



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: 25th 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 24.10.2018.

महोदय/Dear Sir,

आईईंजींसीं-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 24-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 24th 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 25-Oct-18

A. Maximum Demand

	NR	WR	SR	ER	NER	Total
Demand Met during Evening Peak hrs(MW) (at 1900 hrs: from RLDCs)	43222	52272	44142	19801	2515	161952
Peak Shortage (MW)	1640	0	0	587	37	2264
Energy Met (MU)	949	1264	992	418	43	3666
Hydro Gen (MU)	152	33	100	75	16	376
Wind Gen (MU)	7	19	25	-----	-----	51
Solar Gen (MU)*	21.79	19.91	60.72	0.78	0.05	103
Energy Shortage (MU)	9.3	2.3	0.0	-0.7	0.9	11.8
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	44685 18:34	56168 10:55	44057 18:34	20019 18:10	2469 19:23	163951 18:32

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	0.044	0.00	0.59	9.33	9.92	82.05	8.03

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	5879	0	122.4	32.1	0.1	125	0.0	
	Haryana	6509	0	134.7	95.2	0.9	167	0.0	
	Rajasthan	11026	0	219.3	34.8	1.4	440	0.0	
	Delhi	3761	0	73.8	55.1	0.1	177	0.0	
	UP	13726	0	293.0	115.7	0.1	185	0.0	
	Uttarakhand	1801	0	35.9	14.8	1.3	165	0.0	
	HP	1455	0	27.9	14.6	1.7	284	0.1	
	J&K	2130	532	39.0	35.8	-4.8	232	9.3	
	Chandigarh	175	0	3.3	2.8	0.5	59	0.0	
	WR	Chhattisgarh	4157	0	93.3	27.3	-1.0	174	0.0
Gujarat		16150	0	363.6	103.7	7.2	437	0.0	
MP		11864	0	257.4	144.6	1.3	632	0.0	
Maharashtra		23704	0	509.2	201.2	-2.9	528	2.3	
Goa		470	0	9.3	10.1	-1.2	84	0.0	
DD		326	0	7.3	6.5	0.8	116	0.0	
DNH		734	0	17.0	16.4	0.5	68	0.0	
Essar steel		388	0	7.4	7.2	0.2	244	0.0	
SR		Andhra Pradesh	9114	0	194.3	68.4	2.6	833	0.0
		Telangana	9683	0	216.0	113.4	0.2	721	0.0
	Karnataka	9924	0	204.0	49.3	2.3	588	0.0	
	Kerala	3659	0	69.9	41.8	0.8	340	0.0	
	Tamil Nadu	14540	0	300.4	150.4	2.3	490	0.0	
	Pondy	345	0	7.0	7.3	-0.3	20	0.0	
ER	Bihar	4416	0	79.7	78.4	-1.2	0	0.0	
	DVC	2702	171	59.2	-20.7	5.7	350	0.5	
	Jharkhand	1124	166	22.5	14.1	1.4	200	-0.5	
	Odisha	4883	250	110.8	37.7	1.3	350	-0.8	
	West Bengal	7413	0	144.1	42.8	4.3	500	0.0	
	Sikkim	100	0	1.4	1.1	0.3	30	0.0	
NER	Arumachal Pradesh	108	4	2.2	1.8	0.4	19	0.0	
	Assam	1572	25	25.5	19.7	1.1	199	0.6	
	Manipur	184	2	2.2	2.3	-0.1	70	0.0	
	Meghalaya	292	0	5.3	2.1	0.1	52	0.0	
	Mizoram	81	1	1.6	0.8	0.2	14	0.0	
	Nagaland	116	2	2.3	1.8	0.2	24	0.0	
	Tripura	246	0	4.0	2.4	0.5	59	0.2	

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	8.7	-4.1	-20.8
Day peak (MW)	538.7	-144.0	-918.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	117.4	-181.5	110.5	-45.0	-1.5	-0.2
Actual(MU)	97.2	-185.1	119.0	-33.1	-1.1	-3.1
O/D/U/D(MU)	-20.2	-3.7	8.5	11.9	0.4	-3.0

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	3692	11713	7872	1010	306	24593
State Sector	9665	11963	5590	6490	50	33758
Total	13357	23676	13462	7500	356	58350

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Thermal (Coal & Lignite)	597	1284	583	389	4	2858
Hydro	152	33	100	75	16	376
Nuclear	24	27	45	0	0	97
Gas, Naptha & Diesel	55	79	25	0	29	188
RES (Wind, Solar, Biomass & Others)	46	40	125	1	0	212
Total	875	1463	878	465	48	3730

Share of RES in total generation (%)	5.28	2.74	14.19	0.18	0.10	5.68
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	25.48	6.84	30.76	16.23	32.49	18.35

H. Diversity Factor

All India Demand Diversity Factor	1.021
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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 : 25-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	516	84	4.2	0.0	4.2	
2		SASARAM-FATEHPUR	S/C	357	0	6.7	0.0	6.7	
3		GAYA-BALIA	S/C	89	124	0.0	0.8	-0.8	
4	HVDC	ALIPURDUAR-AGRA	-	0	376	0.0	9.0	-9.0	
5		PUSAULI B/B	S/C	0	399	0.0	9.5	-9.5	
6	400 kV	PUSAULI-VARANASI	S/C	0	332	0.0	6.9	-6.9	
7		PUSAULI -ALLAHABAD	S/C	0	137	0.0	2.4	-2.4	
8		MUZAFFARPUR-GORAKHPUR	D/C	373	128	0.8	0.0	0.8	
9		PATNA-BALIA	Q/C	0	519	0.0	8.5	-8.5	
10		BIHARSHARIFF-BALIA	D/C	164	37	1.7	0.0	1.7	
11		MOTIHARI-GORAKHPUR	D/C	0	275	0.0	5.4	-5.4	
12		BIHARSHARIFF-VARANASI	D/C	423	0	5.6	0.0	5.6	
13	220 kV	PUSAULI-SAHUPURI	S/C	0	159	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	25	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						19.6	45.6	-26.1	
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	790	0	11.7	0.0	11.7	
20	400 kV	JHARSUGUDA-RAIGARH	Q/C	1646	0	31.2	0.0	31.2	
21		RANCHI-SIPAT	D/C	360	0	2.9	0.0	2.9	
22	220 kV	BUDHIPADAR-RAIGARH	S/C	0	1	0.0	0.0	0.0	
23		BUDHIPADAR-KORBA	D/C	274	0	5.2	0.0	5.2	
ER-WR						50.9	0.0	50.9	
Import/Export of ER (With SR)									
24	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	1502.0	0.0	27.4	-27.4	
25	HVDC	JEYPORE-GAZUWAKA B/B	D/C	0.0	621.0	0.0	14.6	-14.6	
26	LINK	TALCHER-KOLAR BIPOLE	D/C	0.0	1493.0	0.0	47.5	-47.5	
27	400 kV	TALCHER-1/C	D/C	0.0	751.0	0.0	9.0	-9.0	
28	220 kV	BALIMELA-UPPER-SILERRU	S/C	1.0	0.0	0.0	0.0	0.0	
ER-SR						0.0	89.5	-89.5	
Import/Export of ER (With NER)									
29	400 kV	BINAGURI-BONGAIGAON	D/C	0	597	0.0	9.0	-9	
30		ALIPURDUAR-BONGAIGAON	D/C	0	431	0.0	5.1	-5	
31	220 kV	ALIPURDUAR-SALAKATI	D/C	0	129	0.0	1.6	-2	
ER-NER						0.0	15.7	-15.7	
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	1300	0.0	14.1	-14.1	
34		V'CHAL B/B	D/C	242	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	782	0.0	23.8	-23.8	
37	765 kV	PHAGI-GWALIOR	D/C	7	1226	0.0	15.3	-15.3	
38		JABALPUR-ORAI	D/C	367	227	0.0	0.4	-0.4	
39		GWALIOR-ORAI	S/C	405	0	6.3	0.0	6.3	
40		SATNA-ORAI	S/C	0	1703	0.0	37.3	-37.3	
41		400 kV	ZERDA-KANKROLI	S/C	392	8	3.7	0.0	3.7
42			ZERDA -BHINMAL	S/C	353	81	4.3	0.0	4.3
43	V'CHAL -RIHAND		S/C	489	0	11.3	0.0	11.3	
44	220 kV	RAPP-SHUJALPUR	D/C	533	0	5	0	5	
45		BADOD-KOTA	S/C	97	52	1.1	0.0	1.1	
46		BADOD-MORAK	S/C	185	92	0.9	0.8	0.1	
47		MEHGAON-AURAIYA	S/C	142	0	2.2	0.0	2.2	
48		MALANPUR-AURAIYA	S/C	102	0	1.7	0.0	1.7	
49	132kV	GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0	
WR-NR						42.1	106.2	-64.1	
Import/Export of WR (With SR)									
50	HVDC	BHADRAWATI B/B	-	0	992	0.0	23.8	-23.8	
51	LINK	BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0	
52	765 kV	SOLAPUR-RAICHUR	D/C	336	2136	0.0	19.0	-19.0	
53		WARDHA-NIZAMABAD	D/C	0	2542	0.0	40.9	-40.9	
54	400 kV	KOLHAPUR-KUDGI	D/C	910	0	12.9	0.0	12.9	
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	1	65	1.2	0.0	1.2	
WR-SR						14.1	83.8	-69.6	
TRANSNATIONAL EXCHANGE									
58		BHUTAN						8.7	
59		NEPAL						-4.1	
60		BANGLADESH						-20.8	