



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: 23<sup>rd</sup> 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 22.10.2018.**

महोदय/Dear Sir,

आईईंजींसीं-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 22-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 22<sup>nd</sup> 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

23-Oct-18

A. Maximum Demand

	NR	WR	SR	ER	NER	Total
Demand Met during Evening Peak hrs(MW) (at 1900 hrs: from RLDCs)	43545	53367	42721	19683	2512	161828
Peak Shortage (MW)	1582	311	0	0	109	2002
Energy Met (MU)	942	1267	952	424	42	3627
Hydro Gen (MU)	160	38	114	79	17	408
Wind Gen (MU)	6	20	18	-----	-----	45
Solar Gen (MU)*	21.91	19.62	70.52	0.87	0.02	113
Energy Shortage (MU)	11.6	15.2	0.0	0.0	0.1	26.9
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	45348 18:35	56850 11:00	42852 18:26	20620 19:18	2542 17:39	163260 18:36

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	0.118	0.05	7.69	29.91	37.64	60.25	2.11

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	5820	0	132.3	42.3	-0.8	23	0.0
	Haryana	6438	0	132.1	92.4	-0.7	263	1.3
	Rajasthan	10296	0	210.9	36.9	-0.7	448	0.0
	Delhi	3652	0	72.8	57.6	-1.3	109	0.0
	UP	13934	150	290.9	113.9	-0.1	324	1.1
	Uttarakhand	1821	0	35.0	12.7	1.4	237	0.0
	HP	1429	0	26.1	13.4	0.7	231	0.2
	J&K	1926	481	38.7	35.8	-5.3	5	9.0
WR	Chandigarh	184	0	3.3	3.4	-0.1	22	0.0
	Chhattisgarh	4269	0	97.5	27.7	-0.6	136	0.0
	Gujarat	16422	0	366.7	131.5	7.5	910	0.0
	MP	11555	0	243.7	143.2	-0.8	473	0.0
	Maharashtra	24962	950	514.0	192.2	2.1	535	15.2
	Goa	470	0	9.3	9.7	-0.8	37	0.0
	DD	331	0	7.4	6.2	1.2	87	0.0
	DNH	739	0	17.3	16.8	0.5	84	0.0
SR	Essar steel	563	0	10.7	11.1	-0.4	258	0.0
	Andhra Pradesh	8618	0	188.7	71.9	3.8	496	0.0
	Telangana	10347	0	224.5	108.5	0.8	487	0.0
	Karnataka	9085	0	185.0	41.5	1.8	495	0.0
	Kerala	3251	0	66.8	40.2	0.2	253	0.0
	Tamil Nadu	13871	0	280.7	133.1	1.1	494	0.0
	Pondy	334	0	6.7	7.1	-0.4	19	0.0
	ER	Bihar	4690	0	81.3	78.9	0.0	250
DVC		2803	0	59.6	-20.3	4.4	400	0.0
Jharkhand		1000	0	24.4	13.9	0.7	130	0.0
Odisha		4887	0	100.9	36.3	-0.1	400	0.0
West Bengal		7700	0	156.4	41.0	3.4	500	0.0
Sikkim		91	0	1.2	1.2	0.0	20	0.0
NER	Arunachal Pradesh	122	4	2.2	1.8	0.5	224	0.0
	Assam	1585	57	24.5	17.0	2.5	174	0.0
	Manipur	184	3	2.3	2.2	0.1	43	0.0
	Meghalaya	296	0	4.9	1.8	-0.1	72	0.0
	Mizoram	80	2	1.9	0.8	0.6	16	0.0
	Nagaland	141	3	2.1	1.6	0.1	31	0.0
	Tripura	237	3	3.9	2.7	0.2	107	0.0

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	9.6	-2.2	-20.6
Day peak (MW)	519.3	-104.0	-920.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	125.0	-158.3	96.1	-52.7	-10.2	0.0
Actual(MU)	103.8	-149.3	99.6	-39.0	-7.8	7.2
OD/UD(MU)	-21.2	9.0	3.5	13.7	2.4	7.2

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	4275	11613	8372	1010	306	25576
State Sector	8895	14512	7480	7090	50	38027
Total	13170	26125	15852	8100	356	63603

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Thermal (Coal & Lignite)	595	1280	553	397	8	2834
Hydro	160	38	114	79	17	408
Nuclear	24	27	35	0	0	86
Gas, Naptha & Diesel	39	61	25	0	29	154
RES (Wind, Solar, Biomass & Others)	45	41	129	1	0	216
Total	863	1447	856	477	54	3698

Share of RES in total generation (%)	5.24	2.84	15.07	0.19	0.04	5.85
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	26.56	7.37	32.42	16.78	30.73	19.21

H. Diversity Factor

All India Demand Diversity Factor	1.030
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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 :	23-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)	
<b>Import/Export of ER (With NR)</b>									
1	765kV	GAYA-VARANASI	D/C	364	255	0.0	0.4	-0.4	
2		SASARAM-FATEHPUR	S/C	399	0	4.4	0.0	4.4	
3		GAYA-BALIA	S/C	17	155	0.0	2.3	-2.3	
4	HVDC	ALIPURDUAR-AGRA	-	0	376	0.0	9.2	-9.2	
5		PUSAULI B/B	S/C	0	398	0.0	9.3	-9.3	
6	400 kV	PUSAULI-VARANASI	S/C	0	319	0.0	6.3	-6.3	
7		PUSAULI-ALLAHABAD	S/C	0	167	0.0	3.0	-3.0	
8		MUZAFFARPUR-GORAKHPUR	D/C	247	436	0.0	3.4	-3.4	
9		PATNA-BALIA	Q/C	0	652	0.0	10.8	-10.8	
10		BIHARSHARIFF-BALIA	D/C	89	161	0.0	1.2	-1.2	
11		MOTIHARI-GORAKHPUR	D/C	0	338	0.0	6.2	-6.2	
12		BIHARSHARIFF-VARANASI	D/C	332	28	2.4	0.0	2.4	
13	220 kV	PUSAULI-SAHUPURI	S/C	0	178	0.0	3.4	-3.4	
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	
<b>ER-NR</b>						<b>7.5</b>	<b>55.5</b>	<b>-48.0</b>	
<b>Import/Export of ER (With WR)</b>									
18	765 kV	JHARSUGUDA-DHARAMJAIGARH S/C	D/C	0	0	0.0	0.0	0.0	
19		NEW RANCHI-DHARAMJAIGARH	D/C	739	33	9.1	0.0	9.1	
20	400 kV	JHARSUGUDA-RAIGARH	Q/C	1697	0	25.6	0.0	25.6	
21		RANCHI-SIPAT	D/C	340	0	5.0	0.0	5.0	
22	220 kV	BUDHIPADAR-RAIGARH	S/C	0	1	0.0	0.0	0.0	
23		BUDHIPADAR-KORBA	D/C	265	0	4.7	0.0	4.7	
<b>ER-WR</b>						<b>44.3</b>	<b>0.0</b>	<b>44.3</b>	
<b>Import/Export of ER (With SR)</b>									
24	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	1656.0	0.0	27.1	-27.1	
25	HVDC	JEYPORE-GAZUWAKA B/B	D/C	0.0	610.0	0.0	14.6	-14.6	
26	LINK	TALCHER-KOLAR BIPOLE	D/C	0.0	1492.0	0.0	33.1	-33.1	
27	400 kV	TALCHER-I/C	D/C	0.0	780.0	1.1	0.0	1.1	
28	220 kV	BALIMELA-UPPER-SILERRU	S/C	1.0	0.0	0.0	0.0	0.0	
<b>ER-SR</b>						<b>0.0</b>	<b>74.8</b>	<b>-74.8</b>	
<b>Import/Export of ER (With NER)</b>									
29	400 kV	BINAGURI-BONGAIGAON	D/C	0	351	0.0	3.7	-4	
30		ALIPURDUAR-BONGAIGAON	D/C	186	162	1.0	0.0	1	
31	220 kV	ALIPURDUAR-SALAKATI	D/C	6	87	0.0	0.6	-1	
<b>ER-NER</b>						<b>1.0</b>	<b>4.3</b>	<b>-3.3</b>	
<b>Import/Export of NER (With NR)</b>									
32	HVDC	BISWANATH CHARIALI-AGRA	-	503	0	0.0	11.9	-11.9	
<b>NER-NR</b>						<b>0.0</b>	<b>11.9</b>	<b>-11.9</b>	
<b>Import/Export of WR (With NR)</b>									
33	HVDC	CHAMPA-KURUKSHETRA	D/C	0	451	0.0	10.6	-10.6	
34		V'CHAL B/B	D/C	241	0	6.0	0.0	6.0	
35		APL -MHG	D/C	0	595	0.0	14.6	-14.6	
36	765 kV	GWALIOR-AGRA	D/C	0	848	0.0	27.1	-27.1	
37		PHAGI-GWALIOR	D/C	0	1166	0.0	15.1	-15.1	
38		JABALPUR-ORAI	D/C	224	259	0.0	2.8	-2.8	
39		GWALIOR-ORAI	S/C	455	0	9.8	0.0	9.8	
40		SATNA-ORAI	S/C	0	1595	0.0	34.4	-34.4	
41	400 kV	ZERDA-KANKROLI	S/C	408	0	6.5	0.0	6.5	
42		ZERDA -BHINMAL	S/C	333	63	4.5	0.0	4.5	
43		V'CHAL -RIHAND	S/C	490	0	11.4	0.0	11.4	
44		RAPP-SHUJALPUR	D/C	508	0	4	0	4	
45	220 kV	BADOD-KOTA	S/C	67	53	3.4	0.0	3.4	
46		BADOD-MORAK	S/C	2	91	0.0	0.7	-0.7	
47		MEHGAON-AURAIYA	S/C	135	0	2.3	0.0	2.3	
48		MALANPUR-AURAIYA	S/C	102	0	1.5	0.0	1.5	
49	132kV	GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0	
<b>WR-NR</b>						<b>49.1</b>	<b>105.2</b>	<b>-56.1</b>	
<b>Import/Export of WR (With SR)</b>									
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	482	1914	0.0	15.2	-15.2	
53		WARDHA-NIZAMABAD	D/C	0	2437	0.0	36.3	-36.3	
54	400 kV	KOLHAPUR-KUDGI	D/C	928	0	15.1	0.0	15.1	
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	64	1.2	0.0	1.2	
<b>WR-SR</b>						<b>16.4</b>	<b>75.4</b>	<b>-59.1</b>	
<b>TRANSNATIONAL EXCHANGE</b>									
58		BHUTAN						9.6	
59		NEPAL						-2.2	
60		BANGLADESH						-20.6	