



**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: 14<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 13.12.2017.**

महोदय/Dear Sir,

आईईजीसी-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 13-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 13<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

14-Dec-17

A. Maximum Demand

	NR	WR	SR	ER	NER	Total
Demand Met during Evening Peak hrs(MW) (at 1900 hrs; from RLDCs)	41943	45862	38533	17176	2346	145860
Peak Shortage (MW)	1149	80	0	0	75	1304
Energy Met (MU)	843	1062	900	328	43	3175
Hydro Gen(MU)	118	24	84	31	13	271
Wind Gen(MU)	10	15	12	-----	-----	37
Solar Gen (MU)*	2.61	15.10	33.89	0.65	0.10	52
Energy Shortage (MU)	12.3	0.0	2.7	0.0	0.5	15.5
Maximum Demand Met during the day (MW) (from NLDC SCADA)	42891	49355	40765	17117	2299	147049

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	0.108	0.00	5.46	28.78	34.25	60.46	5.29

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	4718	0	92.4	23.6	-0.6	180	0.0
	Haryana	5968	386	109.5	59.1	1.1	253	0.1
	Rajasthan	9874	0	199.7	74.3	0.5	240	0.1
	Delhi	3605	0	63.9	49.5	0.4	203	0.0
	UP	13104	250	268.9	85.0	0.0	523	1.4
	Uttarakhand	1880	0	35.1	17.5	-0.8	119	0.0
	HP	1441	0	26.4	20.6	-0.2	112	0.4
	J&K	2053	513	43.3	40.7	-2.0	51	10.2
WR	Chhattisgarh	208	0	3.5	3.6	-0.1	12	0.0
	Gujarat	3299	0	72.9	3.6	0.4	139	0.0
	MP	13665	0	293.5	79.2	-1.3	131	0.0
	Maharashtra	9346	0	232.5	136.1	2.3	684	0.0
	Goa	20247	0	418.1	130.4	-3.3	362	0.0
	DD	432	0	9.4	8.5	0.2	40	0.0
	DNH	323	0	7.2	6.3	0.9	93	0.0
	Essar steel	723	0	16.7	16.1	0.6	79	0.0
SR	Andhra Pradesh	534	0	11.6	10.8	0.8	214	0.0
	Telangana	8160	0	167.7	70.3	2.3	545	0.5
	Karnataka	8064	0	156.9	67.1	-2.2	351	0.5
	Kerala	9734	0	207.3	86.8	2.6	415	0.6
	Tamil Nadu	3415	0	66.9	45.1	0.5	172	0.2
	Pondy	13485	0	295.2	157.1	6.8	700	0.9
ER	Bihar	327	0	6.6	7.2	-0.6	23	0.0
	DVC	3694	0	63.4	56.9	-0.2	180	0.0
	Jharkhand	2849	0	65.4	-38.9	-1.2	230	0.0
	Odisha	1013	0	23.7	13.3	0.5	80	0.0
	West Bengal	3735	0	66.8	26.2	1.7	320	0.0
	Sikkim	6125	0	107.6	20.4	3.3	350	0.0
NER	Arunachal Pradesh	102	0	1.5	1.4	0.1	30	0.0
	Assam	110	2	2.3	1.9	0.4	21	0.0
	Manipur	1414	13	23.7	17.6	0.6	84	0.4
	Meghalaya	156	3	2.9	2.7	0.1	3	0.0
	Mizoram	287	8	5.8	2.6	-0.3	27	0.0
	Nagaland	84	3	1.5	1.3	0.1	10	0.0
Tripura	114	1	2.3	1.6	0.3	33	0.0	
		215	1	4.0	1.7	0.8	55	0.0

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	4.7	-7.2	-11.6
Day peak (MW)	254.5	-442.2	-610.3

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	133.1	-155.2	103.5	-71.9	-4.2	5.2
Actual(MU)	119.6	-173.9	110.0	-63.8	-3.8	-11.9
O/D/U/D(MU)	-13.5	-18.7	6.5	8.1	0.4	-17.2

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	4214	17932	7272	2980	143	32542
State Sector	10775	15585	9394	5450	50	41254
Total	14989	33517	16666	8430	193	73796

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	Total
Thermal (Coal & Lignite)	523	1124	563	379	1	2590
Hydro	118	23	84	31	13	270
Nuclear	34	27	46	0	0	108
Gas, Naptha & Diesel	52	56	18	0	24	150
RES (Wind, Solar, Biomass & Others)	15	30	141	2	0	188
Total	743	1259	852	412	38	3305

\*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(त्रि०प्र०)/  
मुख्य कार्यपालक अधिकारी(पोसोको)/सभी राज्यों के मुख्य सचिव/ऊर्जा सचिव

महाप्रबंधक (रा० भा० प्रे० के०)

INTER-REGIONAL EXCHANGES								Date of Reporting :	14-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	237	0.0	6.5	-6.5	
2		SASARAM-FATEHPUR	S/C	0	157	0.6	0.0	0.6	
3		GAYA-BALIA	S/C	0	212	0.0	3.5	-3.5	
4	HVDC	ALIPURDUAR-AGRA	-	0	0	0.0	0.0	0.0	
5		PUSAULI B/B	S/C	0	245	0.0	5.8	-5.8	
6	400 KV	PUSAULI-VARANASI	S/C	0	196	0.0	0.0	0.0	
7		PUSAULI -ALLAHABAD	S/C	0	98	0.0	0.0	0.0	
8		MUZAFFARPUR-GORAKHPUR	D/C	0	559	0.0	7.4	-7.4	
9		PATNA-BALIA	Q/C	0	1113	0.0	16.9	-16.9	
10		BIHARSHARIFF-BALIA	D/C	0	206	0.0	2.8	-2.8	
11		MOTHARI-GORAKHPUR	D/C	0	0	4.4	0.0	4.4	
12		BIHARSHARIFF-VARANASI	D/C	0	180	0.0	1.0	-1.0	
13	220 KV	PUSAULI-SAHUPURI	S/C	0	116	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	0.4	0.0	0.4	
16		KARMANASA-SAHUPURI	S/C	0	0	0.0	0.0	0.0	
17		KARMANASA-CHANDALI	S/C	0	0	0.0	0.0	0.0	
<b>ER-NR</b>						<b>5.4</b>	<b>45.9</b>	<b>-40.5</b>	
<b>Import/Export of ER (With WR)</b>									
18	765 KV	JHARSUGUDA-DHARAMJAIGARH S/C	D/C	0	0	15.1	0.0	15.1	
19		NEW RANCHI-DHARAMJAIGARH	D/C	0	407	0.0	0.0	0.0	
20	400 KV	ROURKELA - RAIGARH ( SEL LILO BYPASS)	S/C	0	5	1.7	0.0	1.7	
21		JHARSUGUDA-RAIGARH	S/C	0	0	2.5	0.0	2.5	
22		IBEUL-RAIGARH	S/C	0	0	2.6	0.0	2.6	
23		STERLITE-RAIGARH	D/C	0	0	0.0	0.0	0.0	
24		RANCHI-SIPAT	D/C	0	35	3.2	0.0	3.2	
25	220 KV	BUDHIPADAR-RAIGARH	S/C	0	67	0.1	0.3	-0.2	
26		BUDHIPADAR-KORBA	D/C	0	0	0.9	0.0	0.9	
<b>ER-WR</b>						<b>26.1</b>	<b>0.3</b>	<b>25.8</b>	
<b>Import/Export of ER (With SR)</b>									
27	765 KV	ANGUL-SRIKAKULAM	D/C	0.0	0.0	0.0	20.9	-20.9	
28	HVDC	JEYPORE-GAZUWAKA B/B	D/C	0.0	367.5	0.0	10.1	-10.1	
29	LINK	TALCHER-KOLAR BIPOLE	D/C	0.0	2237.9	0.0	50.4	-50.4	
30	400 KV	TALCHER-I/C	D/C	0.0	887.3	0.0	12.1	-12.1	
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>81.4</b>	<b>-81.4</b>	
<b>Import/Export of ER (With NER)</b>									
32	400 KV	BINAGURI-BONGAIGAON	D/C	0	904	0.0	5.4	-5	
33		ALIPURDUAR-BONGAIGAON	D/C	0	736	0.0	4.9	-5	
34	220 KV	ALIPURDUAR-SALAKATI	D/C	0	0	0.0	1.5	-2	
<b>ER-NER</b>						<b>0.0</b>	<b>11.8</b>	<b>-11.8</b>	
<b>Import/Export of NER (With NR)</b>									
35	HVDC	BISWANATH CHARIALI-AGRA	-	0	701	0.0	15.8	-15.8	
<b>NER-NR</b>						<b>0.0</b>	<b>15.8</b>	<b>-15.8</b>	
<b>Import/Export of WR (With NR)</b>									
36	HVDC	CHAMPA-KURUKSHETRA	D/C	0	700	0.0	11.0	-11.0	
37		V'CHAL B/B	D/C	250	250	2.1	1.2	0.9	
38		APL -MHG	D/C	0	909	0.0	21.8	-21.8	
39	765 KV	GWALIOR-AGRA	D/C	0	1908	0.0	32.1	-32.1	
40		PHAGI-GWALIOR	D/C	0	1236	0.0	24.1	-24.1	
41	400 KV	ZERDA-KANKROLI	S/C	210	0	2.9	0.0	2.9	
42		ZERDA -BHINMAL	S/C	223	83	1.2	0.0	1.2	
43		V'CHAL -RIHAND	S/C	732	0	11.1	0.0	11.1	
44		RAPP-SHUJALPUR	D/C	0	210	0	1	-1	
45		BADOD-KOTA	S/C	121	0	1.5	0.0	1.5	
46	220 KV	BADOD-MORAK	S/C	60	37	0.3	0.2	0.1	
47		MEHGAON-AURAIYA	S/C	92	0	1.5	0.0	1.5	
48		MALANPUR-AURAIYA	S/C	54	0	0.7	0.0	0.7	
49	132KV	GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0	
<b>WR-NR</b>						<b>21.3</b>	<b>91.8</b>	<b>-70.4</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	1873	0.0	30.5	-30.5	
53		WARDHA-NIZAMABAD	D/C	0	1911	0.0	35.5	-35.5	
54	400 KV	KOLHAPUR-KUDGI	D/C	375	217	3.4	0.7	2.7	
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>4.9</b>	<b>78.6</b>	<b>-73.7</b>	
<b>TRANSNATIONAL EXCHANGE</b>									
58		BHUTAN						4.7	
59		NEPAL						-7.2	
60		BANGLADESH						-11.6	