



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: 23rd 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 21.12.2017.

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 22-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 22nd 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

23-Dec-17

A. Maximum Demand

	NR	WR	SR	ER	NER	Total
Demand Met during Evening Peak hrs(MW) (at 1900 hrs; from RLDCs)	44053	46275	38410	17029	2415	148182
Peak Shortage (MW)	821	11	99	100	48	1079
Energy Met (MU)	910	1066	893	327	42	3238
Hydro Gen(MU)	114	20	64	28	12	239
Wind Gen(MU)	7	64	42	-----	-----	113
Solar Gen (MU)*	0.96	13.16	39.76	0.52	0.02	54
Energy Shortage (MU)	10.5	0.0	1.4	0.3	0.3	12.4
Maximum Demand Met during the day (MW) (from NLDC SCADA)	44584	50192	41612	16772	2339	150151

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	0.052	0.00	0.54	14.50	15.05	77.65	7.30

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	5432	0	104.5	35.1	0.8	187	0.0
	Haryana	6727	113	125.9	61.8	2.0	491	0.2
	Rajasthan	10937	0	206.1	74.8	2.1	292	0.0
	Delhi	3940	0	66.8	54.0	-0.7	196	0.0
	UP	14302	100	295.4	92.9	-0.2	750	0.0
	Uttarakhand	1972	0	36.1	24.6	-0.1	115	0.0
	HP	1538	0	27.8	21.5	0.5	157	0.0
	J&K	2123	531	43.6	40.9	-2.3	68	10.3
WR	Chhattisgarh	213	0	3.5	3.6	-0.1	12	0.0
	Chhattisgarh	3315	0	73.5	3.1	0.5	150	0.0
	Gujarat	15214	0	308.3	68.1	2.2	580	0.0
	MP	9346	0	230.2	149.8	-3.8	348	0.0
	Maharashtra	20082	0	410.0	119.1	-0.6	442	0.0
	Goa	414	0	9.2	8.4	0.2	53	0.0
	DD	317	0	7.1	6.3	0.8	61	0.0
	DNH	738	0	17.2	16.5	0.7	69	0.0
SR	Essar steel	540	0	10.5	9.6	0.9	198	0.0
	Andhra Pradesh	7920	0	161.5	61.7	0.4	465	0.2
	Telangana	8484	0	166.1	76.2	-1.9	333	0.2
	Karnataka	10100	0	206.1	83.5	3.3	544	0.3
	Kerala	3519	0	67.9	49.0	1.0	531	0.1
	Tamil Nadu	13677	0	285.0	136.8	4.5	394	0.5
ER	Pondy	336	0	6.6	7.0	-0.4	51	0.0
	Bihar	3557	100	66.8	59.0	2.4	100	0.3
	DVC	2896	0	68.1	-37.8	-2.0	50	0.0
	Jharkhand	1092	0	24.7	13.7	0.8	40	0.0
	Odisha	3702	0	65.4	27.2	1.9	450	0.0
	West Bengal	6179	0	100.8	18.6	0.4	560	0.0
NER	Sikkim	98	0	1.6	1.5	0.1	20	0.0
	Arunachal Pradesh	127	3	1.9	1.8	0.1	23	0.0
	Assam	1435	34	22.3	17.1	2.1	141	0.2
	Manipur	168	4	2.6	2.7	0.0	28	0.0
	Meghalaya	300	7	6.6	3.4	0.0	47	0.0
	Mizoram	89	2	1.6	1.1	0.1	2	0.0
NER	Nagaland	120	3	2.3	1.8	0.1	31	0.0
	Tripura	218	1	4.6	1.3	1.1	37	0.0

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	4.0	-8.1	-9.1
Day peak (MW)	205.3	-380.7	-605.8

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	165.5	-197.9	108.2	-77.4	-0.6	-2.2
Actual(MU)	156.0	-206.2	111.6	-73.3	2.3	-9.5
O/D/U/D(MU)	-9.5	-8.3	3.5	4.2	2.9	-7.3

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	4031	14701	6362	2455	253	27802
State Sector	8765	16655	8320	5160	50	38950
Total	12796	31356	14682	7615	303	66752

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	Total
Thermal (Coal & Lignite)	578	1132	535	387	1	2633
Hydro	114	19	64	28	12	238
Nuclear	29	27	47	0	0	103
Gas, Naptha & Diesel	43	49	18	0	20	130
RES (Wind, Solar, Biomass & Others)	10	77	181	2	0	270
Total	774	1305	846	417	33	3374

*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(त्रि०प्र०)/
मुख्य कार्यपालक अधिकारी(पोसोको)/सभी राज्यों के मुख्य सचिव/ऊर्जा सचिव

महाप्रबंधक (रा० भा० प्रे० के०)

INTER-REGIONAL EXCHANGES								Date of Reporting :	23-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	356	0.0	8.8	-8.8	
2		SASARAM-FATEHPUR	S/C	0	221	0.0	0.7	-0.7	
3		GAYA-BALIA	S/C	0	313	0.0	5.9	-5.9	
4	HVDC	ALIPURDUAR-AGRA	-	0	0	0.0	2.1	-2.1	
5		PUSAULI B/B	S/C	0	245	0.0	0.0	0.0	
6	400 KV	PUSAULI-VARANASI	S/C	0	192	0.0	0.1	-0.1	
7		PUSAULI -ALLAHABAD	S/C	0	80	0.0	2.3	-2.3	
8		MUZAFFARPUR-GORAKHPUR	D/C	0	585	0.0	7.2	-7.2	
9		PATNA-BALIA	Q/C	0	1082	0.0	19.9	-19.9	
10		BIHARSHARIFF-BALIA	D/C	0	202	0.0	2.9	-2.9	
11		MOTHARI-GORAKHPUR	D/C	0	0	4.7	0.0	4.7	
12		BIHARSHARIFF-VARANASI	D/C	0	293	0.0	0.6	-0.6	
13	220 KV	PUSAULI-SAHUPURI	S/C	0	149	0.0	2.4	-2.4	
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						5.2	52.9	-47.6	
Import/Export of ER (With WR)									
18	765 KV	JHARSUGUDA-DHARAMJAIGARH S/C	D/C	0	0	13.3	0.0	13.3	
19		NEW RANCHI-DHARAMJAIGARH	D/C	0	364	0.5	0.0	0.5	
20	400 KV	ROURKELA - RAIGARH (SEL LILO BYPASS)	S/C	0	89	0.8	0.0	0.8	
21		JHARSUGUDA-RAIGARH	S/C	0	35	1.5	0.0	1.5	
22		IBEUL-RAIGARH	S/C	0	0	1.5	0.0	1.5	
23		STERLITE-RAIGARH	D/C	0	0	0.0	0.0	0.0	
24		RANCHI-SIPAT	D/C	0	67	3.4	0.0	3.4	
25	220 KV	BUDHIPADAR-RAIGARH	S/C	0	81	0.0	0.4	-0.4	
26		BUDHIPADAR-KORBA	D/C	0	0	2.3	0.0	2.3	
ER-WR						23.4	0.4	23.0	
Import/Export of ER (With SR)									
27	765 KV	ANGUL-SRIKAKULAM	D/C	0.0	0.0	0.0	18.5	-18.5	
28	HVDC LINK	JEYPORE-GAZUWAKA B/B	D/C	0.0	240.7	0.0	9.3	-9.3	
29		TALCHER-KOLAR BIPOLE	D/C	0.0	2271.3	0.0	46.7	-46.7	
30	400 KV	TALCHER-I/C	D/C	0.0	1228.1	0.0	18.9	-18.9	
31	220 KV	BALIMELA-UPPER-SILERRU	S/C	0.0	0.0	0.0	0.0	0.0	
ER-SR						0.0	74.5	-74.5	
Import/Export of ER (With NER)									
32	400 KV	BINAGURI-BONGAIGAON	D/C	0	1378	0.0	8.6	-9	
33		ALIPURDUAR-BONGAIGAON	D/C	0	1113	0.0	7.7	-8	
34	220 KV	ALIPURDUAR-SALAKATI	D/C	0	0	0.0	2.1	-2	
ER-NER						0.0	18.5	-18.5	
Import/Export of NER (With NR)									
35	HVDC	BISWANATH CHARIALI-AGRA	-	0	703	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	910	0.0	21.6	-21.6	
37		V'CHAL B/B	D/C	250	250	2.3	2.0	0.3	
38		APL -MHG	D/C	0	2518	0.0	40.0	-40.0	
39	765 KV	GWALIOR-AGRA	D/C	0	2662	0.0	45.9	-45.9	
40		PHAGI-GWALIOR	D/C	486	0	0.0	23.3	-23.3	
41	400 KV	ZERDA-KANKROLI	S/C	289	18	3.3	0.0	3.3	
42		ZERDA -BHINMAL	S/C	228	166	0.8	0.0	0.8	
43		V'CHAL -RIHAND	S/C	488	0	22.1	0.0	22.1	
44		RAPP-SHUJALPUR	D/C	0	1630	0	2	-2	
45	220 KV	BADOD-KOTA	S/C	103	0	1.2	0.0	1.2	
46		BADOD-MORAK	S/C	20	31	0.2	0.2	0.0	
47		MEHGAON-AURAIYA	S/C	80	0	1.4	0.0	1.4	
48	132KV	MALANPUR-AURAIYA	S/C	36	0	0.5	0.0	0.5	
49		GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0	
WR-NR						31.9	135.1	-103.2	
Import/Export of WR (With SR)									
50	HVDC	BHADRAWATI B/B	-	0	500	0.0	11.6	-11.6	
51	LINK	BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0	
52		SOLAPUR-RAICHUR	D/C	0	1584	0.0	27.5	-27.5	
53	765 KV	WARDHA-NIZAMABAD	D/C	0	1886	0.0	40.6	-40.6	
54	400 KV	KOLHAPUR-KUDGI	D/C	360	260	1.8	1.8	0.0	
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						3.3	81.6	-78.2	
TRANSNATIONAL EXCHANGE									
58		BHUTAN						4.0	
59		NEPAL						-8.1	
60		BANGLADESH						-9.1	