



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: 19th 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 18.10.2018.

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 18-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 18th 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

19-Oct-18

A. Maximum Demand

	NR	WR	SR	ER	NER	Total
Demand Met during Evening Peak hrs(MW) (at 1900 hrs: from RLDCs)	47451	48422	37043	19238	2254	154408
Peak Shortage (MW)	514	0	75	0	29	618
Energy Met (MU)	1023	1215	839	385	41	3503
Hydro Gen (MU)	171	29	68	75	18	361
Wind Gen (MU)	7	18	19	-----	-----	44
Solar Gen (MU)*	21.86	19.81	58.12	0.81	0.03	101
Energy Shortage (MU)	11.3	0.0	0.2	0.0	0.9	12.4
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	49112 18:32	53960 10:58	36640 18:38	19645 18:27	2365 17:31	157080 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	0.050	0.00	0.21	15.59	15.80	78.50	5.71

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	6038	0	137.2	32.1	-0.1	103	0.0	
	Haryana	6697	0	146.3	99.4	1.4	267	1.7	
	Rajasthan	10686	0	219.6	38.0	3.1	463	0.0	
	Delhi	3986	0	80.4	63.1	-0.3	133	0.0	
	UP	16612	20	333.4	123.7	1.8	441	0.0	
	Uttarakhand	1759	0	35.6	13.7	-0.2	156	0.0	
	HP	1454	0	27.0	12.8	1.0	120	0.0	
	J&K	2001	500	40.2	36.1	-4.9	46	9.6	
	Chandigarh	186	0	3.4	3.5	0.0	21	0.0	
	WR	Chhattisgarh	4394	0	101.5	28.4	-0.9	792	0.0
Gujarat		15709	0	358.3	134.4	7.6	587	0.0	
MP		11510	0	252.1	139.9	-2.5	904	0.0	
Maharashtra		21380	0	463.4	184.3	-3.6	576	0.0	
Goa		470	0	9.7	10.0	-0.7	70	0.0	
DD		283	0	6.1	5.4	0.6	68	0.0	
DNH		712	0	15.8	15.0	0.8	108	0.0	
Essar steel		421	0	8.0	7.6	0.3	325	0.0	
SR		Andhra Pradesh	7604	0	172.6	74.2	1.1	617	0.0
		Telangana	8895	0	192.0	84.0	-0.1	470	0.0
	Karnataka	7839	0	151.5	37.5	-0.4	650	0.0	
	Kerala	3232	75	63.1	41.3	0.3	265	0.2	
	Tamil Nadu	11636	0	254.1	120.6	0.0	439	0.0	
	Pondy	287	0	6.1	6.5	-0.4	20	0.0	
	ER	Bihar	4421	0	82.2	81.3	-1.7	0	0.0
DVC		2853	0	61.4	-22.0	2.5	350	0.0	
Jharkhand		999	0	24.5	14.4	-0.4	0	0.0	
Odisha		4729	0	99.8	41.2	2.4	300	0.0	
West Bengal		6816	0	116.1	-2.6	1.6	100	0.0	
Sikkim		76	0	1.0	1.3	-0.4	0	0.0	
NER	Arunachal Pradesh	105	1	2.2	2.2	0.0	161	0.0	
	Assam	1384	21	22.5	15.8	1.2	164	0.8	
	Manipur	162	2	2.2	2.5	-0.3	46	0.0	
	Meghalaya	263	1	4.9	2.7	-0.1	79	0.0	
	Mizoram	81	1	1.8	0.8	0.3	7	0.0	
	Nagaland	99	2	2.6	1.9	0.2	15	0.0	
	Tripura	251	0	5.0	3.2	-0.7	19	0.1	

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	10.0	-1.1	-20.6
Day peak (MW)	770.0	-136.0	-904.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	151.9	-126.7	78.7	-98.5	-4.3	1.3
Actual(MU)	142.9	-130.3	77.5	-88.2	-6.9	-5.1
O/D/U/D(MU)	-9.1	-3.7	-1.3	10.2	-2.6	-6.3

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	5715	11583	7262	1010	56	25626
State Sector	8530	13459	7930	5085	50	35054
Total	14245	25042	15192	6095	106	60680

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Thermal (Coal & Lignite)	613	1216	529	425	7	2789
Hydro	171	29	68	75	18	361
Nuclear	24	27	23	0	0	74
Gas, Naptha & Diesel	41	44	25	0	27	137
RES (Wind, Solar, Biomass & Others)	54	39	123	1	0	216
Total	903	1355	767	501	52	3578

Share of RES in total generation (%)	5.95	2.87	16.00	0.17	0.06	6.04
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	27.54	7.02	27.84	15.19	34.96	18.22

H. Diversity Factor

All India Demand Diversity Factor	1.030
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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 : 19-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	0	0	0.0	6.8	-6.8
2		SASARAM-FATEHPUR	S/C	0	0	3.0	0.0	3.0
3		GAYA-BALIA	S/C	0	0	0.0	4.7	-4.7
4	HVDC	ALIPURDUAR-AGRA	-	0	0	0.0	11.9	-11.9
5		PUSAULI B/B	S/C	0	0	0.0	9.7	-9.7
6	400 kV	PUSAULI-VARANASI	S/C	0	0	0.0	5.7	-5.7
7		PUSAULI -ALLAHABAD	S/C	0	0	0.0	3.7	-3.7
8		MUZAFFARPUR-GORAKHPUR	D/C	0	0	0.0	9.1	-9.1
9		PATNA-BALIA	Q/C	0	0	0.0	16.0	-16.0
10		BIHARSHARIFF-BALIA	D/C	0	0	0.0	4.6	-4.6
11		MOTIHARI-GORAKHPUR	D/C	0	0	0.0	7.7	-7.7
12		BIHARSHARIFF-VARANASI	D/C	0	0	0.0	2.0	-2.0
13	220 kV	PUSAULI-SAHUPURI	S/C	0	0	0.0	3.2	-3.2
14	132 kV	SONE NAGAR-RIHAND	S/C	0	0	0.0	0.0	0.0
15		GARWAH-RIHAND	S/C	0	0	0.0	0.0	0.0
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						3.0	85.1	-82.1
Import/Export of ER (With WR)								
18	765 kV	JHARSUGUDA-DHARAMJAIGARH S/C	D/C	0	0	11.4	0.0	11.4
19		NEW RANCHI-DHARAMJAIGARH	D/C	0	0	0.0	0.1	-0.1
20	400 kV	JHARSUGUDA-RAIGARH	Q/C	0	0	6.6	0.0	6.6
21		RANCHI-SIPAT	D/C	0	0	2.2	0.0	2.2
22	220 kV	BUDHIPADAR-RAIGARH	S/C	0	0	0.0	0.0	0.0
23		BUDHIPADAR-KORBA	D/C	0	0	3.3	0.0	3.3
ER-WR						23.4	0.1	23.4
Import/Export of ER (With SR)								
24	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	0.0	0.0	18.8	-18.8
25	HVDC	JEYPORE-GAZUWAKA B/B	D/C	0.0	0.0	0.0	14.6	-14.6
26	LINK	TALCHER-KOLAR BIPOLE	D/C	0.0	0.0	0.0	29.4	-29.4
27	400 kV	TALCHER-I/C	D/C	0.0	0.0	3.0	0.0	3.0
28	220 kV	BALIMELA-UPPER-SILERRU	S/C	0.0	0.0	0.0	0.0	0.0
ER-SR						0.0	62.8	-62.8
Import/Export of ER (With NER)								
29	400 kV	BINAGURI-BONGAIGAON	D/C	0	0	0.0	6.6	-7
30		ALIPURDUAR-BONGAIGAON	D/C	0	0	0.0	1.4	-1
31	220 kV	ALIPURDUAR-SALAKATI	D/C	0	0	0.0	1.3	-1
ER-NER						0.0	9.2	-9.2
Import/Export of NER (With NR)								
32	HVDC	BISWANATH CHARIALI-AGRA	-	0	703	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	451	0.0	10.7	-10.7
34		V'CHAL B/B	D/C	241	0	6.1	0.0	6.1
35		APL -MHG	D/C	0	595	0.0	14.6	-14.6
36		GWALIOR-AGRA	D/C	0	673	0.0	22.8	-22.8
37	765 kV	PHAGI-GWALIOR	D/C	0	1046	0.0	16.6	-16.6
38		JABALPUR-ORAI	D/C	88	267	0.0	3.1	-3.1
39		GWALIOR-ORAI	S/C	471	0	8.6	0.0	8.6
40		SATNA-ORAI	S/C	0	1551	0.0	34.4	-34.4
41		ZERDA-KANKROLI	S/C	378	0	7.1	0.0	7.1
42		ZERDA -BHINMAL	S/C	303	0	4.7	0.0	4.7
43	400 kV	V'CHAL -RIHAND	S/C	488	0	11.0	0.0	11.0
44		RAPP-SHUJALPUR	D/C	197	0	0	3	-3
45		BADOD-KOTA	S/C	104	0	2.3	0.0	2.3
46	220 kV	BADOD-MORAK	S/C	99	0	1.8	0.0	1.8
47		MEHGAON-AURAIYA	S/C	126	0	2.2	0.0	2.2
48	132kV	MALANPUR-AURAIYA	S/C	84	0	1.3	0.0	1.3
49		GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0
WR-NR						44.9	105.2	-60.3
Import/Export of WR (With SR)								
50	HVDC	BHADRAWATI B/B	-	0	995	0.0	20.7	-20.7
51	LINK	BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0
52	765 kV	SOLAPUR-RAICHUR	D/C	22	1015	0.0	10.5	-10.5
53		WARDHA-NIZAMABAD	D/C	0	1785	0.0	30.9	-30.9
54	400 kV	KOLHAPUR-KUDGI	D/C	814	0	15.6	0.0	15.6
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	57	0.7	0.0	0.7
WR-SR						16.3	62.1	-45.8
TRANSNATIONAL EXCHANGE								
58		BHUTAN						10.0
59		NEPAL						-1.1
60		BANGLADESH						-20.6