



**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: 17<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 16.12.2017.**

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 16-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 16<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

17-Dec-17

A. Maximum Demand

	NR	WR	SR	ER	NER	Total
Demand Met during Evening Peak hrs(MW) (at 1900 hrs; from RLDCs)	43657	45732	38637	17629	2399	148055
Peak Shortage (MW)	505	11	0	0	62	578
Energy Met (MU)	866	1056	874	331	42	3169
Hydro Gen(MU)	112	20	51	25	13	221
Wind Gen(MU)	25	90	72	-----	-----	187
Solar Gen (MU)*	0.72	13.49	34.87	0.72	0.02	50
Energy Shortage (MU)	9.5	0.0	0.0	0.0	0.5	10.0
Maximum Demand Met during the day (MW) (from NLDC SCADA)	44264	50288	40773	17681	2363	149681

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	0.037	0.00	0.02	5.93	5.95	74.86	19.19

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	5104	0	95.9	30.6	-0.7	151	0.0
	Haryana	6456	0	116.7	56.2	0.7	223	0.0
	Rajasthan	10352	0	193.8	49.7	1.7	321	0.0
	Delhi	3706	0	63.6	46.9	-0.8	180	0.0
	UP	14281	0	288.0	99.0	1.6	515	0.0
	Uttarakhand	1981	0	36.5	19.6	2.1	276	0.0
	HP	1540	9	28.0	22.1	0.2	153	0.0
	J&K	2022	505	40.3	40.2	-5.0	0	9.5
WR	Chhattisgarh	3321	0	70.8	5.1	-1.3	76	0.0
	Gujarat	14377	0	299.8	64.9	-0.5	359	0.0
	MP	9281	0	231.8	134.0	-4.1	310	0.0
	Maharashtra	19896	0	413.7	128.5	-0.1	359	0.0
	Goa	399	0	9.2	9.1	-0.5	15	0.0
	DD	323	0	7.2	6.7	0.5	55	0.0
	DNH	539	0	11.6	16.9	-5.3	58	0.0
	Essar steel	539	0	11.6	11.4	0.2	172	0.0
SR	Andhra Pradesh	7769	0	163.1	61.2	0.7	465	0.0
	Telangana	8107	0	160.4	73.3	-0.8	333	0.0
	Karnataka	9372	0	197.2	78.7	0.2	544	0.0
	Kerala	3419	0	67.0	50.5	1.4	531	0.0
	Tamil Nadu	13498	0	279.4	144.2	4.3	394	0.0
	Pondy	332	0	6.7	7.3	-0.6	51	0.0
ER	Bihar	3925	0	61.9	56.3	-1.2	200	0.0
	DVC	3022	0	66.9	-35.2	-1.8	180	0.0
	Jharkhand	1010	0	24.3	13.3	1.0	40	0.0
	Odisha	3768	0	68.2	26.7	4.2	225	0.0
	West Bengal	6301	0	108.0	22.6	1.1	220	0.0
NER	Sikkim	105	0	1.6	1.5	0.1	5	0.0
	Arunachal Pradesh	131	2	2.0	1.9	0.2	21	0.0
	Assam	1402	41	23.5	17.7	1.8	84	0.3
	Manipur	178	0	2.5	2.7	-0.2	3	0.0
	Meghalaya	318	0	6.3	3.3	0.0	27	0.0
	Mizoram	90	2	1.7	1.4	0.1	10	0.1
NER	Nagaland	135	0	2.4	1.8	0.2	33	0.0
	Tripura	211	0	3.4	1.9	-0.2	55	0.0

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	4.6	-7.0	-9.1
Day peak (MW)	260.2	-289.1	-599.8

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	116.0	-150.5	108.2	-73.2	-1.9	-1.5
Actual(MU)	116.1	-162.4	110.8	-64.7	-1.6	-1.7
O/D/U/D(MU)	0.1	-11.9	2.6	8.6	0.3	-0.3

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	3808	16307	7272	2455	177	30019
State Sector	9840	17067	8820	5450	50	41227
Total	13648	33374	16092	7905	226	71246

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	Total
Thermal (Coal & Lignite)	557	1060	506	385	1	2510
Hydro	112	19	51	25	13	220
Nuclear	34	27	46	0	0	108
Gas, Naptha & Diesel	48	49	17	0	22	136
RES (Wind, Solar, Biomass & Others)	29	103	205	2	0	339
Total	780	1259	826	413	36	3314

\*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 :	17-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	200	0.0	3.1	-3.1	
2		SASARAM-FATEHPUR	S/C	0	146	1.3	0.0	1.3	
3		GAYA-BALIA	S/C	0	206	0.0	3.1	-3.1	
4	HVDC	ALIPURDUAR-AGRA	-	0	0	0.0	0.0	0.0	
5		PUSAULI B/B	S/C	0	245	0.0	6.0	-6.0	
6	400 KV	PUSAULI-VARANASI	S/C	0	206	0.0	0.0	0.0	
7		PUSAULI -ALLAHABAD	S/C	0	97	0.0	0.0	0.0	
8		MUZAFFARPUR-GORAKHPUR	D/C	0	543	0.0	5.9	-5.9	
9		PATNA-BALIA	Q/C	0	1089	0.0	15.7	-15.7	
10		BIHARSHARIFF-BALIA	D/C	0	181	0.0	2.2	-2.2	
11		MOTHARI-GORAKHPUR	D/C	0	0	4.0	0.0	4.0	
12		BIHARSHARIFF-VARANASI	D/C	0	226	0.5	0.0	0.5	
13	220 KV	PUSAULI-SAHUPURI	S/C	0	112	0.0	2.2	-2.2	
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>6.3</b>	<b>38.3</b>	<b>-32.0</b>	
<b>Import/Export of ER (With WR)</b>									
18	765 KV	JHARSUGUDA-DHARAMJAIGARH S/C	D/C	0	0	14.1	0.0	14.1	
19		NEW RANCHI-DHARAMJAIGARH	D/C	0	476	0.0	3.2	-3.2	
20	400 KV	ROURKELA - RAIGARH ( SEL LILO BYPASS)	S/C	0	32	1.8	0.0	1.8	
21		JHARSUGUDA-RAIGARH	S/C	0	0	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	22	2.7	0.0	2.7	
25	220 KV	BUDHIPADAR-RAIGARH	S/C	0	53	0.2	0.0	0.2	
26		BUDHIPADAR-KORBA	D/C	0	0	2.8	0.0	2.8	
<b>ER-WR</b>						<b>24.7</b>	<b>3.2</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	19.9	-19.9	
28	HVDC	JEYPORE-GAZUWAKA B/B	D/C	0.0	458.9	0.0	15.2	-15.2	
29	LINK	TALCHER-KOLAR BIPOLE	D/C	0.0	2260.5	0.0	49.5	-49.5	
30	400 KV	TALCHER-I/C	D/C	0.0	898.9	0.0	14.6	-14.6	
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>84.5</b>	<b>-84.5</b>	
<b>Import/Export of ER (With NER)</b>									
32	400 KV	BINAGURI-BONGAIGAON	D/C	0	942	0.0	6.4	-6	
33		ALIPURDUAR-BONGAIGAON	D/C	0	764	0.0	6.2	-6	
34	220 KV	ALIPURDUAR-SALAKATI	D/C	0	0	0.0	1.7	-2	
<b>ER-NER</b>						<b>0.0</b>	<b>14.3</b>	<b>-14.3</b>	
<b>Import/Export of NER (With NR)</b>									
35	HVDC	BISWANATH CHARIALI-AGRA	-	0	701	0.0	16.0	-16.0	
<b>NER-NR</b>						<b>0.0</b>	<b>16.0</b>	<b>-16.0</b>	
<b>Import/Export of WR (With NR)</b>									
36	HVDC	CHAMPA-KURUKSHETRA	D/C	44	597	0.0	21.7	-21.7	
37		V'CHAL B/B	D/C	0	250	0.0	6.0	-6.0	
38		APL -MHG	D/C	0	2016	0.0	37.2	-37.2	
39	765 KV	GWALIOR-AGRA	D/C	0	2080	0.0	24.2	-24.2	
40		PHAGI-GWALIOR	D/C	0	493	0.0	17.1	-17.1	
41	400 KV	ZERDA-KANKROLI	S/C	348	0	5.5	0.0	5.5	
42		ZERDA -BHINMAL	S/C	386	42	4.6	0.0	4.6	
43		V'CHAL -RIHAND	S/C	0	496	21.9	0.0	21.9	
44		RAPP-SHUJALPUR	D/C	44	1226	1	0	1	
45	220 KV	BADOD-KOTA	S/C	139	0	1.8	0.0	1.8	
46		BADOD-MORAK	S/C	69	32	0.2	0.3	-0.1	
47		MEHGAON-AURAIYA	S/C	98	0	1.7	0.0	1.7	
48		MALANPUR-AURAIYA	S/C	56	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>37.1</b>	<b>106.4</b>	<b>-69.3</b>	
<b>Import/Export of WR (With SR)</b>									
50	HVDC	BHADRAWATI B/B	-	0	500	0.0	4.1	-4.1	
51	LINK	BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0	
52	765 KV	SOLAPUR-RAICHUR	D/C	0	1730	0.0	27.9	-27.9	
53		WARDHA-NIZAMABAD	D/C	0	1584	0.0	39.4	-39.4	
54	400 KV	KOLHAPUR-KUDGI	D/C	314	314	1.6	1.8	-0.2	
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>3.1</b>	<b>73.2</b>	<b>-70.1</b>	
<b>TRANSNATIONAL EXCHANGE</b>									
58		BHUTAN						4.6	
59		NEPAL						-7.0	
60		BANGLADESH						-9.1	