



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: 12th 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, लापालंग, 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 11.10.2018.

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 11-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 11th 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

12-Oct-18

A. Maximum Demand

	NR	WR	SR	ER	NER	Total
Demand Met during Evening Peak hrs(MW) (at 1900 hrs: from RLDCs)	45251	53572	42950	19278	2418	163469
Peak Shortage (MW)	704	75	500	0	182	1461
Energy Met (MU)	1031	1283	977	389	43	3723
Hydro Gen (MU)	199	30	110	79	17	435
Wind Gen (MU)	7	28	49	-----	-----	84
Solar Gen (MU)*	20.92	18.73	59.95	0.65	0.00	100
Energy Shortage (MU)	9.0	7.6	2.2	0.0	1.6	20.4
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	47945 18:44	56399 11:02	44101 16:59	19464 18:52	2489 18:02	166659 18:39

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	0.042	0.00	1.32	8.04	9.36	77.94	12.70

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	6459	0	151.4	30.5	-1.4	76	0.0	
	Haryana	7016	0	138.3	86.4	2.4	321	0.0	
	Rajasthan	10121	0	219.8	46.2	1.1	443	0.0	
	Delhi	4369	0	88.3	64.9	-1.2	75	0.1	
	UP	15019	0	333.6	127.0	-0.8	314	0.0	
	Uttarakhand	1752	0	32.4	9.7	-0.5	271	0.0	
	HP	1319	0	26.3	9.6	0.6	114	0.1	
	J&K	1780	445	37.5	34.2	-9.1	331	8.9	
	Chandigarh	193	0	3.6	3.8	-0.2	22	0.0	
	WR	Chhattisgarh	4169	0	98.4	28.9	-0.6	125	0.0
Gujarat		17429	0	395.0	107.2	13.8	855	0.0	
MP		10737	0	234.5	119.9	0.3	472	0.0	
Maharashtra		24239	620	513.0	192.2	0.8	637	7.6	
Goa		470	0	10.5	9.8	0.3	84	0.0	
DD		307	0	6.9	6.0	0.9	88	0.0	
DNH		780	0	18.2	16.7	1.4	126	0.0	
Essar steel		357	0	6.4	6.6	-0.2	279	0.0	
SR		Andhra Pradesh	8560	0	188.5	68.7	1.3	560	0.0
		Telangana	10261	0	222.7	121.4	0.6	472	0.0
	Karnataka	9407	0	199.7	30.7	3.1	656	0.0	
	Kerala	3199	400	68.5	33.9	1.5	286	2.2	
	Tamil Nadu	13251	0	290.1	133.5	3.5	600	0.0	
	Pondy	359	0	7.4	7.2	0.2	59	0.0	
ER	Bihar	4598	0	83.6	84.4	-3.4	50	0.0	
	DVC	2813	0	59.7	-21.5	1.0	195	0.0	
	Jharkhand	988	0	19.7	16.3	-3.1	10	0.0	
	Odisha	4292	0	87.1	30.8	0.9	180	0.0	
	West Bengal	7369	0	137.9	24.9	-0.1	100	0.0	
	Sikkim	93	0	1.3	1.3	0.0	15	0.0	
NER	Arunachal Pradesh	121	2	2.2	2.1	0.1	115	0.0	
	Assam	1574	48	26.6	21.2	1.1	168	1.5	
	Manipur	135	3	2.1	2.3	-0.3	36	0.0	
	Meghalaya	251	0	4.9	2.7	-0.3	171	0.0	
	Mizoram	91	1	1.5	0.9	0.3	30	0.0	
	Nagaland	102	3	2.2	1.8	-0.1	-	0.0	
	Tripura	231	2	3.8	3.2	-1.0	-	0.1	

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	13.9	-2.7	-16.6
Day peak (MW)	785.9	160.0	748.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	123.2	-147.9	87.5	-59.1	-2.0	1.7
Actual(MU)	111.0	-151.0	93.6	-52.8	-3.1	-2.3
O/D/U/D(MU)	-12.2	-3.1	6.1	6.3	-1.1	-4.0

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	4139	13511	6722	1100	426	25898
State Sector	7285	12667	7260	5495	21	32728
Total	11424	26178	13982	6595	447	58626

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Thermal (Coal & Lignite)	642	1248	570	389	28	2878
Hydro	199	30	110	79	0	418
Nuclear	23	12	34	0	0	69
Gas, Naptha & Diesel	55	83	25	0	50	213
RES (Wind, Solar, Biomass & Others)	45	48	148	1	0	241
Total	965	1421	886	469	79	3818

Share of RES in total generation (%)	4.64	3.36	16.71	0.14	0.00	6.32
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	27.70	6.31	32.89	16.99	0.01	19.06

H. Diversity Factor

All India Demand Diversity Factor	1.022
-----------------------------------	-------

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 : 12-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	213	158	0.0	1.3	-1.3	
2		SASARAM-FATEHPUR	S/C	347	0	5.7	0.0	5.7	
3		GAYA-BALIA	S/C	0	197	0.0	2.8	-2.8	
4		ALIPURDUAR-AGRA	-	0	701	0.0	17.0	-17.0	
5	400 kV	PUSAULI B/B	S/C	0	398	0.0	9.6	-9.6	
6		PUSAULI-VARANASI	S/C	0	309	0.0	6.7	-6.7	
7		PUSAULI -ALLAHABAD	S/C	0	147	0.0	2.7	-2.7	
8		MUZAFFARPUR-GORAKHPUR	D/C	137	347	0.0	2.6	-2.6	
9		PATNA-BALIA	Q/C	0	606	0.0	8.3	-8.3	
10		BIHARSHARIFF-BALIA	D/C	30	138	0.0	1.7	-1.7	
11		MOTIHARI-GORAKHPUR	D/C	0	292	0.0	4.3	-4.3	
12		BIHARSHARIFF-VARANASI	D/C	238	12	2.3	0.0	2.3	
13		220 kV	PUSAULI-SAHUPURI	S/C	0	189	0.0	3.8	-3.8
14			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		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						8.6	60.6	-52.1	
Import/Export of ER (With WR)									
18	765 kV	JHARSUGUDA-DHARAMJAIGARH S/C	D/C	834	802	0.0	4.8	-4.8	
19		NEW RANCHI-DHARAMJAIGARH	D/C	225	471	0.0	1.0	-1.0	
20	400 kV	JHARSUGUDA-RAIGARH	Q/C	600	579	0.0	1.4	-1.4	
21		RANCHI-SIPAT	D/C	235	183	1.4	0.0	1.4	
22	220 kV	BUDHIPADAR-RAIGARH	S/C	0	2	0.0	0.0	0.0	
23		BUDHIPADAR-KORBA	D/C	169	48	1.3	0.0	1.3	
ER-WR						2.7	7.2	-4.5	
Import/Export of ER (With SR)									
24	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	1506.0	0.0	3.5	-3.5	
25	HVDC	JEYPORE-GAZUWAKA B/B	D/C	0.0	630.0	0.0	13.1	-13.1	
26	LINK	TALCHER-KOLAR BIPOLE	D/C	0.0	1879.0	0.0	5.9	-5.9	
27	400 kV	TALCHER-1/C	D/C	209.0	720.0	22.7	0.0	22.7	
28	220 kV	BALIMELA-UPPER-SILERRU	S/C	1.0	0.0	0.0	0.0	0.0	
ER-SR						0.0	22.5	-22.5	
Import/Export of ER (With NER)									
29	400 kV	BINAGURI-BONGAIGAON	D/C	0	580	0.0	9.2	-9	
30		ALIPURDUAR-BONGAIGAON	D/C	27	251	0.0	1.8	-2	
31	220 kV	ALIPURDUAR-SALAKATI	D/C	0	111	0.0	1.5	-2	
ER-NER						0.0	12.5	-12.5	
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	955	0.0	20.1	-20.1	
34		V'CHAL B/B	D/C	240	0	6.1	0.0	6.1	
35		APL -MHG	D/C	0	981	0.0	20.4	-20.4	
36		GWALIOR-AGRA	D/C	19	492	0.0	11.6	-11.6	
37	765 kV	PHAGI-GWALIOR	D/C	0	650	0.0	10.0	-10.0	
38		JABALPUR-ORAI	D/C	268	168	1.7	0.0	1.7	
39		GWALIOR-ORAI	S/C	400	0	0.0	7.8	-7.8	
40		SATNA-ORAI	S/C	0	1307	0.0	29.2	-29.2	
41		400 kV	ZERDA-KANKROLI	S/C	531	0	9.6	0.0	9.6
42			ZERDA -BHINMAL	S/C	398	0	6.7	0.0	6.7
43	V'CHAL -RIHAND		S/C	499	0	11.0	0.0	11.0	
44	220 kV	RAPP-SHUJALPUR	D/C	490	0	4	0	4	
45		BADOD-KOTA	S/C	103	0	1.3	0.0	1.3	
46		BADOD-MORAK	S/C	202	0	2.8	0.0	2.8	
47		MEHGAON-AURAIYA	S/C	156	0	2.0	0.0	2.0	
48		MALANPUR-AURAIYA	S/C	110	0	2.1	0.0	2.1	
49	132kV	GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0	
WR-NR						46.9	99.2	-52.3	
Import/Export of WR (With SR)									
50	HVDC	BHADRAWATI B/B	-	0	1009	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	67	2850	0.0	29.8	-29.8	
53		WARDHA-NIZAMABAD	D/C	0	3670	0.0	62.3	-62.3	
54	400 kV	KOLHAPUR-KUDGI	D/C	843	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	69	1.4	0.0	1.4	
WR-SR						14.3	116.0	-101.7	
TRANSNATIONAL EXCHANGE									
58		BHUTAN						13.9	
59		NEPAL						-2.7	
60		BANGLADESH						-16.6	