



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: 28th 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, लापालंग, 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 27.10.2018.

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 27-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 27th 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

28-Oct-18

A. Maximum Demand

	NR	WR	SR	ER	NER	Total
Demand Met during Evening Peak hrs(MW) (at 1900 hrs: from RLDCs)	43214	52608	44028	19496	2501	161847
Peak Shortage (MW)	1436	0	75	188	81	1780
Energy Met (MU)	944	1246	1002	385	44	3621
Hydro Gen (MU)	151	24	91	65	14	345
Wind Gen (MU)	3	25	58	-----	-----	87
Solar Gen (MU)*	21.64	19.1	71.94	0.96	0.05	114
Energy Shortage (MU)	5.5	0.0	0.4	0.6	0.7	7.2
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	44463 18:38	56424 11:00	43992 18:51	19564 18:15	2534 18:33	163378 18:34

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	0.041	0.00	0.17	10.66	10.83	80.88	8.29

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	5896	0	137.1	35.8	-0.6	135	0.0	
	Haryana	6161	0	126.0	94.2	0.7	176	0.0	
	Rajasthan	10903	0	219.4	41.4	1.1	304	0.0	
	Delhi	3450	0	68.9	52.5	-1.1	74	0.0	
	UP	13581	960	285.3	113.6	-0.7	266	0.0	
	Uttarakhand	1754	0	35.8	16.0	0.3	281	0.0	
	HP	1474	0	28.5	16.2	1.1	145	0.0	
	J&K	1905	476	39.3	37.9	-6.0	31	5.4	
	Chandigarh	165	0	3.1	3.3	-0.1	32	0.0	
	WR	Chhattisgarh	4037	0	88.9	24.6	-1.6	253	0.0
Gujarat		16194	0	360.1	120.2	8.1	720	0.0	
MP		12088	0	260.3	149.9	0.6	687	0.0	
Maharashtra		23277	0	496.1	170.9	-0.5	960	0.0	
Goa		470	0	10.5	9.9	0.2	48	0.0	
DD		336	0	7.5	6.5	1.0	69	0.0	
DNH		678	0	15.8	15.4	0.4	102	0.0	
Essar steel		451	0	7.0	6.3	0.7	302	0.0	
SR		Andhra Pradesh	8633	0	192.7	65.1	2.1	635	0.0
		Telangana	9998	0	216.7	95.9	0.9	516	0.0
	Karnataka	9769	0	204.0	42.9	0.9	445	0.0	
	Kerala	3607	0	71.8	42.5	0.9	273	0.4	
	Tamil Nadu	14354	0	309.7	148.0	2.9	657	0.0	
	Pondy	331	0	7.1	7.3	-0.2	18	0.0	
ER	Bihar	4265	0	74.0	74.3	-2.8	50	0.0	
	DVC	2948	0	63.2	-21.5	1.4	200	0.0	
	Jharkhand	1064	188	22.3	15.2	0.3	150	0.6	
	Odisha	4625	0	94.2	35.5	1.1	210	0.0	
	West Bengal	7020	0	129.8	44.6	2.2	380	0.0	
	Sikkim	95	0	1.3	1.3	0.0	25	0.0	
NER	Arumachal Pradesh	96	7	2.1	1.9	0.2	20	0.0	
	Assam	1598	23	26.9	21.4	1.2	101	0.7	
	Manipur	142	6	2.3	2.3	0.1	21	0.0	
	Meghalaya	305	6	5.3	2.7	0.0	29	0.0	
	Mizoram	89	2	1.8	0.9	0.2	18	0.0	
	Nagaland	132	11	2.0	1.7	-0.2	26	0.0	
	Tripura	245	2	3.9	2.3	0.2	65	0.0	

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	8.0	-2.2	-15.9
Day peak (MW)	423.4	-142.0	-916.4

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	127.9	-178.0	103.9	-54.1	0.7	0.4
Actual(MU)	108.8	-183.1	111.2	-39.8	1.1	-1.9
O/D/U/D(MU)	-19.2	-5.1	7.3	14.3	0.4	-2.3

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	4395	13167	8372	810	401	27145
State Sector	9565	13362	6370	7215	50	36562
Total	13960	26529	14742	8025	451	63707

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Thermal (Coal & Lignite)	592	1272	568	391	6	2828
Hydro	151	24	91	65	14	345
Nuclear	24	29	43	0	0	97
Gas, Naptha & Diesel	41	69	25	0	24	158
RES (Wind, Solar, Biomass & Others)	41	46	170	1	0	258
Total	849	1440	897	457	43	3686

Share of RES in total generation (%)	4.82	3.16	18.97	0.22	0.07	6.99
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	25.51	6.85	33.93	14.47	32.47	18.99

H. Diversity Factor

All India Demand Diversity Factor	1.022
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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 : 28-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	295	240	0.0	0.1	-0.1
2		SASARAM-FATEHPUR	S/C	346	0	4.6	0.0	4.6
3		GAYA-BALIA	S/C	30	161	0.0	1.7	-1.7
4	HVDC	ALIPURDUAR-AGRA	-	0	251	0.0	6.2	-6.2
5		PUSAULI B/B	S/C	0	400	0.0	9.8	-9.8
6	400 kV	PUSAULI-VARANASI	S/C	0	309	0.0	6.4	-6.4
7		PUSAULI -ALLAHABAD	S/C	0	178	0.0	3.1	-3.1
8		MUZAFFARPUR-GORAKHPUR	D/C	245	256	0.0	0.5	-0.5
9		PATNA-BALIA	Q/C	0	629	0.0	11.8	-11.8
10		BIHARSHARIFF-BALIA	D/C	128	118	0.2	0.0	0.2
11		MOTIHARI-GORAKHPUR	D/C	0	327	0.0	6.2	-6.2
12		BIHARSHARIFF-VARANASI	D/C	335	0	2.8	0.0	2.8
13	220 kV	PUSAULI-SAHUPURI	S/C	0	158	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						8.2	48.6	-40.4
Import/Export of ER (With WR)								
18	765 kV	JHARSUGUDA-DHARAMJAIGARH S/C	D/C	1214	0	19.8	0.0	19.8
19		NEW RANCHI-DHARAMJAIGARH	D/C	461	275	4.7	0.0	4.7
20	400 kV	JHARSUGUDA-RAIGARH	Q/C	1074	0	16.9	0.0	16.9
21		RANCHI-SIPAT	D/C	266	0	4.7	0.0	4.7
22	220 kV	BUDHIPADAR-RAIGARH	S/C	0	1	0.0	0.0	0.0
23		BUDHIPADAR-KORBA	D/C	220	0	4.1	0.0	4.1
ER-WR						50.1	0.0	50.1
Import/Export of ER (With SR)								
24	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	1764.0	0.0	30.4	-30.4
25	HVDC	JEYPORE-GAZUWAKA B/B	D/C	0.0	681.0	0.0	13.1	-13.1
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	758.0	0.0	9.7	-9.7
28	220 kV	BALIMELA-UPPER-SILERRU	S/C	1.0	0.0	0.0	0.0	0.0
ER-SR						0.0	91.3	-91.3
Import/Export of ER (With NER)								
29	400 kV	BINAGURI-BONGAIGAON	D/C	0	512	0.0	8.1	-8
30		ALIPURDUAR-BONGAIGAON	D/C	0	375	0.0	5.4	-5
31	220 kV	ALIPURDUAR-SALAKATI	D/C	0	115	0.0	1.8	-2
ER-NER						0.0	15.3	-15.3
Import/Export of NER (With NR)								
32	HVDC	BISWANATH CHARIALI-AGRA	-	0	702	0.0	14.7	-14.7
NER-NR						0.0	14.7	-14.7
Import/Export of WR (With NR)								
33	HVDC	CHAMPA-KURUKSHETRA	D/C	0	1002	0.0	23.9	-23.9
34		V'CHAL B/B	D/C	242	0	6.0	0.0	6.0
35		APL -MHG	D/C	0	981	0.0	15.6	-15.6
36		GWALIOR-AGRA	D/C	0	734	0.0	25.0	-25.0
37	765 kV	PHAGI-GWALIOR	D/C	0	1164	0.0	16.7	-16.7
38		JABALPUR-ORAI	D/C	219	307	0.0	2.5	-2.5
39		GWALIOR-ORAI	S/C	408	0	7.6	0.0	7.6
40		SATNA-ORAI	S/C	0	1638	0.0	34.9	-34.9
41		ZERDA-KANKROLI	S/C	416	0	3.3	0.0	3.3
42	400 kV	ZERDA -BHINMAL	S/C	400	28	4.8	0.0	4.8
43		V'CHAL -RIHAND	S/C	488	0	11.4	0.0	11.4
44		RAPP-SHUJALPUR	D/C	501	0	3	0	3
45	220 kV	BADOD-KOTA	S/C	107	0	3.2	0.0	3.2
46		BADOD-MORAK	S/C	110	100	1.4	0.1	1.3
47		MEHGAON-AURAIYA	S/C	97	0	1.8	0.0	1.8
48	132kV	MALANPUR-AURAIYA	S/C	66	0	1.0	0.0	1.0
49		GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0
WR-NR						43.7	118.6	-74.9
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	738	1681	0.0	14.5	-14.5
53		WARDHA-NIZAMABAD	D/C	0	2230	0.0	34.3	-34.3
54	400 kV	KOLHAPUR-KUDGI	D/C	983	0	13.4	0.0	13.4
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	58	1.2	0.0	1.2
WR-SR						14.6	72.7	-58.1
TRANSNATIONAL EXCHANGE								
58		BHUTAN						8.0
59		NEPAL						-2.2
60		BANGLADESH						-15.9