



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: 30th 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 29.01.2018.

महोदय/Dear Sir,

आईईजीसी-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 29-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 29th 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

30-Jan-18

A. Maximum Demand

	NR	WR	SR	ER	NER	Total
Demand Met during Evening Peak hrs(MW) (at 1900 hrs: from RLDCs)	43873	44735	39702	17409	2398	148116
Peak Shortage (MW)	546	55	0	0	37	639
Energy Met (MU)	904	1047	905	347	40	3243
Hydro Gen(MU)	95	21	55	28	8	208
Wind Gen(MU)	3	13	47	-----	-----	64
Solar Gen (MU)*	6.51	17.29	38.52	0.77	0.02	63
Energy Shortage (MU)	15.7	0.0	0.8	0.0	0.7	17.2
Maximum Demand Met during the day (MW) (from NLDC SCADA)	45629	50471	42083	18057	2297	151344

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	0.039	0.00	0.30	8.95	9.25	78.97	11.78

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	5198	0	101.2	16.4	-0.1	140	0.0
	Haryana	6610	0	115.5	56.2	1.8	248	0.2
	Rajasthan	10666	618	209.1	70.9	3.5	462	4.5
	Delhi	4030	0	67.4	52.9	-0.1	259	0.0
	UP	13871	0	295.9	106.1	1.2	1030	0.0
	Uttarakhand	2048	0	37.5	29.1	0.6	195	0.0
	HP	1492	0	26.7	22.1	0.8	228	0.0
	J&K	2229	557	46.7	42.6	0.3	124	11.0
WR	Chandigarh	242	0	3.7	3.4	0.2	54	0.0
	Chhattisgarh	3320	0	74.1	6.1	-1.8	144	0.0
	Gujarat	14143	0	297.1	135.5	1.7	526	0.0
	MP	11391	0	213.4	126.1	-2.6	289	0.0
	Maharashtra	20567	0	417.7	131.8	2.7	379	0.0
	Goa	473	0	9.6	8.5	0.5	51	0.0
	DD	327	0	7.3	6.7	0.6	63	0.0
	DNH	769	0	17.5	16.5	1.0	79	0.0
SR	Essar steel	520	0	10.1	10.0	0.1	159	0.0
	Andhra Pradesh	8474	0	166.8	45.3	-1.7	377	0.1
	Telangana	8948	0	176.7	69.1	-1.2	380	0.1
	Karnataka	9865	0	207.6	89.6	-1.7	549	0.2
	Kerala	3529	0	66.5	50.5	1.5	268	0.1
	Tamil Nadu	13695	0	281.2	150.3	1.3	518	0.3
ER	Pondy	316	0	6.3	6.9	-0.5	33	0.0
	Bihar	4424	0	69.2	62.5	-1.6	194	0.0
	DVC	3172	0	69.1	-37.7	-1.0	145	0.0
	Jharkhand	1088	0	23.8	14.0	-0.4	71	0.0
	Odisha	4112	0	77.5	24.8	-2.2	310	0.0
	West Bengal	6016	0	105.9	19.7	2.5	374	0.0
NER	Sikkim	107	0	1.9	1.8	0.1	15	0.0
	Arunachal Pradesh	120	4	1.9	1.8	0.1	35	0.0
	Assam	1427	4	22.2	18.6	1.6	154	0.6
	Manipur	184	3	2.6	2.7	-0.1	14	0.0
	Meghalaya	316	0	5.5	3.1	-0.1	47	0.0
	Mizoram	87	4	1.7	0.7	0.3	31	0.0
NER	Nagaland	112	2	2.0	1.6	0.3	41	0.0
	Tripura	226	1	3.6	1.0	1.0	62	0.0

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	3.2	-8.7	-12.5
Day peak (MW)	151.3	-458.7	-619.7

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	171.4	-175.8	89.3	-88.2	4.0	0.6
Actual(MU)	168.1	-178.9	83.2	-84.2	6.5	-5.3
O/D/U/D(MU)	-3.3	-3.0	-6.1	4.0	2.5	-5.9

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	4407	14366	6082	1220	190	26264
State Sector	9110	17300	6433	5355	50	38248
Total	13517	31666	12515	6575	239	64512

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	Total
Thermal (Coal & Lignite)	578	1136	567	428	10	2719
Hydro	95	21	55	28	8	208
Nuclear	29	24	72	0	0	125
Gas, Naptha & Diesel	23	41	18	0	18	100
RES (Wind, Solar, Biomass & Others)	36	30	124	2	0	192
Total	761	1252	837	458	36	3344

*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 : 30-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	330	0.0	8.6	-8.6
2		SASARAM-FATEHPUR	S/C	0	200	0.0	1.0	-1.0
3		GAYA-BALIA	S/C	0	270	0.0	6.6	-6.6
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	182	0.0	0.0	0.0
7		PUSAULI -ALLAHABAD	S/C	0	138	0.0	0.0	0.0
8		MUZAFFARPUR-GORAKHPUR	D/C	0	520	0.0	8.4	-8.4
9		PATNA-BALIA	Q/C	0	1205	0.0	19.5	-19.5
10		BIHARSHARIFF-BALIA	D/C	0	273	0.0	6.1	-6.1
11		MOTIHARI-GORAKHPUR	D/C	0	0	0.0	4.7	-4.7
12		BIHARSHARIFF-VARANASI	D/C	0	131	0.0	1.8	-1.8
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-CHANDAULI	S/C	0	0	0.0	0.0	0.0
ER-NR						0.5	62.7	-62.2
Import/Export of ER (With WR)								
18	765 kV	JHARSUGUDA-DHARAMJAIGARH S/C	D/C	0	0	5.6	0.0	5.6
19		NEW RANCHI-DHARAMJAIGARH	D/C	0	543	0.0	5.0	-5.0
20	400 kV	JHARSUGUDA-RAIGARH	Q/C	0	242	0.6	0.0	0.6
21		RANCHI-SIPAT	D/C	0	102	1.5	0.0	1.5
22	220 kV	BUDHIPADAR-RAIGARH	S/C	0	175	0.0	2.7	-2.7
23		BUDHIPADAR-KORBA	D/C	0	0	1.3	0.0	1.3
ER-WR						9.0	7.7	1.3
Import/Export of ER (With SR)								
24	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	0.0	0.0	16.9	-16.9
25	HVDC	JEYPORE-GAZUWAKA B/B	D/C	0.0	345.7	0.0	15.2	-15.2
26	LINK	TALCHER-KOLAR BIPOLE	D/C	0.0	1885.7	0.0	32.2	-32.2
27	400 kV	TALCHER-I/C	D/C	0.0	168.3	6.6	1.6	5.0
28	220 kV	BALIMELA-UPPER-SILERRU	S/C	0.0	0.0	0.0	0.0	0.0
ER-SR						0.0	64.3	-64.3
Import/Export of ER (With NER)								
29	400 kV	BINAGURI-BONGAIGAON	D/C	0	233	2.0	0.0	2
30		ALIPURDUAR-BONGAIGAON	D/C	0	217	3.9		4
31	220 kV	ALIPURDUAR-SALAKATI	D/C	0	0	0.0	0.9	-1
ER-NER						5.9	0.9	5.0
Import/Export of NER (With NR)								
32	HVDC	BISWANATH CHARIALI-AGRA	-	495	0	11.7	0.0	11.7
NER-NR						11.7	0.0	11.7
Import/Export of WR (With NR)								
33	HVDC	CHAMPA-KURUKSHETRA	D/C	0	1442	0.0	59.8	-59.8
34		V'CHAL B/B	D/C	450	100	2.2	0.7	1.6
35		APL -MHG	D/C	0	708	0.0	15.9	-15.9
36	765 kV	GWALIOR-AGRA	D/C	0	2454	0.0	47.9	-47.9
37		PHAGI-GWALIOR	D/C	478	1372	0.0	28.1	-28.1
38	400 kV	ZERDA-KANKROLI	S/C	257	0	3.7	0.0	3.7
39		ZERDA -BHINMAL	S/C	186	59	1.7	0.0	1.7
40		V'CHAL -RIHAND	S/C	961	0	21.8	0.0	21.8
41		RAPP-SHUJALPUR	D/C	0	1566	0	3	-3
42	220 kV	BADOD-KOTA	S/C	67	0	0.3	0.0	0.3
43		BADOD-MORAK	S/C	41	16	0.3	0.1	0.2
44		MEHGAON-AURAIYA	S/C	196	0	2.2	0.0	2.2
45		MALANPUR-AURAIYA	S/C	50	4	0.6	0.0	0.6
46	132kV	GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0
WR-NR						32.8	154.9	-122.1
Import/Export of WR (With SR)								
47	HVDC	BHADRAWATI B/B	-	0	1000	0.0	19.7	-19.7
48	LINK	BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0
49	765 kV	SOLAPUR-RAICHUR	D/C	602	1160	0.0	8.0	-8.0
50		WARDHA-NIZAMABAD	D/C	0	2138	0.0	31.9	-31.9
51	400 kV	KOLHAPUR-KUDGI	D/C	504	11	4.3	0.1	4.2
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	73	0	1.5	0.0	1.5
WR-SR						5.8	59.6	-53.7
TRANSNATIONAL EXCHANGE								
55		BHUTAN						3.2
56		NEPAL						-8.7
57		BANGLADESH						-12.5