



**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: 25<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 24.12.2017.**

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 24-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 24<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

25-Dec-17

A. Maximum Demand

	NR	WR	SR	ER	NER	Total
Demand Met during Evening Peak hrs(MW) (at 1900 hrs; from RLDCs)	42406	44182	34818	16633	2263	140302
Peak Shortage (MW)	616	11	0	0	69	696
Energy Met (MU)	879	1039	835	320	42	3116
Hydro Gen(MU)	117	20	44	29	12	222
Wind Gen(MU)	3	17	44	-----	-----	64
Solar Gen (MU)*	3.48	16.30	40.36	0.87	0.02	61
Energy Shortage (MU)	11.5	0.0	1.3	0.0	0.5	13.3
Maximum Demand Met during the day (MW) (from NLDC SCADA)	42455	50144	39682	16755	2251	143571

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	0.052	0.00	0.32	14.10	14.42	77.64	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	5061	0	101.6	44.5	-0.2	114	0.0
	Haryana	6572	0	117.7	59.0	1.3	226	0.0
	Rajasthan	10771	0	206.7	72.5	1.7	341	0.6
	Delhi	3651	0	59.8	46.8	-0.5	149	0.0
	UP	14422	110	285.6	90.8	1.2	357	0.7
	Uttarakhand	2021	0	36.2	21.7	2.5	211	0.0
	HP	1280	20	26.4	21.5	-0.4	133	0.2
	J&K	2054	514	42.4	39.3	-1.9	73	10.0
WR	Chhattisgarh	183	0	3.0	3.5	-0.5	3	0.0
	Gujarat	3265	0	71.4	2.5	-0.8	250	0.0
	MP	14221	0	298.5	78.9	2.3	391	0.0
	Maharashtra	9889	0	229.0	146.9	-0.6	475	0.0
	Goa	19636	0	397.0	126.6	-1.2	547	0.0
	DD	429	0	9.4	7.7	1.1	24	0.0
	DNH	291	0	6.7	6.4	0.4	42	0.0
	Essar steel	736	0	17.2	16.4	0.8	75	0.0
SR	Andhra Pradesh	502	0	10.3	9.3	1.0	206	0.0
	Telangana	8042	0	156.0	57.9	-5.3	462	0.2
	Karnataka	8165	0	157.4	77.4	-2.0	446	0.2
	Kerala	9233	0	190.1	80.1	1.3	424	0.3
	Tamil Nadu	3131	0	60.4	50.4	0.8	207	0.1
	Pondy	12539	0	265.1	135.2	6.5	517	0.4
ER	Bihar	321	0	5.9	6.6	-0.7	19	0.0
	DVC	3779	0	63.9	58.4	1.9	200	0.0
	Jharkhand	2837	0	67.3	-39.1	-2.6	220	0.0
	Odisha	992	0	22.7	12.9	-0.5	45	0.0
	West Bengal	4042	0	74.1	34.0	3.1	220	0.0
	Sikkim	5320	0	90.8	12.8	1.9	200	0.0
NER	Arunachal Pradesh	92	0	1.4	1.4	-0.1	15	0.0
	Assam	122	2	2.3	2.0	0.3	51	0.0
	Manipur	1351	43	22.8	18.3	1.3	104	0.3
	Meghalaya	179	0	2.6	2.9	-0.4	4	0.0
	Mizoram	303	0	6.7	4.5	-0.2	30	0.0
	Nagaland	85	1	1.7	1.1	-0.1	4	0.0
Tripura	117	0	2.2	1.9	0.0	37	0.0	
		212	0	3.5	1.9	0.0	61	0.0

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	3.8	-8.6	-11.6
Day peak (MW)	188.2	-275.9	-610.4

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	164.9	-193.9	102.2	-67.5	0.3	5.9
Actual(MU)	162.9	-200.3	100.8	-63.1	-0.4	0.0
O/D/U/D(MU)	-1.9	-6.3	-1.4	4.5	-0.7	-5.9

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	4571	14001	7832	2745	80	29229
State Sector	9330	17340	8282	5160	50	40162
Total	13901	31341	16114	7905	129	69391

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	Total
Thermal (Coal & Lignite)	552	1137	484	372	1	2546
Hydro	117	19	44	29	12	221
Nuclear	29	27	68	0	0	125
Gas, Naptha & Diesel	41	48	18	0	24	131
RES (Wind, Solar, Biomass & Others)	8	34	205	2	0	249
Total	746	1265	819	403	37	3270

\*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 :	25-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	258	0.0	5.6	-5.6	
2		SASARAM-FATEHPUR	S/C	0	171	0.7	0.0	0.7	
3		GAYA-BALIA	S/C	0	286	0.0	2.8	-2.8	
4	HVDC	ALIPURDUAR-AGRA	-	0	0	0.0	0.0	0.0	
5		PUSAULI B/B	S/C	0	245	0.0	5.0	-5.0	
6	400 KV	PUSAULI-VARANASI	S/C	0	199	0.0	0.0	0.0	
7		PUSAULI -ALLAHABAD	S/C	0	101	0.0	0.0	0.0	
8		MUZAFFARPUR-GORAKHPUR	D/C	0	619	0.0	6.7	-6.7	
9		PATNA-BALIA	Q/C	0	960	0.0	20.3	-20.3	
10		BIHARSHARIFF-BALIA	D/C	0	163	0.0	1.9	-1.9	
11		MOTHARI-GORAKHPUR	D/C	0	0	4.2	0.0	4.2	
12		BIHARSHARIFF-VARANASI	D/C	0	266	0.7	0.0	0.7	
13	220 KV	PUSAULI-SAHUPURI	S/C	0	154	0.0	2.8	-2.8	
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>6.1</b>	<b>45.1</b>	<b>-39.0</b>	
<b>Import/Export of ER (With WR)</b>									
18	765 KV	JHARSUGUDA-DHARAMJAIGARH S/C	D/C	0	0	13.2	0.0	13.2	
19		NEW RANCHI-DHARAMJAIGARH	D/C	0	536	0.0	3.1	-3.1	
20	400 KV	ROURKELA - RAIGARH ( SEL LILO BYPASS)	S/C	0	90	0.5	0.0	0.5	
21		JHARSUGUDA-RAIGARH	S/C	0	2	1.8	0.0	1.8	
22		IBEUL-RAIGARH	S/C	0	0	1.8	0.0	1.8	
23		STERLITE-RAIGARH	D/C	0	0	0.0	0.0	0.0	
24		RANCHI-SIPAT	D/C	0	52	3.0	0.0	3.0	
25	220 KV	BUDHIPADAR-RAIGARH	S/C	0	88	0.0	0.6	-0.6	
26		BUDHIPADAR-KORBA	D/C	0	0	2.6	0.0	2.6	
<b>ER-WR</b>						<b>22.9</b>	<b>3.7</b>	<b>19.2</b>	
<b>Import/Export of ER (With SR)</b>									
27	765 KV	ANGUL-SRIKAKULAM	D/C	0.0	0.0	0.0	15.4	-15.4	
28	HVDC	JEYPORE-GAZUWAKA B/B	D/C	0.0	344.3	0.0	15.4	-15.4	
29	LINK	TALCHER-KOLAR BIPOLE	D/C	0.0	2106.0	0.0	40.9	-40.9	
30	400 KV	TALCHER-I/C	D/C	0.0	1060.7	0.0	17.3	-17.3	
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>71.7</b>	<b>-71.7</b>	
<b>Import/Export of ER (With NER)</b>									
32	400 KV	BINAGURI-BONGAIGAON	D/C	0	1063	0.0	7.1	-7	
33		ALIPURDUAR-BONGAIGAON	D/C	0	854	0.0	7.3	-7	
34	220 KV	ALIPURDUAR-SALAKATI	D/C	0	0	0.0	2.1	-2	
<b>ER-NER</b>						<b>0.0</b>	<b>16.5</b>	<b>-16.5</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	1260	0.0	46.8	-46.8	
37		V'CHAL B/B	D/C	0	250	0.0	5.9	-5.9	
38		APL -MHG	D/C	0	2015	0.0	28.6	-28.6	
39	765 KV	GWALIOR-AGRA	D/C	0	2238	0.0	35.4	-35.4	
40		PHAGI-GWALIOR	D/C	0	489	0.0	17.3	-17.3	
41	400 KV	ZERDA-KANKROLI	S/C	237	2	2.9	0.0	2.9	
42		ZERDA -BHINMAL	S/C	193	168	0.3	0.0	0.3	
43		V'CHAL -RIHAND	S/C	0	489	21.6	0.0	21.6	
44		RAPP-SHUJALPUR	D/C	0	1634	0	2	-2	
45	220 KV	BADOD-KOTA	S/C	82	0	1.3	0.0	1.3	
46		BADOD-MORAK	S/C	35	34	0.3	0.1	0.2	
47		MEHGAON-AURAIYA	S/C	113	0	2.0	0.0	2.0	
48		MALANPUR-AURAIYA	S/C	74	0	1.0	0.0	1.0	
49	132KV	GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0	
<b>WR-NR</b>						<b>29.4</b>	<b>136.5</b>	<b>-107.1</b>	
<b>Import/Export of WR (With SR)</b>									
50	HVDC	BHADRAWATI B/B	-	0	1000	0.0	22.0	-22.0	
51	LINK	BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0	
52	765 KV	SOLAPUR-RAICHUR	D/C	0	1369	0.0	21.1	-21.1	
53		WARDHA-NIZAMABAD	D/C	0	2119	0.0	34.2	-34.2	
54	400 KV	KOLHAPUR-KUDGI	D/C	278	409	1.8	0.3	1.5	
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>3.4</b>	<b>77.6</b>	<b>-74.2</b>	
<b>TRANSNATIONAL EXCHANGE</b>									
58		BHUTAN						3.8	
59		NEPAL						-8.6	
60		BANGLADESH						-11.6	