



**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: 6<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 05.12.2017.**

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 05-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

6-Dec-17

A. Maximum Demand

	NR	WR	SR	ER	NER	Total
Demand Met during Evening Peak hrs(MW) (at 1900 hrs; from RLDCs)	41152	42159	36756	17318	2330	139716
Peak Shortage (MW)	543	0	0	100	62	705
Energy Met (MU)	840	981	824	320	41	3006
Hydro Gen(MU)	107	22	59	32	14	233
Wind Gen(MU)	24	84	38	-----	-----	147
Solar Gen (MU)*	1.70	4.01	28.90	0.70	0.03	35
Energy Shortage (MU)	12.9	0.0	0.0	0.3	0.4	13.7
Maximum Demand Met during the day (MW) (from NLDC SCADA)	42544	46412	37915	17328	2370	141994

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	0.042	0.00	0.19	8.26	8.45	75.93	15.63

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	5355	0	102.1	36.2	-0.2	131	0.0
	Haryana	6381	0	114.1	61.0	1.1	219	0.0
	Rajasthan	10300	0	191.2	67.3	0.6	297	0.0
	Delhi	3457	0	62.2	48.5	0.2	250	0.0
	UP	12655	20	262.8	93.5	0.1	406	3.0
	Uttarakhand	1827	0	35.3	18.6	1.3	179	0.0
	HP	1482	0	26.7	20.5	0.6	213	0.0
	J&K	2272	568	42.3	38.6	-1.0	391	10.0
WR	Chhattisgarh	190	0	3.3	3.6	-0.2	39	0.0
	Chhattisgarh	3319	0	70.4	16.9	-1.0	79	0.0
	Gujarat	12597	0	258.3	61.6	-2.5	390	0.0
	MP	11433	0	214.9	145.7	-4.2	301	0.0
	Maharashtra	18823	0	394.8	138.2	-1.9	552	0.0
	Goa	479	0	8.5	9.2	-1.3	15	0.0
	DD	313	0	7.0	6.9	0.1	39	0.0
	DNH	716	0	16.4	16.1	0.3	67	0.0
SR	Essar steel	517	0	10.3	9.7	0.6	203	0.0
	Andhra Pradesh	7435	0	156.7	43.8	0.3	423	0.0
	Telangana	7294	0	147.6	56.3	-0.6	526	0.0
	Karnataka	9116	0	189.7	82.2	2.7	607	0.0
	Kerala	3460	0	65.8	52.4	1.0	198	0.0
	Tamil Nadu	12767	0	258.3	141.9	2.6	460	0.0
ER	Pondy	323	0	6.3	6.9	-0.6	16	0.0
	Bihar	3749	0	63.0	55.9	0.7	80	0.0
	DVC	3011	0	67.8	-35.0	-1.0	200	0.0
	Jharkhand	1032	90	22.3	14.1	0.8	200	0.3
	Odisha	3884	0	64.7	26.7	3.3	400	0.0
	West Bengal	6055	0	101.2	23.6	3.4	530	0.0
NER	Sikkim	102	0	1.4	1.6	-0.2	10	0.0
	Arunachal Pradesh	116	2	2.2	2.0	0.2	3	0.0
	Assam	1424	15	22.5	17.9	1.1	68	0.4
	Manipur	176	2	2.6	2.5	0.0	20	0.0
	Meghalaya	292	0	5.7	3.3	0.1	74	0.0
	Mizoram	93	1	1.5	1.4	0.1	21	0.0
NER	Nagaland	113	1	2.3	1.5	0.3	18	0.0
	Tripura	218	1	4.2	1.8	0.8	7	0.0

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	5.4	-7.0	-12.4
Day peak (MW)	275.9	-407.8	-612.6

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	147.7	-149.9	75.3	-69.6	-3.2	0.3
Actual(MU)	143.0	-173.2	82.2	-60.0	-1.8	-9.7
O/D/U/D(MU)	-4.6	-23.3	6.9	9.6	1.4	-10.0

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	4345	14161	3280	2105	525	24415
State Sector	12050	21360	11752	5410	50	50622
Total	16395	35521	15032	7515	574	75037

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	Total
Thermal (Coal & Lignite)	496	994	497	368	0	2356
Hydro	107	21	59	32	14	232
Nuclear	34	27	68	0	0	129
Gas, Naptha & Diesel	53	48	17	0	23	141
RES (Wind, Solar, Biomass & Others)	28	88	109	1	0	227
Total	718	1179	750	402	37	3086

\*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(ग्रि०प्र०)/  
मुख्य कार्यपालक अधिकारी(पोसोको)/सभी राज्यों के मुख्य सचिव/ऊर्जा सचिव

महाप्रबंधक (रा० भा० प्रे० के०)

INTER-REGIONAL EXCHANGES								Date of Reporting :	6-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	279	0.0	6.6	-6.6	
2		SASARAM-FATEHPUR	S/C	0	87	1.0	0.0	1.0	
3		GAYA-BALIA	S/C	0	262	0.0	4.0	-4.0	
4	HVDC	ALIPURDUAR-AGRA	-	0	91	0.0	2.2	-2.2	
5		PUSAULI B/B	S/C	0	245	0.0	4.4	-4.4	
6	400 KV	PUSAULI-VARANASI	S/C	0	194	0.0	0.0	0.0	
7		PUSAULI -ALLAHABAD	S/C	0	109	0.0	0.0	0.0	
8		MUZAFFARPUR-GORAKHPUR	D/C	0	569	0.0	7.4	-7.4	
9		PATNA-BALIA	Q/C	0	1129	0.0	19.2	-19.2	
10		BIHARSHARIFF-BALIA	D/C	0	155	0.0	2.2	-2.2	
11		MOTHARI-GORAKHPUR	D/C	0	0	4.8	0.0	4.8	
12		BIHARSHARIFF-VARANASI	D/C	0	199	0.1	0.0	0.1	
13	220 KV	PUSAULI-SAHUPURI	S/C	0	109	0.0	1.7	-1.7	
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>47.5</b>	<b>-41.2</b>	
<b>Import/Export of ER (With WR)</b>									
18	765 KV	JHARSUGUDA-DHARAMJAIGARH S/C	D/C	0	44	7.3	0.0	7.3	
19		NEW RANCHI-DHARAMJAIGARH	D/C	0	361	1.4	0.0	1.4	
20	400 KV	ROURKELA - RAIGARH ( SEL LILO BYPASS)	S/C	0	34	1.3	0.0	1.3	
21		JHARSUGUDA-RAIGARH	S/C	0	2	1.8	0.0	1.8	
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	48	2.9	0.0	2.9	
25	220 KV	BUDHIPADAR-RAIGARH	S/C	0	102	0.0	0.5	-0.5	
26		BUDHIPADAR-KORBA	D/C	0	0	1.6	0.0	1.6	
<b>ER-WR</b>						<b>17.5</b>	<b>0.5</b>	<b>17.0</b>	
<b>Import/Export of ER (With SR)</b>									
27	765 KV	ANGUL-SRIKAKULAM	D/C	0.0	0.0	0.0	13.6	-13.6	
28	HVDC	JEYPORE-GAZUWAKA B/B	D/C	0.0	347.1	0.0	14.8	-14.8	
29	LINK	TALCHER-KOLAR BIPOLE	D/C	0.0	2100.2	0.0	36.8	-36.8	
30	400 KV	TALCHER-I/C	D/C	0.0	1081.1	0.0	13.8	-13.8	
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>65.2</b>	<b>-65.2</b>	
<b>Import/Export of ER (With NER)</b>									
32	400 KV	BINAGURI-BONGAIGAON	D/C	0	1236	0.0	6.4	-6	
33		ALIPURDUAR-BONGAIGAON	D/C	0	1004	0.0	5.3	-5	
34	220 KV	ALIPURDUAR-SALAKATI	D/C	0	0	0.0	1.6	-2	
<b>ER-NER</b>						<b>0.0</b>	<b>13.4</b>	<b>-13.4</b>	
<b>Import/Export of NER (With NR)</b>									
35	HVDC	BISWANATH CHARIALI-AGRA	-	0	701	0.0	15.2	-15.2	
<b>NER-NR</b>						<b>0.0</b>	<b>15.2</b>	<b>-15.2</b>	
<b>Import/Export of WR (With NR)</b>									
36	HVDC	CHAMPA-KURUKSHETRA	D/C	0	1500	0.0	22.1	-22.1	
37		V'CHAL B/B	D/C	250	0	5.8	0.0	5.8	
38		APL -MHG	D/C	0	1010	0.0	24.2	-24.2	
39	765 KV	GWALIOR-AGRA	D/C	0	2614	0.0	45.1	-45.1	
40		PHAGI-GWALIOR	D/C	0	1708	0.0	31.2	-31.2	
41	400 KV	ZERDA-KANKROLI	S/C	246	0	3.7	0.0	3.7	
42		ZERDA -BHINMAL	S/C	236	139	2.1	0.0	2.1	
43		V'CHAL -RIHAND	S/C	482	0	11.5	0.0	11.5	
44		RAPP-SHUJALPUR	D/C	0	313	0	0	0	
45	220 KV	BADOD-KOTA	S/C	114	0	1.6	0.0	1.6	
46		BADOD-MORAK	S/C	48	6	0.4	0.0	0.4	
47		MEHGAON-AURAIYA	S/C	65	0	1.1	0.0	1.1	
48		MALANPUR-AURAIYA	S/C	31	11	0.3	0.0	0.3	
49	132KV	GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0	
<b>WR-NR</b>						<b>26.4</b>	<b>123.2</b>	<b>-96.7</b>	
<b>Import/Export of WR (With SR)</b>									
50	HVDC	BHADRAWATI B/B	-	0	500	0.0	11.9	-11.9	
51	LINK	BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0	
52	765 KV	SOLAPUR-RAICHUR	D/C	0	1556	0.0	21.2	-21.2	
53		WARDHA-NIZAMABAD	D/C	0	1624	0.0	25.8	-25.8	
54	400 KV	KOLHAPUR-KUDGI	D/C	423	470	1.3	2.2	-0.9	
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>2.8</b>	<b>61.1</b>	<b>-58.2</b>	
<b>TRANSNATIONAL EXCHANGE</b>									
58		BHUTAN						5.4	
59		NEPAL						-7.0	
60		BANGLADESH						-12.4	