



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: 28th 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., 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 27.12.2017.

महोदय/Dear Sir,

आईईजीसी-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 27-दिसम्बर - 2017 की अखिल भारतीय प्रणाली की दैनिक ग्रिड निष्पादन रिपोर्ट रांभांप्रेके 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 27th 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

28-Dec-17

A. Maximum Demand

	NR	WR	SR	ER	NER	Total
Demand Met during Evening Peak hrs(MW) (at 1900 hrs; from RLDCs)	45195	45940	38359	17268	2405	149168
Peak Shortage (MW)	837	11	0	98	57	1003
Energy Met (MU)	922	1056	896	327	41	3242
Hydro Gen(MU)	113	20	51	28	11	224
Wind Gen(MU)	3	21	48	-----	-----	71
Solar Gen (MU)*	0.63	16.99	41.06	0.68	0.02	59
Energy Shortage (MU)	14.7	0.0	0.9	0.3	0.4	16.2
Maximum Demand Met during the day (MW) (from NLDC SCADA)	46238	50572	41577	17675	2482	151778

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	0.047	0.00	0.24	12.82	13.07	72.89	14.04

C. Power Supply Position in States

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	5880	0	108.8	37.7	-0.1	180	0.0
	Haryana	6938	0	125.2	56.7	0.4	196	0.1
	Rajasthan	10390	1245	214.3	75.7	2.6	205	3.2
	Delhi	3844	0	65.6	52.7	-0.5	111	0.0
	UP	14287	310	290.3	86.5	2.0	415	0.6
	Uttarakhand	2024	0	36.3	24.4	-0.3	220	0.0
	HP	1519	0	28.1	21.5	1.4	106	0.0
	J&K	2191	548	49.5	39.7	1.2	192	10.8
	Chandigarh	214	0	3.4	3.5	-0.1	7	0.0
	Chhattisgarh	3344	0	73.2	3.6	0.6	166	0.0
WR	Gujarat	13984	0	301.4	78.4	3.0	585	0.0
	MP	12160	0	228.9	152.0	-1.9	512	0.0
	Maharashtra	19913	0	411.6	123.7	-0.5	315	0.0
	Goa	447	0	9.2	8.8	-0.1	19	0.0
	DD	325	0	7.2	6.9	0.4	65	0.0
	DNH	755	0	17.6	16.5	1.1	87	0.0
	Essar steel	384	0	7.1	6.8	0.3	158	0.0
	Andhra Pradesh	8040	0	163.0	56.7	1.3	505	0.2
	Telangana	8144	0	166.2	77.1	-1.6	314	0.1
	Karnataka	9639	0	203.1	85.4	3.2	502	0.2
SR	Kerala	3474	0	66.7	52.4	1.3	342	0.1
	Tamil Nadu	13566	0	290.5	145.8	1.5	505	0.3
	Pondy	334	0	6.6	7.2	-0.6	25	0.0
	Bihar	3903	0	65.1	60.3	-1.7	250	0.0
	DVC	2956	0	66.8	-36.1	0.8	220	0.0
ER	Jharkhand	1084	0	24.0	13.7	0.0	145	0.3
	Odisha	4378	0	75.8	35.5	2.6	300	0.0
	West Bengal	5877	0	93.4	6.0	1.5	320	0.0
	Sikkim	107	0	1.8	1.7	0.1	21	0.0
	Arunachal Pradesh	125	3	2.2	1.6	0.5	51	0.0
NER	Assam	1419	21	22.8	16.6	1.8	104	0.3
	Manipur	175	4	2.7	2.8	-0.2	4	0.0
	Meghalaya	318	0	6.3	3.5	-0.1	30	0.0
	Mizoram	88	4	1.7	0.8	0.1	4	0.0
	Nagaland	133	3	2.1	1.7	0.2	37	0.0
	Tripura	218	3	3.1	2.6	0.7	61	0.0

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	3.6	-7.5	-11.7
Day peak (MW)	184.3	-476.0	-609.6

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	166.9	-195.7	101.7	-74.2	2.6	1.2
Actual(MU)	159.6	-199.9	89.5	-66.0	4.1	-12.8
O/D/U/D(MU)	-7.3	-4.2	-12.2	8.1	1.5	-14.0

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	4031	14696	6322	2245	207	27501
State Sector	7170	16112	6960	6060	50	36352
Total	11201	30808	13282	8305	256	63853

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	Total
Thermal (Coal & Lignite)	591	1153	532	389	1	2667
Hydro	113	20	51	28	11	223
Nuclear	29	24	69	0	0	122
Gas, Naptha & Diesel	20	52	19	0	21	111
RES (Wind, Solar, Biomass & Others)	28	38	209	2	0	276
Total	781	1286	880	419	33	3399

*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 : 28-Dec-17
								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	211	0.0	5.3	-5.3
2		SASARAM-FATEHPUR	S/C	0	187	0.0	0.4	-0.4
3		GAYA-BALIA	S/C	0	312	0.0	5.5	-5.5
4	HVDC	ALIPURDUAR-AGRA	-	0	0	0.0	0.0	0.0
5		PUSAULI B/B	S/C	0	245	0.0	1.4	-1.4
6	400 KV	PUSAULI-VARANASI	S/C	0	185	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	595	0.0	7.5	-7.5
9		PATNA-BALIA	Q/C	0	1323	0.0	19.2	-19.2
10		BIHARSHARIFF-BALIA	D/C	0	323	0.0	4.0	-4.0
11		MOTIHARI-GORAKHPUR	D/C	0	0	4.8	0.0	4.8
12		BIHARSHARIFF-VARANASI	D/C	0	319	0.0	0.7	-0.7
13	220 KV	PUSAULI-SAHUPURI	S/C	0	161	0.0	2.7	-2.7
14	132 KV	SONE NAGAR-RIHAND	S/C	0	0	0.0	0.0	0.0
15		GARWAH-RIHAND	S/C	0	0	0.8	0.0	0.8
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						5.6	46.6	-41.1
Import/Export of ER (With WR)								
18	765 KV	JHARSUGUDA-DHARAMJAIGARH S/C	D/C	0	0	13.5	0.0	13.5
19	400 KV	NEW RANCHI-DHARAMJAIGARH	D/C	0	447	0.0	2.4	-2.4
20		ROURKELA - RAIGARH (SEL LILO BYPASS)	S/C	0	86	0.6	0.0	0.6
21		JHARSUGUDA-RAIGARH	S/C	0	0	1.5	0.0	1.5
22		IBEUL-RAIGARH	S/C	0	0	1.6	0.0	1.6
23		STERLITE-RAIGARH	D/C	0	0	0.0	0.0	0.0
24		RANCHI-SIPAT	D/C	0	0	3.7	0.0	3.7
25		220 KV	BUDHIPADAR-RAIGARH	S/C	0	91	0.0	0.8
26	BUDHIPADAR-KORBA		D/C	0	0	2.4	0.0	2.4
ER-WR						23.4	3.2	20.2
Import/Export of ER (With SR)								
27	765 KV	ANGUL-SRIKAKULAM	D/C	0.0	0.0	0.0	14.7	-14.7
28	HVDC LINK	JEYPORE-GAZUWAKA B/B	D/C	0.0	344.3	0.0	15.0	-15.0
29		TALCHER-KOLAR BIPOLE	D/C	0.0	2253.4	0.0	41.2	-41.2
30	400 KV	TALCHER-I/C	D/C	0.0	1343.7	0.0	19.4	-19.4
31	220 KV	BALIMELA-UPPER-SILERRU	S/C	0.0	0.0	0.0	0.0	0.0
ER-SR						0.0	70.9	-70.9
Import/Export of ER (With NER)								
32	400 KV	BINAGURI-BONGAIGAON	D/C	0	1340	0.0	8.3	-8
33		ALIPURDUAR-BONGAIGAON	D/C	0	1060	0.0	8.2	-8
34	220 KV	ALIPURDUAR-SALAKATI	D/C	0	0	0.0	2.1	-2
ER-NER						0.0	18.6	-18.6
Import/Export of NER (With NR)								
35	HVDC	BISWANATH CHARIALI-AGRA	-	0	700	0.0	13.8	-13.8
NER-NR						0.0	13.8	-13.8
Import/Export of WR (With NR)								
36	HVDC	CHAMPA-KURUKSHETRA	D/C	0	1131	0.0	47.7	-47.7
37		V'CHAL B/B	D/C	250	250	4.6	0.8	3.9
38		APL -MHG	D/C	0	1412	0.0	33.9	-33.9
39	765 KV	GWALIOR-AGRA	D/C	0	2548	0.0	39.4	-39.4
40		PHAGI-GWALIOR	D/C	492	0	0.0	20.2	-20.2
41	400 KV	ZERDA-KANKROLI	S/C	245	0	3.4	0.0	3.4
42		ZERDA -BHINMAL	S/C	172	90	0.7	0.4	0.4
43		V'CHAL -RIHAND	S/C	496	0	22.4	0.0	22.4
44		RAPP-SHUJALPUR	D/C	0	1233	0	2	-2
45	220 KV	BADOD-KOTA	S/C	110	0	1.5	0.0	1.5
46		BADOD-MORAK	S/C	47	18	0.4	0.1	0.3
47		MEHGAON-AURAIYA	S/C	190	0	2.1	0.0	2.1
48		MALANPUR-AURAIYA	S/C	59	0	0.0	0.0	0.0
49	132KV	GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0
WR-NR						35.1	144.0	-108.8
Import/Export of WR (With SR)								
50	HVDC	BHADRAWATI B/B	-	0	1000	0.0	20.6	-20.6
51	LINK	BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0
52		SOLAPUR-RAICHUR	D/C	0	1199	0.0	20.2	-20.2
53	765 KV	WARDHA-NIZAMABAD	D/C	0	1958	0.0	37.1	-37.1
54		KOLHAPUR-KUDGI	D/C	334	108	2.9	0.4	2.5
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						4.4	78.4	-73.9
TRANSNATIONAL EXCHANGE								
58		BHUTAN						3.6
59		NEPAL						-7.5
60		BANGLADESH						-11.7