



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: 27th 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., डोंगतेिह, 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 26.10.2018.

महोदय/Dear Sir,

आईईंजींसीं-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 26-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 26th 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 27-Oct-18

A. Maximum Demand

	NR	WR	SR	ER	NER	Total
Demand Met during Evening Peak hrs(MW) (at 1900 hrs: from RLDCs)	44213	52233	44428	19923	2514	163311
Peak Shortage (MW)	1263	0	120	262	58	1703
Energy Met (MU)	948	1255	1008	394	44	3650
Hydro Gen (MU)	140	25	93	67	15	339
Wind Gen (MU)	6	25	67	-----	-----	98
Solar Gen (MU)*	21.31	20	64.49	0.82	0.00	107
Energy Shortage (MU)	9.6	0.0	0.5	0.8	0.8	11.6
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	45820 18:32	56597 11:13	44548 18:48	19795 19:05	2540 18:04	165166 18:27

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	0.029	0.00	0.01	5.24	5.25	84.83	9.92

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	5682	0	133.2	39.6	-0.4	144	0.0	
	Haryana	6445	0	129.4	91.7	0.4	220	0.0	
	Rajasthan	11144	0	222.4	40.3	1.1	452	0.0	
	Delhi	3676	0	73.2	56.6	-0.5	149	0.0	
	UP	14113	830	293.6	117.3	-0.5	165	0.0	
	Uttarakhand	1829	0	24.4	15.8	0.8	153	0.0	
	HP	1520	0	28.0	14.6	2.1	327	0.0	
	J&K	1952	488	40.4	37.0	-5.2	29	9.6	
	Chandigarh	174	0	3.2	3.2	0.1	36	0.0	
	WR	Chhattisgarh	4216	0	90.6	25.8	-2.4	176	0.0
Gujarat		16298	0	365.6	122.8	7.0	585	0.0	
MP		11921	0	259.4	146.0	2.9	638	0.0	
Maharashtra		23102	0	497.5	178.6	-2.9	551	0.0	
Goa		470	0	10.6	9.8	0.4	87	0.0	
DD		340	0	7.6	6.5	1.1	113	0.0	
DNH		705	0	16.4	15.8	0.6	99	0.0	
Essar steel		389	0	7.9	8.1	-0.2	268	0.0	
SR		Andhra Pradesh	8763	0	196.4	65.8	2.1	597	0.0
		Telangana	10577	0	219.9	97.6	2.5	560	0.0
	Karnataka	10022	0	205.2	48.1	0.6	462	0.0	
	Kerala	3622	120	71.4	40.8	0.7	306	0.5	
	Tamil Nadu	14485	0	307.7	150.9	0.3	443	0.0	
	Pondy	345	0	7.2	7.3	-0.1	30	0.0	
ER	Bihar	4259	0	76.1	75.3	-1.6	365	0.0	
	DVC	2941	0	62.0	-21.4	2.2	415	0.4	
	Jharkhand	1138	144	22.5	14.9	0.6	185	0.4	
	Odisha	4689	0	99.7	33.2	3.5	378	0.0	
	West Bengal	7385	0	132.7	38.0	5.2	445	0.0	
	Sikkim	96	0	1.5	1.4	0.1	20	0.0	
NER	Arumachal Pradesh	102	1	1.9	1.9	0.1	19	0.0	
	Assam	1610	84	27.2	20.9	1.7	135	0.7	
	Manipur	157	2	2.3	2.4	-0.1	29	0.0	
	Meghalaya	306	0	5.3	2.8	0.1	67	0.0	
	Mizoram	86	1	1.8	0.9	0.3	13	0.0	
	Nagaland	134	3	2.0	1.7	-0.2	39	0.0	
	Tripura	249	0	3.9	2.5	-0.3	12	0.0	

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	8.1	-2.3	-15.3
Day peak (MW)	510.4	-146.0	-772.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	134.5	-172.3	101.1	-63.1	-0.2	-0.1
Actual(MU)	123.0	-182.0	106.6	-47.5	0.8	1.0
O/D/U/D(MU)	-11.5	-9.7	5.6	15.6	1.0	1.0

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	4395	12567	8372	810	331	26475
State Sector	9205	13051	5980	5945	50	34231
Total	13600	25618	14352	6755	381	60706

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Thermal (Coal & Lignite)	596	1271	575	394	28	2865
Hydro	140	25	93	67	0	324
Nuclear	24	29	43	0	0	97
Gas, Naptha & Diesel	50	71	25	0	48	193
RES (Wind, Solar, Biomass & Others)	44	46	170	1	0	261
Total	854	1442	906	462	76	3740

Share of RES in total generation (%)	5.18	3.19	18.72	0.19	0.00	6.97
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	24.35	6.95	33.79	14.60	0.08	18.23

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 : 27-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	329	180	1.0	0.0	1.0
2		SASARAM-FATEHPUR	S/C	385	0	5.3	0.0	5.3
3		GAYA-BALIA	S/C	28	150	0.0	1.6	-1.6
4		ALIPURDUAR-AGRA	-	0	308	0.0	7.5	-7.5
5	HVDC	PUSAULI B/B	S/C	0	398	0.0	9.7	-9.7
6	400 kV	PUSAULI-VARANASI	S/C	0	297	0.0	6.4	-6.4
7		PUSAULI -ALLAHABAD	S/C	0	172	0.0	3.1	-3.1
8		MUZAFFARPUR-GORAKHPUR	D/C	269	231	0.0	0.6	-0.6
9		PATNA-BALIA	Q/C	0	579	0.0	9.7	-9.7
10		BIHARSHARIFF-BALIA	D/C	138	92	0.1	0.0	0.1
11		MOTIHARI-GORAKHPUR	D/C	0	305	0.0	6.1	-6.1
12		BIHARSHARIFF-VARANASI	D/C	336	0	3.2	0.0	3.2
13	220 kV	PUSAULI-SAHUPURI	S/C	0	152	0.0	3.0	-3.0
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						10.4	47.6	-37.3
Import/Export of ER (With WR)								
18	765 kV	JHARSUGUDA-DHARAMJAIGARH S/C	D/C	0	0	0.0	0.0	0.0
19		NEW RANCHI-DHARAMJAIGARH	D/C	544	47	8.2	0.0	8.2
20	400 kV	JHARSUGUDA-RAIGARH	Q/C	1496	0	27.3	0.0	27.3
21		RANCHI-SIPAT	D/C	280	0	4.8	0.0	4.8
22	220 kV	BUDHIPADAR-RAIGARH	S/C	0	1	0.0	0.0	0.0
23		BUDHIPADAR-KORBA	D/C	278	0	4.4	0.0	4.4
ER-WR						44.6	0.0	44.6
Import/Export of ER (With SR)								
24	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	1353.0	0.0	24.7	-24.7
25	HVDC	JEYPORE-GAZUWAKA B/B	D/C	0.0	672.0	0.0	15.9	-15.9
26	LINK	TALCHER-KOLAR BIPOLE	D/C	0.0	1492.0	0.0	47.9	-47.9
27	400 kV	TALCHER-1/C	D/C	0.0	772.0	0.0	9.0	-9.0
28	220 kV	BALIMELA-UPPER-SILERRU	S/C	1.0	0.0	0.0	0.0	0.0
ER-SR						0.0	88.5	-88.5
Import/Export of ER (With NER)								
29	400 kV	BINAGURI-BONGAIGAON	D/C	0	518	0.0	8.0	-8
30		ALIPURDUAR-BONGAIGAON	D/C	0	368	0.0	4.7	-5
31	220 kV	ALIPURDUAR-SALAKATI	D/C	0	114	0.0	1.6	-2
ER-NER						0.0	14.3	-14.3
Import/Export of NER (With NR)								
32	HVDC	BISWANATH CHARIALI-AGRA	-	0	703	0.0	14.2	-14.2
NER-NR						0.0	14.2	-14.2
Import/Export of WR (With NR)								
33	HVDC	CHAMPA-KURUKSHETRA	D/C	0	1002	0.0	23.7	-23.7
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		GWALIOR-AGRA	D/C	0	681	0.0	24.3	-24.3
37	765 kV	PHAGI-GWALIOR	D/C	0	1267	0.0	17.2	-17.2
38		JABALPUR-ORAI	D/C	205	276	0.0	1.5	-1.5
39		GWALIOR-ORAI	S/C	431	0	7.3	0.0	7.3
40		SATNA-ORAI	S/C	0	1652	0.0	37.3	-37.3
41		ZERDA-KANKROLI	S/C	363	16	3.7	0.0	3.7
42	400 kV	ZERDA -BHINMAL	S/C	444	13	5.4	0.0	5.4
43		V'CHAL -RIHAND	S/C	486	0	11.1	0.0	11.1
44		RAPP-SHUJALPUR	D/C	421	0	0	3	-3
45	220 kV	BADOD-KOTA	S/C	118	0	3.4	0.0	3.4
46		BADOD-MORAK	S/C	98	13	1.4	0.0	1.4
47		MEHGAON-AURAIYA	S/C	114	0	1.9	0.0	1.9
48	132kV	MALANPUR-AURAIYA	S/C	74	0	1.1	0.0	1.1
49		GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0
WR-NR						41.4	121.7	-80.4
Import/Export of WR (With SR)								
50	HVDC	BHADRAWATI B/B	-	0	995	0.0	23.9	-23.9
51	LINK	BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0
52	765 kV	SOLAPUR-RAICHUR	D/C	709	1810	0.0	15.2	-15.2
53		WARDHA-NIZAMABAD	D/C	0	2080	0.0	32.7	-32.7
54	400 kV	KOLHAPUR-KUDGI	D/C	1013	0	13.5	0.0	13.5
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						14.7	71.8	-57.1
TRANSNATIONAL EXCHANGE								
58		BHUTAN						8.1
59		NEPAL						-2.3
60		BANGLADESH						-15.3