



National Load Despatch Centre

राष्ट्रीय भार प्रेषण केंद्र

POWER SYSTEM OPERATION CORPORATION LIMITED

पाँवर 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: 3rd 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 02.01.2018.

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 02-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 2nd 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

3-Jan-18

A. Maximum Demand

	NR	WR	SR	ER	NER	Total
Demand Met during Evening Peak hrs(MW) (at 1900 hrs; from RLDCs)	44324	45703	40548	17113	2288	149977
Peak Shortage (MW)	1119	57	0	0	35	1211
Energy Met (MU)	888	1042	923	314	41	3209
Hydro Gen(MU)	114	22	54	25	9	224
Wind Gen(MU)	2	39	8	-----	-----	49
Solar Gen (MU)*	2.98	15.87	37.25	0.60	0.01	57
Energy Shortage (MU)	11.8	0.0	1.2	0.0	0.4	13.4
Maximum Demand Met during the day (MW) (from NLDC SCADA)	45951	50052	42504	16937	2322	151489

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	0.053	0.00	1.41	13.06	14.47	76.35	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	5262	0	98.4	27.0	-5.3	173	0.0
	Haryana	6058	64	116.9	68.4	1.1	258	0.1
	Rajasthan	10161	49	206.1	71.7	3.4	445	0.3
	Delhi	3959	0	65.7	52.3	-0.1	236	0.0
	UP	14713	350	289.0	98.3	1.5	400	0.3
	Uttarakhand	1946	0	35.9	25.8	-0.2	153	0.0
	HP	1460	7	26.6	21.9	0.0	81	0.2
	J&K	2251	563	46.0	43.2	-1.9	47	10.9
WR	Chhattisgarh	219	0	3.6	3.7	-0.1	16	0.0
	Chhattisgarh	3288	0	73.0	8.0	-1.1	224	0.0
	Gujarat	14016	0	291.9	71.8	3.1	414	0.0
	MP	9638	0	222.6	140.4	-0.7	297	0.0
	Maharashtra	20556	0	414.2	114.2	-0.3	398	0.0
	Goa	421	0	9.2	8.6	0.1	52	0.0
	DD	316	0	6.6	6.4	0.2	68	0.0
	DNH	738	0	16.6	16.0	0.6	79	0.0
SR	Essar steel	425	0	7.9	8.4	-0.5	219	0.0
	Andhra Pradesh	8392	0	164.1	61.2	2.1	416	0.2
	Telangana	9288	0	185.5	108.2	-1.4	325	0.2
	Karnataka	9819	0	205.0	90.7	2.9	536	0.3
	Kerala	3459	0	65.8	53.0	0.8	199	0.1
	Tamil Nadu	14009	0	296.6	160.1	4.0	501	0.4
	Pondy	329	-	6.6	7.0	-0.5	19	0.0
	Bihar	3912	0	70.4	64.4	-0.7	365	0.0
ER	DVC	3075	0	63.3	-22.9	-0.4	385	0.0
	Jharkhand	1049	0	24.7	14.4	0.1	145	0.0
	Odisha	3698	0	65.8	30.6	2.9	425	0.0
	West Bengal	5596	0	87.9	8.1	1.7	456	0.0
	Sikkim	106	0	1.9	1.7	0.2	20	0.0
NER	Arunachal Pradesh	117	3	2.3	2.0	0.3	31	0.0
	Assam	1381	17	22.7	17.3	0.8	173	0.2
	Manipur	174	4	2.6	3.0	-0.4	21	0.0
	Meghalaya	295	1	6.1	3.9	-0.3	16	0.0
	Mizoram	89	4	1.7	1.2	-0.3	20	0.0
	Nagaland	110	2	2.5	2.1	0.3	60	0.0
	Tripura	219	5	3.1	2.3	0.2	59	0.0

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	5.6	-9.5	-12.0
Day peak (MW)	230.6	-440.7	-629.8

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	172.1	-229.5	131.6	-72.7	-1.7	-0.2
Actual(MU)	161.6	-237.3	132.2	-64.2	-1.5	-9.2
OD/UD(MU)	-10.5	-7.8	0.6	8.5	0.2	-9.1

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	3701	13721	5052	1220	71	23765
State Sector	9885	18245	6960	6670	50	41810
Total	13586	31966	12012	7890	121	65575

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	Total
Thermal (Coal & Lignite)	561	1159	560	380	9	2669
Hydro	114	20	54	25	9	222
Nuclear	29	24	74	0	0	127
Gas, Naptha & Diesel	21	52	19	0	27	119
RES (Wind, Solar, Biomass & Others)	29	55	90	2	0	176
Total	755	1310	797	406	45	3313

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

सचिव(ऊर्जा)/संयुक्त सचिव(परिषद्)/(ओ एम)/निदेशक(ओ एम)/मुख्य अभियंता-के०वि०प्रा०(ग्रि०प्रा०)/
मुख्य कार्यपालक अधिकारी(पोसोको)/सभी राज्यों के मुख्य सचिव/ऊर्जा सचिव

INTER-REGIONAL EXCHANGES								
								Date of Reporting : 3-Jan-18
								Import=(+ve) /Export =(-ve) for NET (MU)
Sl No	Voltage Level	Line Details	Circuit	Max Import (MW)	Max Export (MW)	Import (MU)	Export (MU)	NET (MU)
Import/Export of ER (With NR)								
1	765KV	GAYA-VARANASI	D/C	0	298	0.0	8.3	-8.3
2		SASARAM-FATEHPUR	S/C	0	184	0.0	1.0	-1.0
3		GAYA-BALIA	S/C	0	331	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	0	0.0	0.0	0.0
6	400 KV	PUSAULI-VARANASI	S/C	0	51	0.0	0.0	0.0
7		PUSAULI -ALLAHABAD	S/C	0	5	0.0	0.0	0.0
8		MUZAFFARPUR-GORAKHPUR	D/C	0	595	0.0	8.3	-8.3
9		PATNA-BALIA	Q/C	0	1238	0.0	20.4	-20.4
10		BIHARSHARIFF-BALIA	D/C	0	275	0.0	3.6	-3.6
11		MOTIHARI-GORAKHPUR	D/C	0	0	6.8	0.0	6.8
12	BIHARSHARIFF-VARANASI	D/C	0	295	0.0	1.2	-1.2	
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
ER-NR						7.2	48.8	-41.6
Import/Export of ER (With WR)								
18	765 KV	JHARSUGUDA-DHARAMJAIGARH S/C	D/C	0	0	14.7	0.0	14.7
19	400 KV	NEW RANCHI-DHARAMJAIGARH	D/C	0	238	4.2	0.0	4.2
20		ROURKELA - RAIGARH (SEL LILO BYPASS)	S/C	0	5	1.9	0.0	1.9
21		JHARSUGUDA-RAIGARH	S/C	0	0	2.5	0.0	2.5
22		IBEUL-RAIGARH	S/C	0	0	2.4	0.0	2.4
23		STERLITE-RAIGARH	D/C	0	0	0.0	0.0	0.0
24		RANCHI-SIPAT	D/C	0	0	4.3	0.0	4.3
25	220 KV	BUDHIPADAR-RAIGARH	S/C	0	111	0.0	0.0	0.0
26		BUDHIPADAR-KORBA	D/C	0	0	2.5	0.0	2.5
ER-WR						32.3	0.0	32.3
Import/Export of ER (With SR)								
27	765 KV	ANGUL-SRIKAKULAM	D/C	0.0	0.0	0.0	19.5	-19.5
28	HVDC LINK	JEYPORE-GAZUWAKA B/B	D/C	0.0	345.7	0.0	15.8	-15.8
29		TALCHER-KOLAR BIPOLE	D/C	0.0	2269.1	0.0	48.9	-48.9
30	400 KV	TALCHER-I/C	D/C	0.0	982.8	0.0	14.4	-14.4
31	220 KV	BALIMELA-UPPER-SILERRU	S/C	0.0	0.0	0.0	0.0	0.0
ER-SR						0.0	84.1	-84.1
Import/Export of ER (With NER)								
32	400 KV	BINAGURI-BONGAIGAON	D/C	0	1071	0.0	6.6	-7
33		ALIPURDUAR-BONGAIGAON	D/C	0	835	0.0	5.5	-5
34	220 KV	ALIPURDUAR-SALAKATI	D/C	0	0	0.0	2.2	-2
ER-NER						0.0	14.3	-14.3
Import/Export of NER (With NR)								
35	HVDC	BISWANATH CHARIALI-AGRA	-	0	700	0.0	15.5	-15.5
NER-NR						0.0	15.5	-15.5
Import/Export of WR (With NR)								
36	HVDC	CHAMPA-KURUKSHETRA	D/C	0	1198	0.0	36.9	-36.9
37		V'CHAL B/B	D/C	250	50	2.7	0.4	2.3
38		APL -MHG	D/C	0	1412	0.0	25.5	-25.5
39	765 KV	GWALIOR-AGRA	D/C	0	2936	0.0	47.4	-47.4
40		PHAGI-GWALIOR	D/C	476	0	0.0	25.8	-25.8
41	400 KV	ZERDA-KANKROLI	S/C	140	99	0.8	0.0	0.8
42		ZERDA -BHINMAL	S/C	143	211	0.0	1.4	-1.4
43		V'CHAL -RIHAND	S/C	481	0	21.7	0.0	21.7
44		RAPP-SHUJALPUR	D/C	0	1531	0	3	-3
45	220 KV	BADOD-KOTA	S/C	61	0	0.7	0.0	0.7
46		BADOD-MORAK	S/C	15	52	0.0	0.5	-0.4
47		MEHGAON-AURAIYA	S/C	73	0	1.4	0.0	1.4
48		MALANPUR-AURAIYA	S/C	46	0	0.5	0.0	0.5
49	132KV	GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0
WR-NR						27.8	140.8	-113.0
Import/Export of WR (With SR)								
50	HVDC	BHADRAWATI B/B	-	0	1000	0.0	22.6	-22.6
51	LINK	BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0
52		SOLAPUR-RAICHUR	D/C	0	1861	0.0	29.6	-29.6
53	765 KV	WARDHA-NIZAMABAD	D/C	0	2336	0.0	48.3	-48.3
54		KOLHAPUR-KUDGI	D/C	541	18	5.6	0.0	5.6
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
WR-SR						7.2	100.4	-93.3
TRANSNATIONAL EXCHANGE								
58		BHUTAN						5.6
59		NEPAL						-9.5
60		BANGLADESH						-12.0