National Load Despatch Centre
राष्ट्रीय भार प्रेषण केंद्र
POWER SYSTEM OPERATION CORPORATION LIMITED
पॉवर सिस्टम ऑपरेशन कारपोरेशन लिमिटेड
(Government of India Enterprise/ भारत सरकार का उद्यम)
B-9, QUTUB INSTITUTIONAL AREA, KATWARIA SARAI, NEW DELHI -110016
बी-9, क़ुतुब इन्स्टीट्यूशनल एरिया, कटवारिया सराये, न्यू दिल्ली-110016

Ref: POSOCO/NLDC/SO/Daily PSP Report दिनांक: 2nd 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. 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., डोंगतिएह, 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 01.01.2018.

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 01-जनवरी - 2018 की अखिल भारतीय प्रणाली की दैनिक ग्रिड निष्पादन रिपोर्ट रा०भा०प्रे०के० की वेबसाइट पर उप्लब्ध 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 01st 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** **2-Jan-18**

A. Maximum Demand

	NR	WR	SR	ER	NER	Total
Demand Met during Evening Peak hrs(MW) (at 1900 hrs; from RLDCs)	44061	42946	38250	17012	2240	144510
Peak Shortage (MW)	507	11	0	0	45	563
Energy Met (MU)	874	1004	883	322	39	3123
Hydro Gen(MU)	108	23	45	26	9	211
Wind Gen(MU)	4	39	6	----------	----------	49
Solar Gen (MU)*	0.45	15.55	41.64	0.45	0.01	58
Energy Shortage (MU)	12.3	0.0	0.4	0.0	0.3	13.0
Maximum Demand Met during the day (MW) (from NLDC SCADA)	44841	49679	42112	16890	2259	146801

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	0.066	0.00	2.89	10.76	13.66	66.63	19.71

C. Power Supply Position in States

RegionRegion	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	5674	0	105.4	26.5	0.1	254	0.0
	Haryana	6101	0	109.4	59.9	-0.5	182	0.0
	Rajasthan	10127	0	202.8	70.5	2.4	346	0.4
	Delhi	3954	0	63.7	51.8	-1.0	218	0.0
	UP	14989	0	281.9	90.3	0.3	665	0.8
	Uttarakhand	1943	0	34.5	25.1	-0.8	80	0.0
	HP	1501	0	26.5	22.3	-0.5	125	0.0
	J&K	2294	574	46.7	41.7	0.3	280	11.0
	Chandigarh	217	0	3.5	3.8	-0.3	24	0.0
WR	Chhattisgarh	3288	0	71.7	14.0	-2.5	163	0.0
	Gujarat	13653	0	283.1	69.3	0.0	445	0.0
	MP	9951	0	223.0	141.9	0.2	579	0.0
	Maharashtra	19226	0	386.5	111.1	-0.4	418	0.0
	Goa	421	0	9.2	8.1	0.5	72	0.0
	DD	246	0	5.6	5.6	0.1	22	0.0
	DNH	670	0	15.9	15.7	0.1	137	0.0
	Essar steel	436	0	8.7	7.5	1.2	163	0.0
SR	Andhra Pradesh	8193	0	153.6	61.0	-4.3	481	0.1
	Telangana	9115	0	184.8	97.0	-0.2	321	0.1
	Karnataka	9800	0	197.1	90.3	2.3	631	0.1
	Kerala	3353	0	64.0	53.0	0.5	227	0.0
	Tamil Nadu	12719	0	277.3	154.4	2.1	352	0.1
	Pondy	305	0	5.9	6.6	-0.7	32	0.0
ER	Bihar	3881	0	74.4	67.9	-0.1	220	0.0
	DVC	3294	0	67.1	-31.7	0.7	225	0.0
	Jharkhand	1157	0	23.8	14.7	-1.0	80	0.0
	Odisha	3723	0	68.6	33.3	3.1	250	0.0
	West Bengal	5556	0	87.3	9.8	2.0	225	0.0
	Sikkim	93	0	1.3	1.9	-0.5	12	0.0
NER	Arunachal Pradesh	134	1	2.0	1.9	0.1	31	0.0
	Assam	1340	29	21.3	17.0	-0.2	173	0.2
	Manipur	176	4	2.6	2.9	-0.4	21	0.0
	Meghalaya	315	0	5.9	3.7	-0.3	16	0.0
	Mizoram	109	6	1.7	1.3	-0.3	20	0.0
	Nagaland	110	4	2.4	2.1	0.1	60	0.0
	Tripura	220	4	3.3	2.0	0.2	59	0.0

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	4.0	-9.5	-10.8
Day peak (MW)	230.4	-307.2	-584.2

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	162.2	-207.4	122.4	-75.8	-1.4	0.1
Actual(MU)	156.4	-210.1	120.4	-68.2	-3.0	-4.6
O/D/U/D(MU)	-5.8	-2.7	-2.0	7.6	-1.6	-4.7

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	3831	13271	5092	1720	173	24087
State Sector	8755	17760	7460	6380	50	40405
Total	12586	31031	12552	8100	223	64492

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	Total
Thermal (Coal & Lignite)	564	1101	546	384	9	2604
Hydro	108	21	45	26	9	210
Nuclear	29	24	71	0	0	123
Gas, Naptha & Diesel	19	50	19	0	26	115
RES (Wind, Solar, Biomass & Others)	28	55	93	2	0	177
Total	749	1251	773	411	45	3229

*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 राज्यो के मुख्य सचिव/ऊर्जा सचिव

महाप्रबंधक (रा० भा० प्रे० के०)

INTER-REGIONAL EXCHANGES

Date of Reporting : **2-Jan-18**

Sl 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	342	0.0	8.4	-8.4
2		SASARAM-FATEHPUR	S/C	0	208	0.0	1.0	-1.0
3		GAYA-BALIA	S/C	0	379	0.0	6.0	-6.0
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	50	0.0	0.4	-0.4
7		PUSAULI -ALLAHABAD	S/C	0	15	0.4	0.0	0.4
8		MUZAFFARPUR-GORAKHPUR	D/C	0	742	0.0	8.7	-8.7
9		PATNA-BALIA	Q/C	0	1362	0.0	18.5	-18.5
10		BIHARSHARIFF-BALIA	D/C	0	326	0.0	3.8	-3.8
11		MOTIHARI-GORAKHPUR	D/C	0	0	3.5	0.0	3.5
12		BIHARSHARIFF-VARANASI	D/C	0	303	0.0	1.4	-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
					ER-NR	**4.4**	**48.2**	**-43.8**
Import/Export of ER (With WR)								
18	**765 KV**	JHARSUGUDA-DHARAMJAIGARH S/C	D/C	0	0	12.9	0.0	12.9
19		NEW RANCHI-DHARAMJAIGARH	D/C	0	389	0.5	0.0	0.5
20	**400 KV**	ROURKELA - RAIGARH (SEL LILO BYPASS)	S/C	0	71	1.2	0.0	1.2
21		JHARSUGUDA-RAIGARH	S/C	0	13	1.5	0.0	1.5
22		IBEUL-RAIGARH	S/C	0	0	1.5	0.0	1.5
23		STERLITE-RAIGARH	D/C	0	0	0.0	0.0	0.0
24		RANCHI-SIPAT	D/C	0	35	3.1	0.0	3.1
25	**220 KV**	BUDHIPADAR-RAIGARH	S/C	0	30	0.7	0.0	0.7
26		BUDHIPADAR-KORBA	D/C	0	0	2.9	0.0	2.9
					ER-WR	**24.4**	**0.0**	**24.4**
Import/Export of ER (With SR)								
27	**765 KV**	ANGUL-SRIKAKULAM	D/C	0.0	0.0	0.0	18.8	-18.8
28	**HVDC LINK**	JEYPORE-GAZUWAKA B/B	D/C	0.0	345.7	0.0	15.0	-15.0
29		TALCHER-KOLAR BIPOLE	D/C	0.0	2275.4	0.0	45.0	-45.0
30	**400 KV**	TALCHER-I/C	D/C	0.0	881.1	0.0	14.0	-14.0
31	**220 KV**	BALIMELA-UPPER-SILERRU	S/C	0.0	0.0	0.0	0.0	0.0
					ER-SR	**0.0**	**78.9**	**-78.9**
Import/Export of ER (With NER)								
32	**400 KV**	BINAGURI-BONGAIGAON	D/C	0	939	0.0	6.4	-6
33		ALIPURDUAR-BONGAIGAON	D/C	0	742	0.0	5.1	-5
34	**220 KV**	ALIPURDUAR-SALAKATI	D/C	0	0	0.0	2.2	-2
					ER-NER	**0.0**	**13.7**	**-13.7**
Import/Export of NER (With NR)								
35	**HVDC**	BISWANATH CHARIALI-AGRA	-	0	701	0.0	15.8	-15.8
					NER-NR	**0.0**	**15.8**	**-15.8**
Import/Export of WR (With NR)								
36	**HVDC**	CHAMPA-KURUKSHETRA	D/C	0	989	0.0	34.6	-34.6
37		V'CHAL B/B	D/C	250	0	6.0	0.0	6.0
38		APL -MHG	D/C	0	1513	0.0	30.5	-30.5
39	**765 KV**	GWALIOR-AGRA	D/C	0	2484	0.0	42.7	-42.7
40		PHAGI-GWALIOR	D/C	0	484	0.0	21.5	-21.5
41	**400 KV**	ZERDA-KANKROLI	S/C	153	144	1.6	0.0	1.6
42		ZERDA -BHINMAL	S/C	106	291	0.0	0.9	-0.9
43		V'CHAL -RIHAND	S/C	0	481	21.0	0.0	21.0
44		RAPP-SHUJALPUR	D/C	0	1653	0	2	-2
45	**220 KV**	BADOD-KOTA	S/C	86	2	1.1	0.0	1.1
46		BADOD-MORAK	S/C	33	56	0.2	0.3	-0.1
47		MEHGAON-AURAIYA	S/C	82	0	1.4	0.0	1.4
48		MALANPUR-AURAIYA	S/C	42	0	0.6	0.0	0.6
49	**132KV**	GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0
					WR-NR	**31.9**	**132.7**	**-100.7**
Import/Export of WR (With SR)								
50	**HVDC LINK**	BHADRAWATI B/B	-	0	1000	0.0	23.9	-23.9
51		BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0
52	**765 KV**	SOLAPUR-RAICHUR	D/C	0	1579	0.0	25.6	-25.6
53		WARDHA-NIZAMABAD	D/C	0	1879	0.0	39.4	-39.4
54	**400 KV**	KOLHAPUR-KUDGI	D/C	511	0	3.5	0.0	3.5
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	**5.1**	**88.9**	**-83.8**
TRANSNATIONAL EXCHANGE								
58		BHUTAN						**4.0**
59		NEPAL						**-9.5**
60		BANGLADESH						**-10.8**