



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: 11th 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 10.10.2018.

महोदय/Dear Sir,

आईईंजींसीं-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 10-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 10th 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

11-Oct-18

A. Maximum Demand

	NR	WR	SR	ER	NER	Total
Demand Met during Evening Peak hrs(MW) (at 1900 hrs: from RLDCs)	47561	53653	43538	20536	2501	167789
Peak Shortage (MW)	1987	82	0	427	111	2607
Energy Met (MU)	1093	1272	976	442	44	3827
Hydro Gen (MU)	200	45	120	83	17	466
Wind Gen (MU)	7	13	34	-----	-----	54
Solar Gen (MU)*	19.32	20.1	59.48	0.59	0.03	100
Energy Shortage (MU)	20.6	8.0	0.0	1.3	1.2	31.1
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	49475 18:46	56697 11:03	43642 18:48	20698 18:53	2488 18:18	170636 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	0.044	0.00	0.13	12.38	12.51	80.97	6.52

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	7146	0	163.8	28.5	-0.3	116	0.0
	Haryana	7751	0	153.9	89.9	4.6	425	0.0
	Rajasthan	10486	0	224.3	35.9	3.8	454	0.0
	Delhi	4559	0	94.3	65.0	-0.1	235	0.0
	UP	15900	670	347.3	136.6	0.1	277	9.9
	Uttarakhand	1772	0	37.2	12.4	0.8	122	1.1
	HP	1430	0	27.7	9.7	2.1	263	0.0
	J&K	2153	538	40.5	33.1	-3.2	248	9.6
WR	Chandigarh	206	0	3.9	3.8	0.1	28	0.0
	Chhattisgarh	4290	0	101.2	35.5	-2.7	77	0.0
	Gujarat	17326	0	378.0	121.5	8.8	998	0.0
	MP	10468	0	232.9	114.9	0.4	575	0.0
	Maharashtra	24826	680	517.7	195.2	8.5	677	8.0
	Goa	540	0	10.7	10.1	-0.1	43	0.0
	DD	298	0	6.8	6.1	0.7	74	0.0
	DNH	780	0	18.2	17.0	1.2	102	0.0
SR	Essar steel	348	0	6.5	6.0	0.5	311	0.0
	Andhra Pradesh	8804	0	190.5	62.6	4.1	774	0.0
	Telangana	10425	0	228.0	120.4	3.5	656	0.0
	Karnataka	9380	0	197.4	28.8	2.6	574	0.0
	Kerala	3427	0	68.2	39.0	0.9	252	0.0
	Tamil Nadu	13393	0	285.2	135.7	0.6	541	0.0
	Pondy	341	0	7.1	7.4	-0.2	46	0.0
	ER	Bihar	5098	0	94.2	92.1	-0.6	325
DVC		2883	0	61.2	-20.9	1.4	498	1.1
Jharkhand		1086	-43	24.8	16.9	1.2	189	0.1
Odisha		4947	0	110.0	39.8	0.5	365	0.0
West Bengal		7647	0	150.5	34.8	1.4	445	0.0
Sikkim		96	0	1.3	1.2	0.1	-	0.0
NER	Arunachal Pradesh	118	1	2.2	2.1	0.0	-	0.0
	Assam	1625	54	27.2	21.1	1.4	183	1.1
	Manipur	157	2	2.4	2.3	0.1	25	0.0
	Meghalaya	272	0	4.6	3.0	-0.5	84	0.0
	Mizoram	89	2	1.6	0.8	0.4	11	0.0
	Nagaland	113	1	2.3	1.8	0.0	9	0.0
	Tripura	247	2	3.8	3.4	-1.2	-	0.1

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	13.1	-2.9	-20.3
Day peak (MW)	766.6	-168.0	-887.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	106.5	-114.3	67.6	-56.8	-1.4	1.6
Actual(MU)	82.3	-104.2	76.4	-45.6	-3.2	5.7
OD/UD(MU)	-24.2	10.1	8.8	11.3	-1.8	4.1

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	3519	13392	6722	1600	426	25659
State Sector	6475	12224	7580	5495	21	31795
Total	9994	25616	14302	7095	447	57454

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Thermal (Coal & Lignite)	685	1207	590	421	5	2909
Hydro	200	45	120	83	17	466
Nuclear	18	12	34	0	0	64
Gas, Naptha & Diesel	70	90	24	0	29	213
RES (Wind, Solar, Biomass & Others)	44	34	136	1	0	214
Total	1017	1389	904	504	51	3866

Share of RES in total generation (%)	4.30	2.45	15.03	0.12	0.06	5.54
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	25.76	6.53	32.11	16.58	33.97	19.25

H. Diversity Factor

All India Demand Diversity Factor	1.014
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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 :	11-Oct-18
SI No	Voltage Level	Line Details	Circuit	Max Import (MW)	Max Export (MW)	Import (MU)	Export (MU)	NET (MU)	
								Import=(+ve) /Export =(-ve) for NET (MU)	
Import/Export of ER (With NR)									
1	765kV	GAYA-VARANASI	D/C	335	14	3.5	0.0	3.5	
2		SASARAM-FATEHPUR	S/C	395	0	7.0	0.0	7.0	
3		GAYA-BALIA	S/C	38	159	0.0	1.7	-1.7	
4	HVDC	ALIPURDUAR-AGRA	-	0	1001	0.0	22.8	-22.8	
5		PUSAULI B/B	S/C	0	397	0.0	9.7	-9.7	
6	400 kV	PUSAULI-VARANASI	S/C	0	323	0.0	7.1	-7.1	
7		PUSAULI-ALLAHABAD	S/C	0	133	0.0	2.5	-2.5	
8		MUZAFFARPUR-GORAKHPUR	D/C	276	185	0.4	0.0	0.4	
9		PATNA-BALIA	Q/C	0	505	0.0	8.2	-8.2	
10		BIHARSHARIFF-BALIA	D/C	113	53	0.0	0.2	-0.2	
11		MOTIHARI-GORAKHPUR	D/C	0	283	0.0	4.8	-4.8	
12		BIHARSHARIFF-VARANASI	D/C	309	0	3.9	0.0	3.9	
13	220 kV	PUSAULI-SAHUPURI	S/C	0	203	0.0	4.2	-4.2	
14	132 kV	SONE NAGAR-RIHAND	S/C	0	0	0.0	0.0	0.0	
15		GARWAH-RIHAND	S/C	0	0	0.6	0.0	0.6	
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						15.3	61.1	-45.8	
Import/Export of ER (With WR)									
18	765 kV	JHARSUGUDA-DHARAMJAIGARH S/C	D/C	1218	0	19.0	0.0	19.0	
19		NEW RANCHI-DHARAMJAIGARH	D/C	516	138	3.5	0.0	3.5	
20	400 kV	JHARSUGUDA-RAIGARH	Q/C	641	0	10.0	0.0	10.0	
21		RANCHI-SIPAT	D/C	321	0	4.9	0.0	4.9	
22	220 kV	BUDHIPADAR-RAIGARH	S/C	0	2	0.0	0.0	0.0	
23		BUDHIPADAR-KORBA	D/C	209	0	3.9	0.0	3.9	
ER-WR						41.3	0.0	41.3	
Import/Export of ER (With SR)									
24	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	1959.0	0.0	31.0	-31.0	
25	HVDC	JEYPORE-GAZUWAKA B/B	D/C	0.0	630.0	0.0	11.2	-11.2	
26	LINK	TALCHER-KOLAR BIPOLE	D/C	0.0	2260.0	0.0	38.3	-38.3	
27	400 kV	TALCHER-I/C	D/C	0.0	1023.0	0.0	0.7	-0.7	
28	220 kV	BALIMELA-UPPER-SILERRU	S/C	1.0	0.0	0.0	0.0	0.0	
ER-SR						0.0	80.5	-80.5	
Import/Export of ER (With NER)									
29	400 kV	BINAGURI-BONGAIGAON	D/C	0	617	0.0	9.8	-10	
30		ALIPURDUAR-BONGAIGAON	D/C	126	180	0.3	0.0	0	
31	220 kV	ALIPURDUAR-SALAKATI	D/C	3	111	0.0	1.4	-1	
ER-NER						0.3	11.2	-11.0	
Import/Export of NER (With NR)									
32	HVDC	BISWANATH CHARIALI-AGRA	-	0	703	0.0	15.6	-15.6	
NER-NR						0.0	15.6	-15.6	
Import/Export of WR (With NR)									
33	HVDC	CHAMPA-KURUKSHETRA	D/C	0	953	0.0	22.7	-22.7	
34		V'CHAL B/B	D/C	240	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	491	0.0	15.0	-15.0	
37		PHAGI-GWALIOR	D/C	0	633	0.0	8.6	-8.6	
38		JABALPUR-ORAI	D/C	251	115	1.2	0.0	1.2	
39		GWALIOR-ORAI	S/C	328	0	0.0	6.2	-6.2	
40		SATNA-ORAI	S/C	0	1394	0.0	30.1	-30.1	
41		400 kV	ZERDA-KANKROLI	S/C	455	0	9.1	0.0	9.1
42			ZERDA -BHINMAL	S/C	330	0	6.2	0.0	6.2
43	V'CHAL -RIHAND		S/C	489	0	11.6	0.0	11.6	
44	RAPP-SHUJALPUR		D/C	418	0	3	0	3	
45	220 kV	BADOD-KOTA	S/C	109	0	2.6	0.0	2.6	
46		BADOD-MORAK	S/C	123	0	2.1	0.0	2.1	
47		MEHGAON-AURAIYA	S/C	168	0	3.2	0.0	3.2	
48		MALANPUR-AURAIYA	S/C	125	0	2.2	0.0	2.2	
49	132kV	GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0	
WR-NR						47.5	97.1	-49.6	
Import/Export of WR (With SR)									
50	HVDC	BHADRAWATI B/B	-	0	1002	0.0	21.1	-21.1	
51	LINK	BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0	
52	765 kV	SOLAPUR-RAICHUR	D/C	1146	1093	2.3	0.0	2.3	
53		WARDHA-NIZAMABAD	D/C	0	2450	0.0	34.2	-34.2	
54	400 kV	KOLHAPUR-KUDGI	D/C	1100	0	19.4	0.0	19.4	
55	220 kV	KOLHAPUR-CHIKODI	D/C	0	0	0.0	0.0	0.0	
56		PONDA-AMBEWADI	S/C	2	0	0.0	0.0	0.0	
57		XELDEM-AMBEWADI	S/C	0	64	1.3	0.0	1.3	
WR-SR						23.0	55.3	-32.3	
TRANSNATIONAL EXCHANGE									
58		BHUTAN						13.1	
59		NEPAL						-2.9	
60		BANGLADESH						-20.3	