



**National Load Despatch Centre**  
राष्ट्रीय भार प्रेषण केंद्र  
**POWER SYSTEM OPERATION CORPORATION LIMITED**  
पाँवर 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: 21<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 20.12.2017.**

महोदय/Dear Sir,

आईईजीसी-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 20-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 20<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

21-Dec-17

A. Maximum Demand

	NR	WR	SR	ER	NER	Total
Demand Met during Evening Peak hrs(MW) (at 1900 hrs; from RLDCs)	44446	45872	38756	16995	2396	148465
Peak Shortage (MW)	987	11	0	0	56	1054
Energy Met (MU)	904	1060	885	326	42	3217
Hydro Gen(MU)	114	18	66	28	13	238
Wind Gen(MU)	9	65	38	-----	-----	112
Solar Gen (MU)*	0.61	11.09	38.43	0.67	0.01	51
Energy Shortage (MU)	14.3	0.0	0.8	0.0	0.5	15.6
Maximum Demand Met during the day (MW) (from NLDC SCADA)	45286	51204	41848	17161	2368	151345

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	0.034	0.00	0.00	8.26	8.26	83.80	7.94

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	5280	0	102.9	34.4	0.3	138	0.0
	Haryana	6695	139	125.2	60.7	1.0	207	0.2
	Rajasthan	10934	0	207.1	71.1	4.7	418	1.5
	Delhi	3861	0	66.6	52.7	0.2	302	0.0
	UP	14142	360	293.4	93.7	0.0	409	0.9
	Uttarakhand	2025	0	36.5	23.8	-0.7	143	0.0
	HP	1495	6	25.3	20.6	-0.6	95	1.8
	J&K	2207	552	43.8	40.3	-1.6	155	10.0
WR	Chhattisgarh	212	0	3.5	3.7	-0.1	16	0.0
	Chhattisgarh	3323	0	70.2	4.2	-1.3	176	0.0
	Gujarat	14742	0	301.8	71.6	-0.7	278	0.0
	MP	12447	0	234.1	141.8	-3.3	242	0.0
	Maharashtra	20089	0	411.2	118.6	-0.7	360	0.0
	Goa	431	0	8.8	8.7	-0.4	23	0.0
	DD	315	0	6.2	5.5	0.7	60	0.0
	DNH	750	0	17.3	16.7	0.6	59	0.0
SR	Essar steel	516	0	10.8	10.8	0.0	201	0.0
	Andhra Pradesh	7900	0	157.5	58.4	-0.7	436	0.1
	Telangana	8331	0	165.1	72.7	-0.8	386	0.1
	Karnataka	9848	0	201.2	83.1	2.8	442	0.2
	Kerala	3520	0	66.7	48.0	0.8	195	0.1
	Tamil Nadu	13740	0	288.3	147.7	6.2	531	0.3
ER	Pondy	332	0	5.7	7.0	-1.3	25	0.0
	Bihar	3865	0	66.0	58.9	-0.6	320	0.0
	DVC	2920	0	68.0	-36.5	-1.2	245	0.0
	Jharkhand	1058	0	24.0	13.4	0.4	135	0.0
	Odisha	3644	0	64.0	28.2	2.1	350	0.0
	West Bengal	6145	0	102.8	15.4	1.1	385	0.0
NER	Sikkim	103	0	1.5	1.5	-0.1	21	0.0
	Arunachal Pradesh	116	9	2.0	1.8	0.2	21	0.0
	Assam	1423	5	23.0	18.3	2.0	123	0.3
	Manipur	163	5	2.4	2.7	-0.3	19	0.0
	Meghalaya	308	2	6.5	3.3	0.1	54	0.0
	Mizoram	90	1	1.8	1.1	0.1	25	0.0
	Nagaland	119	4	2.4	1.8	0.1	43	0.0
Tripura	214	1	3.5	1.2	0.5	61	0.0	

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	3.8	-6.4	-11.3
Day peak (MW)	179.7	-375.7	-616.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	154.7	-186.1	105.2	-77.1	0.0	-3.4
Actual(MU)	159.9	-200.2	113.9	-72.1	1.7	3.2
O/D/U/D(MU)	5.2	-14.1	8.7	5.0	1.7	6.6

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	4031	14261	7572	2455	485	28804
State Sector	8125	15490	8650	5870	50	38185
Total	12156	29751	16222	8325	535	66989

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	Total
Thermal (Coal & Lignite)	578	1112	533	390	1	2616
Hydro	114	17	66	28	13	237
Nuclear	29	27	46	0	0	103
Gas, Naptha & Diesel	45	51	18	0	19	133
RES (Wind, Solar, Biomass & Others)	12	76	175	3	0	265
Total	777	1283	838	421	33	3353

\*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)

INTER-REGIONAL EXCHANGES								Date of Reporting :	21-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	313	0.0	7.3	-7.3	
2		SASARAM-FATEHPUR	S/C	0	194	0.3	0.0	0.3	
3		GAYA-BALIA	S/C	0	342	0.0	5.4	-5.4	
4	HVDC	ALIPURDUAR-AGRA	-	0	0	0.0	0.0	0.0	
5		PUSAULI B/B	S/C	0	247	0.0	6.0	-6.0	
6	400 KV	PUSAULI-VARANASI	S/C	0	210	0.0	0.0	0.0	
7		PUSAULI -ALLAHABAD	S/C	0	112	0.0	0.0	0.0	
8		MUZAFFARPUR-GORAKHPUR	D/C	0	611	0.0	7.2	-7.2	
9		PATNA-BALIA	Q/C	0	1127	0.0	22.1	-22.1	
10		BIHARSHARIFF-BALIA	D/C	0	250	0.0	3.5	-3.5	
11		MOTHARI-GORAKHPUR	D/C	0	0	4.2	0.0	4.2	
12		BIHARSHARIFF-VARANASI	D/C	0	233	0.1	0.0	0.1	
13	220 KV	PUSAULI-SAHUPURI	S/C	0	115	0.0	2.1	-2.1	
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>5.1</b>	<b>53.5</b>	<b>-48.4</b>	
<b>Import/Export of ER (With WR)</b>									
18	765 KV	JHARSUGUDA-DHARAMJAIGARH S/C	D/C	0	0	11.3	0.0	11.3	
19		NEW RANCHI-DHARAMJAIGARH	D/C	0	384	0.4	0.0	0.4	
20	400 KV	ROURKELA - RAIGARH ( SEL LILO BYPASS)	S/C	0	39	1.7	0.0	1.7	
21		JHARSUGUDA-RAIGARH	S/C	0	0	1.6	0.0	1.6	
22		IBEUL-RAIGARH	S/C	0	0	1.6	0.0	1.6	
23		STERLITE-RAIGARH	D/C	0	0	0.0	0.0	0.0	
24		RANCHI-SIPAT	D/C	0	27	2.3	0.0	2.3	
25	220 KV	BUDHIPADAR-RAIGARH	S/C	0	77	0.0	0.5	-0.5	
26		BUDHIPADAR-KORBA	D/C	0	0	2.2	0.0	2.2	
<b>ER-WR</b>						<b>21.2</b>	<b>0.5</b>	<b>20.7</b>	
<b>Import/Export of ER (With SR)</b>									
27	765 KV	ANGUL-SRIKAKULAM	D/C	0.0	0.0	0.0	17.7	-17.7	
28	HVDC LINK	JEYPORE-GAZUWAKA B/B	D/C	0.0	323.9	0.0	9.1	-9.1	
29		TALCHER-KOLAR BIPOLE	D/C	0.0	2276.7	0.0	44.2	-44.2	
30	400 KV	TALCHER-I/C	D/C	0.0	1354.8	0.0	18.8	-18.8	
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>71.0</b>	<b>-71.0</b>	
<b>Import/Export of ER (With NER)</b>									
32	400 KV	BINAGURI-BONGAIGAON	D/C	0	1408	0.0	8.4	-8	
33		ALIPURDUAR-BONGAIGAON	D/C	0	1122	0.0	8.3	-8	
34	220 KV	ALIPURDUAR-SALAKATI	D/C	0	0	0.0	1.9	-2	
<b>ER-NER</b>						<b>0.0</b>	<b>18.5</b>	<b>-18.5</b>	
<b>Import/Export of NER (With NR)</b>									
35	HVDC	BISWANATH CHARIALI-AGRA	-	0	702	0.0	16.9	-16.9	
<b>NER-NR</b>						<b>0.0</b>	<b>16.9</b>	<b>-16.9</b>	
<b>Import/Export of WR (With NR)</b>									
36	HVDC	CHAMPA-KURUKSHETRA	D/C	0	639	0.0	16.6	-16.6	
37		V'CHAL B/B	D/C	100	50	0.5	1.0	-0.5	
38		APL -MHG	D/C	0	1612	0.0	32.4	-32.4	
39	765 KV	GWALIOR-AGRA	D/C	0	2774	0.0	42.2	-42.2	
40		PHAGI-GWALIOR	D/C	489	0	0.0	27.5	-27.5	
41	400 KV	ZERDA-KANKROLI	S/C	196	0	2.7	0.0	2.7	
42		ZERDA -BHINMAL	S/C	180	134	0.7	0.0	0.7	
43		V'CHAL -RIHAND	S/C	494	0	22.7	0.0	22.7	
44		RAPP-SHUJALPUR	D/C	0	1573	0	2	-2	
45	220 KV	BADOD-KOTA	S/C	104	0	1.2	0.0	1.2	
46		BADOD-MORAK	S/C	33	42	0.1	0.4	-0.3	
47		MEHGAON-AURAIYA	S/C	88	0	1.6	0.0	1.6	
48	132KV	MALANPUR-AURAIYA	S/C	46	0	0.6	0.0	0.6	
49		GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0	
<b>WR-NR</b>						<b>30.1</b>	<b>121.8</b>	<b>-91.8</b>	
<b>Import/Export of WR (With SR)</b>									
50	HVDC LINK	BHADRAWATI B/B	-	0	1000	0.0	18.8	-18.8	
51		BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0	
52	765 KV	SOLAPUR-RAICHUR	D/C	0	1804	0.0	29.7	-29.7	
53		WARDHA-NIZAMABAD	D/C	0	2008	0.0	39.3	-39.3	
54	400 KV	KOLHAPUR-KUDGI	D/C	347	432	2.3	3.0	-0.8	
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>3.8</b>	<b>90.9</b>	<b>-87.1</b>	
<b>TRANSNATIONAL EXCHANGE</b>									
58		BHUTAN						<b>3.8</b>	
59		NEPAL						<b>-6.4</b>	
60		BANGLADESH						<b>-11.3</b>	