



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: 18th 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 17.01.2018.

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 17-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 17th 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

18-Jan-18

A. Maximum Demand

	NR	WR	SR	ER	NER	Total
Demand Met during Evening Peak hrs(MW) (at 1900 hrs: from RLDCs)	44823	45751	39281	18400	2319	150574
Peak Shortage (MW)	548	108	0	0	47	703
Energy Met (MU)	940	1075	891	357	42	3305
Hydro Gen(MU)	101	30	73	25	8	237
Wind Gen(MU)	14	15	23	-----	-----	52
Solar Gen (MU)*	0.66	17.30	41.87	0.69	0.02	61
Energy Shortage (MU)	14.8	0.0	1.6	0.0	0.3	16.7
Maximum Demand Met during the day (MW) (from NLDC SCADA)	48408	51181	41237	18462	2326	155106

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	0.050	0.00	0.24	14.66	14.91	79.56	5.53

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	5638	0	108.3	20.3	0.4	172	0.0
	Haryana	6812	0	125.9	67.9	1.3	252	0.0
	Rajasthan	11324	346	213.5	69.7	2.5	409	2.3
	Delhi	4003	0	68.1	49.7	-0.2	215	0.0
	UP	14235	40	306.9	104.9	0.6	715	1.2
	Uttarakhand	2062	0	38.4	28.7	-0.1	161	0.0
	HP	1571	2	28.2	22.5	1.5	210	0.0
	J&K	2250	563	47.0	44.3	-0.8	74	11.2
WR	Chandigarh	229	0	3.6	3.6	0.0	15	0.0
	Chhattisgarh	3305	0	72.4	3.2	-0.8	107	0.0
	Gujarat	14034	0	305.2	96.8	5.5	732	0.0
	MP	11779	0	221.1	142.8	0.6	417	0.0
	Maharashtra	20951	0	432.5	149.9	0.1	595	0.0
	Goa	482	0	9.9	9.3	0.3	53	0.0
	DD	334	0	7.3	6.8	0.5	82	0.0
	DNH	759	0	17.7	16.7	1.0	82	0.0
SR	Essar steel	473	0	9.0	9.4	-0.4	237	0.0
	Andhra Pradesh	8402	0	160.1	49.8	1.4	439	0.3
	Telangana	8751	0	177.7	74.6	-0.9	386	0.3
	Karnataka	9763	0	210.6	90.3	1.9	428	0.4
	Kerala	3541	0	67.4	52.1	0.9	252	0.1
	Tamil Nadu	12918	0	269.3	147.4	1.5	495	0.5
ER	Pondy	313	0	6.1	6.7	-0.6	18	0.0
	Bihar	4428	0	73.2	69.7	-0.4	220	0.0
	DVC	3157	0	70.6	-44.0	-0.7	225	0.0
	Jharkhand	1155	0	24.5	14.5	0.1	55	0.0
	Odisha	4035	0	75.6	23.1	0.3	225	0.0
	West Bengal	6442	0	110.9	20.9	0.7	225	0.0
NER	Sikkim	98	0	1.6	1.7	-0.1	10	0.0
	Arunachal Pradesh	112	1	2.2	1.9	0.3	39	0.0
	Assam	1395	17	23.4	19.5	1.5	135	0.1
	Manipur	185	5	2.7	3.0	-0.3	25	0.0
	Meghalaya	290	1	6.3	3.8	-0.3	45	0.0
	Mizoram	95	3	1.7	1.2	0.0	22	0.0
NER	Nagaland	98	17	1.9	1.9	-0.1	38	0.1
	Tripura	225	1	3.4	3.6	0.2	55	0.0

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	2.7	-10.0	-11.7
Day peak (MW)	150.4	-295.3	-628.4

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	189.7	-221.0	111.0	-83.5	3.7	0.0
Actual(MU)	186.9	-222.9	106.5	-80.2	3.6	-6.1
O/D/U/D(MU)	-2.8	-1.9	-4.6	3.3	-0.1	-6.1

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	4721	11786	6652	1220	216	24595
State Sector	9055	15974	6834	5215	50	37128
Total	13776	27760	13486	6435	265	61723

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	Total
Thermal (Coal & Lignite)	586	1190	535	435	9	2754
Hydro	101	28	73	25	8	235
Nuclear	29	24	60	0	0	113
Gas, Naptha & Diesel	29	53	18	0	25	124
RES (Wind, Solar, Biomass & Others)	39	33	108	1	0	180
Total	784	1327	793	461	41	3406

*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 : 18-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	270	0.0	5.5	-5.5
2		SASARAM-FATEHPUR	S/C	0	120	1.3	0.0	1.3
3		GAYA-BALIA	S/C	0	356	0.0	6.1	-6.1
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	205	0.0	0.0	0.0
7		PUSAULI -ALLAHABAD	S/C	0	112	0.0	0.0	0.0
8		MUZAFFARPUR-GORAKHPUR	D/C	0	390	0.0	4.2	-4.2
9		PATNA-BALIA	Q/C	0	889	0.0	17.5	-17.5
10		BIHARSHARIFF-BALIA	D/C	0	336	0.0	5.0	-5.0
11		MOTIHARI-GORAKHPUR	D/C	0	0	0.0	6.2	-6.2
12		BIHARSHARIFF-VARANASI	D/C	0	310	0.0	0.9	-0.9
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	0.5	0.0	0.5
16		KARMANASA-SAHUPURI	S/C	0	0	0.0	0.0	0.0
17		KARMANASA-CHANDAUJI	S/C	0	0	0.0	0.0	0.0
ER-NR						1.8	51.4	-49.6
Import/Export of ER (With WR)								
18	765 kV	JHARSUGUDA-DHARAMJAIGARH S/C	D/C	0	0	8.7	0.0	8.7
19		NEW RANCHI-DHARAMJAIGARH	D/C	0	401	0.0	1.1	-1.1
20	400 kV	JHARSUGUDA-RAIGARH	Q/C	0	178	0.0	0.3	-0.3
21		RANCHI-SIPAT	D/C	0	62	3.2	0.0	3.2
22	220 kV	BUDHIPADAR-RAIGARH	S/C	0	203	0.0	2.1	-2.1
23		BUDHIPADAR-KORBA	D/C	0	0	1.8	0.0	1.8
ER-WR						13.7	3.4	10.3
Import/Export of ER (With SR)								
24	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	0.0	0.0	19.9	-19.9
25	HVDC	JEYPORE-GAZUWAKA B/B	D/C	0.0	344.3	0.0	13.8	-13.8
26	LINK	TALCHER-KOLAR BIPOLE	D/C	0.0	1880.9	0.0	43.2	-43.2
27	400 kV	TALCHER-I/C	D/C	0.0	908.7	0.0	9.5	-9.5
28	220 kV	BALIMELA-UPPER-SILERRU	S/C	0.0	0.0	0.0	0.0	0.0
ER-SR						0.0	76.9	-76.9
Import/Export of ER (With NER)								
29	400 kV	BINAGURI-BONGAIGAON	D/C	0	866	0.0	3.9	-4
30		ALIPURDUAR-BONGAIGAON	D/C	0	699	0.0	3.1	-3
31	220 kV	ALIPURDUAR-SALAKATI	D/C	0	0	0.0	2.1	-2
ER-NER						0.0	9.1	-9.1
Import/Export of NER (With NR)								
32	HVDC	BISWANATH CHARIALI-AGRA	-	349	500	0.0	4.5	-4.5
NER-NR						0.0	4.5	-4.5
Import/Export of WR (With NR)								
33	HVDC	CHAMPA-KURUKSHETRA	D/C	0	1393	0.0	55.6	-55.6
34		V'CHAL B/B	D/C	250	50	5.1	0.2	4.9
35		APL -MHG	D/C	0	1814	0.0	37.3	-37.3
36	765 kV	GWALIOR-AGRA	D/C	0	2658	0.0	52.1	-52.1
37		PHAGI-GWALIOR	D/C	480	0	0.0	28.3	-28.3
38	400 kV	ZERDA-KANKROLI	S/C	351	0	4.9	0.0	4.9
39		ZERDA -BHINMAL	S/C	317	30	2.9	0.0	2.9
40		V'CHAL -RIHAND	S/C	968	0	22.5	0.0	22.5
41		RAPP-SHUJALPUR	D/C	0	1612	0	2	-2
42	220 kV	BADOD-KOTA	S/C	84	0	0.9	0.0	0.9
43		BADOD-MORAK	S/C	56	32	0.4	0.1	0.2
44		MEHGAON-AURAIYA	S/C	103	0	1.9	0.0	1.9
45		MALANPUR-AURAIYA	S/C	56	0	0.9	0.0	0.9
46	132kV	GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0
WR-NR						39.4	175.5	-136.2
Import/Export of WR (With SR)								
47	HVDC	BHADRAWATI B/B	-	0	1000	0.0	23.5	-23.5
48	LINK	BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0
49	765 kV	SOLAPUR-RAICHUR	D/C	0	1085	0.0	19.1	-19.1
50		WARDHA-NIZAMABAD	D/C	0	2210	0.0	38.7	-38.7
51	400 kV	KOLHAPUR-KUDGI	D/C	477	50	4.0	0.0	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						5.5	81.2	-75.7
TRANSNATIONAL EXCHANGE								
55		BHUTAN						2.7
56		NEPAL						-10.0
57		BANGLADESH						-11.7