



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: 29th 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 28.12.2017.

महोदय/Dear Sir,

आईईजीसी-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 28-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 28th December 2017, 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

29-Dec-17

A. Maximum Demand

	NR	WR	SR	ER	NER	Total
Demand Met during Evening Peak hrs(MW) (at 1900 hrs; from RLDCs)	44779	45357	38175	16785	2385	147481
Peak Shortage (MW)	887	11	33	0	72	1003
Energy Met (MU)	915	1060	889	325	41	3230
Hydro Gen(MU)	115	20	47	26	10	218
Wind Gen(MU)	9	34	49	-----	-----	93
Solar Gen (MU)*	0.94	17.17	39.51	1.57	0.02	59
Energy Shortage (MU)	13.1	0.0	0.0	0.0	0.5	13.6
Maximum Demand Met during the day (MW) (from NLDC SCADA)	45695	50692	40810	16910	2341	149802

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	0.033	0.00	0.00	4.02	4.02	77.30	18.68

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	5705	0	107.8	37.7	-1.8	118	0.0
	Haryana	6647	0	123.2	56.7	2.2	333	0.1
	Rajasthan	10931	501	214.7	75.7	-3.5	755	1.3
	Delhi	3716	0	65.5	52.7	-0.5	235	0.0
	UP	14292	470	291.6	86.5	0.6	545	0.9
	Uttarakhand	1999	0	35.9	24.4	-1.2	114	0.0
	HP	1510	0	27.3	21.5	1.0	192	0.0
	J&K	2107	527	46.0	39.7	1.3	161	10.9
WR	Chandigarh	207	0	3.4	3.5	-0.1	21	0.0
	Chhattisgarh	3404	0	72.5	6.9	-1.0	144	0.0
	Gujarat	14261	0	310.0	84.4	3.0	471	0.0
	MP	12278	0	229.7	149.8	-2.1	434	0.0
	Maharashtra	20097	0	406.8	121.4	-1.1	384	0.0
	Goa	451	0	9.0	8.6	-0.1	19	0.0
	DD	315	0	7.1	6.8	0.3	55	0.0
	DNH	757	0	17.6	16.8	0.9	68	0.0
SR	Essar steel	358	0	6.9	6.7	0.2	129	0.0
	Andhra Pradesh	7840	0	161.4	53.9	2.6	444	0.0
	Telangana	8283	0	165.2	75.6	-1.9	296	0.0
	Karnataka	9675	0	201.4	86.8	1.8	462	0.0
	Kerala	3458	0	65.5	53.2	0.9	205	0.0
	Tamil Nadu	13666	0	289.6	139.7	4.1	492	0.0
ER	Pondy	319	0	6.2	6.9	-0.6	16	0.0
	Bihar	3824	0	65.0	58.9	-0.6	250	0.0
	DVC	2991	0	68.5	-33.1	0.7	220	0.0
	Jharkhand	1074	0	23.7	13.8	-0.7	145	0.0
	Odisha	4228	0	76.8	37.0	2.7	300	0.0
NER	West Bengal	5420	0	89.2	6.3	0.8	320	0.0
	Sikkim	103	0	1.7	1.5	0.1	21	0.0
	Arunachal Pradesh	119	2	2.0	1.9	0.2	31	0.0
	Assam	1407	11	22.8	18.3	0.3	173	0.4
	Manipur	169	6	2.7	3.1	-0.4	21	0.0
	Meghalaya	285	11	6.2	4.0	-0.3	16	0.0
NER	Mizoram	88	5	1.8	1.1	-0.1	20	0.0
	Nagaland	132	3	2.1	1.9	-0.1	60	0.0
	Tripura	211	1	3.6	3.6	0.3	59	0.0

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	3.3	-7.6	-12.0
Day peak (MW)	206.3	-397.9	-629.5

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	163.2	-194.4	97.8	-71.0	3.0	-1.4
Actual(MU)	156.9	-199.8	79.3	-62.1	1.5	-24.2
O/D/U/D(MU)	-6.3	-5.4	-18.5	8.9	-1.5	-22.8

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	4031	14561	4622	2245	232	25690
State Sector	7035	17455	6960	7705	50	39205
Total	11066	32016	11582	9950	281	64895

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	Total
Thermal (Coal & Lignite)	587	1142	531	383	8	2651
Hydro	115	19	47	26	10	217
Nuclear	29	24	69	0	0	122
Gas, Naptha & Diesel	20	50	17	0	24	111
RES (Wind, Solar, Biomass & Others)	34	51	135	3	0	223
Total	785	1285	799	412	43	3323

*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(सि०प्र०)/
मुख्य कार्यपालक अधिकारी(पोसोको)/सभी राज्यों के मुख्य सचिव/ऊर्जा सचिव

महाप्रबंधक (रा० भा० प्रे० के०)

INTER-REGIONAL EXCHANGES								Date of Reporting : 29-Dec-17
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	311	0.0	8.4	-8.4
2		SASARAM-FATEHPUR	S/C	0	115	1.2	0.0	1.2
3		GAYA-BALIA	S/C	0	360	0.0	3.8	-3.8
4	HVDC	ALIPURDUAR-AGRA	-	0	0	0.0	1.5	-1.5
5		PUSAULI B/B	S/C	0	245	0.0	6.0	-6.0
6	400 KV	PUSAULI-VARANASI	S/C	0	187	0.0	0.0	0.0
7		PUSAULI -ALLAHABAD	S/C	0	136	0.0	0.0	0.0
8		MUZAFFARPUR-GORAKHPUR	D/C	0	524	0.0	6.5	-6.5
9		PATNA-BALIA	Q/C	0	1100	0.0	18.8	-18.8
10		BIHARSHARIFF-BALIA	D/C	0	236	0.0	3.3	-3.3
11		MOTIHARI-GORAKHPUR	D/C	0	0	4.7	0.0	4.7
12		BIHARSHARIFF-VARANASI	D/C	0	350	0.0	0.7	-0.7
13	220 KV	PUSAULI-SAHUPURI	S/C	0	162	0.0	3.0	-3.0
14	132 KV	SONE NAGAR-RIHAND	S/C	0	0	0.0	0.0	0.0
15		GARWAH-RIHAND	S/C	0	0	0.8	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						6.6	51.8	-45.2
Import/Export of ER (With WR)								
18	765 KV	JHARSUGUDA-DHARAMJAIGARH S/C	D/C	0	0	16.6	0.0	16.6
19		NEW RANCHI-DHARAMJAIGARH	D/C	0	398	0.9	0.0	0.9
20	400 KV	ROURKELA - RAIGARH (SEL LILO BYPASS)	S/C	0	49	1.2	0.0	1.2
21		JHARSUGUDA-RAIGARH	S/C	0	0	2.8	0.0	2.8
22		IBEUL-RAIGARH	S/C	0	0	2.9	0.0	2.9
23		STERLITE-RAIGARH	D/C	0	0	0.0	0.0	0.0
24		RANCHI-SIPAT	D/C	0	0	5.7	0.0	5.7
25	220 KV	BUDHIPADAR-RAIGARH	S/C	0	104	0.0	0.6	-0.6
26		BUDHIPADAR-KORBA	D/C	0	0	2.8	0.0	2.8
ER-WR						32.9	0.6	32.3
Import/Export of ER (With SR)								
27	765 KV	ANGUL-SRIKAKULAM	D/C	0.0	0.0	0.0	14.6	-14.6
28	HVDC	JEYPORE-GAZUWAKA B/B	D/C	0.0	344.3	0.0	15.6	-15.6
29	LINK	TALCHER-KOLAR BIPOLE	D/C	0.0	2260.8	0.0	45.0	-45.0
30	400 KV	TALCHER-I/C	D/C	0.0	1319.5	0.0	18.2	-18.2
31	220 KV	BALIMELA-UPPER-SILERRU	S/C	0.0	0.0	0.0	0.0	0.0
ER-SR						0.0	75.2	-75.2
Import/Export of ER (With NER)								
32	400 KV	BINAGURI-BONGAIGAON	D/C	0	1291	0.0	7.1	-7
33		ALIPURDUAR-BONGAIGAON	D/C	0	1032	0.0	7.6	-8
34	220 KV	ALIPURDUAR-SALAKATI	D/C	0	0	0.0	2.7	-3
ER-NER						0.0	17.5	-17.5
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	0	1158	0.0	35.5	-35.5
37		V'CHAL B/B	D/C	250	0	5.3	0.0	5.3
38		APL -MHG	D/C	0	1010	0.0	29.5	-29.5
39	765 KV	GWALIOR-AGRA	D/C	0	2754	0.0	41.2	-41.2
40		PHAGI-GWALIOR	D/C	486	0	0.0	21.4	-21.4
41	400 KV	ZERDA-KANKROLI	S/C	225	0	3.1	0.0	3.1
42		ZERDA -BHINMAL	S/C	246	93	1.3	0.4	1.0
43		V'CHAL -RIHAND	S/C	490	0	17.6	0.0	17.6
44		RAPP-SHUJALPUR	D/C	0	1398	0	2	-2
45	220 KV	BADOD-KOTA	S/C	102	0	1.3	0.0	1.3
46		BADOD-MORAK	S/C	27	44	0.2	0.3	-0.1
47		MEHGAON-AURAIYA	S/C	140	0	1.7	0.0	1.7
48		MALANPUR-AURAIYA	S/C	60	0	0.8	0.0	0.8
49	132KV	GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0
WR-NR						31.3	130.3	-99.0
Import/Export of WR (With SR)								
50	HVDC	BHADRAWATI B/B	-	0	1000	0.0	18.6	-18.6
51	LINK	BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0
52	765 KV	SOLAPUR-RAICHUR	D/C	0	1472	0.0	18.9	-18.9
53		WARDHA-NIZAMABAD	D/C	0	2023	0.0	33.1	-33.1
54	400 KV	KOLHAPUR-KUDGI	D/C	402	274	3.2	1.1	2.1
55		KOLHAPUR-CHIKODI	D/C	0	0	0.0	0.0	0.0
56	220 KV	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						4.7	71.7	-67.0
TRANSNATIONAL EXCHANGE								
58		BHUTAN						3.3
59		NEPAL						-7.6
60		BANGLADESH						-12.0