



**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: 20<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 19.12.2017.**

महोदय/Dear Sir,

आईईजीसी-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 19-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 19<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

20-Dec-17

A. Maximum Demand

	NR	WR	SR	ER	NER	Total
Demand Met during Evening Peak hrs(MW) (at 1900 hrs; from RLDCs)	43691	46709	38462	17140	2400	148401
Peak Shortage (MW)	749	0	0	0	66	815
Energy Met (MU)	890	1054	881	328	42	3194
Hydro Gen(MU)	110	25	57	30	13	235
Wind Gen(MU)	13	57	59	-----	-----	129
Solar Gen (MU)*	2.76	13.23	37.08	0.54	0.01	54
Energy Shortage (MU)	12.3	0.0	0.0	0.0	0.5	12.8
Maximum Demand Met during the day (MW) (from NLDC SCADA)	44668	49990	41367	17461	2347	149816

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	0.043	0.00	0.47	10.34	10.81	76.09	13.10

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	5164	0	98.3	30.3	0.2	197	0.0
	Haryana	6527	49	123.2	58.6	0.4	190	0.1
	Rajasthan	10897	0	204.4	66.5	4.0	448	0.0
	Delhi	3637	0	65.4	52.5	-0.5	303	0.0
	UP	13887	240	287.5	92.3	2.2	426	2.1
	Uttarakhand	1996	0	36.2	22.6	0.7	163	0.0
	HP	1487	0	27.1	21.6	0.1	137	0.0
	J&K	2048	512	44.1	40.4	-1.4	42	10.1
WR	Chhattisgarh	211	0	3.5	3.8	-0.3	8	0.0
	Chhattisgarh	3317	0	71.3	4.6	0.6	219	0.0
	Gujarat	14574	0	303.6	80.5	-0.8	699	0.0
	MP	12169	0	231.5	143.2	-0.4	359	0.0
	Maharashtra	19624	0	406.8	116.4	-3.6	346	0.0
	Goa	353	0	7.8	7.5	-0.2	22	0.0
	DD	281	0	4.9	4.6	0.3	45	0.0
	DNH	743	0	17.2	17.0	0.2	40	0.0
SR	Essar steel	522	0	11.0	11.2	-0.2	175	0.0
	Andhra Pradesh	7682	0	160.0	57.9	0.7	732	0.0
	Telangana	8462	0	164.5	76.3	-2.9	640	0.0
	Karnataka	9538	0	198.9	79.8	2.1	429	0.0
	Kerala	3442	0	64.5	48.7	0.8	217	0.0
	Tamil Nadu	13774	0	286.8	143.1	6.8	479	0.0
ER	Pondy	334	0	6.7	7.2	-0.5	27	0.0
	Bihar	3826	0	66.1	59.0	0.2	360	0.0
	DVC	3039	0	68.4	-36.0	-0.9	245	0.0
	Jharkhand	1030	0	24.2	13.5	0.9	135	0.0
	Odisha	3838	0	66.6	28.7	3.0	390	0.0
	West Bengal	6078	0	101.0	14.2	0.1	385	0.0
NER	Sikkim	105	0	1.4	1.6	-0.2	25	0.0
	Arunachal Pradesh	123	7	2.1	1.9	0.2	21	0.0
	Assam	1416	18	23.4	17.9	1.5	84	0.3
	Manipur	174	5	2.5	3.0	-0.5	3	0.0
	Meghalaya	324	0	6.5	3.4	0.1	27	0.0
	Mizoram	91	7	1.7	1.1	0.4	10	0.0
NER	Nagaland	127	7	2.3	1.7	0.1	33	0.0
	Tripura	226	1	3.3	1.6	-0.2	55	0.0

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	4.1	-7.9	-12.3
Day peak (MW)	194.7	-330.0	-612.7

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	142.3	-164.3	101.2	-79.5	-0.5	-0.8
Actual(MU)	136.5	-172.6	103.6	-74.2	-0.5	-7.2
O/D/U/D(MU)	-5.8	-8.3	2.4	5.3	0.0	-6.5

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	4031	16526	7072	2455	485	30569
State Sector	9905	16150	8470	5870	50	40445
Total	13936	32676	15542	8325	535	71014

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	Total
Thermal (Coal & Lignite)	569	1083	523	388	1	2564
Hydro	110	24	57	30	13	234
Nuclear	29	27	46	0	0	102
Gas, Naptha & Diesel	47	52	18	0	22	139
RES (Wind, Solar, Biomass & Others)	18	70	195	2	0	286
Total	774	1256	839	420	36	3325

\*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 :	20-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	304	0.0	6.4	-6.4	
2		SASARAM-FATEHPUR	S/C	0	74	1.4	0.0	1.4	
3		GAYA-BALIA	S/C	0	359	0.0	5.9	-5.9	
4	HVDC	ALIPURDUAR-AGRA	-	0	0	0.0	0.0	0.0	
5		PUSAULI B/B	S/C	0	247	0.0	5.7	-5.7	
6	400 KV	PUSAULI-VARANASI	S/C	0	209	0.0	0.0	0.0	
7		PUSAULI -ALLAHABAD	S/C	0	103	0.0	0.0	0.0	
8		MUZAFFARPUR-GORAKHPUR	D/C	0	585	0.0	6.8	-6.8	
9		PATNA-BALIA	Q/C	0	1132	0.0	19.9	-19.9	
10		BIHARSHARIFF-BALIA	D/C	0	135	0.0	6.8	-6.8	
11		MOTHARI-GORAKHPUR	D/C	0	0	5.0	0.0	5.0	
12		BIHARSHARIFF-VARANASI	D/C	0	228	0.5	0.0	0.5	
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>7.4</b>	<b>53.6</b>	<b>-46.2</b>	
<b>Import/Export of ER (With WR)</b>									
18	765 KV	JHARSUGUDA-DHARAMJAIGARH S/C	D/C	0	45	9.6	0.0	9.6	
19		NEW RANCHI-DHARAMJAIGARH	D/C	0	472	0.0	2.4	-2.4	
20	400 KV	ROURKELA - RAIGARH ( SEL LILO BYPASS)	S/C	0	65	0.6	0.0	0.6	
21		JHARSUGUDA-RAIGARH	S/C	0	12	1.5	0.0	1.5	
22		IBEUL-RAIGARH	S/C	0	0	1.5	0.0	1.5	
23		STERLITE-RAIGARH	D/C	0	0	0.0	0.0	0.0	
24		RANCHI-SIPAT	D/C	0	63	1.6	0.0	1.6	
25	220 KV	BUDHIPADAR-RAIGARH	S/C	0	54	0.0	0.1	-0.1	
26		BUDHIPADAR-KORBA	D/C	0	0	2.2	0.0	2.2	
<b>ER-WR</b>						<b>17.0</b>	<b>2.5</b>	<b>14.5</b>	
<b>Import/Export of ER (With SR)</b>									
27	765 KV	ANGUL-SRIKAKULAM	D/C	0.0	0.0	0.0	16.5	-16.5	
28	HVDC	JEYPORE-GAZUWAKA B/B	D/C	0.0	344.3	0.0	13.1	-13.1	
29	LINK	TALCHER-KOLAR BIPOLE	D/C	0.0	2263.3	0.0	42.0	-42.0	
30	400 KV	TALCHER-I/C	D/C	0.0	1276.0	0.0	16.4	-16.4	
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>71.6</b>	<b>-71.6</b>	
<b>Import/Export of ER (With NER)</b>									
32	400 KV	BINAGURI-BONGAIGAON	D/C	0	1312	0.0	7.3	-7	
33		ALIPURDUAR-BONGAIGAON	D/C	0	1049	0.0	7.0	-7	
34	220 KV	ALIPURDUAR-SALAKATI	D/C	0	0	0.0	1.7	-2	
<b>ER-NER</b>						<b>0.0</b>	<b>16.1</b>	<b>-16.1</b>	
<b>Import/Export of NER (With NR)</b>									
35	HVDC	BISWANATH CHARIALI-AGRA	-	0	700	0.0	16.8	-16.8	
<b>NER-NR</b>						<b>0.0</b>	<b>16.8</b>	<b>-16.8</b>	
<b>Import/Export of WR (With NR)</b>									
36	HVDC	CHAMPA-KURUKSHETRA	D/C	0	586	0.0	17.4	-17.4	
37		V'CHAL B/B	D/C	0	250	0.0	4.4	-4.4	
38		APL -MHG	D/C	0	1612	0.0	32.5	-32.5	
39	765 KV	GWALIOR-AGRA	D/C	0	2500	0.0	34.5	-34.5	
40		PHAGI-GWALIOR	D/C	488	0	0.0	23.1	-23.1	
41	400 KV	ZERDA-KANKROLI	S/C	268	116	3.7	0.0	3.7	
42		ZERDA -BHINMAL	S/C	260	33	2.2	0.0	2.2	
43		V'CHAL -RIHAND	S/C	489	0	21.7	0.0	21.7	
44		RAPP-SHUJALPUR	D/C	0	1421	0	1	-1	
45	220 KV	BADOD-KOTA	S/C	111	0	1.8	0.0	1.8	
46		BADOD-MORAK	S/C	55	18	0.5	0.1	0.4	
47		MEHGAON-AURAIYA	S/C	111	0	1.7	0.0	1.7	
48		MALANPUR-AURAIYA	S/C	68	0	0.8	0.0	0.8	
49	132KV	GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0	
<b>WR-NR</b>						<b>32.4</b>	<b>112.5</b>	<b>-80.2</b>	
<b>Import/Export of WR (With SR)</b>									
50	HVDC	BHADRAWATI B/B	-	0	1000	0.0	18.3	-18.3	
51	LINK	BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0	
52	765 KV	SOLAPUR-RAICHUR	D/C	14	1569	0.0	25.6	-25.6	
53		WARDHA-NIZAMABAD	D/C	0	1447	0.0	33.8	-33.8	
54	400 KV	KOLHAPUR-KUDGI	D/C	279	367	1.2	2.5	-1.3	
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>2.7</b>	<b>80.2</b>	<b>-77.5</b>	
<b>TRANSNATIONAL EXCHANGE</b>									
58		BHUTAN						<b>4.1</b>	
59		NEPAL						<b>-7.9</b>	
60		BANGLADESH						<b>-12.3</b>	