



**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: 16<sup>th</sup> Jan 2018

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. महाप्रबंधक, ऊ.क्षे.भा.प्रे.के., 18/ ए, शहीद जीत सिंह सनसनवाल मार्ग, नई दिल्ली - 110016  
General Manager, 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 15.01.2018.**

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 15-जनवरी - 2018 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 15<sup>th</sup> January 2018, is available at the NLDC website.

धन्यवाद,

पॉवर सिस्टम ऑपरेशन कारपोरेशन लिमिटेड  
राष्ट्रीय भार प्रेषण केंद्र, नई दिल्ली

Report for previous day

Date of Reporting

16-Jan-18

A. Maximum Demand

	NR	WR	SR	ER	NER	Total
Demand Met during Evening Peak hrs(MW) (at 1900 hrs; from RLDCs)	44074	44388	35133	17792	2294	143680
Peak Shortage (MW)	694	23	0	0	46	762
Energy Met (MU)	917	1036	825	347	42	3167
Hydro Gen(MU)	106	38	58	22	9	234
Wind Gen(MU)	9	32	32	-----	-----	73
Solar Gen (MU)*	0.62	16.46	41.03	0.68	0.01	59
Energy Shortage (MU)	14.0	0.0	0.0	0.0	0.3	14.3
Maximum Demand Met during the day (MW) (from NLDC SCADA)	46796	49886	39682	18150	2288	149803

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	0.033	0.00	0.00	4.98	4.98	78.18	16.84

C. Power Supply Position in States

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	5311	0	102.8	15.4	2.1	213	0.0	
	Haryana	6549	0	126.0	69.5	5.3	425	0.0	
	Rajasthan	11192	0	207.6	69.2	5.2	451	2.1	
	Delhi	3970	0	65.5	49.1	-1.7	226	0.0	
	UP	14215	0	300.8	101.7	0.4	720	0.9	
	Uttarakhand	2044	0	38.0	28.6	-0.5	129	0.0	
	HP	1473	2	26.6	22.1	0.1	177	0.0	
	J&K	2238	560	46.3	44.1	-1.8	29	10.9	
	Chandigarh	222	0	3.7	3.8	-0.1	15	0.0	
	WR	Chhattisgarh	3371	0	73.6	4.4	-1.2	67	0.0
Gujarat		12752	0	269.0	77.7	1.3	517	0.0	
MP		11756	0	218.6	126.5	-4.3	420	0.0	
Maharashtra		21480	0	432.0	142.8	2.3	416	0.0	
Goa		448	0	9.5	8.8	0.3	51	0.0	
DD		332	0	7.0	6.3	0.7	85	0.0	
DNH		761	0	17.1	16.1	1.0	134	0.0	
Essar steel		478	0	9.5	9.8	-0.3	190	0.0	
SR		Andhra Pradesh	8128	0	158.2	43.9	4.8	583	0.0
		Telangana	8458	0	165.1	64.8	-2.1	483	0.0
	Karnataka	9834	0	200.4	89.0	2.5	404	0.0	
	Kerala	3525	0	66.4	51.4	0.7	207	0.0	
	Tamil Nadu	11480	0	229.5	112.5	7.1	447	0.0	
	Pondy	255	0	5.2	5.9	-0.7	17	0.0	
ER	Bihar	4114	0	72.8	72.5	-2.8	220	0.0	
	DVC	2886	0	69.2	-43.2	-0.2	150	0.0	
	Jharkhand	1240	0	23.9	14.2	0.0	100	0.0	
	Odisha	3893	0	71.1	29.6	2.6	450	0.0	
	West Bengal	6375	0	107.8	21.6	-1.1	365	0.0	
	Sikkim	107	0	1.8	1.7	0.1	10	0.0	
NER	Arunachal Pradesh	109	2	2.3	1.9	0.3	39	0.0	
	Assam	1338	7	23.0	18.6	1.4	135	0.2	
	Manipur	171	11	3.0	3.0	-0.1	25	0.0	
	Meghalaya	298	0	6.3	4.2	-0.2	45	0.0	
	Mizoram	85	5	1.8	1.2	-0.1	22	0.0	
	Nagaland	111	11	2.0	2.0	-0.1	38	0.0	
	Tripura	217	8	3.5	3.7	0.3	55	0.0	

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	2.8	-9.7	-11.6
Day peak (MW)	166.7	-492.3	-625.2

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	174.2	-201.0	83.9	-62.7	3.8	-1.8
Actual(MU)	164.7	-206.9	82.4	-53.7	2.8	-10.7
O/D/U/D(MU)	-9.5	-5.9	-1.4	9.0	-1.0	-8.8

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	4221	12592	6152	1745	282	24992
State Sector	10570	16412	7230	4465	50	38727
Total	14791	29004	13382	6210	331	63719

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	Total
Thermal (Coal & Lignite)	573	1148	489	405	8	2624
Hydro	106	36	58	22	9	232
Nuclear	29	24	66	0	0	119
Gas, Naptha & Diesel	30	38	17	0	25	110
RES (Wind, Solar, Biomass & Others)	34	48	113	2	0	197
Total	772	1294	744	429	42	3281

\*Source: RLDCs for solar connected to ISTS; SLDCs for embedded solar. Limited visibility of embedded solar data.

सचिव(ऊर्जा)/संयुक्त सचिव(परिचालन)/(ओ एम)/निदेशक(ओ एम)/मुख्य अभियंता-के०वि०प्रा०(वि०प्र०)/  
मुख्य कार्यपालक अधिकारी(पोसांके)/सभी राज्य के मुख्य सचिव/ऊर्जा सचिव

महाप्रबंधक (रा० भा० प्रे० के०)

<b>INTER-REGIONAL EXCHANGES</b>								Date of Reporting : <b>16-Jan-18</b>
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	5.5	-5.5
2		SASARAM-FATEHPUR	S/C	0	75	2.0	0.0	2.0
3		GAYA-BALIA	S/C	0	380	0.0	6.7	-6.7
4	HVDC	ALIPURDUAR-AGRA	-	0	0	0.0	0.0	0.0
5		PUSAULI B/B	S/C	0	247	0.0	5.9	-5.9
6	400 kV	PUSAULI-VARANASI	S/C	0	219	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	390	0.0	1.7	-1.7
9		PATNA-BALIA	Q/C	0	765	0.0	10.9	-10.9
10		BIHARSHARIFF-BALIA	D/C	0	234	0.0	2.8	-2.8
11		MOTIHARI-GORAKHPUR	D/C	0	0	0.0	5.5	-5.5
12		BIHARSHARIFF-VARANASI	D/C	0	417	1.4	0.0	1.4
13	220 kV	PUSAULI-SAHUPURI	S/C	0	0	0.0	0.0	0.0
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>3.9</b>	<b>39.0</b>	<b>-35.2</b>
<b>Import/Export of ER (With WR)</b>								
18	765 kV	JHARSUGUDA-DHARAMJAIGARH S/C	D/C	0	0	9.2	0.0	9.2
19		NEW RANCHI-DHARAMJAIGARH	D/C	0	194	3.6	0.0	3.6
20	400 kV	JHARSUGUDA-RAIGARH	Q/C	0	98	4.8	0.0	4.8
21		RANCHI-SIPAT	D/C	0	0	4.8	0.0	4.8
22	220 kV	BUDHIPADAR-RAIGARH	S/C	0	219	0.0	2.1	-2.1
23		BUDHIPADAR-KORBA	D/C	0	0	2.0	0.0	2.0
<b>ER-WR</b>						<b>24.4</b>	<b>2.1</b>	<b>22.3</b>
<b>Import/Export of ER (With SR)</b>								
24	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	0.0	0.0	16.5	-16.5
25	HVDC	JEYPORE-GAZUWAKA B/B	D/C	0.0	349.8	0.0	12.3	-12.3
26	LINK	TALCHER-KOLAR BIPOLE	D/C	0.0	1872.0	0.0	33.8	-33.8
27	400 kV	TALCHER-I/C	D/C	0.0	1247.5	0.0	19.3	-19.3
28	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>62.6</b>	<b>-62.6</b>
<b>Import/Export of ER (With NER)</b>								
29	400 kV	BINAGURI-BONGAIGAON	D/C	0	1234	0.0	8.2	-8
30		ALIPURDUAR-BONGAIGAON	D/C	0	988	0.0	7.9	-8
31	220 kV	ALIPURDUAR-SALAKATI	D/C	0	0	0.0	2.8	-3
<b>ER-NER</b>						<b>0.0</b>	<b>18.9</b>	<b>-18.9</b>
<b>Import/Export of NER (With NR)</b>								
32	HVDC	BISWANATH CHARIALI-AGRA	-	0	700	0.0	15.4	-15.4
<b>NER-NR</b>						<b>0.0</b>	<b>15.4</b>	<b>-15.4</b>
<b>Import/Export of WR (With NR)</b>								
33	HVDC	CHAMPA-KURUKSHETRA	D/C	10	1408	0.0	48.1	-48.1
34		V'CHAL B/B	D/C	250	0	6.1	0.0	6.1
35		APL -MHG	D/C	0	1211	0.0	26.7	-26.7
36	765 kV	GWALIOR-AGRA	D/C	0	2508	0.0	50.2	-50.2
37		PHAGI-GWALIOR	D/C	478	0	0.0	28.9	-28.9
38	400 kV	ZERDA-KANKROLI	S/C	208	34	2.3	0.0	2.3
39		ZERDA -BHINMAL	S/C	146	195	0.0	0.0	0.0
40		V'CHAL -RIHAND	S/C	483	0	21.6	0.0	21.6
41		RAPP-SHUJALPUR	D/C	9	1594	0	2	-2
42	220 kV	BADOD-KOTA	S/C	86	0	1.2	0.0	1.2
43		BADOD-MORAK	S/C	36	24	0.3	0.1	0.2
44		MEHGAON-AURAIYA	S/C	97	0	1.8	0.0	1.8
45		MALANPUR-AURAIYA	S/C	51	0	0.8	0.0	0.8
46	132kV	GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0
<b>WR-NR</b>						<b>34.1</b>	<b>156.0</b>	<b>-121.9</b>
<b>Import/Export of WR (With SR)</b>								
47	HVDC	BHADRAWATI B/B	-	0	1000	0.0	17.6	-17.6
48	LINK	BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0
49	765 kV	SOLAPUR-RAICHUR	D/C	277	1270	0.0	14.8	-14.8
50		WARDHA-NIZAMABAD	D/C	0	2197	0.0	34.5	-34.5
51	400 kV	KOLHAPUR-KUDGI	D/C	458	57	3.2	0.4	2.9
52	220 kV	KOLHAPUR-CHIKODI	D/C	0	0	0.0	0.0	0.0
53		PONDA-AMBEWADI	S/C	0	0	0.0	0.0	0.0
54		XELDEM-AMBEWADI	S/C	73	0	1.5	0.0	1.5
<b>WR-SR</b>						<b>4.8</b>	<b>67.3</b>	<b>-62.5</b>
<b>TRANSNATIONAL EXCHANGE</b>								
55		BHUTAN						<b>2.8</b>
56		NEPAL						<b>-9.7</b>
57		BANGLADESH						<b>-11.6</b>