



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: 15th 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., डोंगतेह, 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 14.12.2017.

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 14-दिसम्बर - 2017 की अखिल भारतीय प्रणाली के 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 14th 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

15-Dec-17

A. Maximum Demand

	NR	WR	SR	ER	NER	Total
Demand Met during Evening Peak hrs(MW) (at 1900 hrs; from RLDCs)	42196	44953	38377	17253	2311	145090
Peak Shortage (MW)	1261	34	-17	0	84	1362
Energy Met (MU)	845	1055	910	331	42	3182
Hydro Gen(MU)	112	25	72	28	13	250
Wind Gen(MU)	22	40	29	-----	-----	91
Solar Gen (MU)*	2.29	14.41	35.29	0.62	0.02	53
Energy Shortage (MU)	16.6	0.0	1.8	0.0	0.5	18.9
Maximum Demand Met during the day (MW) (from NLDC SCADA)	43682	49020	40787	17358	2288	148147

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	2.57	19.71	22.28	70.89	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	5140	0	94.4	29.5	-0.7	109	0.0
	Haryana	6028	360	108.8	55.0	1.2	212	3.2
	Rajasthan	10328	0	199.9	64.4	2.3	257	0.6
	Delhi	3673	0	64.5	46.5	0.5	282	0.0
	UP	13621	170	270.9	88.6	0.4	656	2.5
	Uttarakhand	1930	0	34.9	17.2	0.7	363	0.8
	HP	1550	0	28.1	21.3	0.8	161	0.1
	J&K	2062	516	39.7	39.8	-4.9	117	9.4
WR	Chhattisgarh	207	0	3.5	3.6	-0.1	46	0.0
	Chhattisgarh	3325	0	73.7	4.1	2.3	144	0.0
	Gujarat	13785	0	287.2	71.1	-2.4	482	0.0
	MP	9277	0	229.9	136.7	-0.8	432	0.0
	Maharashtra	20167	0	418.6	124.7	0.3	482	0.0
	Goa	480	0	10.6	9.9	0.0	34	0.0
	DD	315	0	7.1	6.4	0.7	74	0.0
	DNH	746	0	17.4	16.6	0.8	68	0.0
SR	Essar steel	498	0	10.8	10.8	0.0	179	0.0
	Andhra Pradesh	8150	0	167.3	67.6	1.4	551	0.3
	Telangana	8029	0	164.1	68.2	-0.3	287	0.3
	Karnataka	9812	0	205.5	88.8	3.0	582	0.4
	Kerala	3526	0	67.1	46.6	1.0	237	0.2
	Tamil Nadu	13868	0	298.6	158.8	7.8	381	0.6
ER	Pondy	334	0	7.1	7.3	-0.2	29	0.0
	Bihar	3677	0	62.6	58.1	-2.3	10	0.0
	DVC	2750	0	65.1	-36.1	-0.8	450	0.0
	Jharkhand	1091	0	24.4	13.5	0.4	45	0.0
	Odisha	3795	0	67.2	27.3	2.1	400	0.0
	West Bengal	6485	0	109.7	23.7	2.5	380	0.0
NER	Sikkim	96	0	1.5	1.5	0.0	25	0.0
	Arunachal Pradesh	120	2	2.1	1.9	0.2	21	0.0
	Assam	1414	13	23.4	17.6	1.8	84	0.3
	Manipur	157	2	2.7	2.8	0.0	3	0.0
	Meghalaya	264	16	5.4	2.7	0.1	27	0.0
	Mizoram	90	1	1.7	1.3	0.3	10	0.0
NER	Nagaland	120	1	2.5	1.7	0.2	33	0.0
	Tripura	215	4	3.9	2.0	0.6	55	0.0

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	4.4	-7.5	-11.8
Day peak (MW)	301.5	-431.5	-611.5

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	123.0	-162.6	105.0	-64.6	-3.6	-2.7
Actual(MU)	114.9	-161.6	107.9	-59.0	-1.8	0.4
O/D/U/D(MU)	-8.1	0.9	2.8	5.6	1.8	3.1

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	4345	16832	7272	2455	212	31116
State Sector	10000	17103	8450	5950	50	41553
Total	14345	33935	15722	8405	261	72669

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	Total
Thermal (Coal & Lignite)	529	1102	560	382	0	2574
Hydro	112	24	72	28	13	249
Nuclear	34	27	46	0	0	108
Gas, Naptha & Diesel	52	54	18	0	23	147
RES (Wind, Solar, Biomass & Others)	27	54	161	2	0	244
Total	754	1262	857	412	37	3322

*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(ग्रि०प्र०)/
मुख्य कार्यपालक अधिकारी(पोसोको)/सभी राज्यों के मुख्य सचिव/ऊर्जा सचिव

महाप्रबंधक (रा० भा० प्रे० के०)

INTER-REGIONAL EXCHANGES								Date of Reporting :	15-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	248	0.0	3.4	-3.4	
2		SASARAM-FATEHPUR	S/C	0	157	0.8	0.0	0.8	
3		GAYA-BALIA	S/C	0	206	0.0	3.0	-3.0	
4	HVDC	ALIPURDUAR-AGRA	-	0	0	0.0	4.1	-4.1	
5		PUSAULI B/B	S/C	0	245	0.0	5.9	-5.9	
6	400 KV	PUSAULI-VARANASI	S/C	0	206	0.0	0.0	0.0	
7		PUSAULI -ALLAHABAD	S/C	0	113	0.0	0.0	0.0	
8		MUZAFFARPUR-GORAKHPUR	D/C	0	597	0.0	5.4	-5.4	
9		PATNA-BALIA	Q/C	0	1124	0.0	15.0	-15.0	
10		BIHARSHARIFF-BALIA	D/C	0	216	0.0	2.0	-2.0	
11		MOTHARI-GORAKHPUR	D/C	0	0	4.1	0.0	4.1	
12		BIHARSHARIFF-VARANASI	D/C	0	322	0.8	0.0	0.8	
13	220 KV	PUSAULI-SAHUPURI	S/C	0	110	0.0	2.0	-2.0	
14	132 KV	SONE NAGAR-RIHAND	S/C	0	0	0.0	0.0	0.0	
15		GARWAH-RIHAND	S/C	0	0	0.4	0.0	0.4	
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						6.2	40.8	-34.6	
Import/Export of ER (With WR)									
18	765 KV	JHARSUGUDA-DHARAMJAIGARH S/C	D/C	0	0	16.0	0.0	16.0	
19		NEW RANCHI-DHARAMJAIGARH	D/C	0	404	0.0	0.0	0.0	
20	400 KV	ROURKELA - RAIGARH (SEL LILO BYPASS)	S/C	0	58	1.2	0.0	1.2	
21		JHARSUGUDA-RAIGARH	S/C	0	28	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	3.5	0.0	3.5	
25	220 KV	BUDHIPADAR-RAIGARH	S/C	0	62	0.0	0.1	-0.1	
26		BUDHIPADAR-KORBA	D/C	0	0	3.0	0.0	3.0	
ER-WR						26.7	0.1	26.6	
Import/Export of ER (With SR)									
27	765 KV	ANGUL-SRIKAKULAM	D/C	0.0	0.0	0.0	18.6	-18.6	
28	HVDC	JEYPORE-GAZUWAKA B/B	D/C	0.0	426.2	0.0	13.6	-13.6	
29	LINK	TALCHER-KOLAR BIPOLE	D/C	0.0	2272.5	0.0	50.2	-50.2	
30	400 KV	TALCHER-I/C	D/C	0.0	932.6	0.0	14.2	-14.2	
31	220 KV	BALIMELA-UPPER-SILERRU	S/C	0.0	0.0	0.0	0.0	0.0	
ER-SR						0.0	82.3	-82.3	
Import/Export of ER (With NER)									
32	400 KV	BINAGURI-BONGAIGAON	D/C	0	1307	0.0	7.1	-7	
33		ALIPURDUAR-BONGAIGAON	D/C	0	1083	0.0	5.1	-5	
34	220 KV	ALIPURDUAR-SALAKATI	D/C	0	0	0.0	1.7	-2	
ER-NER						0.0	13.9	-13.9	
Import/Export of NER (With NR)									
35	HVDC	BISWANATH CHARIALI-AGRA	-	0	700	0.0	15.8	-15.8	
NER-NR						0.0	15.8	-15.8	
Import/Export of WR (With NR)									
36	HVDC	CHAMPA-KURUKSHETRA	D/C	0	1577	0.0	27.1	-27.1	
37		V'CHAL B/B	D/C	50	200	0.8	0.9	-0.1	
38		APL -MHG	D/C	0	1512	0.0	29.1	-29.1	
39	765 KV	GWALIOR-AGRA	D/C	0	1844	0.0	22.9	-22.9	
40		PHAGI-GWALIOR	D/C	488	0	0.0	22.2	-22.2	
41	400 KV	ZERDA-KANKROLI	S/C	264	0	3.9	0.0	3.9	
42		ZERDA -BHINMAL	S/C	224	88	2.9	0.0	2.9	
43		V'CHAL -RIHAND	S/C	490	0	21.6	0.0	21.6	
44		RAPP-SHUJALPUR	D/C	0	1272	0	1	-1	
45	220 KV	BADOD-KOTA	S/C	121	0	1.7	0.0	1.7	
46		BADOD-MORAK	S/C	52	36	0.2	0.2	0.0	
47		MEHGAON-AURAIYA	S/C	82	0	1.4	0.0	1.4	
48	220 KV	MALANPUR-AURAIYA	S/C	40	0	0.6	0.0	0.6	
49		132KV	GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	
WR-NR						33.1	103.2	-70.0	
Import/Export of WR (With SR)									
50	HVDC	BHADRAWATI B/B	-	0	500	0.0	9.6	-9.6	
51	LINK	BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0	
52	765 KV	SOLAPUR-RAICHUR	D/C	0	1872	0.0	30.1	-30.1	
53		WARDHA-NIZAMABAD	D/C	0	2044	0.0	29.8	-29.8	
54	400 KV	KOLHAPUR-KUDGI	D/C	159	395	3.7	0.9	2.8	
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						5.2	70.4	-65.1	
TRANSNATIONAL EXCHANGE									
58		BHUTAN						4.4	
59		NEPAL						-7.5	
60		BANGLADESH						-11.8	