



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: 4th 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 03.10.2018.

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 03-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 03rd 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

4-Oct-18

A. Maximum Demand

	NR	WR	SR	ER	NER	Total
Demand Met during Evening Peak hrs(MW) (at 2000 hrs: from RLDCs)	47886	52616	41332	22647	2620	167101
Peak Shortage (MW)	1762	0	20	718	74	2574
Energy Met (MU)	1084	1254	942	478	45	3804
Hydro Gen (MU)	235	38	107	106	23	508
Wind Gen (MU)	11	15	23	-----	-----	50
Solar Gen (MU)*	22.11	19.84	56.59	0.55	0.02	99
Energy Shortage (MU)	14.7	0.0	0.1	2.2	1.5	18.5
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	50593 18:47	55573 14:19	42120 13:10	23033 20:44	2640 18:28	170683 19:01

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	0.03	7.34	7.37	87.03	5.60

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	7401	0	170.9	30.4	-0.2	106	0.0	
	Haryana	7445	0	146.0	94.4	2.3	278	4.4	
	Rajasthan	9924	0	214.4	40.2	2.0	492	0.0	
	Delhi	4572	0	95.7	66.2	-0.8	130	0.2	
	UP	16745	0	362.4	126.3	1.5	323	3.5	
	Uttarakhand	1929	0	36.7	12.4	-0.1	123	0.0	
	HP	1359	0	26.3	5.4	1.4	117	0.0	
	J&K	1518	379	27.8	31.7	-16.6	-324	6.7	
	Chandigarh	217	0	4.2	4.6	-0.4	27	0.0	
	WR	Chhattisgarh	4474	0	102.0	33.9	-2.0	366	0.0
Gujarat		17881	0	398.2	134.1	7.1	603	0.0	
MP		9661	0	212.4	115.5	-1.9	351	0.0	
Maharashtra		22606	0	499.4	189.4	2.5	608	0.0	
Goa		518	0	12.2	9.3	-0.3	79	0.0	
DD		300	0	6.5	5.5	1.0	108	0.0	
DNH		741	0	17.1	16.4	0.7	99	0.0	
Essar steel		321	0	6.0	5.1	0.9	279	0.0	
SR		Andhra Pradesh	8666	0	192.5	64.1	1.0	712	0.0
		Telangana	10154	0	209.7	85.4	5.3	650	0.0
	Karnataka	8783	0	186.0	20.6	1.0	519	0.0	
	Kerala	3314	0	66.8	39.1	1.0	189	0.0	
	Tamil Nadu	13230	0	280.2	170.1	0.1	810	0.0	
	Pondy	334	20	7.2	7.0	0.2	51	0.1	
	ER	Bihar	5133	0	98.4	97.1	-0.7	50	0.0
		DVC	2725	-1	58.0	-27.3	6.8	550	1.0
		Jharkhand	1130	0	24.2	18.1	0.0	90	0.0
		Odisha	5473	-1	114.7	40.0	9.3	720	1.2
West Bengal		9006	0	181.7	66.8	3.4	380	0.0	
Sikkim		92	0	1.2	1.4	-0.2	20	0.0	
NER	Arunachal Pradesh	117	2	2.3	2.7	-0.4	129	0.0	
	Assam	1681	44	27.6	23.4	-0.4	173	1.5	
	Manipur	136	3	2.4	2.5	-0.1	29	0.0	
	Meghalaya	271	3	4.9	2.3	-0.1	34	0.0	
	Mizoram	81	4	1.4	1.1	-0.1	9	0.0	
	Nagaland	109	3	2.4	2.0	0.0	5	0.0	
	Tripura	270	1	4.3	4.5	-0.7	30	0.0	

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	20.0	-4.3	-22.1
Day peak (MW)	1030.5	-204.0	-958.2

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	80.6	-130.5	68.8	-20.1	1.4	0.2
Actual(MU)	64.4	-152.8	78.0	8.6	-0.4	-2.3
O/D/U/D(MU)	-16.2	-22.3	9.2	28.6	-1.8	-2.5

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	2629	14598	6312	1600	368	25507
State Sector	5295	13403	7090	5615	50	31453
Total	7924	28001	13402	7215	418	56960

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Thermal (Coal & Lignite)	692	1229	592	374	5	2891
Hydro	235	38	107	106	23	508
Nuclear	23	27	30	0	0	80
Gas, Naptha & Diesel	50	84	25	0	23	181
RES (Wind, Solar, Biomass & Others)	53	36	116	1	0	206
Total	1053	1414	869	480	50	3866

Share of RES in total generation (%)	5.07	2.53	13.37	0.12	0.09	5.33
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	29.56	7.13	29.10	22.13	45.38	20.53

H. Diversity Factor

All India Demand Diversity Factor	1.019
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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 : 4-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	464	0	7.0	0.0	7.0
2		SASARAM-FATEHPUR	S/C	495	0	8.8	0.0	8.8
3		GAYA-BALIA	S/C	31	91	0.0	0.5	-0.5
4		ALIPURDUAR-AGRA	-	0	401	0.0	8.5	-8.5
5	400 kV	PUSAULI B/B	S/C	0	398	0.0	9.9	-9.9
6		PUSAULI-VARANASI	S/C	0	339	0.0	7.6	-7.6
7		PUSAULI -ALLAHABAD	S/C	0	121	0.0	2.1	-2.1
8		MUZAFFARPUR-GORAKHPUR	D/C	261	375	0.0	1.6	-1.6
9		PATNA-BALIA	Q/C	57	593	0.0	7.5	-7.5
10		BIHARSHARIFF-BALIA	D/C	207	35	2.1	0.0	2.1
11		MOTIHARI-GORAKHPUR	D/C	303	14	4.0	0.0	4.0
12		BIHARSHARIFF-VARANASI	D/C	444	0	7.9	0.0	7.9
13	220 kV	PUSAULI-SAHUPURI	S/C	0	203	0.0	3.9	-3.9
14		SONE NAGAR-RIHAND	S/C	0	0	0.0	0.0	0.0
15		GARWAH-RIHAND	S/C	35	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						30.4	41.5	-11.2
Import/Export of ER (With WR)								
18	765 kV	JHARSUGUDA-DHARAMJAIGARH S/C	D/C	1524	0	27.9	0.0	27.9
19		NEW RANCHI-DHARAMJAIGARH	D/C	794	38	10.2	0.0	10.2
20	400 kV	JHARSUGUDA-RAIGARH	Q/C	1069	0	17.2	0.0	17.2
21		RANCHI-SIPAT	D/C	506	0	7.7	0.0	7.7
22	220 kV	BUDHIPADAR-RAIGARH	S/C	0	2	0.0	0.0	0.0
23		BUDHIPADAR-KORBA	D/C	300	0	5.4	0.0	5.4
ER-WR						68.3	0.0	68.3
Import/Export of ER (With SR)								
24	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	1607.0	0.0	28.6	-28.6
25	HVDC	JEYPORE-GAZUWAKA B/B	D/C	0.0	361.0	0.0	8.6	-8.6
26	LINK	TALCHER-KOLAR BIPOLE	D/C	0.0	1455.0	0.0	22.7	-22.7
27	400 kV	TALCHER-I/C	D/C	0.0	905.0	0.0	5.1	-5.1
28	220 kV	BALIMELA-UPPER-SILERRU	S/C	1.0	0.0	0.0	0.0	0.0
ER-SR						0.0	59.8	-59.8
Import/Export of ER (With NER)								
29	400 kV	BINAGURI-BONGAIGAON	D/C	885	655	0.0	9.0	-9
30		ALIPURDUAR-BONGAIGAON	D/C	0	392	0.0	3.7	-4
31	220 kV	ALIPURDUAR-SALAKATI	D/C	0	153	0.0	1.8	-2
ER-NER						0.0	14.4	-14.4
Import/Export of NER (With NR)								
32	HVDC	BISWANATH CHARIALI-AGRA	-	0	701	0.0	16.8	-16.8
NER-NR						0.0	16.8	-16.8
Import/Export of WR (With NR)								
33	HVDC	CHAMPA-KURUKSHETRA	D/C	0	900	0.0	17.7	-17.7
34		V'CHAL B/B	D/C	241	0	6.0	0.0	6.0
35		APL -MHG	D/C	0	788	0.0	19.4	-19.4
36		GWALIOR-AGRA	D/C	0	753	0.0	15.5	-15.5
37	765 kV	PHAGI-GWALIOR	D/C	0	722	0.0	11.4	-11.4
38		JABALPUR-ORAI	D/C	214	100	0.6	0.2	0.4
39		GWALIOR-ORAI	S/C	370	0	6.0	0.0	6.0
40		SATNA-ORAI	S/C	0	1443	0.0	30.0	-30.0
41		ZERDA-KANKROLI	S/C	490	0	9.6	0.0	9.6
42		ZERDA -BHINMAL	S/C	384	0	6.6	0.0	6.6
43	400 kV	V'CHAL -RIHAND	S/C	491	0	11.2	0.0	11.2
44		RAPP-SHUJALPUR	D/C	364	0	3	0	3
45		BADOD-KOTA	S/C	80	5	2.5	0.0	2.5
46		BADOD-MORAK	S/C	90	0	1.3	0.0	1.3
47	220 kV	MEHGAON-AURAIYA	S/C	127	0	2.2	0.0	2.2
48		MALANPUR-AURAIYA	S/C	92	0	1.4	0.0	1.4
49	132kV	GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0
WR-NR						50.3	94.2	-43.9
Import/Export of WR (With SR)								
50	HVDC	BHADRAWATI B/B	-	0	999	0.0	23.6	-23.6
51	LINK	BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0
52	765 kV	SOLAPUR-RAICHUR	D/C	642	835	0.2	0.0	0.2
53		WARDHA-NIZAMABAD	D/C	0	1930	0.0	32.6	-32.6
54	400 kV	KOLHAPUR-KUDGI	D/C	953	0	17.2	0.0	17.2
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	65	1.2	0.0	1.2
WR-SR						18.6	56.1	-37.6
TRANSNATIONAL EXCHANGE								
58		BHUTAN						20.0
59		NEPAL						-4.3
60		BANGLADESH						-22.1