



**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: 31<sup>st</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 30.12.2017.**

महोदय/Dear Sir,

आईईजीसी-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 30-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 30<sup>th</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

31-Dec-17

A. Maximum Demand

	NR	WR	SR	ER	NER	Total
Demand Met during Evening Peak hrs(MW) (at 1900 hrs; from RLDCs)	44296	45241	39526	17044	2385	148492
Peak Shortage (MW)	892	33	0	50	57	1032
Energy Met (MU)	898	1051	917	317	41	3224
Hydro Gen(MU)	111	21	54	29	10	225
Wind Gen(MU)	8	54	31	-----	-----	93
Solar Gen (MU)*	2.81	15.66	41.24	0.65	0.03	60
Energy Shortage (MU)	13.3	0.0	0.8	0.2	0.4	14.6
Maximum Demand Met during the day (MW) (from NLDC SCADA)	45161	51024	42956	17312	2332	151494

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	0.047	0.00	0.12	12.50	12.62	73.37	14.02

C. Power Supply Position in States

RegionRegion	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	5724	0	108.7	36.6	0.4	225	0.0
	Haryana	6642	0	123.3	62.1	0.4	223	0.0
	Rajasthan	10228	0	209.9	65.3	3.0	388	1.7
	Delhi	3634	0	62.1	49.3	-0.6	190	0.0
	UP	14095	330	281.9	86.1	1.6	649	0.8
	Uttarakhand	1950	0	35.7	23.2	-0.7	106	0.0
	HP	1537	0	27.3	22.2	0.4	122	0.0
	J&K	2178	545	45.7	42.4	-1.5	66	10.8
WR	Chandigarh	202	0	3.3	3.4	-0.2	15	0.0
	Chhattisgarh	3386	0	72.6	15.5	-1.3	238	0.0
	Gujarat	14455	0	306.7	73.9	0.7	494	0.0
	MP	9734	0	226.9	148.1	-2.5	508	0.0
	Maharashtra	20065	0	403.6	125.6	-0.8	366	0.0
	Goa	435	0	9.0	9.0	-0.5	52	0.0
	DD	315	0	7.1	6.9	0.2	55	0.0
	DNH	753	0	17.5	16.9	0.6	59	0.0
SR	Essar steel	345	0	7.1	7.1	0.0	126	0.0
	Andhra Pradesh	8400	0	164.2	56.7	1.1	400	0.1
	Telangana	9424	0	191.8	97.2	1.0	513	0.1
	Karnataka	9862	0	203.8	85.6	3.4	505	0.2
	Kerala	3304	0	63.2	53.2	0.7	194	0.1
	Tamil Nadu	13524	0	288.1	152.1	1.6	413	0.3
ER	Pondy	313	0	6.3	6.9	-0.6	29	0.0
	Bihar	3893	0	63.4	58.7	-2.3	165	0.0
	DVC	3332	0	66.9	-33.0	-1.6	150	0.0
	Jharkhand	1006	50	24.1	13.8	-0.3	65	0.2
	Odisha	3952	0	71.1	31.6	4.9	470	0.0
	West Bengal	5540	0	90.0	13.5	1.6	150	0.0
NER	Sikkim	103	0	1.4	1.7	-0.3	0	0.0
	Arunachal Pradesh	126	4	2.1	1.8	0.3	31	0.0
	Assam	1389	34	22.1	17.5	0.3	173	0.3
	Manipur	172	1	2.6	2.8	-0.2	21	0.0
	Meghalaya	304	3	5.8	3.5	0.0	16	0.0
	Mizoram	91	1	1.9	1.1	0.1	20	0.0
NER	Nagaland	130	2	2.5	1.8	0.5	60	0.1
	Tripura	214	1	3.9	2.0	0.6	59	0.0

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	3.4	-8.1	-9.1
Day peak (MW)	172.5	-456.7	-564.7

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	167.8	-197.2	115.5	-85.3	-0.5	0.3
Actual(MU)	156.2	-208.7	116.2	-73.5	0.1	-9.7
O/D/U/D(MU)	-11.6	-11.5	0.7	11.8	0.6	-10.1

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	3831	14531	5312	1720	131	25525
State Sector	6970	18030	7010	5670	50	37730
Total	10801	32561	12322	7390	181	63255

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	Total
Thermal (Coal & Lignite)	567	1127	553	384	9	2640
Hydro	111	20	54	29	10	224
Nuclear	29	24	69	0	0	122
Gas, Naptha & Diesel	21	51	18	0	25	115
RES (Wind, Solar, Biomass & Others)	35	70	114	2	0	220
Total	764	1291	808	415	44	3321

\*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(सि०प्र०)/  
मुख्य कार्यपालक अधिकारी(पोसोको)/सभी राज्यों के मुख्य सचिव/ऊर्जा सचिव

महाप्रबंधक (रा० भा० प्रे० के०)

INTER-REGIONAL EXCHANGES								Date of Reporting :	31-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	517	0.0	14.9	-14.9	
2		SASARAM-FATEHPUR	S/C	0	262	0.0	3.0	-3.0	
3		GAYA-BALIA	S/C	0	358	0.0	2.3	-2.3	
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	59	0.0	0.0	0.0	
7		PUSAULI -ALLAHABAD	S/C	0	11	0.0	0.0	0.0	
8		MUZAFFARPUR-GORAKHPUR	D/C	0	760	0.0	10.0	-10.0	
9		PATNA-BALIA	Q/C	0	1224	0.0	20.3	-20.3	
10		BIHARSHARIFF-BALIA	D/C	0	401	0.0	5.8	-5.8	
11		MOTHARI-GORAKHPUR	D/C	0	0	4.3	0.0	4.3	
12		BIHARSHARIFF-VARANASI	D/C	0	490	0.0	3.0	-3.0	
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	0.5	0.0	0.5	
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>4.9</b>	<b>59.2</b>	<b>-54.4</b>	
<b>Import/Export of ER (With WR)</b>									
18	765 KV	JHARSUGUDA-DHARAMJAIGARH S/C	D/C	0	0	17.2	0.0	17.2	
19		NEW RANCHI-DHARAMJAIGARH	D/C	0	506	1.0	0.0	1.0	
20	400 KV	ROURKELA - RAIGARH ( SEL LILO BYPASS)	S/C	0	81	1.6	0.0	1.6	
21		JHARSUGUDA-RAIGARH	S/C	0	29	2.7	0.0	2.7	
22		IBEUL-RAIGARH	S/C	0	0	2.8	0.0	2.8	
23		STERLITE-RAIGARH	D/C	0	0	0.0	0.0	0.0	
24		RANCHI-SIPAT	D/C	0	78	3.7	0.0	3.7	
25	220 KV	BUDHIPADAR-RAIGARH	S/C	0	19	1.1	0.0	1.1	
26		BUDHIPADAR-KORBA	D/C	0	0	3.1	0.0	3.1	
<b>ER-WR</b>						<b>33.0</b>	<b>0.0</b>	<b>33.0</b>	
<b>Import/Export of ER (With SR)</b>									
27	765 KV	ANGUL-SRIKAKULAM	D/C	0.0	0.0	0.0	18.4	-18.4	
28	HVDC LINK	JEYPORE-GAZUWAKA B/B	D/C	0.0	345.7	0.0	15.8	-15.8	
29		TALCHER-KOLAR BIPOLE	D/C	0.0	2278.0	0.0	46.0	-46.0	
30	400 KV	TALCHER-I/C	D/C	0.0	1094.8	0.0	16.8	-16.8	
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>80.3</b>	<b>-80.3</b>	
<b>Import/Export of ER (With NER)</b>									
32	400 KV	BINAGURI-BONGAIGAON	D/C	0	1112	0.0	7.1	-7	
33		ALIPURDUAR-BONGAIGAON	D/C	0	896	0.0	6.8	-7	
34	220 KV	ALIPURDUAR-SALAKATI	D/C	0	0	0.0	2.5	-3	
<b>ER-NER</b>						<b>0.0</b>	<b>16.4</b>	<b>-16.4</b>	
<b>Import/Export of NER (With NR)</b>									
35	HVDC	BISWANATH CHARIALI-AGRA	-	0	700	0.0	16.1	-16.1	
<b>NER-NR</b>						<b>0.0</b>	<b>16.1</b>	<b>-16.1</b>	
<b>Import/Export of WR (With NR)</b>									
36	HVDC	CHAMPA-KURUKSHETRA	D/C	0	1152	0.0	14.8	-14.8	
37		V'CHAL B/B	D/C	250	250	1.6	2.1	-0.5	
38		APL -MHG	D/C	0	1513	0.0	35.1	-35.1	
39	765 KV	GWALIOR-AGRA	D/C	0	2468	0.0	47.3	-47.3	
40		PHAGI-GWALIOR	D/C	484	0	0.0	23.7	-23.7	
41	400 KV	ZERDA-KANKROLI	S/C	187	21	2.0	0.0	2.0	
42		ZERDA -BHINMAL	S/C	73	102	0.0	0.3	-0.3	
43		V'CHAL -RIHAND	S/C	487	0	21.9	0.0	21.9	
44		RAPP-SHUJALPUR	D/C	0	1397	0	2	-2	
45	220 KV	BADOD-KOTA	S/C	98	0	1.2	0.0	1.2	
46		BADOD-MORAK	S/C	53	32	0.2	0.2	0.0	
47		MEHGAON-AURAIYA	S/C	85	0	1.5	0.0	1.5	
48		MALANPUR-AURAIYA	S/C	45	0	0.6	0.0	0.6	
49	132KV	GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0	
<b>WR-NR</b>						<b>29.0</b>	<b>125.7</b>	<b>-96.6</b>	
<b>Import/Export of WR (With SR)</b>									
50	HVDC	BHADRAWATI B/B	-	0	1000	0.0	20.3	-20.3	
51	LINK	BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0	
52		SOLAPUR-RAICHUR	D/C	0	1513	0.0	22.2	-22.2	
53	765 KV	WARDHA-NIZAMABAD	D/C	0	2304	0.0	41.8	-41.8	
54	400 KV	KOLHAPUR-KUDGI	D/C	547	193	4.3	0.7	3.7	
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>5.9</b>	<b>85.0</b>	<b>-79.1</b>	
<b>TRANSNATIONAL EXCHANGE</b>									
58		BHUTAN						3.4	
59		NEPAL						-8.1	
60		BANGLADESH						-9.1	