



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: 3rd 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 02.10.2018.

महोदय/Dear Sir,

आईईंजींसी-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 02-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 02nd 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

3-Oct-18

A. Maximum Demand

	NR	WR	SR	ER	NER	Total
Demand Met during Evening Peak hrs(MW) (at 2000 hrs: from RLDCs)	45652	51042	39655	22081	2537	160967
Peak Shortage (MW)	802	0	0	1100	54	1956
Energy Met (MU)	1037	1236	915	485	47	3720
Hydro Gen (MU)	239	39	84	97	22	482
Wind Gen (MU)	14	13	25	-----	-----	52
Solar Gen (MU)*	22.33	20.4	59.32	0.98	0.01	103
Energy Shortage (MU)	9.5	0.0	0.0	3.3	1.4	14.2
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	48371 19:12	54285 14:32	40057 18:53	22416 20:32	2649 18:20	164742 19:06

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	0.00	5.89	5.89	84.38	9.73

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	6507	0	151.8	14.1	0.0	101	0.0	
	Haryana	6586	0	133.7	88.6	0.5	226	0.0	
	Rajasthan	9885	0	211.5	41.8	2.5	439	0.0	
	Delhi	4164	0	83.7	54.7	-1.2	147	0.0	
	UP	16692	340	357.2	127.4	-0.3	345	0.0	
	Uttarakhand	1598	0	32.5	11.4	-0.6	125	0.0	
	HP	1194	0	23.3	3.3	0.8	128	0.0	
	J&K	1954	488	40.0	32.0	-4.3	222	9.5	
	Chandigarh	188	0	3.6	4.2	-0.6	19	0.0	
	WR	Chhattisgarh	4349	0	101.4	32.3	-0.7	219	0.0
Gujarat		17411	0	398.2	126.9	7.2	796	0.0	
MP		9311	0	209.8	112.5	0.6	401	0.0	
Maharashtra		22505	0	486.1	185.0	2.2	563	0.0	
Goa		518	0	13.2	7.7	2.3	71	0.0	
DD		263	0	6.0	5.5	0.5	72	0.0	
DNH		706	0	16.5	16.0	0.5	74	0.0	
Essar steel		270	0	4.9	4.7	0.2	229	0.0	
SR		Andhra Pradesh	8601	0	189.1	65.8	2.8	606	0.0
		Telangana	9817	0	208.6	90.2	1.6	562	0.0
	Karnataka	8135	0	168.7	25.7	-1.0	455	0.0	
	Kerala	3165	0	65.0	38.0	1.4	216	0.0	
	Tamil Nadu	12308	0	277.0	156.2	0.6	600	0.0	
	Pondy	312	0	6.7	6.7	-0.1	37	0.0	
ER	Bihar	4979	0	104.0	99.6	1.5	402	0.0	
	DVC	2737	200	57.9	-26.1	8.6	415	1.8	
	Jharkhand	1169	0	24.2	16.8	1.5	145	0.3	
	Odisha	5473	400	123.5	44.9	7.9	542	1.2	
	West Bengal	8685	0	174.7	67.1	3.2	445	0.0	
	Sikkim	78	0	0.9	1.3	-0.5	20	0.0	
NER	Arunachal Pradesh	118	2	2.0	2.4	-0.4	40	0.0	
	Assam	1586	44	28.3	23.5	0.3	181	1.4	
	Manipur	142	19	2.4	2.5	-0.1	25	0.0	
	Meghalaya	281	2	5.2	2.4	0.2	51	0.0	
	Mizoram	78	3	1.4	1.1	0.0	22	0.0	
	Nagaland	99	6	2.4	1.6	0.3	39	0.0	
	Tripura	280	3	4.9	4.7	0.1	105	0.0	

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	19.7	-3.8	-22.3
Day peak (MW)	1025.0	-198.0	-952.2

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	47.3	-135.1	86.5	-0.1	1.3	-0.1
Actual(MU)	35.5	-158.5	92.3	27.5	1.0	-2.2
O/D/U/D(MU)	-11.8	-23.5	5.8	27.6	-0.3	-2.2

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	2629	13338	6732	1950	368	25017
State Sector	6055	13390	7810	6265	50	33570
Total	8684	26728	14542	8215	418	58587

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Thermal (Coal & Lignite)	648	1214	565	360	4	2792
Hydro	239	39	84	97	22	482
Nuclear	23	27	29	0	0	79
Gas, Naptha & Diesel	42	79	25	0	24	170
RES (Wind, Solar, Biomass & Others)	56	34	125	1	0	216
Total	1008	1394	828	459	50	3739

Share of RES in total generation (%)	5.53	2.47	15.08	0.22	0.08	5.78
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	31.55	7.27	28.71	21.44	43.66	20.79

H. Diversity Factor

All India Demand Diversity Factor	1.018
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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 : 3-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	502	0	9.6	0.0	9.6	
2		SASARAM-FATEHPUR	S/C	556	0	9.2	0.0	9.2	
3		GAYA-BALIA	S/C	108	88	0.0	2.4	-2.4	
4		ALIPURDUAR-AGRA	-	0	401	0.0	9.7	-9.7	
5	HVDC	PUSAULI B/B	S/C	0	398	0.0	9.6	-9.6	
6	400 kV	PUSAULI-VARANASI	S/C	0	343	0.0	0.0	0.0	
7		PUSAULI -ALLAHABAD	S/C	0	106	0.0	1.7	-1.7	
8		MUZAFFARPUR-GORAKHPUR	D/C	216	253	0.3	0.0	0.3	
9		PATNA-BALIA	Q/C	30	373	0.0	2.4	-2.4	
10		BIHARSHARIFF-BALIA	D/C	172	4	2.1	0.0	2.1	
11		MOTIHARI-GORAKHPUR	D/C	203	0	5.0	0.0	5.0	
12		BIHARSHARIFF-VARANASI	D/C	441	0	8.3	0.0	8.3	
13	220 kV	PUSAULI-SAHUPURI	S/C	0	190	0.0	4.0	-4.0	
14	132 kV	SONE NAGAR-RIHAND	S/C	0	0	0.0	0.0	0.0	
15		GARWAH-RIHAND	S/C	35	0	0.4	0.0	0.4	
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						34.9	29.7	5.3	
Import/Export of ER (With WR)									
18	765 kV	JHARSUGUDA-DHARAMJAIGARH S/C	D/C	1696	0	37.7	0.0	37.7	
19		NEW RANCHI-DHARAMJAIGARH	D/C	923	0	10.4	0.0	10.4	
20	400 kV	JHARSUGUDA-RAIGARH	Q/C	1142	0	21.6	0.0	21.6	
21		RANCHI-SIPAT	D/C	532	0	9.2	0.0	9.2	
22	220 kV	BUDHIPADAR-RAIGARH	S/C	0	2	0.0	0.0	0.0	
23		BUDHIPADAR-KORBA	D/C	311	0	5.9	0.0	5.9	
ER-WR						84.7	0.0	84.7	
Import/Export of ER (With SR)									
24	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	1627.0	0.0	28.8	-28.8	
25	HVDC	JEYPORE-GAZUWAKA B/B	D/C	0.0	361.0	0.0	8.9	-8.9	
26	LINK	TALCHER-KOLAR BIPOLE	D/C	0.0	1914.0	0.0	31.9	-31.9	
27	400 kV	TALCHER-I/C	D/C	0.0	1219.0	0.0	15.3	-15.3	
28	220 kV	BALIMELA-UPPER-SILERRU	S/C	1.0	0.0	0.0	0.0	0.0	
ER-SR						0.0	69.5	-69.5	
Import/Export of ER (With NER)									
29	400 kV	BINAGURI-BONGAIGAON	D/C	887	0	0.0	9.3	-9	
30		ALIPURDUAR-BONGAIGAON	D/C	0	373	0.0	5.3	-5	
31	220 kV	ALIPURDUAR-SALAKATI	D/C	0	121	0.0	3.7	-4	
ER-NER						0.0	18.2	-18.2	
Import/Export of NER (With NR)									
32	HVDC	BISWANATH CHARIALI-AGRA	-	0	702	0.0	16.6	-16.6	
NER-NR						0.0	16.6	-16.6	
Import/Export of WR (With NR)									
33	HVDC	CHAMPA-KURUKSHETRA	D/C	0	703	0.0	16.6	-16.6	
34		V'CHAL B/B	D/C	240	0	6.0	0.0	6.0	
35		APL -MHG	D/C	0	1266	0.0	22.9	-22.9	
36		GWALIOR-AGRA	D/C	51	474	0.0	9.0	-9.0	
37	765 kV	PHAGI-GWALIOR	D/C	44	500	0.0	4.9	-4.9	
38		JABALPUR-ORAI	D/C	292	54	0.0	5.4	-5.4	
39		GWALIOR-ORAI	S/C	367	0	6.5	0.0	6.5	
40		SATNA-ORAI	S/C	0	1280	0.0	26.1	-26.1	
41		400 kV	ZERDA-KANKROLI	S/C	492	0	9.6	0.0	9.6
42			ZERDA -BHINMAL	S/C	398	0	6.8	0.0	6.8
43	V'CHAL -RIHAND		S/C	488	0	11.1	0.0	11.1	
44	RAPP-SHUJALPUR		D/C	455	0	3	0	3	
45	220 kV	BADOD-KOTA	S/C	107	0	2.6	0.0	2.6	
46		BADOD-MORAK	S/C	104	0	1.4	0.0	1.4	
47		MEHGAON-AURAIYA	S/C	126	0	2.1	0.0	2.1	
48	132kV	MALANPUR-AURAIYA	S/C	89	0	1.4	0.0	1.4	
49		GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0	
WR-NR						50.8	84.8	-33.9	
Import/Export of WR (With SR)									
50	HVDC	BHADRAWATI B/B	-	0	995	0.0	23.7	-23.7	
51	LINK	BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0	
52	765 kV	SOLAPUR-RAICHUR	D/C	624	841	0.0	0.9	-0.9	
53		WARDHA-NIZAMABAD	D/C	0	1926	0.0	31.0	-31.0	
54	400 kV	KOLHAPUR-KUDGI	D/C	869	0	15.7	0.0	15.7	
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	0	67	1.2	0.0	1.2	
WR-SR						16.9	55.6	-38.7	
TRANSNATIONAL EXCHANGE									
58		BHUTAN						19.7	
59		NEPAL						-3.8	
60		BANGLADESH						-22.3	