



**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: 25<sup>th</sup> Nov 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 24.11.2018.**

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 24-नवंबर-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 24<sup>th</sup> November 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

25-Nov-18

**A. Maximum Demand**

	NR	WR	SR	ER	NER	Total
Demand Met during Evening Peak hrs(MW) (at 1900 hrs: from RLDCs)	42191	49636	39374	18239	2464	151904
Peak Shortage (MW)	477	0	0	0	34	511
Energy Met (MU)	893	1166	868	347	43	3318
Hydro Gen (MU)	123	22	76	44	9	275
Wind Gen (MU)	5	37	23	-----	-----	64
Solar Gen (MU)*	20.73	19.62	60.19	0.87	0.04	101
Energy Shortage (MU)	9.7	0.0	0.0	0.0	0.4	10.1
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	43389 18:30	55003 11:09	39302 18:30	18510 18:45	2486 17:30	154251 18:21

**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	0.054	0.00	0.38	15.66	16.04	80.38	3.58

**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	5507	0	118.0	24.6	0.2	128	0.0	
	Haryana	6052	0	115.6	65.3	0.1	142	0.0	
	Rajasthan	11526	0	230.7	66.5	1.5	450	0.0	
	Delhi	3178	0	58.4	42.5	0.3	156	0.0	
	UP	12702	0	262.9	115.3	0.3	602	0.0	
	Uttarakhand	1859	0	36.0	23.0	0.6	130	0.0	
	HP	1605	0	27.8	18.8	0.6	203	0.0	
	J&K	2068	517	40.9	38.1	-2.9	120	9.7	
	Chandigarh	173	0	3.1	2.6	0.4	45	0.0	
	WR	Chhattisgarh	3502	0	74.1	7.2	-3.6	-	0.0
Gujarat		15417	0	335.2	137.7	1.7	478	0.0	
MP		13431	0	269.7	155.4	-2.5	252	0.0	
Maharashtra		21391	0	443.3	114.9	1.7	521	0.0	
Goa		501	0	10.3	10.1	-0.3	31	0.0	
DD		317	0	7.0	6.1	0.8	32	0.0	
DNH		691	0	15.7	14.8	1.0	57	0.0	
Essar steel		548	0	11.0	10.7	0.3	303	0.0	
SR		Andhra Pradesh	7684	0	167.9	69.6	2.0	496	0.0
		Telangana	8049	0	173.9	78.5	1.8	386	0.0
	Karnataka	9651	0	193.4	63.1	0.8	410	0.0	
	Kerala	3437	0	69.9	53.6	0.7	208	0.0	
	Tamil Nadu	12634	0	256.6	130.1	-1.5	297	0.0	
	Pondy	325	0	6.7	6.8	-0.1	35	0.0	
	ER	Bihar	4065	0	68.3	66.6	-0.9	460	0.0
DVC		2791	0	61.6	-26.6	4.6	396	0.0	
Jharkhand		1222	0	24.7	13.8	-0.2	169	0.0	
Odisha		4785	0	83.5	32.0	3.9	267	0.0	
West Bengal		6236	0	107.5	23.9	2.9	309	0.0	
Sikkim		96	0	1.3	1.4	-0.1	18	0.0	
NER	Arumachal Pradesh	120	2	2.1	2.0	0.1	18	0.0	
	Assam	1480	20	24.2	18.6	1.1	125	0.3	
	Manipur	193	3	2.5	2.8	-0.3	31	0.0	
	Meghalaya	337	0	6.1	3.9	0.0	28	0.0	
	Mizoram	94	1	2.2	1.0	0.5	-	0.0	
	Nagaland	134	3	2.3	1.8	0.3	26	0.0	
	Tripura	225	1	3.6	1.6	0.0	31	0.0	

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	4.4	-2.7	-15.1
Day peak (MW)	278.7	-140.0	-808.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	145.9	-167.8	101.9	-78.5	-1.0	0.5
Actual(MU)	140.3	-178.5	100.9	-65.3	-1.8	-4.4
O/D/U/D(MU)	-5.6	-10.6	-1.0	13.2	-0.8	-4.9

**F. Generation Outage(MW)**

	NR	WR	SR	ER	NER	Total
Central Sector	5261	13745	7542	1100	81	27729
State Sector	11560	14504	9520	6575	50	42209
Total	16821	28249	17062	7675	131	69938

**G. Sourcewise generation (MU)**

	NR	WR	SR	ER	NER	All India
Thermal (Coal & Lignite)	533	1219	515	389	10	2666
Hydro	123	22	76	44	9	275
Nuclear	25	19	36	0	0	79
Gas, Naptha & Diesel	32	38	23	0	30	123
RES (Wind, Solar, Biomass & Others)	56	59	121	1	0	236
Total	769	1357	772	434	48	3380

Share of RES in total generation (%)	7.23	4.32	15.69	0.21	0.08	6.99
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	26.49	7.35	30.25	10.38	17.88	17.47

**H. Diversity Factor**

All India Demand Diversity Factor	1.029
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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 : 25-Nov-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	25	422	0.0	4.0	-4.0	
2		SASARAM-FATEHPUR	S/C	185	76	1.5	0.0	1.5	
3		GAYA-BALIA	S/C	0	235	0.0	3.4	-3.4	
4		ALIPURDUAR-AGRA	-	0	400	0.0	6.9	-6.9	
5	400 kV	PUSAULI B/B	S/C	0	348	0.0	8.3	-8.3	
6		PUSAULI-VARANASI	S/C	0	253	0.0	5.2	-5.2	
7		PUSAULI -ALLAHABAD	S/C	0	162	0.0	2.9	-2.9	
8		MUZAFFARPUR-GORAKHPUR	D/C	181	225	0.0	0.3	-0.3	
9		PATNA-BALIA	Q/C	0	659	0.0	13.0	-13.0	
10		BIHARSHARIFF-BALIA	D/C	26	78	0.0	0.7	-0.7	
11		MOTIHARI-GORAKHPUR	D/C	0	369	0.0	6.7	-6.7	
12		BIHARSHARIFF-VARANASI	D/C	221	68	1.8	0.0	1.8	
13	220 kV	PUSAULI-SAHUPURI	S/C	0	131	0.0	2.4	-2.4	
14	132 kV	SONE NAGAR-RIHAND	S/C	0	0	0.0	0.0	0.0	
15		GARWAH-RIHAND	S/C	25	0	0.6	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>3.9</b>	<b>53.8</b>	<b>-49.9</b>
<b>Import/Export of ER (With WR)</b>									
18	765 kV	JHARSUGUDA-DHARAMJAIGARH S/C	D/C	1311	0	22.6	0.0	22.6	
19		NEW RANCHI-DHARAMJAIGARH	D/C	382	79	3.9	0.0	3.9	
20	400 kV	JHARSUGUDA-RAIGARH	Q/C	376	0	5.3	0.0	5.3	
21		RANCHI-SIPAT	D/C	240	0	3.6	0.0	3.6	
22	220 kV	BUDHIPADAR-RAIGARH	S/C	0	77	0.0	1.0	-1.0	
23		BUDHIPADAR-KORBA	D/C	220	0	4.2	0.0	4.2	
						<b>ER-WR</b>	<b>39.6</b>	<b>1.0</b>	<b>38.6</b>
<b>Import/Export of ER (With SR)</b>									
24	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	1609.0	0.0	23.6	-23.6	
25	HVDC	JEYPORE-GAZUWAKA B/B	D/C	0.0	590.0	0.0	14.6	-14.6	
26	LINK	TALCHER-KOLAR BIPOLE	D/C	0.0	1975.0	0.0	43.0	-43.0	
27	400 kV	TALCHER-I/C	D/C	0.0	1050.0	0.0	11.7	-11.7	
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>81.2</b>	<b>-81.2</b>
<b>Import/Export of ER (With NER)</b>									
29	400 kV	BINAGURI-BONGAIGAON	D/C	0	506	0.0	7.0	-7	
30		ALIPURDUAR-BONGAIGAON	D/C	0	277	0.0	3.2	-3	
31	220 kV	ALIPURDUAR-SALAKATI	D/C	0	132	0.0	1.8	-2	
						<b>ER-NER</b>	<b>0.0</b>	<b>12.0</b>	<b>-12.0</b>
<b>Import/Export of NER (With NR)</b>									
32	HVDC	BISWANATH CHARIALI-AGRA	-	0	703	0.0	14.0	-14.0	
						<b>NER-NR</b>	<b>0.0</b>	<b>14.0</b>	<b>-14.0</b>
<b>Import/Export of WR (With NR)</b>									
33	HVDC	CHAMPA-KURUKSHETRA	D/C	0	903	0.0	21.2	-21.2	
34		V'CHAL B/B	D/C	241	0	5.7	0.0	5.7	
35		APL -MHG	D/C	0	983	0.0	24.3	-24.3	
36		GWALIOR-AGRA	D/C	0	873	0.0	32.7	-32.7	
37	765 kV	PHAGI-GWALIOR	D/C	0	1221	0.0	21.7	-21.7	
38		JABALPUR-ORAI	D/C	51	491	0.0	11.0	-11.0	
39		GWALIOR-ORAI	S/C	531	278	3.8	0.0	3.8	
40		SATNA-ORAI	S/C	0	1673	0.0	21.4	-21.4	
41		400 kV	ZERDA-KANKROLI	S/C	372	0	6.0	0.0	6.0
42			ZERDA -BHINMAL	S/C	212	183	2.1	0.0	2.1
43	V'CHAL -RIHAND		S/C	993	0	22.9	0.0	22.9	
44	RAPP-SHUJALPUR		D/C	318	0	2	0	2	
45	220 kV	BADOD-KOTA	S/C	68	1	2.0	0.0	2.0	
46		BADOD-MORAK	S/C	43	32	0.3	0.1	0.3	
47		MEHGAON-AURAIYA	S/C	93	0	1.3	0.0	1.3	
48	132kV	MALANPUR-AURAIYA	S/C	48	5	0.4	0.0	0.4	
49		GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0	
						<b>WR-NR</b>	<b>46.6</b>	<b>132.3</b>	<b>-85.7</b>
<b>Import/Export of WR (With SR)</b>									
50	HVDC	BHADRAWATI B/B	-	0	1002	0.0	22.1	-22.1	
51	LINK	BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0	
52	765 kV	SOLAPUR-RAICHUR	D/C	373	1927	0.0	18.2	-18.2	
53		WARDHA-NIZAMABAD	D/C	0	2037	0.0	27.7	-27.7	
54	400 kV	KOLHAPUR-KUDGI	D/C	937	0	14.9	0.0	14.9	
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	66	1.3	0.0	1.3	
						<b>WR-SR</b>	<b>16.2</b>	<b>68.0</b>	<b>-51.8</b>
<b>TRANSNATIONAL EXCHANGE</b>									
58		BHUTAN						<b>4.4</b>	
59		NEPAL						<b>-2.7</b>	
60		BANGLADESH						<b>-15.1</b>	