



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: 19th 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 18.12.2017.

महोदय/Dear Sir,

आईईजीसी-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 18-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 18th 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

19-Dec-17

A. Maximum Demand

	NR	WR	SR	ER	NER	Total
Demand Met during Evening Peak hrs(MW) (at 1900 hrs; from RLDCs)	43214	47163	38397	17292	2374	148439
Peak Shortage (MW)	811	11	83	59	54	1018
Energy Met (MU)	865	1065	876	325	40	3172
Hydro Gen(MU)	112	23	58	27	13	232
Wind Gen(MU)	17	59	55	-----	-----	130
Solar Gen (MU)*	0.83	14.46	36.15	1.23	0.02	53
Energy Shortage (MU)	12.8	0.0	0.6	0.2	2.4	15.9
Maximum Demand Met during the day (MW) (from NLDC SCADA)	43672	50176	40963	16950	2331	148659

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	0.061	0.00	0.80	12.20	13.00	68.33	18.67

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	5056	0	94.2	32.2	-0.3	147	0.0
	Haryana	6392	25	117.6	54.0	1.1	229	1.2
	Rajasthan	10791	0	198.4	59.3	2.1	294	0.0
	Delhi	3778	0	65.1	51.5	-0.1	329	0.0
	UP	13811	250	283.4	96.8	2.1	514	1.2
	Uttarakhand	1935	0	35.6	21.1	0.4	161	0.0
	HP	1526	1	26.8	21.0	0.3	131	0.1
	J&K	2145	536	40.6	41.3	-1.7	80	10.2
	Chandigarh	209	0	3.5	3.8	-0.3	10	0.0
	Chhattisgarh	3267	0	74.5	4.0	-1.9	177	0.0
WR	Gujarat	14906	0	304.8	79.3	3.4	574	0.0
	MP	12033	0	229.6	140.8	-1.6	1111	0.0
	Maharashtra	20045	0	411.2	115.9	-1.8	607	0.0
	Goa	409	0	8.8	8.5	-0.2	23	0.0
	DD	314	0	7.0	6.2	0.8	79	0.0
	DNH	748	0	17.3	16.6	0.7	73	0.0
	Essar steel	563	0	11.5	11.2	0.3	218	0.0
	Andhra Pradesh	7925	0	162.1	60.8	1.9	456	0.1
	Telangana	8274	0	165.2	75.2	0.4	389	0.1
	Karnataka	9517	0	197.9	80.5	3.0	537	0.1
SR	Kerala	3516	0	64.9	49.2	0.8	317	0.1
	Tamil Nadu	13632	0	279.5	142.3	4.8	553	0.2
	Pondy	332	0	6.5	7.2	-0.7	20	0.0
	Bihar	3720	0	65.3	58.7	0.7	385	0.0
	DVC	2859	0	65.4	-34.7	-2.6	345	0.0
ER	Jharkhand	1071	0	24.6	13.9	1.0	135	0.2
	Odisha	3918	0	68.1	28.0	3.6	456	0.0
	West Bengal	5979	0	100.3	13.2	2.3	425	0.0
	Sikkim	105	0	1.7	1.6	0.1	30	0.0
	Arunachal Pradesh	126	8	2.2	1.9	0.4	21	0.0
NER	Assam	1395	18	22.5	16.6	1.2	84	2.1
	Manipur	175	4	2.5	2.6	-0.2	3	0.0
	Meghalaya	316	0	5.4	3.4	-0.1	27	0.0
	Mizoram	91	4	1.6	1.2	0.3	10	0.0
	Nagaland	128	4	2.3	1.7	0.2	33	0.0
	Tripura	218	0	3.9	0.8	1.6	55	0.2

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	4.2	-8.4	-11.7
Day peak (MW)	199.6	-351.9	-611.8

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	137.2	-167.5	106.5	-78.3	-1.8	-3.9
Actual(MU)	128.2	-177.2	109.3	-68.6	0.3	-7.9
O/D/U/D(MU)	-8.9	-9.7	2.8	9.7	2.1	-4.1

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	3507	17186	7662	2455	485	31295
State Sector	8430	17085	8520	5660	50	39745
Total	11937	34271	16182	8115	535	71040

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	Total
Thermal (Coal & Lignite)	521	1107	513	387	0	2528
Hydro	112	21	58	27	13	231
Nuclear	34	27	46	0	0	108
Gas, Naptha & Diesel	48	54	18	0	21	142
RES (Wind, Solar, Biomass & Others)	20	73	189	2	0	284
Total	736	1283	824	416	34	3292

*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 : 19-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	244	0.0	5.0	-5.0
2		SASARAM-FATEHPUR	S/C	0	185	1.1	0.0	1.1
3		GAYA-BALIA	S/C	0	274	0.0	4.0	-4.0
4	HVDC	ALIPURDUAR-AGRA	-	0	0	0.0	0.0	0.0
5		PUSAULI B/B	S/C	0	247	0.0	5.8	-5.8
6	400 KV	PUSAULI-VARANASI	S/C	0	196	0.0	0.0	0.0
7		PUSAULI -ALLAHABAD	S/C	0	102	0.0	0.0	0.0
8		MUZAFFARPUR-GORAKHPUR	D/C	0	529	0.0	7.2	-7.2
9		PATNA-BALIA	Q/C	0	1318	0.0	21.7	-21.7
10		BIHARSHARIFF-BALIA	D/C	0	196	0.0	2.7	-2.7
11		MOTIHARI-GORAKHPUR	D/C	0	0	4.7	0.0	4.7
12		BIHARSHARIFF-VARANASI	D/C	0	206	0.1	0.0	0.1
13	220 KV	PUSAULI-SAHUPURI	S/C	0	116	0.0	2.1	-2.1
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						6.3	48.5	-42.2
Import/Export of ER (With WR)								
18	765 KV	JHARSUGUDA-DHARAMJAIGARH S/C	D/C	0	0	11.3	0.0	11.3
19	400 KV	NEW RANCHI-DHARAMJAIGARH	D/C	0	581	0.0	2.2	-2.2
20		ROURKELA - RAIGARH (SEL LILO BYPASS)	S/C	0	80	1.1	0.0	1.1
21		JHARSUGUDA-RAIGARH	S/C	0	44	1.3	0.0	1.3
22		IBEUL-RAIGARH	S/C	0	0	1.2	0.0	1.2
23		STERLITE-RAIGARH	D/C	0	0	0.0	0.0	0.0
24		RANCHI-SIPAT	D/C	0	78	2.8	0.0	2.8
25		220 KV	BUDHIPADAR-RAIGARH	S/C	0	92	0.0	0.1
26	BUDHIPADAR-KORBA		D/C	0	0	2.5	0.0	2.5
ER-WR						20.2	2.3	17.9
Import/Export of ER (With SR)								
27	765 KV	ANGUL-SRIKAKULAM	D/C	0.0	0.0	0.0	14.9	-14.9
28	HVDC LINK	JEYPORE-GAZUWAKA B/B	D/C	0.0	344.3	0.0	15.5	-15.5
29		TALCHER-KOLAR BIPOLE	D/C	0.0	2256.1	0.0	42.5	-42.5
30	400 KV	TALCHER-I/C	D/C	0.0	1101.8	0.0	14.5	-14.5
31	220 KV	BALIMELA-UPPER-SILERRU	S/C	0.0	0.0	0.0	0.0	0.0
ER-SR						0.0	72.9	-72.9
Import/Export of ER (With NER)								
32	400 KV	BINAGURI-BONGAIGAON	D/C	0	1102	0.0	6.3	-6
33		ALIPURDUAR-BONGAIGAON	D/C	0	883	0.0	6.2	-6
34	220 KV	ALIPURDUAR-SALAKATI	D/C	0	0	0.0	1.7	-2
ER-NER						0.0	14.2	-14.2
Import/Export of NER (With NR)								
35	HVDC	BISWANATH CHARIALI-AGRA	-	0	701	0.0	13.7	-13.7
NER-NR						0.0	13.7	-13.7
Import/Export of WR (With NR)								
36	HVDC	CHAMPA-KURUKSHETRA	D/C	75	700	0.0	26.7	-26.7
37		V'CHAL B/B	D/C	100	200	0.7	3.0	-2.3
38		APL -MHG	D/C	0	2016	0.0	38.1	-38.1
39	765 KV	GWALIOR-AGRA	D/C	0	2394	0.0	29.9	-29.9
40		PHAGI-GWALIOR	D/C	490	0	0.0	21.8	-21.8
41	400 KV	ZERDA-KANKROLI	S/C	332	0	5.8	0.0	5.8
42		ZERDA -BHINMAL	S/C	348	14	4.6	0.0	4.6
43		V'CHAL -RIHAND	S/C	492	0	21.8	0.0	21.8
44		RAPP-SHUJALPUR	D/C	76	1242	0	0	0
45	220 KV	BADOD-KOTA	S/C	134	0	2.4	0.0	2.4
46		BADOD-MORAK	S/C	74	0	1.0	0.0	1.0
47		MEHGAON-AURAIYA	S/C	99	0	1.7	0.0	1.7
48		MALANPUR-AURAIYA	S/C	54	0	0.8	0.0	0.8
49	132KV	GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0
WR-NR						39.2	119.6	-80.4
Import/Export of WR (With SR)								
50	HVDC	BHADRAWATI B/B	-	0	1000	0.0	19.4	-19.4
51	LINK	BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0
52		SOLAPUR-RAICHUR	D/C	0	1866	0.0	26.8	-26.8
53	765 KV	WARDHA-NIZAMABAD	D/C	0	1799	0.0	32.7	-32.7
54		KOLHAPUR-KUDGI	D/C	262	345	1.2	2.7	-1.5
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						2.8	81.6	-78.9
TRANSNATIONAL EXCHANGE								
58		BHUTAN						4.2
59		NEPAL						-8.4
60		BANGLADESH						-11.7