



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: 31st 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 30.10.2018.

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 30-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 30th 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

31-Oct-18

A. Maximum Demand

	NR	WR	SR	ER	NER	Total
Demand Met during Evening Peak hrs(MW) (at 1900 hrs: from RLDCs)	43028	51613	44053	19718	2451	160863
Peak Shortage (MW)	457	0	370	610	61	1498
Energy Met (MU)	925	1231	1007	373	44	3580
Hydro Gen (MU)	151	23	116	65	13	369
Wind Gen (MU)	8	40	28	-----	-----	77
Solar Gen (MU)*	21.63	19.56	73.22	1.29	0.03	116
Energy Shortage (MU)	8.1	0.0	1.4	1.8	0.9	12.4
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	44137 18:49	56053 10:32	44466 18:51	19692 19:03	2477 18:03	163659 18:37

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	0.051	0.00	0.81	14.00	14.81	80.58	4.61

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	5758	0	123.0	33.7	-0.7	111	0.0
	Haryana	6304	100	125.0	87.9	-0.1	140	0.5
	Rajasthan	11001	0	223.0	50.9	2.2	569	0.0
	Delhi	3664	0	71.8	53.2	-0.2	378	0.0
	UP	13268	210	285.4	115.8	0.5	362	0.3
	Uttarakhand	1860	0	35.0	15.5	0.6	151	0.0
	HP	1481	0	27.8	15.9	1.8	235	0.0
	J&K	1657	414	30.6	37.6	-14.2	247	7.3
WR	Chandigarh	179	0	3.3	3.2	0.1	23	0.0
	Chhattisgarh	4039	0	86.4	32.6	-0.6	352	0.0
	Gujarat	15951	0	356.5	106.0	5.9	576	0.0
	MP	12244	0	259.0	140.3	-2.9	578	0.0
	Maharashtra	22586	0	483.9	162.0	-2.3	570	0.0
	Goa	475	0	9.8	8.9	0.2	58	0.0
	DD	320	0	7.2	6.2	1.0	105	0.0
	DNH	695	0	16.0	15.2	0.8	75	0.0
SR	Essar steel	606	0	11.7	12.0	-0.3	233	0.0
	Andhra Pradesh	8915	0	191.9	64.6	8.2	959	0.0
	Telangana	9729	0	210.0	89.6	2.0	610	0.0
	Karnataka	10544	0	215.6	46.1	2.5	584	0.0
	Kerala	3407	320	69.9	42.7	1.3	278	1.4
	Tamil Nadu	14741	0	312.5	154.0	4.8	809	0.0
	Pondy	337	20	7.0	7.1	-0.1	37	0.1
	ER	Bihar	4507	0	80.9	73.3	4.6	100
DVC		3070	0	63.8	-26.2	0.9	150	0.0
Jharkhand		1000	0	21.9	15.6	1.6	150	0.8
Odisha		4685	350	93.6	31.3	1.6	300	1.1
West Bengal		6902	0	111.8	26.8	2.0	200	0.0
Sikkim		94	0	1.3	1.2	0.1	20	0.0
NER	Arunachal Pradesh	120	2	2.0	2.0	0.1	2	0.0
	Assam	1550	33	25.8	20.3	1.5	184	0.9
	Manipur	175	3	2.4	2.3	0.2	39	0.0
	Meghalaya	303	0	5.4	2.7	-0.1	24	0.0
	Mizoram	87	1	1.6	1.0	0.2	0	0.0
	Nagaland	117	2	2.1	1.7	0.0	18	0.0
	Tripura	238	2	4.8	2.3	0.6	22	0.0

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	7.8	-2.5	-19.5
Day peak (MW)	480.6	-170.0	-891.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	134.5	-177.0	108.6	-60.8	-4.5	0.7
Actual(MU)	106.6	-189.6	129.5	-46.9	-5.0	-5.3
OD/UD(MU)	-27.8	-12.6	20.9	14.0	-0.5	-6.0

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	4344	14903	9532	2030	151	30960
State Sector	11305	12978	5350	4695	50	34378
Total	15649	27881	14882	6725	201	65337

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Thermal (Coal & Lignite)	569	1230	545	383	11	2738
Hydro	151	23	116	65	13	369
Nuclear	24	30	43	0	0	98
Gas, Naptha & Diesel	58	84	24	0	28	194
RES (Wind, Solar, Biomass & Others)	46	61	142	1	0	250
Total	849	1428	870	450	52	3650

Share of RES in total generation (%)	5.45	4.27	16.30	0.29	0.06	6.86
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	26.13	8.01	34.56	14.82	25.50	19.64

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 :	31-Oct-18
SI No	Voltage Level	Line Details	Circuit	Max Import (MW)	Max Export (MW)	Import (MU)	Export (MU)	NET (MU)	
								Import=(+ve) /Export =(-ve) for NET (MU)	
Import/Export of ER (With NR)									
1	765kV	GAYA-VARANASI	D/C	211	244	0.5	0.0	0.5	
2		SASARAM-FATEHPUR	S/C	266	36	3.7	0.0	3.7	
3		GAYA-BALIA	S/C	41	109	0.0	1.0	-1.0	
4	HVDC	ALIPURDUAR-AGRA	-	0	305	0.0	3.5	-3.5	
5		PUSAULI B/B	S/C	0	401	0.0	9.9	-9.9	
6	400 kV	PUSAULI-VARANASI	S/C	0	299	0.0	6.6	-6.6	
7		PUSAULI-ALLAHABAD	S/C	0	180	0.0	3.1	-3.1	
8		MUZAFFARPUR-GORAKHPUR	D/C	104	392	0.0	1.3	-1.3	
9		PATNA-BALIA	Q/C	0	644	0.0	10.9	-10.9	
10		BIHARSHARIFF-BALIA	D/C	91	134	0.1	0.0	0.1	
11		MOTIHARI-GORAKHPUR	D/C	0	290	0.0	5.7	-5.7	
12		BIHARSHARIFF-VARANASI	D/C	249	43	2.7	0.0	2.7	
13	220 kV	PUSAULI-SAHUPURI	S/C	0	147	0.0	3.1	-3.1	
14	132 kV	SONE NAGAR-RIHAND	S/C	0	0	0.0	0.0	0.0	
15		GARWAH-RIHAND	S/C	25	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	7.6	45.1	-37.5
Import/Export of ER (With WR)									
18	765 kV	JHARSUGUDA-DHARAMJAIGARH S/C	D/C	1338	0	23.8	0.0	23.8	
19		NEW RANCHI-DHARAMJAIGARH	D/C	337	153	3.2	0.0	3.2	
20	400 kV	JHARSUGUDA-RAIGARH	Q/C	595	0	11.6	0.0	11.6	
21		RANCHI-SIPAT	D/C	200	0	3.9	0.0	3.9	
22	220 kV	BUDHIPADAR-RAIGARH	S/C	0	1	0.0	0.0	0.0	
23		BUDHIPADAR-KORBA	D/C	246	0	4.2	0.0	4.2	
						ER-WR	46.7	0.0	46.7
Import/Export of ER (With SR)									
24	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	1671.0	0.0	28.0	-28.0	
25	HVDC	JEYPORE-GAZUWAKA B/B	D/C	0.0	661.0	0.0	15.7	-15.7	
26	LINK	TALCHER-KOLAR BIPOLE	D/C	0.0	1967.0	0.0	42.6	-42.6	
27	400 kV	TALCHER-I/C	D/C	0.0	988.0	0.0	15.1	-15.1	
28	220 kV	BALIMELA-UPPER-SILERRU	S/C	1.0	0.0	0.0	0.0	0.0	
						ER-SR	0.0	86.3	-86.3
Import/Export of ER (With NER)									
29	400 kV	BINAGURI-BONGAIGAON	D/C	114	338	0.0	3.8	-4	
30		ALIPURDUAR-BONGAIGAON	D/C	187	232	0.0	1.8	-2	
31	220 kV	ALIPURDUAR-SALAKATI	D/C	21	91	0.0	1.0	-1	
						ER-NER	0.0	6.5	-6.5
Import/Export of NER (With NR)									
32	HVDC	BISWANATH CHARIALI-AGRA	-	0	652	0.0	12.1	-12.1	
						NER-NR	0.0	12.1	-12.1
Import/Export of WR (With NR)									
33	HVDC	CHAMPA-KURUKSHETRA	D/C	0	653	0.0	15.3	-15.3	
34		V'CHAL B/B	D/C	241	0	6.0	0.0	6.0	
35		APL -MHG	D/C	0	981	0.0	24.2	-24.2	
36	765 kV	GWALIOR-AGRA	D/C	0	874	0.0	26.4	-26.4	
37		PHAGI-GWALIOR	D/C	0	1110	0.0	17.1	-17.1	
38		JABALPUR-ORAI	D/C	328	254	0.9	0.0	0.9	
39		GWALIOR-ORAI	S/C	498	0	8.5	0.0	8.5	
40		SATNA-ORAI	S/C	0	1609	0.0	35.0	-35.0	
41	400 kV	ZERDA-KANKROLI	S/C	447	0	7.2	0.0	7.2	
42		ZERDA -BHINMAL	S/C	344	61	2.9	0.0	2.9	
43		V'CHAL -RIHAND	S/C	488	0	11.3	0.0	11.3	
44		RAPP-SHUJALPUR	D/C	478	0	4	0	4	
45	220 kV	BADOD-KOTA	S/C	62	0	2.0	0.0	2.0	
46		BADOD-MORAK	S/C	40	52	0.2	0.2	0.1	
47		MEHGAON-AURAIYA	S/C	138	0	2.4	0.0	2.4	
48		MALANPUR-AURAIYA	S/C	99	0	1.7	0.0	1.7	
49	132kV	GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0	
						WR-NR	46.6	118.2	-71.5
Import/Export of WR (With SR)									
50	HVDC	BHADRAWATI B/B	-	0	999	0.0	23.1	-23.1	
51	LINK	BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0	
52	765 kV	SOLAPUR-RAICHUR	D/C	10	2002	0.0	26.7	-26.7	
53		WARDHA-NIZAMABAD	D/C	0	2067	0.0	31.2	-31.2	
54	400 kV	KOLHAPUR-KUDGI	D/C	733	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	62	1.2	0.0	1.2	
						WR-SR	11.0	81.0	-70.0
TRANSNATIONAL EXCHANGE									
58		BHUTAN						7.8	
59		NEPAL						-2.5	
60		BANGLADESH						-19.5	