



**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: 22<sup>nd</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 21.12.2017.**

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 21-दिसम्बर - 2017 की अखिल भारतीय प्रणाली की दैनिक ग्रिड निष्पादन रिपोर्ट रा०भा०प्रे०के० 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 21<sup>st</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

22-Dec-17

A. Maximum Demand

	NR	WR	SR	ER	NER	Total
Demand Met during Evening Peak hrs(MW) (at 1900 hrs; from RLDCs)	44490	46160	37794	17284	2409	148137
Peak Shortage (MW)	615	11	0	0	63	690
Energy Met (MU)	905	1062	893	326	42	3229
Hydro Gen(MU)	115	20	62	28	12	238
Wind Gen(MU)	7	75	43	-----	-----	125
Solar Gen (MU)*	3.09	13.36	38.76	0.56	0.02	56
Energy Shortage (MU)	12.2	0.0	0.2	0.0	0.5	13.0
Maximum Demand Met during the day (MW) (from NLDC SCADA)	45570	49727	41948	17251	2460	150651

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	5338	0	102.7	34.5	0.4	202	0.0
	Haryana	6789	117	125.8	60.4	0.3	157	0.1
	Rajasthan	11211	0	208.9	75.3	3.2	342	1.9
	Delhi	3723	0	65.9	53.1	-0.5	186	0.0
	UP	14027	90	292.6	91.7	1.3	331	0.0
	Uttarakhand	1947	0	35.6	22.6	-0.8	142	0.0
	HP	1492	0	27.0	21.2	0.4	127	0.0
	J&K	2101	525	43.1	40.2	-2.0	63	10.2
WR	Chhattisgarh	207	0	3.5	3.6	-0.2	11	0.0
	Gujarat	3285	0	72.2	4.2	0.1	161	0.0
	MP	14759	0	305.1	69.1	-1.9	308	0.0
	Maharashtra	12097	0	229.7	143.6	-1.9	400	0.0
	Goa	20261	0	412.1	119.4	-0.3	363	0.0
	DD	433	0	9.2	9.1	-0.5	4	0.0
	DNH	295	0	6.4	6.1	0.3	48	0.0
	Essar steel	748	0	17.5	16.3	1.2	99	0.0
SR	Andhra Pradesh	505	0	10.1	9.2	0.9	200	0.0
	Telangana	7827	0	160.7	59.0	2.1	420	0.0
	Karnataka	8508	0	167.5	74.2	-1.4	357	0.0
	Kerala	9814	0	203.1	82.8	4.2	401	0.1
	Tamil Nadu	3537	0	67.2	49.0	1.4	300	0.0
	Pondy	13890	0	288.2	141.6	8.7	508	0.1
ER	Bihar	336	0	6.5	6.9	-0.4	38	0.0
	DVC	3820	0	64.0	58.2	-1.0	60	0.0
	Jharkhand	2892	0	68.2	-36.1	-1.2	200	0.0
	Odisha	1099	0	24.4	13.8	1.0	90	0.0
	West Bengal	3798	0	66.7	28.4	2.2	350	0.0
	Sikkim	6186	0	101.7	17.4	1.4	520	0.0
NER	Arunachal Pradesh	92	0	1.4	1.7	-0.3	10	0.0
	Assam	129	0	2.1	1.8	0.3	23	0.0
	Manipur	1428	2	22.6	17.1	2.3	141	0.4
	Meghalaya	166	6	2.4	2.7	-0.3	28	0.0
	Mizoram	308	2	6.4	3.4	-0.1	47	0.0
	Nagaland	90	1	1.6	1.1	0.1	2	0.0
Tripura	120	3	2.3	1.8	0.1	31	0.0	
		218	1	4.3	1.3	1.1	37	0.0

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	4.2	-8.3	-11.6
Day peak (MW)	192.7	-447.2	-616.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	162.1	-191.5	104.0	-74.2	-0.6	-0.2
Actual(MU)	157.0	-203.4	108.0	-67.4	2.1	-3.7
O/D/U/D(MU)	-5.1	-12.0	4.0	6.8	2.7	-3.5

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	4031	14201	7362	2455	510	28559
State Sector	7505	16498	8110	5660	50	37823
Total	11536	30699	15472	8115	560	66382

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	Total
Thermal (Coal & Lignite)	571	1110	539	386	1	2607
Hydro	115	18	62	28	12	236
Nuclear	29	27	46	0	0	102
Gas, Naptha & Diesel	44	49	18	0	20	131
RES (Wind, Solar, Biomass & Others)	13	88	180	2	0	283
Total	772	1293	845	416	33	3359

\*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)

<b>INTER-REGIONAL EXCHANGES</b>								Date of Reporting : 22-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	274	0.0	7.8	-7.8
2		SASARAM-FATEHPUR	S/C	0	132	0.7	0.0	0.7
3		GAYA-BALIA	S/C	0	316	0.0	5.1	-5.1
4	HVDC	ALIPURDUAR-AGRA	-	0	175	0.0	3.0	-3.0
5		PUSAULI B/B	S/C	0	245	0.0	5.8	-5.8
6	400 KV	PUSAULI-VARANASI	S/C	0	205	0.0	0.0	0.0
7		PUSAULI -ALLAHABAD	S/C	0	108	0.0	0.0	0.0
8		MUZAFFARPUR-GORAKHPUR	D/C	0	570	0.0	7.5	-7.5
9		PATNA-BALIA	Q/C	0	1038	0.0	19.2	-19.2
10		BIHARSHARIFF-BALIA	D/C	0	165	0.0	2.5	-2.5
11		MOTHARI-GORAKHPUR	D/C	0	0	4.5	0.0	4.5
12		BIHARSHARIFF-VARANASI	D/C	0	269	0.0	0.1	-0.1
13	220 KV	PUSAULI-SAHUPURI	S/C	0	157	0.0	2.4	-2.4
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>5.7</b>	<b>53.3</b>	<b>-47.6</b>
<b>Import/Export of ER (With WR)</b>								
18	765 KV	JHARSUGUDA-DHARAMJAIGARH S/C	D/C	0	0	11.7	0.0	11.7
19		NEW RANCHI-DHARAMJAIGARH	D/C	0	293	1.7	0.0	1.7
20	400 KV	ROURKELA - RAIGARH ( SEL LILO BYPASS)	S/C	0	49	0.8	0.0	0.8
21		JHARSUGUDA-RAIGARH	S/C	0	10	1.2	0.0	1.2
22		IBEUL-RAIGARH	S/C	0	0	1.3	0.0	1.3
23		STERLITE-RAIGARH	D/C	0	0	0.0	0.0	0.0
24		RANCHI-SIPAT	D/C	0	0	3.2	0.0	3.2
25	220 KV	BUDHIPADAR-RAIGARH	S/C	0	97	0.0	0.5	-0.5
26		BUDHIPADAR-KORBA	D/C	0	0	2.2	0.0	2.2
<b>ER-WR</b>						<b>22.1</b>	<b>0.5</b>	<b>21.5</b>
<b>Import/Export of ER (With SR)</b>								
27	765 KV	ANGUL-SRIKAKULAM	D/C	0.0	0.0	0.0	18.6	-18.6
28	HVDC	JEYPORE-GAZUWAKA B/B	D/C	0.0	318.4	0.0	9.4	-9.4
29	LINK	TALCHER-KOLAR BIPOLE	D/C	0.0	2265.1	0.0	41.3	-41.3
30	400 KV	TALCHER-I/C	D/C	0.0	1118.2	0.0	16.7	-16.7
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>69.3</b>	<b>-69.3</b>
<b>Import/Export of ER (With NER)</b>								
32	400 KV	BINAGURI-BONGAIGAON	D/C	0	1422	0.0	8.0	-8
33		ALIPURDUAR-BONGAIGAON	D/C	0	1163	0.0	6.5	-6
34	220 KV	ALIPURDUAR-SALAKATI	D/C	0	0	0.0	1.9	-2
<b>ER-NER</b>						<b>0.0</b>	<b>16.3</b>	<b>-16.3</b>
<b>Import/Export of NER (With NR)</b>								
35	HVDC	BISWANATH CHARIALI-AGRA	-	0	703	0.0	14.3	-14.3
<b>NER-NR</b>						<b>0.0</b>	<b>14.3</b>	<b>-14.3</b>
<b>Import/Export of WR (With NR)</b>								
36	HVDC	CHAMPA-KURUKSHETRA	D/C	0	330	0.0	23.9	-23.9
37		V'CHAL B/B	D/C	100	150	2.0	0.6	1.5
38		APL -MHG	D/C	0	1010	0.0	27.5	-27.5
39	765 KV	GWALIOR-AGRA	D/C	0	2626	0.0	43.4	-43.4
40		PHAGI-GWALIOR	D/C	484	0	0.0	28.6	-28.6
41	400 KV	ZERDA-KANKROLI	S/C	141	15	1.5	0.0	1.5
42		ZERDA -BHINMAL	S/C	78	202	0.0	0.8	-0.8
43		V'CHAL -RIHAND	S/C	487	0	22.2	0.0	22.2
44		RAPP-SHUJALPUR	D/C	0	1678	0	2	-2
45	220 KV	BADOD-KOTA	S/C	95	0	1.0	0.0	1.0
46		BADOD-MORAK	S/C	39	45	0.1	0.3	-0.1
47		MEHGAON-AURAIYA	S/C	84	0	1.5	0.0	1.5
48	132KV	MALANPUR-AURAIYA	S/C	42	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>28.9</b>	<b>127.0</b>	<b>-98.1</b>
<b>Import/Export of WR (With SR)</b>								
50	HVDC	BHADRAWATI B/B	-	0	1000	0.0	13.8	-13.8
51	LINK	BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0
52	765 KV	SOLAPUR-RAICHUR	D/C	0	1671	0.0	29.1	-29.1
53		WARDHA-NIZAMABAD	D/C	0	1618	0.0	41.5	-41.5
54	400 KV	KOLHAPUR-KUDGI	D/C	393	327	1.4	2.3	-0.9
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>3.0</b>	<b>86.7</b>	<b>-83.8</b>
<b>TRANSNATIONAL EXCHANGE</b>								
58		BHUTAN						<b>4.2</b>
59		NEPAL						<b>-8.3</b>
60		BANGLADESH						<b>-11.6</b>