



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: 6th 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 05.10.2018.

महोदय/Dear Sir,

आईईजीसी-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 05-अक्टूबर-2018 की अखिल भारतीय प्रणाली की दैनिक ग्रिड निष्पादन रिपोर्ट रांभांप्रेके 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 05th October 2018, is available at the NLDC website.

धन्यवाद,

A. Maximum Demand

	NR	WR	SR	ER	NER	Total
Demand Met during Evening Peak hrs(MW) (at 2000 hrs: from RLDCs)	47798	51496	41808	21767	2604	165473
Peak Shortage (MW)	2234	0	0	1039	119	3392
Energy Met (MU)	1119	1248	929	484	48	3829
Hydro Gen (MU)	226	40	100	105	20	492
Wind Gen (MU)	6	21	60	-----	-----	88
Solar Gen (MU)*	22.95	19	47.56	1.31	0.02	91
Energy Shortage (MU)	15.9	0.0	0.0	3.1	1.2	20.2
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	50211 19:19	54856 12:52	42104 18:32	22177 20:18	2655 20:04	168906 19:17

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	0.054	0.00	1.96	12.29	14.25	74.98	10.78

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	7589	0	177.1	55.0	-0.8	95	0.0
	Haryana	7652	0	156.1	87.7	0.8	184	0.0
	Rajasthan	10154	0	219.9	40.6	6.4	705	0.0
	Delhi	4614	0	97.3	64.3	-1.0	98	0.0
	UP	15435	0	358.9	132.3	2.0	265	6.5
	Uttarakhand	1933	0	38.1	11.6	0.1	65	0.0
	HP	1435	0	27.4	6.2	1.8	305	0.0
	J&K	1993	498	40.1	30.6	-2.7	272	9.3
WR	Chhattisgarh	213	0	4.1	4.2	-0.1	36	0.0
	Chhattisgarh	4472	0	104.4	33.4	0.3	616	0.0
	Gujarat	17464	0	396.2	125.1	8.3	975	0.0
	MP	9680	0	216.1	101.4	-1.3	352	0.0
	Maharashtra	22109	0	488.3	181.7	-1.5	473	0.0
	Goa	540	0	14.0	11.0	-0.2	78	0.0
	DD	286	0	5.6	4.8	0.8	71	0.0
	DNH	723	0	17.0	15.7	1.2	100	0.0
SR	Essar steel	365	0	6.7	6.1	0.6	294	0.0
	Andhra Pradesh	7912	0	182.5	50.8	1.4	542	0.0
	Telangana	10488	0	227.6	102.3	2.1	706	0.0
	Karnataka	8553	0	181.4	16.6	-0.6	555	0.0
	Kerala	3382	0	68.5	31.1	0.8	241	0.0
	Tamil Nadu	12341	0	262.2	152.4	1.4	925	0.0
	Pondy	324	0	6.7	6.8	-0.1	33	0.0
	ER	Bihar	4950	0	93.8	87.5	3.3	-
DVC		2878	-1	58.0	-23.7	8.7	-	1.2
Jharkhand		1000	0	21.1	15.9	-1.1	-	0.3
Odisha		5266	-1	117.8	38.6	10.2	-	1.2
West Bengal		8719	0	192.6	69.2	0.1	-	0.0
Sikkim		90	0	1.1	1.0	0.1	-	0.0
NER	Arunachal Pradesh	124	2	2.2	2.3	-0.1	185	0.0
	Assam	1688	74	29.8	23.6	1.6	140	1.1
	Manipur	173	3	2.3	2.2	0.1	40	0.0
	Meghalaya	290	0	5.0	2.1	-0.1	45	0.0
	Mizoram	82	4	1.6	0.6	0.6	6	0.0
	Nagaland	113	2	2.3	1.8	0.0	8	0.0
Tripura	286	2	5.2	4.2	0.3	52	0.0	

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	18.2	-3.0	-21.6
Day peak (MW)	831.2	-190.0	-963.1

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	105.2	-137.3	45.5	-12.7	-0.1	0.6
Actual(MU)	90.3	-156.4	46.0	18.2	1.7	-0.3
O/D/U/D(MU)	-14.9	-19.2	0.5	30.9	1.8	-0.9

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	3339	14273	7062	2260	365	27298
State Sector	6705	12001	7240	5905	50	31901
Total	10044	26274	14302	8165	414	59198

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Thermal (Coal & Lignite)	687	1217	580	358	5	2847
Hydro	226	40	100	105	20	492
Nuclear	23	15	34	0	0	72
Gas, Naptha & Diesel	72	97	24	0	25	218
RES (Wind, Solar, Biomass & Others)	48	41	148	1	0	239
Total	1056	1410	885	465	50	3867

Share of RES in total generation (%)	4.52	2.93	16.74	0.29	0.08	6.17
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	28.16	6.84	31.79	22.96	40.47	20.75

H. Diversity Factor

All India Demand Diversity Factor	1.018
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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 : 6-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	635	0	9.1	0.0	9.1	
2		SASARAM-FATEHPUR	S/C	546	0	9.5	0.0	9.5	
3		GAYA-BALIA	S/C	34	129	0.0	0.9	-0.9	
4		ALIPURDUAR-AGRA	-	0	800	0.0	19.4	-19.4	
5	HVDC	PUSAULI B/B	S/C	0	399	0.0	9.7	-9.7	
6	400 kV	PUSAULI-VARANASI	S/C	0	349	0.0	7.4	-7.4	
7		PUSAULI -ALLAHABAD	S/C	0	127	0.0	2.0	-2.0	
8		MUZAFFARPUR-GORAKHPUR	D/C	337	195	1.6	0.0	1.6	
9		PATNA-BALIA	Q/C	290	107	1.9	0.0	1.9	
10		BIHARSHARIFF-BALIA	D/C	164	49	1.1	0.0	1.1	
11		MOTIHARI-GORAKHPUR	D/C	44	114	0.0	1.2	-1.2	
12		BIHARSHARIFF-VARANASI	D/C	489	0	7.5	0.0	7.5	
13	220 kV	PUSAULI-SAHUPURI	S/C	0	197	0.0	4.0	-4.0	
14	132 kV	SONE NAGAR-RIHAND	S/C	0	0	0.0	0.0	0.0	
15		GARWAH-RIHAND	S/C	35	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						31.3	44.5	-13.2	
Import/Export of ER (With WR)									
18	765 kV	JHARSUGUDA-DHARAMJAIGARH S/C	D/C	1451	0	27.4	0.0	27.4	
19		NEW RANCHI-DHARAMJAIGARH	D/C	921	0	14.0	0.0	14.0	
20	400 kV	JHARSUGUDA-RAIGARH	Q/C	971	0	18.2	0.0	18.2	
21		RANCHI-SIPAT	D/C	542	0	9.5	0.0	9.5	
22	220 kV	BUDHIPADAR-RAIGARH	S/C	0	2	0.0	0.0	0.0	
23		BUDHIPADAR-KORBA	D/C	269	0	5.2	0.0	5.2	
ER-WR						74.2	0.0	74.2	
Import/Export of ER (With SR)									
24	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	1364.0	0.0	18.1	-18.1	
25	HVDC	JEYPORE-GAZUWAKA B/B	D/C	0.0	516.0	0.0	9.0	-9.0	
26	LINK	TALCHER-KOLAR BIPOLE	D/C	0.0	1534.0	0.0	32.1	-32.1	
27	400 kV	TALCHER-I/C	D/C	0.0	956.0	0.0	14.1	-14.1	
28	220 kV	BALIMELA-UPPER-SILERRU	S/C	1.0	0.0	0.0	0.0	0.0	
ER-SR						0.0	59.2	-59.2	
Import/Export of ER (With NER)									
29	400 kV	BINAGURI-BONGAIGAON	D/C	1193	518	0.0	11.4	-11	
30		ALIPURDUAR-BONGAIGAON	D/C	0	261	0.0	3.1	-3	
31	220 kV	ALIPURDUAR-SALAKATI	D/C	0	125	0.0	2.0	-2	
ER-NER						0.0	16.5	-16.5	
Import/Export of NER (With NR)									
32	HVDC	BISWANATH CHARIALI-AGRA	-	0	700	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	1401	0.0	23.1	-23.1	
34		V'CHAL B/B	D/C	240	0	6.0	0.0	6.0	
35		APL -MHG	D/C	0	980	0.0	24.2	-24.2	
36		GWALIOR-AGRA	D/C	0	1002	0.0	18.9	-18.9	
37	765 kV	PHAGI-GWALIOR	D/C	0	832	0.0	12.3	-12.3	
38		JABALPUR-ORAI	D/C	236	187	0.0	2.7	-2.7	
39		GWALIOR-ORAI	S/C	304	0	5.4	0.0	5.4	
40		SATNA-ORAI	S/C	0	1478	0.0	33.3	-33.3	
41		400 kV	ZERDA-KANKROLI	S/C	438	0	7.9	0.0	7.9
42			ZERDA -BHINMAL	S/C	328	0	4.4	0.0	4.4
43			V'CHAL -RIHAND	S/C	489	0	11.4	0.0	11.4
44	RAPP-SHUJALPUR		D/C	363	0	2	0	2	
45	220 kV	BADOD-KOTA	S/C	84	0	2.3	0.0	2.3	
46		BADOD-MORAK	S/C	102	1	1.2	0.0	1.2	
47		MEHGAON-AURAIYA	S/C	156	0	2.6	0.0	2.6	
48	132kV	MALANPUR-AURAIYA	S/C	112	0	1.7	0.0	1.7	
49		GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0	
WR-NR						45.1	114.5	-69.4	
Import/Export of WR (With SR)									
50	HVDC	BHADRAWATI B/B	-	0	995	0.0	18.2	-18.2	
51	LINK	BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0	
52	765 kV	SOLAPUR-RAICHUR	D/C	1661	326	13.0	0.0	13.0	
53		WARDHA-NIZAMABAD	D/C	29	1776	0.0	23.2	-23.2	
54	400 kV	KOLHAPUR-KUDGI	D/C	1221	0	21.9	0.0	21.9	
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	0	0.0	0.0	0.0	
WR-SR						34.9	41.4	-6.5	
TRANSNATIONAL EXCHANGE									
58		BHUTAN						18.2	
59		NEPAL						-3.0	
60		BANGLADESH						-21.6	