



**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: 12<sup>th</sup> Dec 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, लापलंग, 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 11.12.2018.**

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 11-दिसम्बर-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 11<sup>th</sup> December 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

12-Dec-18

A. Maximum Demand

	NR	WR	SR	ER	NER	Total
Demand Met during Evening Peak hrs(MW) (at 1900 hrs; from RLDCs)	43896	48149	42347	17801	2417	154610
Peak Shortage (MW)	566	0	-33	220	48	801
Energy Met (MU)	926	1121	928	347	43	3365
Hydro Gen (MU)	124	31	81	29	6	270
Wind Gen (MU)	18	15	19	-----	-----	52
Solar Gen (MU)*	17.30	18.34	59.32	0.71	0.05	96
Energy Shortage (MU)	13.2	0.0	0.0	0.7	0.8	14.6
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	44605 18:29	54194 10:59	42773 07:46	17908 18:38	2455 17:33	158177 18:28

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	0.056	0.00	0.58	16.10	16.68	76.01	7.31

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	5689	0	121.3	39.9	0.0	-	0.0	
	Haryana	6328	0	126.8	58.4	3.7	-	0.0	
	Rajasthan	12835	0	237.2	59.7	-0.7	-	0.0	
	Delhi	3567	0	63.8	47.8	-0.3	-	0.0	
	UP	13015	0	261.1	101.9	0.8	-	2.1	
	Uttarakhand	1971	0	37.4	26.1	0.3	-	0.0	
	HP	1546	0	28.1	21.0	0.2	-	0.0	
	J&K	2440	610	46.9	42.2	-0.7	-	11.1	
	Chandigarh	201	0	3.4	3.0	0.4	-	0.0	
	WR	Chhattisgarh	3513	0	69.9	12.4	-1.5	549	0.0
Gujarat		15025	0	328.6	100.8	3.5	503	0.0	
MP		13106	0	252.1	149.1	-5.3	528	0.0	
Maharashtra		20779	0	426.2	105.0	-1.4	509	0.0	
Goa		453	0	9.5	9.8	-0.7	88	0.0	
DD		319	0	7.1	6.4	0.7	65	0.0	
DNH		754	0	17.5	16.1	1.3	138	0.0	
Essar steel		543	0	10.5	10.0	0.5	300	0.0	
SR		Andhra Pradesh	8013	0	173.4	61.5	1.5	501	0.0
		Telangana	8268	0	174.1	70.0	0.6	416	0.0
	Karnataka	10739	0	209.3	68.8	1.4	588	0.0	
	Kerala	3731	0	72.4	58.6	1.0	209	0.0	
	Tamil Nadu	14241	0	292.5	139.7	2.4	609	0.0	
	Pondy	327	0	6.7	7.0	-0.3	23	0.0	
	ER	Bihar	4004	0	72.4	68.2	1.1	460	0.0
DVC		3011	0	63.9	-20.3	1.9	396	0.0	
Jharkhand		1000	0	23.1	14.7	1.4	169	0.7	
Odisha		3717	0	72.3	26.7	2.7	267	0.0	
West Bengal		6425	0	113.9	24.0	-0.7	309	0.0	
Sikkim		100	0	1.5	1.8	-0.3	18	0.0	
NER	Arunachal Pradesh	115	2	2.1	1.8	0.3	33	0.1	
	Assam	1411	32	24.2	18.5	1.5	143	0.3	
	Manipur	168	3	2.7	2.8	-0.1	28	0.0	
	Meghalaya	353	0	6.3	5.4	-0.1	257	0.3	
	Mizoram	86	1	1.5	1.0	0.0	14	0.0	
	Nagaland	135	2	2.2	1.7	0.3	47	0.0	
	Tripura	219	1	3.7	1.5	0.2	43	0.0	

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	2.3	-4.1	-13.9
Day peak (MW)	178.4	-200.0	-117.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	146.9	-173.2	97.7	-75.5	3.9	-0.2
Actual(MU)	139.9	-180.6	102.7	-68.5	4.7	-1.8
O/D/U/D(MU)	-7.0	-7.4	4.9	7.1	0.8	-1.6

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	4317	17010	7932	1370	106	30736
State Sector	11555	12740	7070	6015	50	37430
Total	15872	29750	15002	7385	156	68165

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Coal	539	1173	525	418	6	2662
Lignite	18	17	55.45	0	0	35
Hydro	124	31	81	29	6	270
Nuclear	29	19	36	0	0	85
Gas, Naptha & Diesel	26	42	22	0	29	119
RES (Wind, Solar, Biomass & Others)	71	35	115	1	0	222
Total	808	1316	779	448	42	3393

Share of RES in total generation (%)	8.76	2.67	14.78	0.17	0.12	6.54
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	27.72	6.45	29.76	6.61	15.54	17.00

H. Diversity Factor

All India Demand Diversity Factor	1.024
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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 : 12-Dec-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	0	637	0.0	6.7	-6.7	
2		SASARAM-FATEHPUR	S/C	0	294	0.0	4.2	-4.2	
3		GAYA-BALIA	S/C	0	308	0.0	4.2	-4.2	
4		ALIPURDUAR-AGRA	-	0	0	0.0	0.0	0.0	
5	400 kV	PUSAULI B/B	S/C	3	0	0.0	0.0	0.0	
6		PUSAULI-VARANASI	S/C	70	0	0.8	0.0	0.8	
7		PUSAULI -ALLAHABAD	S/C	75	40	0.4	0.0	0.4	
8		MUZAFFARPUR-GORAKHPUR	D/C	0	535	0.0	7.2	-7.2	
9		PATNA-BALIA	Q/C	0	852	0.0	17.4	-17.4	
10		BIHARSHARIFF-BALIA	D/C	0	234	0.0	3.6	-3.6	
11		MOTIHARI-GORAKHPUR	D/C	0	351	0.0	6.7	-6.7	
12		BIHARSHARIFF-VARANASI	D/C	17	219	0.0	3.0	-3.0	
13		220 kV	PUSAULI-SAHUPURI	S/C	0	132	0.0	2.5	-2.5
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>1.8</b>	<b>55.3</b>	<b>-53.5</b>	
<b>Import/Export of ER (With WR)</b>									
18	765 kV	JHARSUGUDA-DHARAMJAIGARH S/C	D/C	837	262	10.8	0.0	10.8	
19		NEW RANCHI-DHARAMJAIGARH	D/C	136	464	0.0	3.7	-3.7	
20	400 kV	JHARSUGUDA-RAIGARH	Q/C	131	251	0.0	1.7	-1.7	
21		RANCHI-SIPAT	D/C	158	89	0.8	0.0	0.8	
22	220 kV	BUDHIPADAR-RAIGARH	S/C	10	103	0.0	1.1	-1.1	
23		BUDHIPADAR-KORBA	D/C	181	0	3.0	0.0	3.0	
<b>ER-WR</b>						<b>14.7</b>	<b>6.4</b>	<b>8.2</b>	
<b>Import/Export of ER (With SR)</b>									
24	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	895.0	0.0	12.8	-12.8	
25	HVDC	JEYPORE-GAZUWAKA B/B	D/C	0.0	680.0	0.0	16.2	-16.2	
26	LINK	TALCHER-KOLAR BIPOLE	D/C	0.0	1977.0	0.0	45.6	-45.6	
27	400 kV	TALCHER-I/C	D/C	0.0	629.0	0.0	1.0	-1.0	
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>74.6</b>	<b>-74.6</b>	
<b>Import/Export of ER (With NER)</b>									
29	400 kV	BINAGURI-BONGAIGAON	D/C	178	66	2.3	0.0	2	
30		ALIPURDUAR-BONGAIGAON	D/C	282	25	4.1	0.0	4	
31	220 kV	ALIPURDUAR-SALAKATI	D/C	33	29	0.3	0.0	0	
<b>ER-NER</b>						<b>6.7</b>	<b>0.0</b>	<b>6.7</b>	
<b>Import/Export of NER (With NR)</b>									
32	HVDC	BISWANATH CHARIALI-AGRA	-	469	0	11.5	0.0	11.5	
<b>NER-NR</b>						<b>11.5</b>	<b>0.0</b>	<b>11.5</b>	
<b>Import/Export of WR (With NR)</b>									
33	HVDC	CHAMPA-KURUKSHETRA	D/C	0	1004	0.0	23.3	-23.3	
34		V'CHAL B/B	D/C	0	0	0.0	0.0	0.0	
35		APL -MHG	D/C	0	885	0.0	21.3	-21.3	
36		GWALIOR-AGRA	D/C	0	1011	0.0	35.2	-35.2	
37	765 kV	PHAGI-GWALIOR	D/C	0	1046	0.0	15.8	-15.8	
38		JABALPUR-ORAI	D/C	222	419	0.0	7.8	-7.8	
39		GWALIOR-ORAI	S/C	523	0	9.0	0.0	9.0	
40		SATNA-ORAI	S/C	0	1664	0.0	36.8	-36.8	
41		400 kV	ZERDA-KANKROLI	S/C	294	63	2.6	0.0	2.6
42			ZERDA -BHINMAL	S/C	231	259	0.0	0.4	-0.4
43	V'CHAL -RIHAND		S/C	992	0	22.0	0.0	22.0	
44	RAPP-SHUJALPUR		D/C	483	0	3	0	3	
45	220 kV	BADOD-KOTA	S/C	51	7	1.4	0.0	1.4	
46		BADOD-MORAK	S/C	55	65	0.3	0.3	0.0	
47		MEHGAON-AURAIYA	S/C	112	0	1.2	0.0	1.2	
48		MALANPUR-AURAIYA	S/C	67	16	0.5	0.0	0.5	
49	132kV	GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0	
<b>WR-NR</b>						<b>40.2</b>	<b>140.9</b>	<b>-100.7</b>	
<b>Import/Export of WR (With SR)</b>									
50	HVDC	BHADRAWATI B/B	-	0	999	0.0	22.3	-22.3	
51	LINK	BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0	
52	765 kV	SOLAPUR-RAICHUR	D/C	246	2097	0.0	27.4	-27.4	
53		WARDHA-NIZAMABAD	D/C	0	2438	0.0	34.7	-34.7	
54	400 kV	KOLHAPUR-KUDGI	D/C	871	0	10.0	0.0	10.0	
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	1	66	1.2	0.0	1.2	
<b>WR-SR</b>						<b>11.2</b>	<b>84.3</b>	<b>-73.1</b>	
<b>TRANSNATIONAL EXCHANGE</b>									
58		BHUTAN						2.3	
59		NEPAL						-4.1	
60		BANGLADESH						-13.9	