



**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: 16<sup>th</sup> Dec 2017

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. महाप्रबंधक, द.क्षे.भा.प्रे.के., 29, रेस कोर्स क्रॉस रोड, बंगलुरु -560009  
General Manager, SRLDC, 29, Race Course Cross Road, Bangalore-560009

**Sub: Daily PSP Report for the date 15.12.2017.**

महोदय/Dear Sir,

आईईजीसी-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 15-दिसम्बर - 2017 की अखिल भारतीय प्रणाली की दैनिक ग्रिड निष्पादन रिपोर्ट रांभांप्रेके 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 15<sup>th</sup> December 2017, is available at the NLDC website.

धन्यवाद,



पावर सिस्टम ऑपरेशन कारपोरेशन लिमिटेड  
राष्ट्रीय भार प्रेषण केंद्र, नई दिल्ली

Report for previous day

Date of Reporting

16-Dec-17

A. Maximum Demand

	NR	WR	SR	ER	NER	Total
Demand Met during Evening Peak hrs(MW) (at 1900 hrs; from RLDCs)	42303	46021	38781	17509	2391	147004
Peak Shortage (MW)	1062	11	0	300	70	1443
Energy Met (MU)	851	1063	897	332	41	3185
Hydro Gen(MU)	113	24	61	30	14	242
Wind Gen(MU)	23	59	45	-----	-----	127
Solar Gen (MU)*	2.62	13.91	32.56	0.65	0.02	50
Energy Shortage (MU)	18.1	0.0	1.7	0.9	0.6	21.3
Maximum Demand Met during the day (MW) (from NLDC SCADA)	43684	49623	44441	17673	2398	149452

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	0.081	0.00	2.84	21.10	23.94	65.36	10.71

C. Power Supply Position in States

Region/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	5175	0	91.8	28.6	0.1	143	0.0
	Haryana	6374	37	114.4	55.2	1.9	323	0.1
	Rajasthan	9971	509	198.0	53.0	3.2	459	2.5
	Delhi	3901	0	66.6	48.7	0.6	304	0.0
	UP	13040	600	272.9	90.5	1.0	535	5.0
	Uttarakhand	1905	0	35.2	17.8	0.8	228	0.9
	HP	1530	0	27.8	21.6	0.7	173	0.0
	J&K	2059	515	40.9	40.6	-4.6	63	9.7
WR	Chhattisgarh	218	0	3.6	3.6	0.1	39	0.0
	Gujarat	3392	0	73.8	6.0	1.2	36	0.0
	MP	14079	0	298.0	69.9	2.8	701	0.0
	Maharashtra	12139	0	232.7	136.0	-1.6	379	0.0
	Goa	19723	0	413.5	128.9	-0.7	538	0.0
	DD	399	0	9.2	8.7	-0.1	52	0.0
	DNH	315	0	7.0	6.5	0.5	64	0.0
	Essar steel	743	0	17.4	17.0	0.4	48	0.0
SR	Andhra Pradesh	554	0	11.3	11.5	-0.1	123	0.0
	Telangana	7956	0	163.8	71.2	-0.9	481	0.3
	Karnataka	8399	0	166.1	66.5	-0.4	302	0.3
	Kerala	9948	0	200.9	84.7	-1.3	425	0.4
	Tamil Nadu	3593	0	67.2	49.9	0.9	260	0.1
	Pondy	13850	0	292.4	157.0	2.2	457	0.6
ER	Bihar	329	0	7.0	7.5	-0.5	22	0.0
	DVC	3793	0	63.6	57.2	-0.1	160	0.0
	Jharkhand	2816	0	65.0	-35.1	-0.8	180	0.0
	Odisha	1010	0	23.4	12.9	0.7	45	0.0
	West Bengal	3688	0	67.5	24.5	3.6	220	0.9
	Sikkim	6704	0	111.1	25.2	1.1	225	0.0
NER	Arunachal Pradesh	105	0	1.6	1.6	0.1	9	0.0
	Assam	124	5	2.3	1.9	0.4	21	0.1
	Manipur	1433	25	22.9	17.5	1.4	84	0.3
	Meghalaya	170	6	2.5	2.7	-0.2	3	0.1
	Mizoram	312	0	6.1	2.6	0.0	27	0.0
	Nagaland	91	5	1.6	1.3	0.2	10	0.1
Tripura	121	6	2.3	1.7	0.1	33	0.1	
		223	3	3.3	2.0	-0.4	55	0.0

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	5.0	-7.3	-9.2
Day peak (MW)	265.3	-276.1	-595.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	113.0	-147.0	113.5	-76.2	-3.7	-0.3
Actual(MU)	120.3	-167.0	111.5	-64.0	-3.5	-2.7
O/D/U/D(MU)	7.2	-20.0	-2.0	12.2	0.2	-2.4

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	3808	16832	8072	2455	212	31379
State Sector	9900	17061	8070	5450	50	40531
Total	13708	33893	16142	7905	261	71910

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	Total
Thermal (Coal & Lignite)	540	1087	550	384	1	2562
Hydro	113	23	61	30	14	240
Nuclear	34	27	46	0	0	108
Gas, Naptha & Diesel	54	53	17	0	23	146
RES (Wind, Solar, Biomass & Others)	28	73	176	2	0	278
Total	768	1263	850	416	37	3334

\*Source: RLDCs for solar connected to ISTS; SLDCs for embedded solar. Limited visibility of embedded solar data.

सचिव(ऊर्जा)/संयुक्त सचिव(पारिषद)/(ओ एम)/निदेशक(ओ एम)/मुख्य अभियंता-के०वि०प्रा०(ग्रि०प्र०)/  
मुख्य कार्यपालक अधिकारी(पोसोको)/सभी राज्यों के मुख्य सचिव/ऊर्जा सचिव

महाप्रबंधक (रा० भा० प्रे० के०)

<b>INTER-REGIONAL EXCHANGES</b>								Date of Reporting : 16-Dec-17
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	0	236	0.0	3.4	-3.4
2		SASARAM-FATEHPUR	S/C	0	189	0.7	0.0	0.7
3		GAYA-BALIA	S/C	0	198	0.0	2.8	-2.8
4	HVDC	ALIPURDUAR-AGRA	-	0	0	0.0	0.0	0.0
5		PUSAULI B/B	S/C	0	245	0.0	6.0	-6.0
6	400 KV	PUSAULI-VARANASI	S/C	0	200	0.0	0.0	0.0
7		PUSAULI -ALLAHABAD	S/C	0	116	0.0	0.0	0.0
8		MUZAFFARPUR-GORAKHPUR	D/C	0	574	0.0	5.6	-5.6
9		PATNA-BALIA	Q/C	0	1124	0.0	18.2	-18.2
10		BIHARSHARIFF-BALIA	D/C	0	204	0.0	2.3	-2.3
11		MOTHARI-GORAKHPUR	D/C	0	0	4.5	0.0	4.5
12		BIHARSHARIFF-VARANASI	D/C	0	252	0.5	0.0	0.5
13	220 KV	PUSAULI-SAHUPURI	S/C	0	111	0.0	2.0	-2.0
14	132 KV	SONE NAGAR-RIHAND	S/C	0	0	0.0	0.0	0.0
15		GARWAH-RIHAND	S/C	0	0	0.5	0.0	0.5
16		KARMANASA-SAHUPURI	S/C	0	0	0.0	0.0	0.0
17		KARMANASA-CHANDAUЛИ	S/C	0	0	0.0	0.0	0.0
<b>ER-NR</b>						<b>6.1</b>	<b>40.3</b>	<b>-34.2</b>
<b>Import/Export of ER (With WR)</b>								
18	765 KV	JHARSUGUDA-DHARAMJAIGARH S/C	D/C	0	0	12.4	0.0	12.4
19		NEW RANCHI-DHARAMJAIGARH	D/C	0	560	0.0	3.0	-3.0
20	400 KV	ROURKELA - RAIGARH ( SEL LILO BYPASS)	S/C	0	81	1.1	0.0	1.1
21		JHARSUGUDA-RAIGARH	S/C	0	26	0.9	0.0	0.9
22		IBEUL-RAIGARH	S/C	0	0	1.0	0.0	1.0
23		STERLITE-RAIGARH	D/C	0	0	0.0	0.0	0.0
24		RANCHI-SIPAT	D/C	0	63	2.9	0.0	2.9
25	220 KV	BUDHIPADAR-RAIGARH	S/C	0	52	0.2	0.0	0.2
26		BUDHIPADAR-KORBA	D/C	0	0	2.8	0.0	2.8
<b>ER-WR</b>						<b>21.3</b>	<b>3.0</b>	<b>18.3</b>
<b>Import/Export of ER (With SR)</b>								
27	765 KV	ANGUL-SRIKAKULAM	D/C	0.0	0.0	0.0	18.2	-18.2
28	HVDC	JEYPORE-GAZUWAKA B/B	D/C	0.0	345.7	0.0	12.7	-12.7
29	LINK	TALCHER-KOLAR BIPOLE	D/C	0.0	2279.8	0.0	49.0	-49.0
30	400 KV	TALCHER-I/C	D/C	0.0	1013.4	0.0	13.7	-13.7
31	220 KV	BALIMELA-UPPER-SILERRU	S/C	0.0	0.0	0.0	0.0	0.0
<b>ER-SR</b>						<b>0.0</b>	<b>79.9</b>	<b>-79.9</b>
<b>Import/Export of ER (With NER)</b>								
32	400 KV	BINAGURI-BONGAIGAON	D/C	0	990	0.0	6.2	-6
33		ALIPURDUAR-BONGAIGAON	D/C	0	795	0.0	5.8	-6
34	220 KV	ALIPURDUAR-SALAKATI	D/C	0	0	0.0	1.5	-2
<b>ER-NER</b>						<b>0.0</b>	<b>13.4</b>	<b>-13.4</b>
<b>Import/Export of NER (With NR)</b>								
35	HVDC	BISWANATH CHARIALI-AGRA	-	0	700	0.0	17.1	-17.1
<b>NER-NR</b>						<b>0.0</b>	<b>17.1</b>	<b>-17.1</b>
<b>Import/Export of WR (With NR)</b>								
36	HVDC	CHAMPA-KURUKSHETRA	D/C	167	783	0.0	24.6	-24.6
37		V'CHAL B/B	D/C	0	250	0.0	5.1	-5.1
38		APL -MHG	D/C	0	1513	0.0	34.6	-34.6
39	765 KV	GWALIOR-AGRA	D/C	0	1862	0.0	27.7	-27.7
40		PHAGI-GWALIOR	D/C	490	0	0.0	17.9	-17.9
41	400 KV	ZERDA-KANKROLI	S/C	335	0	5.5	0.0	5.5
42		ZERDA -BHINMAL	S/C	239	47	4.3	0.0	4.3
43		V'CHAL -RIHAND	S/C	493	0	22.6	0.0	22.6
44		RAPP-SHUJALPUR	D/C	167	1153	0	0	0
45	220 KV	BADOD-KOTA	S/C	139	0	2.0	0.0	2.0
46		BADOD-MORAK	S/C	69	32	0.4	0.1	0.2
47		MEHGAON-AURAIYA	S/C	98	0	1.7	0.0	1.7
48	220 KV	MALANPUR-AURAIYA	S/C	56	0	0.8	0.0	0.8
49		132KV	GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0
<b>WR-NR</b>						<b>37.7</b>	<b>109.9</b>	<b>-72.2</b>
<b>Import/Export of WR (With SR)</b>								
50	HVDC	BHADRAWATI B/B	-	0	500	0.0	12.0	-12.0
51	LINK	BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0
52	765 KV	SOLAPUR-RAICHUR	D/C	0	1798	0.0	27.1	-27.1
53		WARDHA-NIZAMABAD	D/C	0	1807	0.0	36.7	-36.7
54	400 KV	KOLHAPUR-KUDGI	D/C	281	423	0.9	2.4	-1.5
55	220 KV	KOLHAPUR-CHIKODI	D/C	0	0	0.0	0.0	0.0
56		PONDA-AMBEWADI	S/C	0	0	0.0	0.0	0.0
57		XELDEM-AMBEWADI	S/C	73	0	1.5	0.0	1.5
<b>WR-SR</b>						<b>2.5</b>	<b>78.2</b>	<b>-75.7</b>
<b>TRANSNATIONAL EXCHANGE</b>								
58		BHUTAN						5.0
59		NEPAL						-7.3
60		BANGLADESH						-9.2