



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: 16th 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 15.10.2018.

महोदय/Dear Sir,

आईईंजींसी-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 15-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 15th 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

16-Oct-18

A. Maximum Demand

	NR	WR	SR	ER	NER	Total
Demand Met during Evening Peak hrs(MW) (at 1900 hrs: from RLDCs)	46081	54589	42912	20097	2446	166125
Peak Shortage (MW)	677	149	0	0	91	917
Energy Met (MU)	975	1288	988	415	44	3710
Hydro Gen (MU)	174	34	105	79	20	412
Wind Gen (MU)	4	17	20	-----	-----	41
Solar Gen (MU)*	22.00	19.92	58.00	0.44	0.04	100
Energy Shortage (MU)	9.7	8.4	0.0	0.0	0.1	18.1
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	47755 18:47	57770 11:46	44201 11:41	20650 18:35	2532 18:04	168735 18:50

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	1.64	14.31	15.95	77.31	6.74

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	6296	0	143.4	58.7	-0.8	101	0.0
	Haryana	6685	0	140.3	99.1	2.0	316	0.5
	Rajasthan	10650	0	217.4	45.4	0.8	380	0.0
	Delhi	3837	0	75.1	55.0	-1.2	140	0.0
	UP	15921	0	294.9	114.9	-1.5	252	0.0
	Uttarakhand	1779	0	35.0	11.8	0.2	170	0.0
	HP	1431	0	26.6	11.3	0.4	144	0.0
	J&K	1881	470	38.8	37.7	-6.6	44	9.2
	Chandigarh	185	0	3.4	3.5	-0.1	21	0.0
WR	Chhattisgarh	4447	0	101.1	27.4	-1.0	333	0.1
	Gujarat	17415	0	383.8	139.5	9.6	958	0.0
	MP	11224	0	245.2	132.7	-1.1	579	0.0
	Maharashtra	24650	836	515.2	202.9	0.3	617	8.2
	Goa	470	0	11.1	10.1	0.6	86	0.0
	DD	323	0	7.2	6.3	0.8	88	0.0
	DNH	754	0	17.4	16.5	1.0	93	0.0
	Essar steel	396	0	7.3	8.1	-0.8	211	0.0
	Andhra Pradesh	9245	0	194.3	82.4	2.9	498	0.0
SR	Telangana	10487	0	219.5	95.7	3.8	495	0.0
	Karnataka	10292	0	203.5	45.7	0.7	475	0.0
	Kerala	3528	0	69.5	41.9	0.6	200	0.0
	Tamil Nadu	13670	0	294.1	133.7	1.8	444	0.0
	Pondy	362	0	7.3	7.4	-0.1	46	0.0
	Bihar	4669	0	81.4	80.2	-0.7	400	0.0
ER	DVC	2818	0	58.7	-26.6	2.8	250	0.0
	Jharkhand	1000	0	24.5	13.6	-0.4	0	0.0
	Odisha	4867	-250	107.0	38.6	4.1	300	0.0
	West Bengal	7517	0	142.5	17.7	-2.5	10	0.0
	Sikkim	93	0	1.1	1.1	0.0	15	0.0
	NER	Arunachal Pradesh	108	3	2.3	2.1	0.2	34
Assam		1557	42	25.3	19.0	1.0	263	0.0
Manipur		164	3	2.4	2.3	0.1	24	0.0
Meghalaya		282	0	5.3	0.5	0.1	18	0.0
Mizoram		87	1	1.7	0.8	0.5	9	0.0
Nagaland		115	2	2.3	1.6	0.2	6	0.0
Tripura		254	0	4.5	3.3	-0.2	82	0.0

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	12.6	-2.2	-19.4
Day peak (MW)	752.5	-126.0	-904.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	156.8	-146.6	87.3	-89.2	-4.3	3.9
Actual(MU)	134.9	-144.3	95.2	-83.4	-5.4	-3.1
O/D/U/D(MU)	-21.9	2.3	7.9	5.8	-1.1	-7.0

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	3104	12353	6972	1010	306	23745
State Sector	8400	13435	5920	5085	50	32890
Total	11504	25788	12892	6095	356	56634

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Thermal (Coal & Lignite)	581	1296	614	431	5	2925
Hydro	174	34	105	79	20	412
Nuclear	24	26	34	0	0	83
Gas, Naptha & Diesel	41	53	24	0	29	148
RES (Wind, Solar, Biomass & Others)	44	38	121	0	0	203
Total	864	1446	897	510	53	3771

Share of RES in total generation (%)	5.05	2.61	13.46	0.09	0.07	5.37
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	28.00	6.71	28.94	15.63	36.74	18.51

H. Diversity Factor

All India Demand Diversity Factor	1.025
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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 : 16-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	78	452	0.0	6.3	-6.3		
2		SASARAM-FATEHPUR	S/C	300	51	0.9	0.0	0.9		
3		GAYA-BALIA	S/C	0	240	0.0	4.3	-4.3		
4		ALIPURDUAR-AGRA	-	0	400	0.0	9.5	-9.5		
5	400 kV	PUSAULI B/B	S/C	0	399	0.0	9.4	-9.4		
6		PUSAULI-VARANASI	S/C	0	308	0.0	6.2	-6.2		
7		PUSAULI -ALLAHABAD	S/C	0	173	0.0	3.3	-3.3		
8		MUZAFFARPUR-GORAKHPUR	D/C	0	650	0.0	9.3	-9.3		
9		PATNA-BALIA	Q/C	0	845	0.0	15.4	-15.4		
10		BIHARSHARIFF-BALIA	D/C	0	264	0.0	4.3	-4.3		
11		MOTIHARI-GORAKHPUR	D/C	0	386	0.0	7.1	-7.1		
12		BIHARSHARIFF-VARANASI	D/C	200	182	0.0	1.0	-1.0		
13		220 kV	PUSAULI-SAHUPURI	S/C	0	202	0.0	3.5	-3.5	
14			SONE NAGAR-RIHAND	S/C	0	0	0.0	0.0	0.0	
15			132 kV	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						1.5	79.6	-78.1		
Import/Export of ER (With WR)										
18	765 kV	JHARSUGUDA-DHARAMJAIGARH S/C	D/C	0	833	0.0	13.4	-13.4		
19		NEW RANCHI-DHARAMJAIGARH	D/C	297	563	0.0	5.7	-5.7		
20	400 kV	JHARSUGUDA-RAIGARH	Q/C	181	497	0.0	4.9	-4.9		
21		RANCHI-SIPAT	D/C	217	164	0.0	0.8	-0.8		
22	220 kV	BUDHIPADAR-RAIGARH	S/C	0	1	0.0	0.0	0.0		
23		BUDHIPADAR-KORBA	D/C	144	1	1.7	0.0	1.7		
ER-WR						1.7	24.7	-23.0		
Import/Export of ER (With SR)										
24	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	0.0	0.0	0.0	0.0		
25	HVDC	JEYPORE-GAZUWAKA B/B	D/C	0.0	634.0	0.0	14.8	-14.8		
26	LINK	TALCHER-KOLAR BIPOLE	D/C	1.0	397.0	0.0	0.0	0.0		
27	400 kV	TALCHER-I/C	D/C	245.0	0.0	33.6	0.0	33.6		
28	220 kV	BALIMELA-UPPER-SILERRU	S/C	1.0	0.0	0.0	0.0	0.0		
ER-SR						0.0	14.8	-14.8		
Import/Export of ER (With NER)										
29	400 kV	BINAGURI-BONGAIGAON	D/C	0	501	0.0	6.3	-6		
30		ALIPURDUAR-BONGAIGAON	D/C	58	313	0.0	1.9	-2		
31	220 kV	ALIPURDUAR-SALAKATI	D/C	0	110	0.0	1.1	-1		
ER-NER						0.0	9.4	-9.4		
Import/Export of NER (With NR)										
32	HVDC	BISWANATH CHARIALI-AGRA	-	0	703	0.0	15.8	-15.8		
NER-NR						0.0	15.8	-15.8		
Import/Export of WR (With NR)										
33	HVDC	CHAMPA-KURUKSHETRA	D/C	0	454	0.0	10.7	-10.7		
34		V'CHAL B/B	D/C	242	0	6.1	0.0	6.1		
35		APL -MHG	D/C	0	595	0.0	14.6	-14.6		
36		765 kV	GWALIOR-AGRA	D/C	0	625	0.0	21.4	-21.4	
37	PHAGI-GWALIOR		D/C	0	1021	0.0	19.7	-19.7		
38	JABALPUR-ORAI		D/C	163	124	0.0	2.3	-2.3		
39	GWALIOR-ORAI		S/C	419	0	9.3	0.0	9.3		
40	SATNA-ORAI		S/C	0	1609	0.0	35.5	-35.5		
41	400 kV		ZERDA-KANKROLI	S/C	509	0	8.9	0.0	8.9	
42			ZERDA -BHINMAL	S/C	381	0	6.4	0.0	6.4	
43			V'CHAL -RIHAND	S/C	490	0	11.4	0.0	11.4	
44			RAPP-SHUJALPUR	D/C	215	0	3	0	3	
45	220 kV		BADOD-KOTA	S/C	123	0	2.7	0.0	2.7	
46			BADOD-MORAK	S/C	120	0	2.1	0.0	2.1	
47			MEHGAON-AURAIYA	S/C	134	0	2.5	0.0	2.5	
48	132kV	MALANPUR-AURAIYA	S/C	90	0	1.5	0.0	1.5		
49		GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0		
WR-NR						53.8	104.2	-50.4		
Import/Export of WR (With SR)										
50	HVDC	BHADRAWATI B/B	-	0	999	0.0	24.0	-24.0		
51	LINK	BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0		
52	765 kV	SOLAPUR-RAICHUR	D/C	0	2112	0.0	42.3	-42.3		
53		WARDHA-NIZAMABAD	D/C	0	2941	0.0	60.2	-60.2		
54	400 kV	KOLHAPUR-KUDGI	D/C	561	0	9.8	0.0	9.8		
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	1.3	0.0	1.3		
WR-SR						11.1	126.4	-115.4		
TRANSNATIONAL EXCHANGE										
58		BHUTAN						12.6		
59		NEPAL						-2.2		
60		BANGLADESH						-19.4		