



**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: 5<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 04.12.2017.**

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 04-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 4<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

5-Dec-17

A. Maximum Demand

	NR	WR	SR	ER	NER	Total
Demand Met during Evening Peak hrs(MW) (at 1900 hrs; from RLDCs)	41439	45159	36322	16997	2350	142267
Peak Shortage (MW)	522	0	0	0	49	571
Energy Met (MU)	840	1058	792	316	40	3046
Hydro Gen(MU)	107	21	60	31	13	233
Wind Gen(MU)	7	27	42	-----	-----	76
Solar Gen (MU)*	0.47	9.33	33.90	0.63	0.03	44
Energy Shortage (MU)	16.3	0.0	0.0	0.0	0.5	16.7
Maximum Demand Met during the day (MW) (from NLDC SCADA)	43637	50188	37584	17030	2358	146857

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	0.053	0.00	0.86	13.08	13.94	71.75	14.32

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	5157	0	100.2	35.6	0.3	214	0.0
	Haryana	6405	0	112.5	54.7	1.0	392	2.8
	Rajasthan	10509	0	197.2	72.5	3.5	354	1.0
	Delhi	3353	0	60.3	47.2	-0.4	129	0.0
	UP	12775	0	263.8	95.9	1.5	181	2.2
	Uttarakhand	1843	0	33.9	17.7	0.3	106	0.2
	HP	1354	0	26.0	20.1	0.4	136	0.0
	J&K	2248	562	42.6	38.7	-0.8	170	10.0
WR	Chhattisgarh	187	0	3.2	3.4	-0.2	26	0.0
	Gujarat	3299	0	69.2	11.4	-2.1	78	0.0
	MP	14259	0	300.8	90.0	-0.9	486	0.0
	Maharashtra	11913	0	231.6	155.4	0.3	449	0.0
	Goa	20353	0	414.8	144.7	-0.5	370	0.0
	DD	484	0	8.8	8.7	-0.4	40	0.0
	DNH	320	0	7.0	6.5	0.4	53	0.0
	Essar steel	724	0	16.7	16.3	0.4	54	0.0
SR	Andhra Pradesh	467	0	9.2	9.5	-0.3	216	0.0
	Telangana	7534	0	152.9	46.2	-5.9	448	0.0
	Karnataka	7108	0	144.0	50.1	-1.8	333	0.0
	Kerala	8944	0	186.3	79.4	1.9	396	0.0
	Tamil Nadu	3464	0	64.2	50.3	0.6	374	0.0
	Pondy	12138	0	238.4	142.9	-0.7	412	0.0
ER	Bihar	321	0	6.0	6.6	-0.6	51	0.0
	DVC	3714	0	61.3	55.9	-0.7	61	0.0
	Jharkhand	2877	0	67.5	-36.6	-1.0	320	0.0
	Odisha	1043	0	23.3	13.6	-0.5	65	0.0
	West Bengal	3723	0	65.9	26.4	2.1	425	0.0
	Sikkim	5987	0	96.8	20.5	1.7	350	0.0
NER	Arunachal Pradesh	101	0	1.5	1.6	-0.1	13	0.0
	Assam	117	2	2.2	2.0	0.2	3	0.0
	Manipur	1389	18	22.2	18.1	0.3	68	0.3
	Meghalaya	150	11	2.6	2.8	-0.2	20	0.0
	Mizoram	312	1	5.6	3.3	0.0	74	0.0
	Nagaland	86	3	1.5	1.6	-0.1	21	0.0
	Tripura	114	1	2.2	1.7	0.1	18	0.0

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	5.7	-6.2	-11.7
Day peak (MW)	284.1	-372.3	-606.5

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	146.5	-133.7	67.0	-77.3	-0.5	2.0
Actual(MU)	145.1	-140.7	68.7	-70.9	-2.3	-0.1
O/D/U/D(MU)	-1.4	-6.9	1.7	6.3	-1.8	-2.1

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	4335	14761	3690	2605	275	25665
State Sector	12935	19289	12382	6080	50	50736
Total	17270	34050	16072	8685	324	76401

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	Total
Thermal (Coal & Lignite)	512	1093	479	375	0	2459
Hydro	107	20	60	31	13	232
Nuclear	34	27	65	0	0	126
Gas, Naptha & Diesel	54	50	16	0	24	143
RES (Wind, Solar, Biomass & Others)	9	37	119	1	0	167
Total	717	1227	739	407	37	3127

\*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 :	5-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	283	0.0	6.7	-6.7	
2		SASARAM-FATEHPUR	S/C	0	184	0.6	0.0	0.6	
3		GAYA-BALIA	S/C	0	277	0.0	4.1	-4.1	
4	HVDC	ALIPURDUAR-AGRA	-	0	86	0.0	2.4	-2.4	
5		PUSAULI B/B	S/C	0	247	0.0	5.6	-5.6	
6	400 KV	PUSAULI-VARANASI	S/C	0	191	0.0	0.0	0.0	
7		PUSAULI -ALLAHABAD	S/C	0	116	0.0	0.0	0.0	
8		MUZAFFARPUR-GORAKHPUR	D/C	0	629	0.0	7.5	-7.5	
9		PATNA-BALIA	Q/C	0	1011	0.0	17.9	-17.9	
10		BIHARSHARIFF-BALIA	D/C	0	198	0.0	2.7	-2.7	
11		MOTHARI-GORAKHPUR	D/C	0	0	4.0	0.0	4.0	
12		BIHARSHARIFF-VARANASI	D/C	0	265	0.0	0.2	-0.2	
13	220 KV	PUSAULI-SAHUPURI	S/C	0	108	0.0	1.9	-1.9	
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>5.0</b>	<b>49.0</b>	<b>-44.0</b>	
<b>Import/Export of ER (With WR)</b>									
18	765 KV	JHARSUGUDA-DHARAMJAIGARH S/C	D/C	0	167	3.6	0.0	3.6	
19		NEW RANCHI-DHARAMJAIGARH	D/C	0	507	1.4	0.0	1.4	
20	400 KV	ROURKELA - RAIGARH ( SEL LILO BYPASS)	S/C	0	87	1.5	0.0	1.5	
21		JHARSUGUDA-RAIGARH	S/C	0	47	1.2	0.0	1.2	
22		IBEUL-RAIGARH	S/C	0	0	1.2	0.0	1.2	
23		STERLITE-RAIGARH	D/C	0	0	0.0	0.0	0.0	
24		RANCHI-SIPAT	D/C	0	102	2.0	0.0	2.0	
25	220 KV	BUDHIPADAR-RAIGARH	S/C	0	95	0.0	0.4	-0.4	
26		BUDHIPADAR-KORBA	D/C	0	0	1.9	0.0	1.9	
<b>ER-WR</b>						<b>12.8</b>	<b>0.4</b>	<b>12.4</b>	
<b>Import/Export of ER (With SR)</b>									
27	765 KV	ANGUL-SRIKAKULAM	D/C	0.0	0.0	0.0	13.5	-13.5	
28	HVDC LINK	JEYPORE-GAZUWAKA B/B	D/C	0.0	292.5	0.0	13.4	-13.4	
29		TALCHER-KOLAR BIPOLE	D/C	0.0	2127.9	0.0	40.0	-40.0	
30	400 KV	TALCHER-I/C	D/C	0.0	1061.3	0.0	14.3	-14.3	
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>66.9</b>	<b>-66.9</b>	
<b>Import/Export of ER (With NER)</b>									
32	400 KV	BINAGURI-BONGAIGAON	D/C	0	1201	0.0	6.7	-7	
33		ALIPURDUAR-BONGAIGAON	D/C	0	979	0.0	5.6	-6	
34	220 KV	ALIPURDUAR-SALAKATI	D/C	0	0	0.0	1.7	-2	
<b>ER-NER</b>						<b>0.0</b>	<b>13.9</b>	<b>-13.9</b>	
<b>Import/Export of NER (With NR)</b>									
35	HVDC	BISWANATH CHARIALI-AGRA	-	0	701	0.0	16.4	-16.4	
<b>NER-NR</b>						<b>0.0</b>	<b>16.4</b>	<b>-16.4</b>	
<b>Import/Export of WR (With NR)</b>									
36	HVDC	CHAMPA-KURUKSHETRA	D/C	0	1000	0.0	21.8	-21.8	
37		V'CHAL B/B	D/C	250	0	6.0	0.0	6.0	
38		APL -MHG	D/C	0	1009	0.0	24.2	-24.2	
39	765 KV	GWALIOR-AGRA	D/C	0	2478	0.0	40.2	-40.2	
40		PHAGI-GWALIOR	D/C	0	1458	0.0	30.0	-30.0	
41	400 KV	ZERDA-KANKROLI	S/C	237	0	3.6	0.0	3.6	
42		ZERDA -BHINMAL	S/C	157	149	0.9	0.0	0.9	
43		V'CHAL -RIHAND	S/C	958	0	21.0	0.0	21.0	
44		RAPP-SHUJALPUR	D/C	0	313	0	2	-2	
45		BADOD-KOTA	S/C	139	0	2.0	0.0	2.0	
46	220 KV	BADOD-MORAK	S/C	74	0	0.6	0.0	0.6	
47		MEHGAON-AURAIYA	S/C	71	0	1.3	0.0	1.3	
48		MALANPUR-AURAIYA	S/C	35	2	0.4	0.0	0.4	
49	132KV	GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0	
<b>WR-NR</b>						<b>35.9</b>	<b>117.8</b>	<b>-81.9</b>	
<b>Import/Export of WR (With SR)</b>									
50	HVDC	BHADRAWATI B/B	-	0	500	0.0	12.1	-12.1	
51	LINK	BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0	
52		SOLAPUR-RAICHUR	D/C	33	1333	0.0	16.1	-16.1	
53	765 KV	WARDHA-NIZAMABAD	D/C	0	1480	0.0	23.2	-23.2	
54	400 KV	KOLHAPUR-KUDGI	D/C	430	103	4.1	0.0	4.1	
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>5.6</b>	<b>51.4</b>	<b>-45.7</b>	
<b>TRANSNATIONAL EXCHANGE</b>									
58		BHUTAN						5.7	
59		NEPAL						-6.2	
60		BANGLADESH						-11.7	