



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: 17th 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 16.01.2018.

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 16-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 16th January 2018, 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

17-Jan-18

A. Maximum Demand

	NR	WR	SR	ER	NER	Total
Demand Met during Evening Peak hrs(MW) (at 1900 hrs: from RLDCs)	44671	46100	37510	18402	2377	149060
Peak Shortage (MW)	546	46	0	0	49	640
Energy Met (MU)	909	1075	860	357	43	3244
Hydro Gen(MU)	106	36	73	26	9	249
Wind Gen(MU)	11	16	21	-----	-----	49
Solar Gen (MU)*	2.96	16.97	39.27	0.70	0.01	60
Energy Shortage (MU)	14.9	0.0	0.8	0.0	0.3	16.0
Maximum Demand Met during the day (MW) (from NLDC SCADA)	46812	51174	40208	18485	2330	151150

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	0.032	0.00	0.00	6.84	6.84	83.98	9.18

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	5509	0	106.5	19.2	1.3	173	0.0
	Haryana	6796	174	125.6	71.5	1.3	166	0.0
	Rajasthan	10808	349	187.4	70.6	3.7	454	2.6
	Delhi	3839	0	65.5	48.4	-1.7	103	0.0
	UP	14100	0	306.0	107.2	1.6	473	1.1
	Uttarakhand	2125	0	39.6	29.2	0.3	155	0.0
	HP	1521	0	27.8	22.0	1.6	209	0.1
	J&K	2199	550	46.8	43.4	-0.5	117	11.1
WR	Chandigarh	221	0	3.6	3.7	-0.1	19	0.0
	Chhattisgarh	3405	0	74.1	4.6	-0.9	108	0.0
	Gujarat	13916	0	300.5	101.4	3.2	640	0.0
	MP	11639	0	219.2	133.2	-1.1	494	0.0
	Maharashtra	21514	0	438.4	151.2	1.9	476	0.0
	Goa	482	0	9.9	9.3	0.3	49	0.0
	DD	296	0	5.3	5.0	0.4	63	0.0
	DNH	750	0	17.6	16.8	0.8	80	0.0
SR	Essar steel	508	0	9.8	9.6	0.3	182	0.0
	Andhra Pradesh	7880	0	155.8	45.5	5.7	513	0.1
	Telangana	8477	0	171.8	66.7	-0.6	333	0.1
	Karnataka	10118	0	210.5	92.1	1.6	483	0.2
	Kerala	3543	0	67.1	52.1	0.5	186	0.1
	Tamil Nadu	11924	0	249.8	134.1	10.3	525	0.3
ER	Pondy	260	0	5.2	5.8	-0.6	38	0.0
	Bihar	4301	0	73.7	71.5	-1.1	220	0.0
	DVC	3017	0	70.5	-43.7	-0.8	225	0.0
	Jharkhand	1144	0	24.4	14.7	-0.1	60	0.0
	Odisha	4260	0	77.6	27.3	1.3	250	0.0
	West Bengal	6404	0	109.5	18.8	0.9	225	0.0
NER	Sikkim	102	0	1.7	1.8	-0.2	10	0.0
	Arunachal Pradesh	110	3	2.3	1.9	0.3	39	0.0
	Assam	1421	16	23.5	19.6	1.4	135	0.2
	Manipur	181	4	2.9	2.9	0.0	25	0.0
	Meghalaya	320	0	6.7	4.4	0.0	45	0.0
	Mizoram	88	3	1.8	1.2	-0.1	22	0.0
NER	Nagaland	108	7	2.0	1.9	0.0	38	0.1
	Tripura	224	1	3.5	3.6	0.4	55	0.0

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	2.6	-9.4	-11.5
Day peak (MW)	127.2	-291.5	-631.3

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	185.9	-203.8	85.8	-73.3	4.4	-1.1
Actual(MU)	182.5	-207.5	83.4	-69.5	3.8	-7.4
O/D/U/D(MU)	-3.4	-3.8	-2.4	3.8	-0.6	-6.4

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	4221	12186	6152	1745	248	24552
State Sector	10150	17027	7784	4715	50	39726
Total	14371	29213	13936	6460	298	64278

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	Total
Thermal (Coal & Lignite)	554	1170	520	421	8	2673
Hydro	106	34	73	26	9	247
Nuclear	29	24	60	0	0	112
Gas, Naptha & Diesel	28	47	19	0	25	119
RES (Wind, Solar, Biomass & Others)	39	33	102	2	0	176
Total	756	1307	773	449	42	3327

*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(ग्रि०प्रा०)/
मुख्य कार्यपालक अधिकारी(पोसोको)/सभी राज्यों के मुख्य सचिव/ऊर्जा सचिव

महाप्रबंधक (रा० भा० प्रे० के०)

INTER-REGIONAL EXCHANGES								Date of Reporting : 17-Jan-18
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)
Import/Export of ER (With NR)								
1	765kV	GAYA-VARANASI	D/C	0	256	0.0	7.3	-7.3
2		SASARAM-FATEHPUR	S/C	0	47	1.8	0.0	1.8
3		GAYA-BALIA	S/C	0	393	0.0	7.2	-7.2
4	HVDC	ALIPURDUAR-AGRA	-	0	0	0.0	0.0	0.0
5		PUSAULI B/B	S/C	0	247	0.0	6.1	-6.1
6	400 kV	PUSAULI-VARANASI	S/C	0	221	0.0	0.0	0.0
7		PUSAULI -ALLAHABAD	S/C	0	94	0.0	0.0	0.0
8		MUZAFFARPUR-GORAKHPUR	D/C	0	390	0.0	3.6	-3.6
9		PATNA-BALIA	Q/C	0	908	0.0	14.2	-14.2
10		BIHARSHARIFF-BALIA	D/C	0	317	0.0	4.6	-4.6
11		MOTIHARI-GORAKHPUR	D/C	0	0	0.0	6.3	-6.3
12		BIHARSHARIFF-VARANASI	D/C	0	315	0.4	0.0	0.4
13		220 kV	PUSAULI-SAHUPURI	S/C	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	0.4	0.0	0.4
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
ER-NR						2.7	49.2	-46.5
Import/Export of ER (With WR)								
18	765 kV	JHARSUGUDA-DHARAMJAIGARH S/C	D/C	0	0	7.9	0.0	7.9
19		NEW RANCHI-DHARAMJAIGARH	D/C	0	280	1.7	0.0	1.7
20	400 kV	JHARSUGUDA-RAIGARH	Q/C	0	253	0.0	0.2	-0.2
21		RANCHI-SIPAT	D/C	0	0	4.7	0.0	4.7
22	220 kV	BUDHIPADAR-RAIGARH	S/C	0	228	0.0	2.6	-2.6
23		BUDHIPADAR-KORBA	D/C	0	11	0.0	2.5	-2.5
ER-WR						14.3	5.3	9.0
Import/Export of ER (With SR)								
24	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	0.0	0.0	19.8	-19.8
25	HVDC	JEYPORE-GAZUWAKA B/B	D/C	0.0	262.5	0.0	12.3	-12.3
26	LINK	TALCHER-KOLAR BIPOLE	D/C	0.0	1877.8	0.0	31.8	-31.8
27	400 kV	TALCHER-I/C	D/C	0.0	933.5	0.0	10.6	-10.6
28	220 kV	BALIMELA-UPPER-SILERRU	S/C	0.0	0.0	0.0	0.0	0.0
ER-SR						0.0	64.0	-64.0
Import/Export of ER (With NER)								
29	400 kV	BINAGURI-BONGAIGAON	D/C	0	940	0.0	4.6	-5
30		ALIPURDUAR-BONGAIGAON	D/C	0	760	0.0	3.5	-3
31	220 kV	ALIPURDUAR-SALAKATI	D/C	0	0	0.0	2.1	-2
ER-NER						0.0	10.2	-10.2
Import/Export of NER (With NR)								
32	HVDC	BISWANATH CHARIALI-AGRA	-	144	500	0.0	6.2	-6.2
NER-NR						0.0	6.2	-6.2
Import/Export of WR (With NR)								
33	HVDC	CHAMPA-KURUKSHETRA	D/C	0	1307	0.0	48.5	-48.5
34		V'CHAL B/B	D/C	250	250	3.1	0.7	2.4
35		APL -MHG	D/C	0	2015	0.0	37.4	-37.4
36	765 kV	GWALIOR-AGRA	D/C	0	2634	0.0	51.8	-51.8
37		PHAGI-GWALIOR	D/C	485	0	0.0	29.9	-29.9
38	400 kV	ZERDA-KANKROLI	S/C	305	0	5.1	0.0	5.1
39		ZERDA -BHINMAL	S/C	309	9	3.1	0.0	3.1
40		V'CHAL -RIHAND	S/C	483	0	22.3	0.0	22.3
41		RAPP-SHUJALPUR	D/C	0	1574	0	2	-2
42	220 kV	BADOD-KOTA	S/C	90	0	1.4	0.0	1.4
43		BADOD-MORAK	S/C	40	26	0.3	0.1	0.2
44		MEHGAON-AURAIYA	S/C	100	0	1.8	0.0	1.8
45		MALANPUR-AURAIYA	S/C	54	0	0.8	0.0	0.8
46	132kV	GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0
WR-NR						37.8	170.4	-132.6
Import/Export of WR (With SR)								
47	HVDC	BHADRAWATI B/B	-	0	1000	0.0	20.0	-20.0
48	LINK	BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0
49	765 kV	SOLAPUR-RAICHUR	D/C	157	1248	0.0	15.3	-15.3
50		WARDHA-NIZAMABAD	D/C	0	2018	0.0	32.8	-32.8
51	400 kV	KOLHAPUR-KUDGI	D/C	500	85	4.1	0.1	4.0
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
WR-SR						5.6	68.2	-62.6
TRANSNATIONAL EXCHANGE								
55		BHUTAN						2.6
56		NEPAL						-9.4
57		BANGLADESH						-11.5