNH		743	0	17.6	16.9	0.6	70	0.0	
Essar steel		408	0	6.8	6.7	0.2	300	0.0	
SR		Andhra Pradesh	8642	0	183.2	81.9	3.2	1043	0.0
		Telangana	9750	0	207.6	92.7	0.8	608	0.0
	Karnataka	8508	0	169.2	38.8	0.1	380	0.0	
	Kerala	3519	0	67.6	40.8	0.4	183	0.0	
	Tamil Nadu	13085	0	286.8	143.1	-0.2	602	0.0	
	Pondy	333	0	7.2	7.5	-0.3	26	0.0	
ER	Bihar	4584	0	82.2	80.4	-0.8	385	0.0	
	DVC	2961	0	63.1	-21.8	4.0	445	0.0	
	Jharkhand	999	0	24.6	14.2	-0.6	125	0.0	
	Odisha	4917	0	99.9	41.2	2.2	320	0.0	
	West Bengal	6637	0	125.6	4.4	-0.7	425	0.0	
	Sikkim	84	0	1.1	1.2	-0.1	20	0.0	
NER	Arunachal Pradesh	125	2	2.3	2.1	0.2	30	0.0	
	Assam	1460	34	24.0	18.3	0.9	152	0.4	
	Manipur	163	2	2.3	2.2	0.1	49	0.0	
	Meghalaya	289	0	5.0	1.7	0.1	77	0.0	
	Mizoram	83	4	1.9	0.8	0.5	11	0.0	
	Nagaland	113	2	2.5	1.6	0.4	14	0.0	
	Tripura	251	1	4.1	2.6	0.3	128	0.1	

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	10.6	-1.4	-21.1
Day peak (MW)	651.3	-86.0	-922.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	146.6	-135.5	85.0	-91.6	-2.7	1.7
Actual(MU)	136.9	-140.9	88.3	-87.0	-2.2	-4.9
O/D/U/D(MU)	-9.7	-5.4	3.4	4.6	0.5	-6.6

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	4024	11783	5662	1010	306	22785
State Sector	8690	13280	7430	5085	50	34535
Total	12714	25063	13092	6095	356	57319

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Thermal (Coal & Lignite)	617	1272	587	420	4	2900
Hydro	176	33	84	74	18	385
Nuclear	24	27	34	0	0	85
Gas, Naptha & Diesel	51	59	22	0	26	158
RES (Wind, Solar, Biomass & Others)	43	31	114	1	0	190
Total	911	1423	841	495	48	3718

Share of RES in total generation (%)	4.76	2.20	13.62	0.16	0.10	5.11
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	26.75	6.45	27.58	15.08	37.21	17.75

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 : 18-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	75	474	0.0	6.4	-6.4	
2		SASARAM-FATEHPUR	S/C	280	63	1.2	0.0	1.2	
3		GAYA-BALIA	S/C	0	229	0.0	4.2	-4.2	
4		ALIPURDUAR-AGRA	-	0	500	0.0	12.4	-12.4	
5	400 kV	PUSAULI B/B	S/C	0	399	0.0	9.5	-9.5	
6		PUSAULI-VARANASI	S/C	0	284	0.0	5.9	-5.9	
7		PUSAULI -ALLAHABAD	S/C	0	190	0.0	3.5	-3.5	
8		MUZAFFARPUR-GORAKHPUR	D/C	0	514	0.0	7.0	-7.0	
9		PATNA-BALIA	Q/C	0	812	0.0	15.0	-15.0	
10		BIHARSHARIFF-BALIA	D/C	0	228	0.0	3.6	-3.6	
11		MOTIHARI-GORAKHPUR	D/C	0	389	0.0	7.6	-7.6	
12		BIHARSHARIFF-VARANASI	D/C	171	163	0.0	1.1	-1.1	
13		220 kV	PUSAULI-SAHUPURI	S/C	0	180	0.0	3.4	-3.4
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						1.8	79.5	-77.7	
Import/Export of ER (With WR)									
18	765 kV	JHARSUGUDA-DHARAMJAIGARH S/C	D/C	700	793	0.0	6.6	-6.6	
19		NEW RANCHI-DHARAMJAIGARH	D/C	274	495	0.0	3.3	-3.3	
20	400 kV	JHARSUGUDA-RAIGARH	Q/C	431	459	0.0	3.3	-3.3	
21		RANCHI-SIPAT	D/C	231	157	0.2	0.0	0.2	
22	220 kV	BUDHIPADAR-RAIGARH	S/C	0	1	0.0	0.0	0.0	
23		BUDHIPADAR-KORBA	D/C	162	6	1.8	0.0	1.8	
ER-WR						2.0	13.2	-11.3	
Import/Export of ER (With SR)									
24	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	1059.0	0.0	8.4	-8.4	
25	HVDC	JEYPORE-GAZUWAKA B/B	D/C	0.0	634.0	0.0	14.4	-14.4	
26	LINK	TALCHER-KOLAR BIPOLE	D/C	50.0	576.0	0.0	3.4	-3.4	
27	400 kV	TALCHER-I/C	D/C	190.0	273.0	29.1	0.0	29.1	
28	220 kV	BALIMELA-UPPER-SILERRU	S/C	1.0	0.0	0.0	0.0	0.0	
ER-SR						0.0	26.2	-26.2	
Import/Export of ER (With NER)									
29	400 kV	BINAGURI-BONGAIGAON	D/C	0	603	0.0	8.4	-8	
30		ALIPURDUAR-BONGAIGAON	D/C	41	430	0.0	3.5	-4	
31	220 kV	ALIPURDUAR-SALAKATI	D/C	0	128	0.0	1.7	-2	
ER-NER						0.0	13.6	-13.6	
Import/Export of NER (With NR)									
32	HVDC	BISWANATH CHARIALI-AGRA	-	0	704	0.0	16.9	-16.9	
NER-NR						0.0	16.9	-16.9	
Import/Export of WR (With NR)									
33	HVDC	CHAMPA-KURUKSHETRA	D/C	0	451	0.0	10.6	-10.6	
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	561	0.0	19.9	-19.9
37			PHAGI-GWALIOR	D/C	0	1057	0.0	17.0	-17.0
38			JABALPUR-ORAI	D/C	164	131	0.8	0.2	0.6
39			GWALIOR-ORAI	S/C	437	0	8.1	0.0	8.1
40			SATNA-ORAI	S/C	0	1571	0.0	35.5	-35.5
41			ZERDA-KANKROLI	S/C	488	0	8.0	0.0	8.0
42		400 kV	ZERDA -BHINMAL	S/C	372	0	5.5	0.0	5.5
43			V'CHAL -RIHAND	S/C	485	0	11.3	0.0	11.3
44			RAPP-SHUJALPUR	D/C	197	0	0	4	-4
45	220 kV	BADOD-KOTA	S/C	119	0	2.7	0.0	2.7	
46		BADOD-MORAK	S/C	123	0	2.1	0.0	2.1	
47		MEHGAON-AURAIYA	S/C	168	0	2.7	0.0	2.7	
48		MALANPUR-AURAIYA	S/C	124	0	1.9	0.0	1.9	
49	132kV	GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0	
WR-NR						49.0	101.5	-52.5	
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	1965	0.0	31.3	-31.3	
53		WARDHA-NIZAMABAD	D/C	0	2857	0.0	56.2	-56.2	
54	400 kV	KOLHAPUR-KUDGI	D/C	671	0	10.8	0.0	10.8	
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	1	60	1.1	0.0	1.1	
WR-SR						12.0	111.4	-99.4	
TRANSNATIONAL EXCHANGE									
58		BHUTAN						10.6	
59		NEPAL						-1.4	
60		BANGLADESH						-21.1	