



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: 24th 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 23.10.2018.

महोदय/Dear Sir,

आईईंजींसीं-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 23-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 23rd 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 24-Oct-18

A. Maximum Demand

	NR	WR	SR	ER	NER	Total
Demand Met during Evening Peak hrs(MW) (at 1900 hrs: from RLDCs)	43719	53634	43055	20492	2477	163377
Peak Shortage (MW)	1158	314	0	665	52	2189
Energy Met (MU)	951	1277	984	414	43	3669
Hydro Gen (MU)	160	33	114	76	16	400
Wind Gen (MU)	3	22	14	-----	-----	39
Solar Gen (MU)*	22.05	20.35	67.29	1.48	0.00	111
Energy Shortage (MU)	9.0	14.2	0.0	0.8	0.8	24.8
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	45072 18:57	57005 14:44	43912 18:35	20514 19:35	2520 18:31	164746 18:35

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	0.118	0.05	7.69	29.91	37.64	60.25	2.11

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	5854	0	128.7	32.8	0.0	109	0.0	
	Haryana	6542	0	135.0	95.6	0.4	214	0.1	
	Rajasthan	10798	0	216.2	33.2	0.7	296	0.0	
	Delhi	3720	0	72.7	56.4	-0.9	74	0.0	
	UP	14023	210	296.0	115.4	-0.9	304	0.0	
	Uttarakhand	1825	0	34.8	13.4	1.0	237	0.0	
	HP	1442	0	26.8	13.7	1.1	165	0.1	
	J&K	2269	567	37.6	34.7	-5.3	303	8.9	
	Chandigarh	179	0	3.3	3.3	0.0	28	0.0	
	WR	Chhattisgarh	4317	0	96.7	27.7	-0.8	301	0.0
Gujarat		16564	0	367.3	124.4	6.3	553	0.0	
MP		11683	0	255.3	141.6	-0.9	466	0.0	
Maharashtra		24922	862	513.4	200.3	-1.8	550	14.2	
Goa		470	0	9.3	9.9	-1.0	71	0.0	
DD		326	0	7.2	6.4	0.8	104	0.0	
DNH		737	0	17.3	16.6	0.7	76	0.0	
Essar steel		510	0	10.2	9.5	0.7	282	0.0	
SR		Andhra Pradesh	9156	0	191.3	70.5	7.3	498	0.0
		Telangana	10280	0	223.9	112.3	3.0	496	0.0
	Karnataka	9772	0	199.9	45.6	2.6	493	0.0	
	Kerala	3621	0	69.6	44.5	0.6	321	0.0	
	Tamil Nadu	13739	0	292.3	141.9	1.3	494	0.0	
	Pondy	340	0	6.9	7.1	-0.2	34	0.0	
	ER	Bihar	4578	0	84.8	80.7	0.7	200	0.0
DVC		2707	-465	54.9	-17.8	3.6	525	1.4	
Jharkhand		1277	0	24.3	13.9	0.1	75	0.0	
Odisha		4842	-200	100.6	36.1	2.0	200	-0.6	
West Bengal		7848	0	148.5	44.7	2.7	250	0.0	
Sikkim		92	0	1.3	1.2	0.1	15	0.0	
NER	Arumachal Pradesh	112	3	2.3	1.8	0.5	81	0.0	
	Assam	1547	36	25.6	19.5	1.2	240	0.7	
	Manipur	186	2	2.5	2.4	0.1	28	0.0	
	Meghalaya	299	0	5.2	1.6	-0.1	56	0.0	
	Mizoram	76	1	1.4	0.7	0.2	31	0.0	
	Nagaland	115	2	2.2	1.7	0.1	8	0.0	
	Tripura	253	1	3.9	2.6	0.4	63	0.0	

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	10.5	-2.5	-17.3
Day peak (MW)	611.0	-126.0	-772.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	114.0	-171.1	105.6	-46.5	-2.0	0.0
Actual(MU)	93.3	-173.2	122.9	-38.1	-2.0	3.0
O/D/U/D(MU)	-20.7	-2.1	17.3	8.4	0.1	2.9

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	3814	11713	8082	1510	306	25424
State Sector	9085	12750	7480	6490	50	35855
Total	12899	24463	15562	8000	356	61279

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Thermal (Coal & Lignite)	609	1301	565	397	49	2920
Hydro	160	33	114	76	0	384
Nuclear	24	27	43	0	0	94
Gas, Naptha & Diesel	48	66	25	0	0	139
RES (Wind, Solar, Biomass & Others)	42	43	121	2	0	208
Total	882	1471	868	474	49	3745

Share of RES in total generation (%)	4.76	2.93	13.99	0.32	0.00	5.56
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	25.62	7.07	32.03	16.41	0.00	18.32

H. Diversity Factor

All India Demand Diversity Factor	1.026
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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 : 24-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	480	159	2.0	0.0	2.0	
2		SASARAM-FATEHPUR	S/C	436	0	6.1	0.0	6.1	
3		GAYA-BALIA	S/C	60	132	0.0	1.4	-1.4	
4		ALIPURDUAR-AGRA	-	0	376	0.0	8.9	-8.9	
5	400 kV	PUSAULI B/B	S/C	0	399	0.0	9.8	-9.8	
6		PUSAULI-VARANASI	S/C	0	329	0.0	6.8	-6.8	
7		PUSAULI -ALLAHABAD	S/C	0	155	0.0	2.7	-2.7	
8		MUZAFFARPUR-GORAKHPUR	D/C	336	324	0.0	0.8	-0.8	
9		PATNA-BALIA	Q/C	0	652	0.0	10.0	-10.0	
10		BIHARSHARIFF-BALIA	D/C	154	122	0.0	0.7	-0.7	
11		MOTIHARI-GORAKHPUR	D/C	0	318	0.0	5.7	-5.7	
12		BIHARSHARIFF-VARANASI	D/C	400	0	4.3	0.0	4.3	
13		220 kV	PUSAULI-SAHUPURI	S/C	2	157	0.0	3.1	-3.1
14			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		132 kV	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						12.9	49.9	-36.9	
Import/Export of ER (With WR)									
18	765 kV	JHARSUGUDA-DHARAMJAIGARH S/C	D/C	0	0	0.0	0.0	0.0	
19		NEW RANCHI-DHARAMJAIGARH	D/C	841	172	11.6	0.0	11.6	
20	400 kV	JHARSUGUDA-RAIGARH	Q/C	1597	0	29.5	0.0	29.5	
21		RANCHI-SIPAT	D/C	370	0	4.6	0.0	4.6	
22	220 kV	BUDHIPADAR-RAIGARH	S/C	0	1	0.0	0.0	0.0	
23		BUDHIPADAR-KORBA	D/C	258	0	4.9	0.0	4.9	
ER-WR						50.6	0.0	50.6	
Import/Export of ER (With SR)									
24	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	1758.0	0.0	30.0	-30.0	
25	HVDC	JEYPORE-GAZUWAKA B/B	D/C	0.0	610.0	0.0	14.6	-14.6	
26	LINK	TALCHER-KOLAR BIPOLE	D/C	0.0	1493.0	0.0	40.7	-40.7	
27	400 kV	TALCHER-1/C	D/C	0.0	792.0	0.0	4.0	-4.0	
28	220 kV	BALIMELA-UPPER-SILERRU	S/C	1.0	0.0	0.0	0.0	0.0	
ER-SR						0.0	85.3	-85.3	
Import/Export of ER (With NER)									
29	400 kV	BINAGURI-BONGAIGAON	D/C	0	502	0.0	6.9	-7	
30		ALIPURDUAR-BONGAIGAON	D/C	0	362	0.0	3.7	-4	
31	220 kV	ALIPURDUAR-SALAKATI	D/C	0	114	0.0	1.5	-2	
ER-NER						0.0	12.2	-12.2	
Import/Export of NER (With NR)									
32	HVDC	BISWANATH CHARIALI-AGRA	-	0	703	0.0	15.0	-15.0	
NER-NR						0.0	15.0	-15.0	
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	595	0.0	14.6	-14.6	
36		GWALIOR-AGRA	D/C	0	737	0.0	22.5	-22.5	
37	765 kV	PHAGI-GWALIOR	D/C	0	1140	0.0	14.6	-14.6	
38		JABALPUR-ORAI	D/C	315	204	0.0	0.9	-0.9	
39		GWALIOR-ORAI	S/C	416	0	7.8	0.0	7.8	
40		SATNA-ORAI	S/C	0	1640	0.0	35.3	-35.3	
41		400 kV	ZERDA-KANKROLI	S/C	414	0	6.9	0.0	6.9
42			ZERDA -BHINMAL	S/C	339	33	4.8	0.0	4.8
43			V'CHAL -RIHAND	S/C	496	0	11.4	0.0	11.4
44			RAPP-SHUJALPUR	D/C	581	0	4	0	4
45	220 kV	BADOD-KOTA	S/C	92	54	2.2	0.0	2.2	
46		BADOD-MORAK	S/C	48	67	0.0	0.7	-0.7	
47		MEHGAON-AURAIYA	S/C	111	0	2.2	0.0	2.2	
48	132kV	MALANPUR-AURAIYA	S/C	89	0	1.4	0.0	1.4	
49		GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0	
WR-NR						47.2	99.4	-52.2	
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	23	1918	0.0	20.0	-20.0	
53		WARDHA-NIZAMABAD	D/C	0	2568	0.0	42.3	-42.3	
54	400 kV	KOLHAPUR-KUDGI	D/C	856	0	13.3	0.0	13.3	
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	66	1.2	0.0	1.2	
WR-SR						14.5	86.2	-71.7	
TRANSNATIONAL EXCHANGE									
58		BHUTAN						10.5	
59		NEPAL						-2.5	
60		BANGLADESH						-17.3	