



**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: 1<sup>st</sup> Jan 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. 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 31.12.2017.**

महोदय/Dear Sir,

आईईजीसी-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 31-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 31<sup>st</sup> December 2017, is available at the NLDC website.

धन्यवाद,

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

Report for previous day

Date of Reporting

1-Jan-18

A. Maximum Demand

	NR	WR	SR	ER	NER	Total
Demand Met during Evening Peak hrs(MW) (at 1900 hrs: from RLDCs)	41700	42607	37748	16460	2238	140753
Peak Shortage (MW)	1003	10	0	0	43	1056
Energy Met (MU)	864	1016	882	314	40	3116
Hydro Gen(MU)	108	20	42	25	10	204
Wind Gen(MU)	6	37	17	-----	-----	60
Solar Gen (MU)*	0.63	15.01	43.49	0.92	0.03	60
Energy Shortage (MU)	12.8	0.0	0.0	0.0	0.3	13.1
Maximum Demand Met during the day (MW) (from NLDC SCADA)	42866	49443	40927	16663	2190	145539

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	0.036	0.00	0.17	6.35	6.53	76.74	16.74

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	5599	0	103.6	35.5	0.2	165	0.0
	Haryana	6119	0	112.6	59.6	0.0	175	1.5
	Rajasthan	10446	0	204.3	65.8	0.7	300	0.0
	Delhi	3664	0	60.1	49.4	-1.1	149	0.0
	UP	14129	560	274.0	90.3	0.3	810	0.4
	Uttarakhand	1919	0	34.1	21.0	0.5	140	0.0
	HP	1464	0	26.0	21.2	0.1	96	0.0
	J&K	2196	549	46.1	43.2	-1.8	19	10.9
WR	Chandigarh	184	0	3.0	3.2	-0.2	8	0.0
	Chhattisgarh	3320	0	71.8	17.9	-1.9	84	0.0
	Gujarat	13875	0	293.4	76.6	3.5	448	0.0
	MP	11519	0	222.4	142.6	-1.6	442	0.0
	Maharashtra	19599	0	388.9	122.9	-1.7	427	0.0
	Goa	421	0	9.2	8.6	0.1	42	0.0
	DD	284	0	6.4	6.3	0.0	42	0.0
	DNH	723	0	16.7	16.4	0.3	55	0.0
SR	Essar steel	359	0	7.3	6.9	0.4	191	0.0
	Andhra Pradesh	8220	-	161.2	57.7	1.6	612	0.0
	Telangana	8901	-	187.6	97.7	-0.3	302	0.0
	Karnataka	9516	-	193.5	85.7	3.3	528	0.0
	Kerala	3180	-	58.7	51.3	0.5	210	0.0
	Tamil Nadu	12527	-	275.7	145.3	5.0	467	0.0
ER	Pondy	280	-	5.6	6.5	-0.9	12	0.0
	Bihar	3905	0	69.8	64.8	-1.6	220	0.0
	DVC	3287	0	66.4	-31.9	-1.2	225	0.0
	Jharkhand	1016	0	22.8	11.6	0.5	75	0.0
	Odisha	3778	0	68.3	32.0	4.0	300	0.0
	West Bengal	4987	0	85.2	11.9	1.3	225	0.0
NER	Sikkim	93	0	1.4	1.7	-0.2	12	0.0
	Arunachal Pradesh	96	2	2.0	1.9	0.2	31	0.0
	Assam	1348	19	21.7	17.3	-0.2	173	0.3
	Manipur	175	4	2.7	2.9	-0.2	21	0.0
	Meghalaya	278	0	6.2	3.6	-0.2	16	0.0
	Mizoram	84	1	1.8	1.1	-0.1	20	0.0
NER	Nagaland	118	3	2.2	2.0	0.0	60	0.0
	Tripura	215	1	3.2	1.7	-0.4	59	0.0

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	3.3	-7.3	-10.6
Day peak (MW)	170.6	-287.4	-575.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	157.8	-196.6	118.7	-79.4	-1.2	-0.7
Actual(MU)	154.9	-193.8	119.2	-76.2	-2.8	1.3
O/D/U/D(MU)	-2.9	2.7	0.5	3.3	-1.6	2.0

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	3831	15131	5312	1220	71	25565
State Sector	6720	17820	6570	5880	50	37040
Total	10551	32951	11882	7100	121	62605

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	Total
Thermal (Coal & Lignite)	556	1112	588	386	10	2652
Hydro	108	18	42	25	10	202
Nuclear	29	24	69	0	0	122
Gas, Naptha & Diesel	19	47	18	0	26	110
RES (Wind, Solar, Biomass & Others)	30	52	105	2	0	190
Total	743	1253	822	413	45	3276

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

सचिव(ऊर्जा)/संयुक्त सचिव(पारेषण)/(ओ एम)/निदेशक(ओ एम)/मुख्य अभियंता-के०वि०प्रा०(ग्रि०प्रा०)/  
मुख्य कार्यपालक अधिकारी(पोसोको)/सभी राज्यों के मुख्य सचिव/ऊर्जा सचिव

महाप्रबंधक (रा० भा० प्रे० के०)

INTER-REGIONAL EXCHANGES								Date of Reporting :	1-Jan-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	0	309	0.0	7.4	-7.4	
2		SASARAM-FATEHPUR	S/C	0	216	0.0	2.0	-2.0	
3		GAYA-BALIA	S/C	0	381	0.0	5.6	-5.6	
4	HVDC	ALIPURDUAR-AGRA	-	0	0	0.0	0.0	0.0	
5		PUSAULI B/B	S/C	0	0	0.0	0.0	0.0	
6	400 KV	PUSAULI-VARANASI	S/C	0	57	0.0	0.4	-0.4	
7		PUSAULI -ALLAHABAD	S/C	0	11	0.4	0.0	0.4	
8		MUZAFFARPUR-GORAKHPUR	D/C	0	682	0.0	9.0	-9.0	
9		PATNA-BALIA	Q/C	0	1207	0.0	23.0	-23.0	
10		BIHARSHARIFF-BALIA	D/C	0	350	0.0	4.4	-4.4	
11		MOTIHARI-GORAKHPUR	D/C	0	0	5.1	0.0	5.1	
12	BIHARSHARIFF-VARANASI	D/C	0	300	0.0	1.7	-1.7		
13	220 KV	PUSAULI-SAHUPURI	S/C	0	0	0.0	0.0	0.0	
14	132 KV	SONE NAGAR-RIHAND	S/C	0	0	0.0	0.0	0.0	
15		GARWAH-RIHAND	S/C	0	0	0.4	0.0	0.4	
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>5.9</b>	<b>53.4</b>	<b>-47.5</b>	
<b>Import/Export of ER (With WR)</b>									
18	765 KV	JHARSUGUDA-DHARAMJAIGARH S/C	D/C	0	0	14.0	0.0	14.0	
19		NEW RANCHI-DHARAMJAIGARH	D/C	0	515	0.0	1.8	-1.8	
20	400 KV	ROURKELA - RAIGARH ( SEL LILO BYPASS)	S/C	0	89	1.3	0.0	1.3	
21		JHARSUGUDA-RAIGARH	S/C	0	22	1.0	0.0	1.0	
22		IBEUL-RAIGARH	S/C	0	0	0.9	0.0	0.9	
23		STERLITE-RAIGARH	D/C	0	0	0.0	0.0	0.0	
24	RANCHI-SIPAT	D/C	0	81	2.7	0.0	2.7		
25	220 KV	BUDHIPADAR-RAIGARH	S/C	0	24	1.1	0.0	1.1	
26		BUDHIPADAR-KORBA	D/C	0	0	2.9	0.0	2.9	
<b>ER-WR</b>						<b>24.0</b>	<b>1.8</b>	<b>22.2</b>	
<b>Import/Export of ER (With SR)</b>									
27	765 KV	ANGUL-SRIKAKULAM	D/C	0.0	0.0	0.0	20.7	-20.7	
28	HVDC LINK	JEYPORE-GAZUWAKA B/B	D/C	0.0	345.7	0.0	12.4	-12.4	
29		TALCHER-KOLAR BIPOLE	D/C	0.0	2261.2	0.0	49.8	-49.8	
30	400 KV	TALCHER-I/C	D/C	0.0	950.1	0.0	12.7	-12.7	
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>82.8</b>	<b>-82.8</b>	
<b>Import/Export of ER (With NER)</b>									
32	400 KV	BINAGURI-BONGAIGAON	D/C	0	978	0.0	5.4	-5	
33		ALIPURDUAR-BONGAIGAON	D/C	0	793	0.0	4.9	-5	
34	220 KV	ALIPURDUAR-SALAKATI	D/C	0	0	0.0	2.1	-2	
<b>ER-NER</b>						<b>0.0</b>	<b>12.4</b>	<b>-12.4</b>	
<b>Import/Export of NER (With NR)</b>									
35	HVDC	BISWANATH CHARIALI-AGRA	-	0	700	0.0	15.2	-15.2	
<b>NER-NR</b>						<b>0.0</b>	<b>15.2</b>	<b>-15.2</b>	
<b>Import/Export of WR (With NR)</b>									
36	HVDC	CHAMPA-KURUKSHETRA	D/C	0	877	0.0	33.7	-33.7	
37		V'CHAL B/B	D/C	250	0	4.9	0.0	4.9	
38		APL -MHG	D/C	0	1513	0.0	35.9	-35.9	
39	765 KV	GWALIOR-AGRA	D/C	0	2374	0.0	38.1	-38.1	
40		PHAGI-GWALIOR	D/C	482	0	0.0	20.0	-20.0	
41	400 KV	ZERDA-KANKROLI	S/C	339	0	3.3	0.0	3.3	
42		ZERDA -BHINMAL	S/C	204	120	0.8	0.0	0.8	
43		V'CHAL -RIHAND	S/C	484	0	22.0	0.0	22.0	
44		RAPP-SHUJALPUR	D/C	0	1174	0	2	-2	
45	220 KV	BADOD-KOTA	S/C	92	0	1.3	0.0	1.3	
46		BADOD-MORAK	S/C	45	44	0.2	0.2	0.0	
47		MEHGAON-AURAIYA	S/C	98	0	1.7	0.0	1.7	
48	132KV	MALANPUR-AURAIYA	S/C	50	0	0.5	0.0	0.5	
49		GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0	
<b>WR-NR</b>						<b>34.6</b>	<b>130.0</b>	<b>-95.4</b>	
<b>Import/Export of WR (With SR)</b>									
50	HVDC	BHADRAWATI B/B	-	0	1000	0.0	21.5	-21.5	
51	LINK	BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0	
52		SOLAPUR-RAICHUR	D/C	11	1505	0.0	24.6	-24.6	
53	765 KV	WARDHA-NIZAMABAD	D/C	0	1923	0.0	46.2	-46.2	
54	400 KV	KOLHAPUR-KUDGI	D/C	511	0	5.1	0.0	5.1	
55		KOLHAPUR-CHIKODI	D/C	0	0	0.0	0.0	0.0	
56	220 KV	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>6.6</b>	<b>92.3</b>	<b>-85.7</b>	
<b>TRANSNATIONAL EXCHANGE</b>									
58		BHUTAN						3.3	
59		NEPAL						-7.3	
60		BANGLADESH						-10.6	