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: 18th Dec 2017

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 17.12.2017.

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 17-दिसम्बर - 2017 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 17th December 2017, 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** **18-Dec-17**

A. Maximum Demand

	NR	WR	SR	ER	NER	Total
Demand Met during Evening Peak hrs(MW) (at 1900 hrs; from RLDCs)	41829	43989	34389	17218	2251	139676
Peak Shortage (MW)	521	33	0	272	22	848
Energy Met (MU)	858	1045	834	323	39	3100
Hydro Gen(MU)	110	17	41	23	13	203
Wind Gen(MU)	26	82	90	----------	----------	198
Solar Gen (MU)*	3.14	14.82	36.95	0.64	0.02	56
Energy Shortage (MU)	10.5	0.0	0.0	0.8	2.2	13.6
Maximum Demand Met during the day (MW) (from NLDC SCADA)	43216	48790	38740	17045	2353	143950

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	0.042	0.00	0.35	6.04	6.39	68.02	25.59

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	4723	0	88.9	32.9	-0.8	153	0.0
	Haryana	6162	0	111.8	53.7	0.0	168	0.0
	Rajasthan	10237	0	196.4	52.9	1.3	328	0.0
	Delhi	3838	0	61.5	43.7	-0.2	213	0.0
	UP	14427	0	292.3	101.3	1.8	931	0.0
	Uttarakhand	1854	0	32.6	20.3	-1.9	47	0.0
	HP	1493	0	26.3	21.0	-0.2	136	0.0
	J&K	2102	525	44.5	41.1	-1.6	58	10.5
	Chandigarh	194	0	3.2	3.5	-0.4	24	0.0
WR	Chhattisgarh	3292	0	70.8	4.4	-0.9	96	0.0
	Gujarat	14538	0	296.8	66.3	2.1	508	0.0
	MP	9962	0	231.3	137.3	-1.5	387	0.0
	Maharashtra	19499	0	401.7	117.8	-0.6	517	0.0
	Goa	399	0	9.2	8.0	0.6	35	0.0
	DD	302	0	6.9	6.1	0.9	69	0.0
	DNH	725	0	17.1	16.8	0.3	54	0.0
	Essar steel	582	0	11.5	11.4	0.1	184	0.0
SR	Andhra Pradesh	7666	0	158.6	55.3	-0.1	515	0.0
	Telangana	7975	0	158.9	75.8	-1.9	428	0.0
	Karnataka	8657	0	187.0	72.5	1.0	440	0.0
	Kerala	3184	0	59.9	48.4	1.3	181	0.0
	Tamil Nadu	12641	0	263.9	125.0	2.2	427	0.0
	Pondy	297	0	6.0	6.9	-0.8	23	0.0
ER	Bihar	3764	100	62.5	58.0	-2.0	345	0.3
	DVC	2999	0	66.7	-33.5	-0.7	325	0.0
	Jharkhand	1112	0	24.3	13.6	1.2	175	0.5
	Odisha	3964	0	74.4	36.4	4.3	425	0.0
	West Bengal	5581	0	94.1	9.1	2.4	405	0.0
	Sikkim	91	0	1.4	1.5	-0.1	20	0.0
NER	Arunachal Pradesh	136	0	2.2	1.8	0.4	21	0.0
	Assam	1352	8	21.8	15.7	1.4	84	2.0
	Manipur	181	0	2.3	2.5	-0.2	3	0.0
	Meghalaya	275	0	6.0	2.8	-0.3	27	0.0
	Mizoram	89	0	1.6	1.0	0.4	10	0.0
	Nagaland	131	1	2.7	1.7	0.5	33	0.0
	Tripura	207	0	2.9	0.2	1.6	55	0.2

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	4.3	-7.7	-11.1
Day peak (MW)	210.2	-378.7	-615.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	127.4	-161.9	103.2	-68.5	-1.7	-1.5
Actual(MU)	117.3	-163.6	100.0	-57.6	1.2	-2.8
O/D/U/D(MU)	-10.1	-1.7	-3.2	10.9	2.9	-1.3

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	3808	15512	7772	2455	531	30078
State Sector	9180	16275	9420	6050	50	40975
Total	12988	31787	17192	8505	581	71053

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	Total
Thermal (Coal & Lignite)	513	1051	466	378	1	2410
Hydro	110	15	41	23	13	202
Nuclear	34	27	47	0	0	108
Gas, Naptha & Diesel	49	49	18	0	18	134
RES (Wind, Solar, Biomass & Others)	31	97	224	2	0	354
Total	737	1241	796	403	32	3208

***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 : **18-Dec-17**

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	317	0.0	4.4	-4.4
2		SASARAM-FATEHPUR	S/C	0	148	0.8	0.0	0.8
3		GAYA-BALIA	S/C	0	330	0.0	3.9	-3.9
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	206	0.0	0.0	0.0
7		PUSAULI -ALLAHABAD	S/C	0	104	0.0	0.0	0.0
8		MUZAFFARPUR-GORAKHPUR	D/C	0	567	0.0	6.5	-6.5
9		PATNA-BALIA	Q/C	0	962	0.0	16.8	-16.8
10		BIHARSHARIFF-BALIA	D/C	0	289	0.0	3.2	-3.2
11		MOTIHARI-GORAKHPUR	D/C	0	0	4.7	0.0	4.7
12		BIHARSHARIFF-VARANASI	D/C	0	237	0.2	0.0	0.2
13	**220 KV**	PUSAULI-SAHUPURI	S/C	0	110	0.0	1.9	-1.9
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	**6.1**	**42.8**	**-36.7**
Import/Export of ER (With WR)								
18	**765 KV**	JHARSUGUDA-DHARAMJAIGARH S/C	D/C	0	0	16.7	0.0	16.7
19		NEW RANCHI-DHARAMJAIGARH	D/C	0	402	0.0	1.5	-1.5
20	**400 KV**	ROURKELA - RAIGARH (SEL LILO BYPASS)	S/C	0	39	1.2	0.0	1.2
21		JHARSUGUDA-RAIGARH	S/C	0	0	2.7	0.0	2.7
22		IBEUL-RAIGARH	S/C	0	0	2.6	0.0	2.6
23		STERLITE-RAIGARH	D/C	0	0	1.1	0.0	1.1
24		RANCHI-SIPAT	D/C	0	25	2.7	0.0	2.7
25	**220 KV**	BUDHIPADAR-RAIGARH	S/C	0	55	0.0	0.0	0.0
26		BUDHIPADAR-KORBA	D/C	0	0	2.5	0.0	2.5
					ER-WR	**29.6**	**1.5**	**28.1**
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	349.8	0.0	15.1	-15.1
29		TALCHER-KOLAR BIPOLE	D/C	0.0	2263.3	0.0	42.2	-42.2
30	**400 KV**	TALCHER-I/C	D/C	0.0	1247.0	0.0	16.5	-16.5
31	**220 KV**	BALIMELA-UPPER-SILERRU	S/C	0.0	0.0	0.0	0.0	0.0
					ER-SR	**0.0**	**76.0**	**-76.0**
Import/Export of ER (With NER)								
32	**400 KV**	BINAGURI-BONGAIGAON	D/C	0	1242	0.0	7.2	-7
33		ALIPURDUAR-BONGAIGAON	D/C	0	992	0.0	7.2	-7
34	**220 KV**	ALIPURDUAR-SALAKATI	D/C	0	0	0.0	1.9	-2
					ER-NER	**0.0**	**16.3**	**-16.3**
Import/Export of NER (With NR)								
35	**HVDC**	BISWANATH CHARIALI-AGRA	-	0	701	0.0	15.1	-15.1
					NER-NR	**0.0**	**15.1**	**-15.1**
Import/Export of WR (With NR)								
36	**HVDC**	CHAMPA-KURUKSHETRA	D/C	64	500	0.0	21.7	-21.7
37		V'CHAL B/B	D/C	250	250	1.2	2.5	-1.3
38		APL -MHG	D/C	0	1705	0.0	29.8	-29.8
39	**765 KV**	GWALIOR-AGRA	D/C	0	2466	0.0	29.3	-29.3
40		PHAGI-GWALIOR	D/C	488	0	0.0	21.8	-21.8
41	**400 KV**	ZERDA-KANKROLI	S/C	255	0	4.7	0.0	4.7
42		ZERDA -BHINMAL	S/C	294	1	3.8	0.0	3.8
43		V'CHAL -RIHAND	S/C	490	0	21.9	0.0	21.9
44		RAPP-SHUJALPUR	D/C	63	1288	0	0	0
45	**220 KV**	BADOD-KOTA	S/C	139	0	1.9	0.0	1.9
46		BADOD-MORAK	S/C	69	32	0.5	0.1	0.4
47		MEHGAON-AURAIYA	S/C	98	0	1.5	0.0	1.5
48		MALANPUR-AURAIYA	S/C	56	0	0.6	0.0	0.6
49	**132KV**	GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0
					WR-NR	**36.4**	**105.2**	**-68.8**
Import/Export of WR (With SR)								
50	**HVDC LINK**	BHADRAWATI B/B	-	0	500	0.0	3.5	-3.5
51		BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0
52	**765 KV**	SOLAPUR-RAICHUR	D/C	0	1827	0.0	26.7	-26.7
53		WARDHA-NIZAMABAD	D/C	0	1712	0.0	41.1	-41.1
54	**400 KV**	KOLHAPUR-KUDGI	D/C	241	145	1.2	1.0	0.2
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	**2.8**	**72.4**	**-69.6**
TRANSNATIONAL EXCHANGE								
58		BHUTAN						**4.3**
59		NEPAL						**-7.7**
60		BANGLADESH						**-11.1**