



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: 31st 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 30.01.2018.

महोदय/Dear Sir,

आईईजीसी-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 30-जनवरी - 2018 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 30th January 2018, 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

31-Jan-18

A. Maximum Demand

	NR	WR	SR	ER	NER	Total
Demand Met during Evening Peak hrs(MW) (at 1900 hrs: from RLDCs)	42976	45131	39767	17476	2359	147708
Peak Shortage (MW)	527	199	0	300	73	1099
Energy Met (MU)	902	1058	921	349	40	3270
Hydro Gen(MU)	93	21	63	26	8	210
Wind Gen(MU)	3	25	44	-----	-----	72
Solar Gen (MU)*	7.97	18.18	48.04	0.79	0.02	75
Energy Shortage (MU)	13.3	0.4	1.1	0.9	0.5	16.2
Maximum Demand Met during the day (MW) (from NLDC SCADA)	45213	50590	42550	18143	2331	153514

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	0.050	0.00	0.30	13.74	14.04	77.64	8.32

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	5078	0	101.5	24.8	-1.3	162	0.0
	Haryana	6322	0	117.9	58.5	1.0	205	0.0
	Rajasthan	10723	607	215.3	76.2	3.8	395	2.5
	Delhi	3814	0	66.5	50.3	-0.5	167	0.0
	UP	13884	560	288.4	100.2	-0.6	732	0.0
	Uttarakhand	2060	0	36.4	29.5	-0.7	178	0.0
	HP	1525	0	27.0	22.6	0.6	172	0.0
	J&K	2184	546	45.7	43.0	-1.1	83	10.8
WR	Chandigarh	227	0	3.6	3.2	0.4	44	0.0
	Chhattisgarh	3292	0	74.4	8.4	0.5	240	0.4
	Gujarat	14276	0	301.7	125.8	-0.5	278	0.0
	MP	11704	0	215.9	121.5	-0.8	537	0.0
	Maharashtra	20925	0	421.0	129.9	-1.8	304	0.0
	Goa	489	0	9.9	8.8	0.4	65	0.0
	DD	325	0	7.4	6.5	0.8	81	0.0
	DNH	755	0	17.7	16.4	1.3	85	0.0
SR	Essar steel	468	0	9.7	10.2	-0.5	120	0.0
	Andhra Pradesh	8515	0	169.2	44.1	-0.1	516	0.2
	Telangana	9091	0	183.7	76.1	4.5	323	0.2
	Karnataka	9909	0	209.6	85.9	-2.7	604	0.3
	Kerala	3524	0	67.8	49.7	1.2	189	0.1
	Tamil Nadu	13477	0	284.0	156.0	1.3	460	0.4
ER	Pondy	336	0	6.6	7.0	-0.3	29	0.0
	Bihar	3908	0	69.5	61.5	-0.3	400	0.3
	DVC	3110	0	65.3	-35.8	0.8	943	0.6
	Jharkhand	1136	0	23.9	13.8	-0.1	50	0.0
	Odisha	4139	0	73.2	21.2	-2.2	350	0.0
	West Bengal	6691	0	115.0	18.4	0.4	300	0.0
NER	Sikkim	105	0	1.5	1.8	-0.3	10	0.0
	Arunachal Pradesh	116	2	2.3	1.9	0.4	35	0.0
	Assam	1370	41	22.1	19.6	0.9	154	0.4
	Manipur	186	4	2.6	2.8	-0.2	14	0.0
	Meghalaya	306	9	5.6	3.7	-0.1	47	0.0
	Mizoram	92	6	1.8	0.9	0.1	31	0.0
NER	Nagaland	109	7	2.0	1.8	0.1	41	0.0
	Tripura	224	0	3.8	2.1	0.3	62	0.0

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	2.8	-10.5	-11.8
Day peak (MW)	124.5	-530.7	-619.6

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	183.5	-195.0	98.2	-86.1	2.9	3.4
Actual(MU)	171.7	-199.9	101.5	-79.2	2.9	-3.0
O/D/U/D(MU)	-11.8	-4.9	3.3	7.0	0.0	-6.4

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	3907	14551	7102	1220	190	26969
State Sector	9905	16695	5733	5435	50	37818
Total	13812	31246	12835	6655	239	64787

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	Total
Thermal (Coal & Lignite)	569	1152	551	431	10	2712
Hydro	93	20	63	26	8	210
Nuclear	29	24	72	0	0	124
Gas, Naptha & Diesel	24	44	18	0	23	110
RES (Wind, Solar, Biomass & Others)	37	43	130	2	0	212
Total	752	1284	834	459	40	3369

*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(मि०प्र०)/
मुख्य कार्यपालक अधिकारी(पोसोको)/सभी राज्यों के मुख्य सचिव/ऊर्जा सचिव

महाप्रबंधक (रा० भा० प्रे० के०)

INTER-REGIONAL EXCHANGES								Date of Reporting : 31-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	351	0.0	8.9	-8.9
2		SASARAM-FATEHPUR	S/C	0	200	0.0	0.7	-0.7
3		GAYA-BALIA	S/C	0	315	0.0	5.3	-5.3
4	HVDC	ALIPURDUAR-AGRA	-	0	0	0.0	0.0	0.0
5		PUSAULI B/B	S/C	0	247	0.0	6.0	-6.0
6	400 kV	PUSAULI-VARANASI	S/C	0	195	0.0	0.0	0.0
7		PUSAULI -ALLAHABAD	S/C	0	129	0.0	0.0	0.0
8		MUZAFFARPUR-GORAKHPUR	D/C	0	484	0.0	8.0	-8.0
9		PATNA-BALIA	Q/C	0	1070	0.0	17.8	-17.8
10		BIHARSHARIFF-BALIA	D/C	0	267	0.0	3.8	-3.8
11		MOTHARI-GORAKHPUR	D/C	0	0	0.0	4.9	-4.9
12		BIHARSHARIFF-VARANASI	D/C	0	166	0.0	1.0	-1.0
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	0.4	0.0	0.4
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						0.4	56.3	-55.9
Import/Export of ER (With WR)								
18	765 kV	JHARSUGUDA-DHARAMJAIGARH S/C	D/C	0	0	9.5	0.0	9.5
19		NEW RANCHI-DHARAMJAIGARH	D/C	0	351	0.0	1.4	-1.4
20	400 kV	JHARSUGUDA-RAIGARH	Q/C	0	190	0.6	0.0	0.6
21		RANCHI-SIPAT	D/C	0	54	2.2	0.0	2.2
22	220 kV	BUDHIPADAR-RAIGARH	S/C	0	194	0.0	2.8	-2.8
23		BUDHIPADAR-KORBA	D/C	0	1	1.1	0.0	1.1
ER-WR						13.4	4.2	9.2
Import/Export of ER (With SR)								
24	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	0.0	0.0	17.8	-17.8
25	HVDC	JEYPORE-GAZUWAKA B/B	D/C	0.0	291.1	0.0	13.5	-13.5
26	LINK	TALCHER-KOLAR BIPOLE	D/C	0.0	1909.9	0.0	35.2	-35.2
27	400 kV	TALCHER-I/C	D/C	0.0	462.7	3.3	3.0	0.3
28	220 kV	BALIMELA-UPPER-SILERRU	S/C	0.0	0.0	0.0	0.0	0.0
ER-SR						0.0	66.5	-66.5
Import/Export of ER (With NER)								
29	400 kV	BINAGURI-BONGAIGAON	D/C	0	548	1.3	1.4	0
30		ALIPURDUAR-BONGAIGAON	D/C	0	468	3.9		4
31	220 kV	ALIPURDUAR-SALAKATI	D/C	0	0	0.0	1.2	-1
ER-NER						5.2	2.6	2.7
Import/Export of NER (With NR)								
32	HVDC	BISWANATH CHARIALI-AGRA	-	469	0	5.0	0.0	5.0
NER-NR						5.0	0.0	5.0
Import/Export of WR (With NR)								
33	HVDC	CHAMPA-KURUKSHETRA	D/C	0	1445	0.0	47.0	-47.0
34		V'CHAL B/B	D/C	50	250	0.4	3.3	-2.9
35		APL -MHG	D/C	0	1211	0.0	16.9	-16.9
36	765 kV	GWALIOR-AGRA	D/C	0	2732	0.0	52.8	-52.8
37		PHAGI-GWALIOR	D/C	485	1616	0.0	30.8	-30.8
38	400 kV	ZERDA-KANKROLI	S/C	168	0	2.3	0.0	2.3
39		ZERDA -BHINMAL	S/C	93	139	0.0	0.1	-0.1
40		V'CHAL -RIHAND	S/C	972	0	22.2	0.0	22.2
41		RAPP-SHUJALPUR	D/C	0	1815	0	3	-3
42	220 kV	BADOD-KOTA	S/C	58	0	0.9	0.0	0.9
43		BADOD-MORAK	S/C	28	52	0.2	0.3	-0.1
44		MEHGAON-AURAIYA	S/C	89	0	1.5	0.0	1.5
45		MALANPUR-AURAIYA	S/C	44	0	0.7	0.0	0.7
46	132kV	GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0
WR-NR						28.1	154.3	-126.2
Import/Export of WR (With SR)								
47	HVDC	BHADRAWATI B/B	-	0	1000	0.0	22.7	-22.7
48	LINK	BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0
49	765 kV	SOLAPUR-RAICHUR	D/C	855	1113	0.0	11.2	-11.2
50		WARDHA-NIZAMABAD	D/C	0	2473	0.0	34.8	-34.8
51	400 kV	KOLHAPUR-KUDGI	D/C	499	179	1.6	1.4	0.1
52	220 kV	KOLHAPUR-CHIKODI	D/C	0	0	0.0	0.0	0.0
53		PONDA-AMBEWADI	S/C	0	0	0.0	0.0	0.0
54		XELDEM-AMBEWADI	S/C	89	0	1.3	0.0	1.3
WR-SR						2.8	70.1	-67.3
TRANSNATIONAL EXCHANGE								
55		BHUTAN						2.8
56		NEPAL						-10.5
57		BANGLADESH						-11.8