



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: 24th 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 23.12.2017.

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 23-दिसम्बर - 2017 की अखिल भारतीय प्रणाली की दैनिक ग्रिड निष्पादन रिपोर्ट रा०भा०प्रे०के० 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 23rd December 2017, is available at the NLDC website.

धन्यवाद,



पावर सिस्टम ऑपरेशन कारपोरेशन लिमिटेड
राष्ट्रीय भार प्रेषण केंद्र, नई दिल्ली

Report for previous day

Date of Reporting

24-Dec-17

A. Maximum Demand

	NR	WR	SR	ER	NER	Total
Demand Met during Evening Peak hrs(MW) (at 1900 hrs; from RLDCs)	43398	45955	38504	17207	2369	147433
Peak Shortage (MW)	532	23	0	0	43	597
Energy Met (MU)	897	1061	882	325	42	3207
Hydro Gen(MU)	117	23	57	31	12	238
Wind Gen(MU)	2	35	47	-----	-----	84
Solar Gen (MU)*	0.68	13.46	39.84	0.59	0.02	55
Energy Shortage (MU)	11.5	0.0	1.9	0.0	0.4	13.8
Maximum Demand Met during the day (MW) (from NLDC SCADA)	43889	50641	40783	17165	2295	149261

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	0.072	0.00	2.15	20.31	22.47	70.71	6.83

C. Power Supply Position in States

Region/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	5024	0	100.5	40.9	0.7	140	0.0
	Haryana	6618	188	125.9	63.9	1.1	201	0.2
	Rajasthan	11061	0	208.3	78.0	2.6	347	0.3
	Delhi	3699	0	62.2	49.5	-0.8	142	0.0
	UP	14005	0	289.0	90.4	0.7	595	0.4
	Uttarakhand	1926	0	35.1	23.5	-0.7	119	0.0
	HP	1546	0	27.8	22.3	0.3	138	0.0
	J&K	2127	532	44.5	41.1	-1.6	71	10.5
WR	Chhattisgarh	3354	0	71.2	2.4	-1.4	219	0.0
	Gujarat	14574	0	306.1	71.9	4.8	496	0.0
	MP	9407	0	231.9	142.7	-1.4	436	0.0
	Maharashtra	20125	0	407.7	120.2	0.0	673	0.0
	Goa	429	0	9.4	8.4	0.5	49	0.0
	DD	319	0	6.4	6.4	0.1	77	0.0
	DNH	743	0	17.1	16.3	0.8	96	0.0
	Essar steel	529	0	11.3	10.4	1.0	218	0.0
SR	Andhra Pradesh	8017	0	162.1	58.4	1.5	474	0.3
	Telangana	8303	0	163.8	73.6	-0.5	568	0.3
	Karnataka	9582	0	201.4	84.4	0.7	456	0.4
	Kerala	3431	0	66.4	50.9	0.8	176	0.2
	Tamil Nadu	13771	0	281.8	138.4	4.0	406	0.6
	Pondy	334	0	6.7	7.2	-0.5	28	0.0
ER	Bihar	3783	0	62.1	57.7	0.7	200	0.0
	DVC	2874	0	67.8	-39.1	-2.3	220	0.0
	Jharkhand	1004	0	23.8	13.1	0.3	45	0.0
	Odisha	4121	0	73.9	33.3	2.5	300	0.0
	West Bengal	5728	0	95.9	12.4	1.8	225	0.0
NER	Sikkim	100	0	1.5	1.6	-0.1	5	0.0
	Arunachal Pradesh	126	2	2.2	1.9	0.3	23	0.0
	Assam	1435	34	22.8	18.9	0.8	141	0.2
	Manipur	170	5	2.8	2.8	0.0	28	0.0
	Meghalaya	288	0	6.1	3.7	-0.1	47	0.0
	Mizoram	89	1	1.8	1.1	0.1	2	0.0
NER	Nagaland	121	1	2.6	1.9	0.2	31	0.0
	Tripura	224	1	3.6	1.4	0.4	37	0.0

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	4.1	-8.0	-9.3
Day peak (MW)	196.5	-290.2	-613.7

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	171.0	-199.5	105.7	-75.7	0.9	2.4
Actual(MU)	165.5	-209.6	103.9	-68.8	1.3	-7.7
O/D/U/D(MU)	-5.5	-10.1	-1.8	6.9	0.4	-10.1

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	4031	14301	6522	2955	110	27919
State Sector	8270	16735	7997	5160	50	38212
Total	12301	31036	14519	8115	159	66131

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	Total
Thermal (Coal & Lignite)	568	1147	516	382	1	2614
Hydro	117	21	57	31	12	237
Nuclear	29	27	62	0	0	118
Gas, Naptha & Diesel	41	51	18	0	22	132
RES (Wind, Solar, Biomass & Others)	5	48	202	1	0	257
Total	759	1294	855	415	34	3358

*Source: RLDCs for solar connected to ISTS; SLDCs for embedded solar. Limited visibility of embedded solar data.

सचिव(ऊर्जा)/संयुक्त सचिव(पारिषद)/(ओ एम)/निदेशक(ओ एम)/मुख्य अभियंता-के०वि०प्रा०(ग्रि०प्र०)/
मुख्य कार्यपालक अधिकारी(पोसोको)/सभी राज्यों के मुख्य सचिव/ऊर्जा सचिव

महाप्रबंधक (रा० भा० प्रे० के०)

INTER-REGIONAL EXCHANGES								Date of Reporting :	24-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	345	0.0	8.5	-8.5	
2		SASARAM-FATEHPUR	S/C	0	248	0.0	0.7	-0.7	
3		GAYA-BALIA	S/C	0	279	0.0	4.2	-4.2	
4	HVDC	ALIPURDUAR-AGRA	-	0	0	0.0	0.0	0.0	
5		PUSAULI B/B	S/C	0	245	0.0	1.0	-1.0	
6	400 KV	PUSAULI-VARANASI	S/C	0	200	0.0	0.0	0.0	
7		PUSAULI -ALLAHABAD	S/C	0	77	0.0	0.0	0.0	
8		MUZAFFARPUR-GORAKHPUR	D/C	0	641	0.0	7.7	-7.7	
9		PATNA-BALIA	Q/C	0	1087	0.0	19.7	-19.7	
10		BIHARSHARIFF-BALIA	D/C	0	224	0.0	3.3	-3.3	
11		MOTIHARI-GORAKHPUR	D/C	0	0	4.2	0.0	4.2	
12		BIHARSHARIFF-VARANASI	D/C	0	286	0.0	1.7	-1.7	
13	220 KV	PUSAULI-SAHUPURI	S/C	0	150	0.0	2.6	-2.6	
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						4.7	49.5	-44.8	
Import/Export of ER (With WR)									
18	765 KV	JHARSUGUDA-DHARAMJAIGARH S/C	D/C	0	0	13.0	0.0	13.0	
19		NEW RANCHI-DHARAMJAIGARH	D/C	0	520	0.0	1.5	-1.5	
20	400 KV	ROURKELA - RAIGARH (SEL LILO BYPASS)	S/C	0	100	0.9	0.0	0.9	
21		JHARSUGUDA-RAIGARH	S/C	0	11	1.9	0.0	1.9	
22		IBEUL-RAIGARH	S/C	0	0	1.9	0.0	1.9	
23		STERLITE-RAIGARH	D/C	0	0	0.0	0.0	0.0	
24		RANCHI-SIPAT	D/C	0	43	3.3	0.0	3.3	
25	220 KV	BUDHIPADAR-RAIGARH	S/C	0	97	0.0	0.5	-0.5	
26		BUDHIPADAR-KORBA	D/C	0	0	2.5	0.0	2.5	
ER-WR						23.4	1.9	21.5	
Import/Export of ER (With SR)									
27	765 KV	ANGUL-SRIKAKULAM	D/C	0.0	0.0	0.0	19.4	-19.4	
28	HVDC	JEYPORE-GAZUWAKA B/B	D/C	0.0	343.0	0.0	9.3	-9.3	
29	LINK	TALCHER-KOLAR BIPOLE	D/C	0.0	2252.9	0.0	44.1	-44.1	
30	400 KV	TALCHER-I/C	D/C	0.0	1274.8	0.0	18.4	-18.4	
31	220 KV	BALIMELA-UPPER-SILERRU	S/C	0.0	0.0	0.0	0.0	0.0	
ER-SR						0.0	72.8	-72.8	
Import/Export of ER (With NER)									
32	400 KV	BINAGURI-BONGAIGAON	D/C	0	1470	0.0	7.1	-7	
33		ALIPURDUAR-BONGAIGAON	D/C	0	1266	0.0	8.5	-8	
34	220 KV	ALIPURDUAR-SALAKATI	D/C	0	0	0.0	2.3	-2	
ER-NER						0.0	17.8	-17.8	
Import/Export of NER (With NR)									
35	HVDC	BISWANATH CHARIALI-AGRA	-	0	701	0.0	16.4	-16.4	
NER-NR						0.0	16.4	-16.4	
Import/Export of WR (With NR)									
36	HVDC	CHAMPA-KURUKSHETRA	D/C	0	1182	0.0	31.7	-31.7	
37		V'CHAL B/B	D/C	200	250	1.5	0.8	0.7	
38		APL -MHG	D/C	0	2015	0.0	36.9	-36.9	
39	765 KV	GWALIOR-AGRA	D/C	0	2282	0.0	44.1	-44.1	
40		PHAGI-GWALIOR	D/C	489	0	0.0	22.7	-22.7	
41	400 KV	ZERDA-KANKROLI	S/C	228	0	2.6	0.0	2.6	
42		ZERDA -BHINMAL	S/C	138	213	0.0	0.2	-0.2	
43		V'CHAL -RIHAND	S/C	489	0	22.4	0.0	22.4	
44		RAPP-SHUJALPUR	D/C	0	1986	0	3	-3	
45	220 KV	BADOD-KOTA	S/C	113	0	1.5	0.0	1.5	
46		BADOD-MORAK	S/C	60	10	0.5	0.0	0.5	
47		MEHGAON-AURAIYA	S/C	88	0	1.5	0.0	1.5	
48		MALANPUR-AURAIYA	S/C	41	0	0.5	0.0	0.5	
49	132KV	GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0	
WR-NR						30.5	139.2	-108.7	
Import/Export of WR (With SR)									
50	HVDC	BHADRAWATI B/B	-	0	1000	0.0	16.8	-16.8	
51	LINK	BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0	
52	765 KV	SOLAPUR-RAICHUR	D/C	0	1509	0.0	25.1	-25.1	
53		WARDHA-NIZAMABAD	D/C	0	2050	0.0	39.3	-39.3	
54	400 KV	KOLHAPUR-KUDGI	D/C	278	409	2.2	1.1	1.1	
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						3.8	82.4	-78.6	
TRANSNATIONAL EXCHANGE									
58		BHUTAN						4.1	
59		NEPAL						-8.0	
60		BANGLADESH						-9.3	