



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: 7th 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 06.10.2018.

महोदय/Dear Sir,

आईईंजींसीं-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 06-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 06th 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

7-Oct-18

A. Maximum Demand

	NR	WR	SR	ER	NER	Total
Demand Met during Evening Peak hrs(MW) (at 2000 hrs: from RLDCs)	47725	53252	42083	21672	2639	167371
Peak Shortage (MW)	1593	0	83	600	133	2409
Energy Met (MU)	1103	1261	919	473	47	3802
Hydro Gen (MU)	221	44	103	105	20	493
Wind Gen (MU)	4	24	52	-----	-----	80
Solar Gen (MU)*	22.33	20.44	56.10	1.00	0.02	100
Energy Shortage (MU)	20.5	0.3	0.0	1.8	1.4	24.0
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	50035 18:46	55145 11:52	41898 18:52	22652 20:51	2670 18:25	170327 18:49

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	0.033	0.00	0.28	5.79	6.06	84.22	9.71

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	7713	0	177.9	55.8	-1.1	86	0.0	
	Haryana	7565	0	154.3	90.3	0.5	293	0.0	
	Rajasthan	9848	0	216.7	52.4	0.7	403	0.0	
	Delhi	4188	0	91.9	63.2	-0.2	174	0.0	
	UP	15682	720	352.1	134.9	1.8	428	11.2	
	Uttarakhand	1890	0	38.5	12.1	0.6	153	0.0	
	HP	1423	0	27.2	7.3	1.5	153	0.0	
	J&K	1918	479	40.1	31.1	-3.8	264	9.4	
	Chandigarh	206	0	3.9	4.1	-0.2	20	0.0	
	WR	Chhattisgarh	4490	0	103.9	31.9	-0.4	906	0.3
Gujarat		17497	0	397.2	116.0	9.6	883	0.0	
MP		9871	0	219.9	102.9	-1.0	472	0.0	
Maharashtra		22217	0	494.8	177.6	4.0	488	0.0	
Goa		540	0	14.2	9.7	1.1	99	0.0	
DD		311	0	6.8	5.5	1.3	103	0.0	
DNH		761	0	17.5	16.6	0.9	119	0.0	
Essar steel		353	0	6.6	6.1	0.5	290	0.0	
SR		Andhra Pradesh	8023	0	183.7	46.3	2.4	439	0.0
		Telangana	10447	0	229.4	95.4	2.1	469	0.0
	Karnataka	8414	0	176.9	12.4	1.1	491	0.0	
	Kerala	3344	0	68.3	31.0	0.7	277	0.0	
	Tamil Nadu	12078	0	254.1	147.8	1.4	431	0.0	
	Pondy	310	0	6.4	6.5	0.0	38	0.0	
ER	Bihar	5042	0	97.4	98.2	-3.7	400	0.3	
	DVC	3025	0	61.3	-23.0	7.5	700	0.6	
	Jharkhand	999	0	24.6	17.6	0.6	40	0.0	
	Odisha	5203	0	115.3	44.3	2.6	400	0.9	
	West Bengal	8882	0	173.3	63.9	0.8	260	0.0	
	Sikkim	96	0	1.2	1.4	-0.2	15	0.0	
NER	Arunachal Pradesh	125	3	2.1	2.3	-0.2	185	0.0	
	Assam	1650	100	28.7	22.3	1.3	140	1.3	
	Manipur	170	5	2.3	2.2	0.1	40	0.0	
	Meghalaya	295	2	4.9	2.2	-0.2	45	0.0	
	Mizoram	85	2	1.5	0.6	0.5	6	0.0	
	Nagaland	115	1	2.3	1.7	0.1	8	0.0	
	Tripura	287	2	4.8	4.1	0.3	52	0.0	

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	17.2	-2.7	-21.2
Day peak (MW)	873.4	-144.0	-920.6

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	128.8	-149.6	28.7	-7.2	-0.4	0.3
Actual(MU)	106.7	-153.3	34.9	2.4	0.8	-8.5
O/D/U/D(MU)	-22.1	-3.7	6.2	9.6	1.2	-8.8

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	3129	15333	6562	1600	398	27021
State Sector	6495	12645	6530	5905	50	31625
Total	9624	27978	13092	7505	448	58646

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Thermal (Coal & Lignite)	658	1221	576	368	5	2829
Hydro	221	44	103	105	20	493
Nuclear	23	14	34	0	0	71
Gas, Naptha & Diesel	66	98	23	0	24	212
RES (Wind, Solar, Biomass & Others)	45	45	150	1	0	242
Total	1015	1422	886	474	50	3846

Share of RES in total generation (%)	4.45	3.19	16.97	0.22	0.10	6.29
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	28.58	7.26	32.40	22.27	40.58	20.95

H. Diversity Factor

All India Demand Diversity Factor	1.012
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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 : 7-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	526	0	6.8	0.0	6.8
2		SASARAM-FATEHPUR	S/C	479	0	8.6	0.0	8.6
3		GAYA-BALIA	S/C	34	161	0.0	1.4	-1.4
4		ALIPURDUAR-AGRA	-	0	801	0.0	19.8	-19.8
5	HVDC	PUSAULI B/B	S/C	0	398	0.0	9.7	-9.7
6	400 kV	PUSAULI-VARANASI	S/C	0	328	0.0	7.0	-7.0
7		PUSAULI -ALLAHABAD	S/C	0	140	0.0	2.4	-2.4
8		MUZAFFARPUR-GORAKHPUR	D/C	403	156	1.8	0.0	1.8
9		PATNA-BALIA	Q/C	167	370	0.0	2.2	-2.2
10		BIHARSHARIFF-BALIA	D/C	180	45	1.2	0.0	1.2
11		MOTIHARI-GORAKHPUR	D/C	0	197	0.0	3.0	-3.0
12		BIHARSHARIFF-VARANASI	D/C	496	0	7.4	0.0	7.4
13	220 kV	PUSAULI-SAHUPURI	S/C	0	201	0.0	4.1	-4.1
14	132 kV	SONE NAGAR-RIHAND	S/C	0	0	0.0	0.0	0.0
15		GARWAH-RIHAND	S/C	0	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						26.4	49.6	-23.1
Import/Export of ER (With WR)								
18	765 kV	JHARSUGUDA-DHARAMJAIGARH S/C	D/C	1252	0	23.2	0.0	23.2
19		NEW RANCHI-DHARAMJAIGARH	D/C	911	0	12.3	0.0	12.3
20	400 kV	JHARSUGUDA-RAIGARH	Q/C	998	0	15.6	0.0	15.6
21		RANCHI-SIPAT	D/C	560	0	9.3	0.0	9.3
22	220 kV	BUDHIPADAR-RAIGARH	S/C	0	2	0.0	0.0	0.0
23		BUDHIPADAR-KORBA	D/C	247	0	4.6	0.0	4.6
ER-WR						65.0	0.0	65.0
Import/Export of ER (With SR)								
24	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	1405.0	0.0	19.6	-19.6
25	HVDC	JEYPORE-GAZUWAKA B/B	D/C	0.0	534.0	0.0	10.0	-10.0
26	LINK	TALCHER-KOLAR BIPOLE	D/C	0.0	1298.0	0.0	16.2	-16.2
27	400 kV	TALCHER-I/C	D/C	0.0	778.0	0.0	1.1	-1.1
28	220 kV	BALIMELA-UPPER-SILERRU	S/C	1.0	0.0	0.0	0.0	0.0
ER-SR						0.0	45.7	-45.7
Import/Export of ER (With NER)								
29	400 kV	BINAGURI-BONGAIGAON	D/C	1140	600	0.0	11.4	-11
30		ALIPURDUAR-BONGAIGAON	D/C	0	274	0.0	3.2	-3
31	220 kV	ALIPURDUAR-SALAKATI	D/C	0	131	0.0	2.0	-2
ER-NER						0.0	16.6	-16.6
Import/Export of NER (With NR)								
32	HVDC	BISWANATH CHARIALI-AGRA	-	0	701	0.0	17.1	-17.1
NER-NR						0.0	17.1	-17.1
Import/Export of WR (With NR)								
33	HVDC	CHAMPA-KURUKSHETRA	D/C	0	1153	0.0	27.3	-27.3
34		V'CHAL B/B	D/C	240	0	4.6	0.0	4.6
35		APL -MHG	D/C	0	980	0.0	21.5	-21.5
36		GWALIOR-AGRA	D/C	0	1028	0.0	19.5	-19.5
37	765 kV	PHAGI-GWALIOR	D/C	0	931	0.0	13.6	-13.6
38		JABALPUR-ORAI	D/C	187	224	0.0	3.3	-3.3
39		GWALIOR-ORAI	S/C	314	0	5.5	0.0	5.5
40		SATNA-ORAI	S/C	0	1509	0.0	33.0	-33.0
41		ZERDA-KANKROLI	S/C	419	0	6.8	0.0	6.8
42	400 kV	ZERDA -BHINMAL	S/C	275	0	3.3	0.0	3.3
43		V'CHAL -RIHAND	S/C	489	0	11.2	0.0	11.2
44		RAPP-SHUJALPUR	D/C	311	46	1	0	1
45	220 kV	BADOD-KOTA	S/C	87	0	2.1	0.0	2.1
46		BADOD-MORAK	S/C	86	10	1.0	0.0	1.0
47		MEHGAON-AURAIYA	S/C	150	0	2.6	0.0	2.6
48	132kV	MALANPUR-AURAIYA	S/C	111	0	1.8	0.0	1.8
49		GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0
WR-NR						40.4	118.2	-77.8
Import/Export of WR (With SR)								
50	HVDC	BHADRAWATI B/B	-	0	1006	0.0	21.0	-21.0
51	LINK	BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0
52	765 kV	SOLAPUR-RAICHUR	D/C	1615	539	12.9	0.0	12.9
53		WARDHA-NIZAMABAD	D/C	35	1735	0.0	22.0	-22.0
54	400 kV	KOLHAPUR-KUDGI	D/C	1238	0	21.0	0.0	21.0
55	220 kV	KOLHAPUR-CHIKODI	D/C	0	0	0.0	0.0	0.0
56		PONDA-AMBEWADI	S/C	1	0	0.0	0.0	0.0
57		XELDEM-AMBEWADI	S/C	1	64	0.5	0.0	0.5
WR-SR						34.3	43.0	-8.7
TRANSNATIONAL EXCHANGE								
58		BHUTAN						17.2
59		NEPAL						-2.7
60		BANGLADESH						-21.2