



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: 5th Jan 2018

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. महाप्रबंधक, ऊ.क्षे.भा.प्रे.के., 18/ ए, शहीद जीत सिंह सनसनवाल मार्ग, नई दिल्ली - 110016
General Manager, 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 04.01.2018.

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 04-जनवरी - 2018 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 4th January 2018, 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

5-Jan-18

A. Maximum Demand

	NR	WR	SR	ER	NER	Total
Demand Met during Evening Peak hrs(MW) (at 1900 hrs: from RLDCs)	44354	45419	40549	17628	2337	150288
Peak Shortage (MW)	2082	67	0	0	43	2192
Energy Met (MU)	918	1045	929	328	41	3261
Hydro Gen(MU)	113	29	55	26	9	231
Wind Gen(MU)	6	13	22	-----	-----	41
Solar Gen (MU)*	2.95	16.18	36.24	0.94	0.02	56
Energy Shortage (MU)	17.2	1.6	1.6	0.0	0.5	20.9
Maximum Demand Met during the day (MW) (from NLDC SCADA)	46163	50336	43148	17760	2287	152783

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	0.058	0.00	1.18	15.64	16.82	77.63	5.56

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	5702	0	107.6	25.7	-0.3	133	0.0
	Haryana	6495	238	122.6	70.1	0.1	195	0.1
	Rajasthan	10365	841	214.6	67.8	1.6	275	2.2
	Delhi	4022	0	67.5	55.8	-1.4	374	0.0
	UP	13939	1030	289.8	105.5	1.0	681	3.9
	Uttarakhand	2080	0	37.8	26.9	1.0	227	0.0
	HP	1521	0	27.7	22.6	0.7	156	0.0
	J&K	2217	554	46.6	43.0	-1.1	15	11.0
WR	Chandigarh	232	0	3.8	3.8	0.0	18	0.0
	Chhattisgarh	3205	226	71.0	8.8	0.0	263	1.6
	Gujarat	13683	0	297.1	81.8	3.0	738	0.0
	MP	11793	0	223.9	143.1	0.4	392	0.0
	Maharashtra	20062	0	409.9	115.7	1.2	369	0.0
	Goa	458	0	9.2	8.7	0.0	56	0.0
	DD	321	0	7.2	6.4	0.8	85	0.0
	DNH	750	0	17.4	16.8	0.6	97	0.0
SR	Essar steel	445	0	9.0	8.6	0.4	187	0.0
	Andhra Pradesh	8238	0	164.1	59.0	0.9	516	0.3
	Telangana	9376	0	182.4	106.3	-3.6	588	0.3
	Karnataka	10035	0	209.0	91.1	0.9	534	0.4
	Kerala	3471	0	66.1	53.1	0.4	275	0.1
	Tamil Nadu	14198	0	301.4	161.3	2.1	375	0.5
ER	Pondy	316	0	6.1	6.8	-0.7	16	0.0
	Bihar	4083	0	70.7	63.1	0.2	365	0.0
	DVC	3045	0	67.7	-22.5	-1.9	330	0.0
	Jharkhand	1076	0	24.1	14.0	0.8	145	0.0
	Odisha	3965	0	67.4	26.1	2.0	450	0.0
	West Bengal	6189	0	96.6	8.5	1.4	400	0.0
NER	Sikkim	108	0	1.9	1.4	0.5	20	0.0
	Arunachal Pradesh	115	1	2.2	1.8	0.4	56	0.0
	Assam	1390	25	22.7	18.3	0.9	172	0.3
	Manipur	179	0	2.8	2.9	-0.1	23	0.0
	Meghalaya	299	0	6.3	3.9	-0.1	45	0.0
	Mizoram	92	2	1.8	1.0	0.1	26	0.0
NER	Nagaland	121	0	2.3	1.8	0.2	21	0.0
	Tripura	212	0	3.1	1.6	-0.1	29	0.0

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	5.1	-10.0	-11.9
Day peak (MW)	242.1	-532.2	-622.2

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	184.1	-233.0	125.5	-77.6	-0.3	-1.3
Actual(MU)	184.9	-234.5	116.7	-69.6	0.3	-2.2
O/D/U/D(MU)	0.7	-1.5	-8.8	8.0	0.6	-0.9

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	4314	14021	5052	1720	240	25347
State Sector	10995	17967	6750	5610	50	41372
Total	15309	31988	11802	7330	289	66719

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	Total
Thermal (Coal & Lignite)	572	1185	565	399	10	2731
Hydro	113	27	55	26	9	230
Nuclear	29	24	74	0	0	126
Gas, Naptha & Diesel	23	50	21	0	25	119
RES (Wind, Solar, Biomass & Others)	33	29	105	2	0	169
Total	770	1315	819	427	44	3376

*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(ग्रि०प्रा०)/
मुख्य कार्यपालक अधिकारी(पोसोको)/सभी राज्यों के मुख्य सचिव/ऊर्जा सचिव

महाप्रबंधक (रा० भा० प्रे० के०)

INTER-REGIONAL EXCHANGES								Date of Reporting : 5-Jan-18
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	309	0.0	8.0	-8.0
2		SASARAM-FATEHPUR	S/C	0	190	0.0	1.1	-1.1
3		GAYA-BALIA	S/C	0	363	0.0	6.2	-6.2
4	HVDC	ALIPURDUAR-AGRA	-	0	0	0.0	0.0	0.0
5		PUSAULI B/B	S/C	0	144	0.0	0.5	-0.5
6	400 KV	PUSAULI-VARANASI	S/C	0	126	0.0	0.0	0.0
7		PUSAULI -ALLAHABAD	S/C	0	53	0.0	0.0	0.0
8		MUZAFFARPUR-GORAKHPUR	D/C	0	601	0.0	7.5	-7.5
9		PATNA-BALIA	Q/C	0	1073	0.0	21.7	-21.7
10		BIHARSHARIFF-BALIA	D/C	0	250	0.0	3.1	-3.1
11		MOTHARI-GORAKHPUR	D/C	0	0	5.4	0.0	5.4
12		BIHARSHARIFF-VARANASI	D/C	0	356	0.0	0.5	-0.5
13	220 KV	PUSAULI-SAHUPURI	S/C	0	0	0.0	0.0	0.0
14	132 KV	SONE NAGAR-RIHAND	S/C	0	0	0.0	0.0	0.0
15		GARWAH-RIHAND	S/C	0	0	0.5	0.0	0.5
16		KARMANASA-SAHUPURI	S/C	0	0	0.0	0.0	0.0
17		KARMANASA-CHANDAUJI	S/C	0	0	0.0	0.0	0.0
ER-NR						5.9	48.7	-42.9
Import/Export of ER (With WR)								
18	765 KV	JHARSUGUDA-DHARAMJAIGARH S/C	D/C	0	0	7.5	0.0	7.5
19		NEW RANCHI-DHARAMJAIGARH	D/C	0	287	1.8	0.0	1.8
20	400 KV	ROURKELA - RAIGARH (SEL LILO BYPASS)	S/C	0	679	4.6	0.0	4.6
21		JHARSUGUDA-RAIGARH	S/C	0	0	3.7	0.0	3.7
22		IBEUL-RAIGARH	S/C	0	43	0.0	0.1	-0.1
23		STERLITE-RAIGARH	D/C	0	0	2.1	0.0	2.1
24		RANCHI-SIPAT	D/C	0	0	0.0	0.0	0.0
25	220 KV	BUDHIPADAR-RAIGARH	S/C	0	0	0.0	0.0	0.0
26		BUDHIPADAR-KORBA	D/C	0	0	0.0	0.0	0.0
ER-WR						19.8	0.1	19.7
Import/Export of ER (With SR)								
27	765 KV	ANGUL-SRIKAKULAM	D/C	0.0	0.0	0.0	14.2	-14.2
28	HVDC LINK	JEYPORE-GAZUWAKA B/B	D/C	0.0	419.3	0.0	13.5	-13.5
29		TALCHER-KOLAR BIPOLE	D/C	0.0	2263.9	0.0	47.7	-47.7
30	400 KV	TALCHER-I/C	D/C	0.0	1235.4	0.0	16.3	-16.3
31	220 KV	BALIMELA-UPPER-SILERRU	S/C	0.0	0.0	0.0	0.0	0.0
ER-SR						0.0	75.4	-75.4
Import/Export of ER (With NER)								
32	400 KV	BINAGURI-BONGAIGAON	D/C	0	1340	0.0	7.7	-8
33		ALIPURDUAR-BONGAIGAON	D/C	0	1070	0.0	7.0	-7
34	220 KV	ALIPURDUAR-SALAKATI	D/C	0	0	0.0	1.2	-1
ER-NER						0.0	15.9	-15.9
Import/Export of NER (With NR)								
35	HVDC	BISWANATH CHARIALI-AGRA	-	0	701	0.0	15.7	-15.7
NER-NR						0.0	15.7	-15.7
Import/Export of WR (With NR)								
36	HVDC	CHAMPA-KURUKSHETRA	D/C	0	1146	0.0	41.6	-41.6
37		V'CHAL B/B	D/C	250	0	3.3	0.0	3.3
38		APL -MHG	D/C	0	2015	0.0	48.4	-48.4
39	765 KV	GWALIOR-AGRA	D/C	0	2908	0.0	49.2	-49.2
40		PHAGI-GWALIOR	D/C	479	0	0.0	23.0	-23.0
41	400 KV	ZERDA-KANKROLI	S/C	284	0	3.9	0.0	3.9
42		ZERDA -BHINMAL	S/C	227	68	1.3	0.0	1.3
43		V'CHAL -RIHAND	S/C	482	0	22.4	0.0	22.4
44		RAPP-SHUJALPUR	D/C	0	1355	0	3	-3
45	220 KV	BADOD-KOTA	S/C	101	0	1.3	0.0	1.3
46		BADOD-MORAK	S/C	15	34	0.3	0.1	0.2
47		MEHGAON-AURAIYA	S/C	82	0	1.1	0.0	1.1
48	220 KV	MALANPUR-AURAIYA	S/C	38	0	0.4	0.0	0.4
49		132KV	GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0
WR-NR						34.0	164.9	-130.9
Import/Export of WR (With SR)								
50	HVDC	BHADRAWATI B/B	-	0	1000	0.0	24.0	-24.0
51	LINK	BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0
52		765 KV	SOLAPUR-RAICHUR	D/C	0	1521	0.0	23.3
53		WARDHA-NIZAMABAD	D/C	0	2268	0.0	43.2	-43.2
54	400 KV	KOLHAPUR-KUDGI	D/C	581	0	6.4	0.0	6.4
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						7.9	90.4	-82.5
TRANSNATIONAL EXCHANGE								
58		BHUTAN						5.1
59		NEPAL						-10.0
60		BANGLADESH						-11.9