



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: 26<sup>th</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 25.10.2018.**

महोदय/Dear Sir,

आईईंजींसी-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 25-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 25<sup>th</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 26-Oct-18

A. Maximum Demand

	NR	WR	SR	ER	NER	Total
Demand Met during Evening Peak hrs(MW) (at 1900 hrs: from RLDCs)	43710	52789	44761	20020	2493	163773
Peak Shortage (MW)	1255	196	0	386	90	1927
Energy Met (MU)	950	1266	1008	406	45	3675
Hydro Gen (MU)	156	31	97	64	16	364
Wind Gen (MU)	4	20	39	-----	-----	64
Solar Gen (MU)*	19.05	18.61	60.19	0.78	0.05	99
Energy Shortage (MU)	9.9	5.5	0.0	1.2	0.6	17.1
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	45521 18:50	56684 11:03	44789 18:51	20013 18:50	2571 18:01	165798 18:50

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	0.038	0.00	0.24	10.30	10.54	76.49	12.96

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	5639	0	129.9	32.8	0.1	132	0.0
	Haryana	6415	0	132.0	95.2	0.1	167	0.0
	Rajasthan	11092	0	219.9	38.3	2.8	687	0.0
	Delhi	3752	0	73.5	55.9	-0.1	146	0.0
	UP	13973	0	291.3	114.4	0.0	287	0.0
	Uttarakhand	1802	0	34.2	15.0	1.3	185	0.4
	HP	1477	0	27.3	14.2	1.6	290	0.2
	J&K	1861	465	38.8	35.5	-4.7	31	9.2
	Chandigarh	175	0	3.2	3.2	0.1	23	0.0
WR	Chhattisgarh	4247	0	92.2	27.6	-1.8	293	0.0
	Gujarat	16479	0	368.2	100.0	8.8	1054	0.0
	MP	11957	0	257.1	142.4	3.2	593	0.0
	Maharashtra	23848	364	503.1	186.4	-2.0	594	5.5
	Goa	470	0	9.3	9.9	-1.0	77	0.0
	DD	338	0	7.5	6.5	1.0	122	0.0
	DNH	730	0	17.0	16.4	0.6	87	0.0
	Essar steel	525	0	11.3	11.5	-0.2	227	0.0
	SR	Andhra Pradesh	9000	0	198.7	71.4	2.0	605
Telangana		10482	0	222.6	103.7	1.0	695	0.0
Karnataka		9908	0	206.0	48.1	1.4	527	0.0
Kerala		3635	0	70.8	41.3	0.9	239	0.0
Tamil Nadu		14470	0	302.6	153.7	2.2	488	0.0
Pondy		336	0	7.0	7.2	-0.2	41	0.0
ER	Bihar	4305	0	77.5	75.6	-0.6	405	0.0
	DVC	2860	0	61.9	-20.6	2.9	435	0.8
	Jharkhand	995	133	22.6	14.5	1.2	195	0.4
	Odisha	4989	0	106.5	37.0	3.2	395	0.0
	West Bengal	7430	0	135.8	46.2	-0.6	475	0.0
	Sikkim	94	0	1.3	1.5	-0.1	20	0.0
NER	Arumachal Pradesh	112	3	2.1	1.6	1.3	167	0.0
	Assam	1610	35	28.0	20.9	1.8	153	0.5
	Manipur	181	2	2.4	2.1	0.3	46	0.0
	Meghalaya	288	0	5.1	1.9	0.0	38	0.0
	Mizoram	77	2	1.6	0.8	0.1	24	0.0
	Nagaland	114	3	2.0	1.5	0.2	41	0.0
	Tripura	241	2	4.0	2.6	0.0	44	0.0

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	7.3	-2.3	-20.4
Day peak (MW)	501.4	-164.0	-917.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	121.7	-191.8	109.9	-39.0	-0.4	0.3
Actual(MU)	115.0	-203.1	117.1	-29.9	-0.3	-1.2
O/D/U/D(MU)	-6.7	-11.3	7.2	9.1	0.1	-1.5

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	4024	12567	7872	1010	331	25804
State Sector	9205	11894	5630	6390	50	33169
Total	13229	24461	13502	7400	381	58972

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Thermal (Coal & Lignite)	602	1289	590	386	4	2871
Hydro	156	31	97	64	16	364
Nuclear	24	28	45	0	0	97
Gas, Naptha & Diesel	53	83	25	0	29	190
RES (Wind, Solar, Biomass & Others)	41	40	139	1	0	220
Total	875	1471	896	451	49	3742

Share of RES in total generation (%)	4.64	2.72	15.47	0.18	0.10	5.88
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	25.21	6.69	31.36	14.41	32.37	18.19

H. Diversity Factor

All India Demand Diversity Factor	1.023
-----------------------------------	-------

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 : 26-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)	
<b>Import/Export of ER (With NR)</b>									
1	765kV	GAYA-VARANASI	D/C	474	55	3.8	0.0	3.8	
2		SASARAM-FATEHPUR	S/C	211	0	6.5	0.0	6.5	
3		GAYA-BALIA	S/C	59	123	0.0	0.9	-0.9	
4		ALIPURDUAR-AGRA	-	0	325	0.0	7.7	-7.7	
5	400 kV	PUSAULI B/B	S/C	0	399	0.0	9.8	-9.8	
6		PUSAULI-VARANASI	S/C	0	324	0.0	6.9	-6.9	
7		PUSAULI -ALLAHABAD	S/C	0	143	0.0	2.6	-2.6	
8		MUZAFFARPUR-GORAKHPUR	D/C	236	117	1.2	0.0	1.2	
9		PATNA-BALIA	Q/C	0	542	0.0	8.9	-8.9	
10		BIHARSHARIFF-BALIA	D/C	134	47	1.3	0.0	1.3	
11		MOTIHARI-GORAKHPUR	D/C	0	295	0.0	5.6	-5.6	
12		BIHARSHARIFF-VARANASI	D/C	376	0	4.9	0.0	4.9	
13		220 kV	PUSAULI-SAHUPURI	S/C	0	150	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	0.6	0.0	0.6
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>18.3</b>	<b>45.4</b>	<b>-27.1</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	786	0	9.7	0.0	9.7	
20	400 kV	JHARSUGUDA-RAIGARH	Q/C	1670	0	28.5	0.0	28.5	
21		RANCHI-SIPAT	D/C	366	0	6.3	0.0	6.3	
22	220 kV	BUDHIPADAR-RAIGARH	S/C	0	1	0.0	0.0	0.0	
23		BUDHIPADAR-KORBA	D/C	306	0	5.1	0.0	5.1	
<b>ER-WR</b>						<b>49.7</b>	<b>0.0</b>	<b>49.7</b>	
<b>Import/Export of ER (With SR)</b>									
24	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	1509.0	0.0	26.5	-26.5	
25	HVDC	JEYPORE-GAZUWAKA B/B	D/C	0.0	666.0	0.0	14.9	-14.9	
26	LINK	TALCHER-KOLAR BIPOLE	D/C	0.0	1487.0	0.0	42.6	-42.6	
27	400 kV	TALCHER-1/C	D/C	0.0	773.0	0.0	6.2	-6.2	
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>83.9</b>	<b>-83.9</b>	
<b>Import/Export of ER (With NER)</b>									
29	400 kV	BINAGURI-BONGAIGAON	D/C	0	473	0.0	8.1	-8	
30		ALIPURDUAR-BONGAIGAON	D/C	0	326	0.0	4.7	-5	
31	220 kV	ALIPURDUAR-SALAKATI	D/C	0	104	0.0	1.5	-1	
<b>ER-NER</b>						<b>0.0</b>	<b>14.2</b>	<b>-14.2</b>	
<b>Import/Export of NER (With NR)</b>									
32	HVDC	BISWANATH CHARIALI-AGRA	-	0	702	0.0	15.6	-15.6	
<b>NER-NR</b>						<b>0.0</b>	<b>15.6</b>	<b>-15.6</b>	
<b>Import/Export of WR (With NR)</b>									
33	HVDC	CHAMPA-KURUKSHETRA	D/C	0	1311	0.0	27.5	-27.5	
34		V'CHAL B/B	D/C	242	0	6.0	0.0	6.0	
35		APL -MHG	D/C	0	597	0.0	14.6	-14.6	
36		GWALIOR-AGRA	D/C	0	690	0.0	23.4	-23.4	
37	765 kV	PHAGI-GWALIOR	D/C	0	1119	0.0	14.8	-14.8	
38		JABALPUR-ORAI	D/C	304	154	0.0	0.9	-0.9	
39		GWALIOR-ORAI	S/C	402	0	7.0	0.0	7.0	
40		SATNA-ORAI	S/C	0	1622	0.0	35.8	-35.8	
41		400 kV	ZERDA-KANKROLI	S/C	358	2	3.1	0.0	3.1
42			ZERDA -BHINMAL	S/C	354	75	4.3	0.0	4.3
43			V'CHAL -RIHAND	S/C	489	0	11.2	0.0	11.2
44			RAPP-SHUJALPUR	D/C	531	0	0	4	-4
45	220 kV	BADOD-KOTA	S/C	112	0	3.5	0.0	3.5	
46		BADOD-MORAK	S/C	106	0	1.6	0.0	1.6	
47		MEHGAON-AURAIYA	S/C	151	0	2.5	0.0	2.5	
48	132kV	MALANPUR-AURAIYA	S/C	112	0	1.7	0.0	1.7	
49		GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0	
<b>WR-NR</b>						<b>40.8</b>	<b>121.0</b>	<b>-80.3</b>	
<b>Import/Export of WR (With SR)</b>									
50	HVDC	BHADRAWATI B/B	-	0	995	0.0	23.8	-23.8	
51	LINK	BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0	
52	765 kV	SOLAPUR-RAICHUR	D/C	285	1944	0.0	20.6	-20.6	
53		WARDHA-NIZAMABAD	D/C	0	2376	0.0	40.9	-40.9	
54	400 kV	KOLHAPUR-KUDGI	D/C	830	0	11.3	0.0	11.3	
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	1.2	0.0	1.2	
<b>WR-SR</b>						<b>12.6</b>	<b>85.3</b>	<b>-72.7</b>	
<b>TRANSNATIONAL EXCHANGE</b>									
58		BHUTAN						<b>7.3</b>	
59		NEPAL						<b>-2.3</b>	
60		BANGLADESH						<b>-20.4</b>	