



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: 13th Oct 2018

To,

1. कार्यकारी निदेशक, पू.क्षे.भा.प्रे.के., 14, गोल्फ क्लब रोड, कोलकाता - 700033
Executive Director, ERLDC, 14 Golf Club Road, Tolleygunge, Kolkata, 700033
2. 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
3. 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
4. कार्यकारी निदेशक, ऊ.पू.क्षे.भा.प्रे.के., डोंगतिह, लोअर नोंग्रह, लापलंग, शिलोंग - 793006
Executive Director, NERLDC, Dongteih, Lower Nongrah, Lapalang, Shillong - 793006, Meghalaya
5. 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 12.10.2018.

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 12-अक्टूबर-2018 की अखिल भारतीय प्रणाली की दैनिक ग्रिड निष्पादन रिपोर्ट रा०भा०प्रे०के० 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 12th 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

13-Oct-18

A. Maximum Demand

	NR	WR	SR	ER	NER	Total
Demand Met during Evening Peak hrs(MW) (at 1900 hrs: from RLDCs)	46531	53922	44165	19347	2477	166442
Peak Shortage (MW)	1309	0	0	0	58	1367
Energy Met (MU)	1017	1286	1009	382	41	3736
Hydro Gen (MU)	196	26	133	78	18	450
Wind Gen (MU)	12	30	34	-----	-----	76
Solar Gen (MU)*	21.77	19.31	65.63	0.28	0.02	107
Energy Shortage (MU)	9.7	4.0	0.0	0.0	0.7	14.3
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	48275 18:46	56254 10:43	44159 10:38	19461 19:21	2505 18:21	168867 18:52

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	0.045	0.00	0.32	11.06	11.39	75.51	13.10

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	6639	0	152.0	36.2	-0.7	97	0.0	
	Haryana	7189	0	138.6	91.4	0.8	215	0.0	
	Rajasthan	10526	0	220.0	43.7	2.5	451	0.0	
	Delhi	4049	0	81.9	58.1	-1.0	60	0.1	
	UP	15763	0	317.7	128.5	-0.3	282	0.0	
	Uttarakhand	1794	0	35.2	10.3	0.8	201	0.0	
	HP	1449	0	27.5	10.4	1.0	129	0.0	
	J&K	1850	463	40.4	34.9	-7.0	64	9.5	
	Chandigarh	194	0	3.6	3.8	-0.2	21	0.0	
	WR	Chhattisgarh	4377	0	99.0	27.6	-0.6	133	0.0
Gujarat		17447	0	396.0	132.5	8.5	642	0.0	
MP		10971	0	236.6	128.6	-2.2	397	0.0	
Maharashtra		24183	578	513.1	197.6	-3.2	529	4.0	
Goa		470	0	10.9	10.1	0.3	95	0.0	
DD		313	0	7.0	6.4	0.7	58	0.0	
DNH		768	0	17.9	17.2	0.6	90	0.0	
Essar steel		359	0	5.8	6.1	-0.3	255	0.0	
SR		Andhra Pradesh	8941	0	194.0	71.6	4.2	797	0.0
		Telangana	10457	0	227.8	106.3	3.5	505	0.0
	Karnataka	9974	0	208.7	33.3	2.5	410	0.0	
	Kerala	3339	0	70.7	34.4	1.4	274	0.0	
	Tamil Nadu	13917	0	300.7	139.6	2.3	762	0.0	
	Pondy	362	0	7.7	7.2	0.5	63	0.0	
ER	Bihar	4474	0	73.5	74.6	-3.7	50	0.0	
	DVC	2916	0	61.0	-19.3	4.6	600	0.0	
	Jharkhand	1021	0	19.4	15.1	-3.8	0	0.0	
	Odisha	4467	0	86.0	33.2	0.9	300	0.0	
	West Bengal	6975	0	140.9	18.8	-0.7	100	0.0	
	Sikkim	96	0	1.3	1.2	0.1	10	0.0	
NER	Arunachal Pradesh	115	3	2.2	2.2	-0.1	-	0.0	
	Assam	1593	31	24.9	19.4	0.5	118	0.5	
	Manipur	165	2	2.1	2.4	-0.2	29	0.0	
	Meghalaya	296	0	4.8	2.4	-0.4	37	0.0	
	Mizoram	75	3	1.7	0.8	0.5	6	0.0	
	Nagaland	98	3	2.1	1.7	-0.1	5	0.0	
	Tripura	230	2	3.5	2.8	-1.1	5	0.0	

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	14.6	-2.7	-16.1
Day peak (MW)	739.6	-144.0	-861.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	141.5	-134.1	77.2	-79.9	-2.7	1.9
Actual(MU)	121.0	-130.7	88.4	-76.0	-4.9	-2.1
O/D/U/D(MU)	-20.5	3.4	11.3	3.8	-2.2	-4.1

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	3919	11763	6122	800	271	22875
State Sector	7285	13454	6240	4995	50	32024
Total	11204	25217	12362	5795	321	54899

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Thermal (Coal & Lignite)	613	1270	596	392	4	2876
Hydro	196	26	133	78	18	450
Nuclear	24	20	34	0	0	78
Gas, Naptha & Diesel	41	70	24	0	29	164
RES (Wind, Solar, Biomass & Others)	52	50	136	0	0	238
Total	925	1436	923	470	51	3805

Share of RES in total generation (%)	5.58	3.47	14.72	0.06	0.04	6.25
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	29.28	6.67	32.83	16.63	34.94	20.12

H. Diversity Factor

All India Demand Diversity Factor	1.011
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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 : 13-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	116	291	0.0	3.4	-3.4	
2		SASARAM-FATEHPUR	S/C	309	0	3.2	0.0	3.2	
3		GAYA-BALIA	S/C	0	260	0.0	3.9	-3.9	
4		ALIPURDUAR-AGRA	-	0	701	0.0	16.7	-16.7	
5	HVDC	PUSAULI B/B	S/C	0	398	0.0	9.7	-9.7	
6	400 kV	PUSAULI-VARANASI	S/C	0	304	0.0	6.3	-6.3	
7		PUSAULI -ALLAHABAD	S/C	0	172	0.0	3.2	-3.2	
8		MUZAFFARPUR-GORAKHPUR	D/C	29	496	0.0	6.6	-6.6	
9		PATNA-BALIA	Q/C	0	676	0.0	10.5	-10.5	
10		BIHARSHARIFF-BALIA	D/C	0	220	0.0	3.5	-3.5	
11		MOTIHARI-GORAKHPUR	D/C	0	284	0.0	5.1	-5.1	
12		BIHARSHARIFF-VARANASI	D/C	206	85	0.4	0.0	0.4	
13	220 kV	PUSAULI-SAHUPURI	S/C	0	182	0.0	3.5	-3.5	
14	132 kV	SONE NAGAR-RIHAND	S/C	0	0	0.0	0.0	0.0	
15		GARWAH-RIHAND	S/C	0	0	0.5	0.0	0.5	
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						4.1	72.5	-68.4	
Import/Export of ER (With WR)									
18	765 kV	JHARSUGUDA-DHARAMJAIGARH S/C	D/C	0	703	0.0	10.5	-10.5	
19		NEW RANCHI-DHARAMJAIGARH	D/C	197	548	0.0	4.4	-4.4	
20	400 kV	JHARSUGUDA-RAIGARH	Q/C	78	620	0.0	5.7	-5.7	
21		RANCHI-SIPAT	D/C	163	176	0.9	0.0	0.9	
22	220 kV	BUDHIPADAR-RAIGARH	S/C	0	2	0.0	0.0	0.0	
23		BUDHIPADAR-KORBA	D/C	103	40	1.0	0.0	1.0	
ER-WR						1.9	20.6	-18.7	
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	675.0	0.0	13.0	-13.0	
26	LINK	TALCHER-KOLAR BIPOLE	D/C	0.0	361.0	0.0	0.0	0.0	
27	400 kV	TALCHER-I/C	D/C	122.0	20.0	26.5	0.0	26.5	
28	220 kV	BALIMELA-UPPER-SILERRU	S/C	1.0	0.0	0.0	0.0	0.0	
ER-SR						0.0	13.0	-13.0	
Import/Export of ER (With NER)									
29	400 kV	BINAGURI-BONGAIGAON	D/C	0	521	0.0	8.4	-8	
30		ALIPURDUAR-BONGAIGAON	D/C	77	208	0.0	1.1	-1	
31	220 kV	ALIPURDUAR-SALAKATI	D/C	0	106	0.0	1.3	-1	
ER-NER						0.0	10.8	-10.8	
Import/Export of NER (With NR)									
32	HVDC	BISWANATH CHARIALI-AGRA	-	0	703	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	701	0.0	16.6	-16.6	
34		V'CHAL B/B	D/C	241	0	6.0	0.0	6.0	
35		APL -MHG	D/C	0	981	0.0	17.8	-17.8	
36		GWALIOR-AGRA	D/C	0	535	0.0	15.9	-15.9	
37	765 kV	PHAGI-GWALIOR	D/C	0	926	0.0	16.3	-16.3	
38		JABALPUR-ORAI	D/C	192	213	0.0	0.9	-0.9	
39		GWALIOR-ORAI	S/C	494	0	9.0	0.0	9.0	
40		SATNA-ORAI	S/C	0	1526	0.0	34.4	-34.4	
41		400 kV	ZERDA-KANKROLI	S/C	702	0	11.2	0.0	11.2
42			ZERDA -BHINMAL	S/C	412	1	5.0	0.0	5.0
43			V'CHAL -RIHAND	S/C	485	0	10.8	0.0	10.8
44	RAPP-SHUJALPUR		D/C	368	0	3	0	3	
45	220 kV	BADOD-KOTA	S/C	105	0	2.6	0.0	2.6	
46		BADOD-MORAK	S/C	124	0	1.6	0.0	1.6	
47		MEHGAON-AURAIYA	S/C	142	0	2.4	0.0	2.4	
48	132kV	MALANPUR-AURAIYA	S/C	97	0	1.5	0.0	1.5	
49		GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0	
WR-NR						52.9	101.8	-48.9	
Import/Export of WR (With SR)									
50	HVDC	BHADRAWATI B/B	-	0	1002	0.0	24.0	-24.0	
51	LINK	BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0	
52	765 kV	SOLAPUR-RAICHUR	D/C	0	2274	0.0	31.3	-31.3	
53		WARDHA-NIZAMABAD	D/C	0	3340	0.0	60.3	-60.3	
54	400 kV	KOLHAPUR-KUDGI	D/C	869	0	12.7	0.0	12.7	
55	220 kV	KOLHAPUR-CHIKODI	D/C	0	0	0.0	0.0	0.0	
56		PONDA-AMBEWADI	S/C	1	1	0.0	0.0	0.0	
57		XELDEM-AMBEWADI	S/C	0	77	1.4	0.0	1.4	
WR-SR						14.1	115.5	-101.4	
TRANSNATIONAL EXCHANGE									
58		BHUTAN						14.6	
59		NEPAL						-2.7	
60		BANGLADESH						-16.1	