



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 2019

To,

- कार्यकारी निदेशक, पू.क्षे.भा.प्रे.के., 14, गोल्फ क्लब रोड, कोलकाता - 700033
Executive Director, ERLDC, 14 Golf Club Road, Tolleygunge, Kolkata, 700033
- 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
- 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
- मुख्य महाप्रबंधक, ऊ. पू.क्षे.भा.प्रे.के., डोंगतिह, लोअर नोंग्रह, लापलंग, शिलोंग - 793006
Chief General Manager, NERLDC, Dongteih, Lower Nongrah, Lapalang, Shillong - 793006, Meghalaya
- कार्यकारी निदेशक, द.क्षे.भा.प्रे.के., 29, रेस कोर्स क्रॉस रोड, बंगलुरु -560009
Executive Director, SRLDC, 29, Race Course Cross Road, Bangalore-560009

Sub: Daily PSP Report for the date 29.01.2019.

महोदय/Dear Sir,

आईईजीसी-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 29-जनवरी-2019 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 2019, 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

30-Jan-19

A. Maximum Demand

	NR	WR	SR	ER	NER	Total
Demand Met during Evening Peak hrs(MW) (at 1900 hrs; from RLDCs)	45047	46902	40892	18292	2247	153380
Peak Shortage (MW)	1002	200	0	0	164	1366
Energy Met (MU)	930	1076	884	370	42	3302
Hydro Gen (MU)	117	26	68	27	7	245
Wind Gen (MU)	3	57	36	-----	-----	96
Solar Gen (MU)*	22.93	23.56	64.11	0.96	0.03	112
Energy Shortage (MU)	14.5	0.2	0.0	0.0	0.5	15.3
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	45763 18:31	53388 10:58	41182 07:48	18508 19:12	2323 17:42	155697 18:51

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	2.19	11.64	13.83	72.45	13.72

C. Power Supply Position in States

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	5511	0	109.7	33.2	0.2	132	0.0	
	Haryana	6740	0	125.6	74.4	1.9	283	0.1	
	Rajasthan	12180	0	236.7	62.7	0.8	256	0.0	
	Delhi	4197	0	71.7	56.1	-1.1	126	0.0	
	UP	12881	390	264.7	97.3	0.7	213	2.9	
	Uttarakhand	2196	0	38.6	24.1	1.4	233	0.3	
	HP	1686	0	30.2	24.1	1.0	182	0.0	
	J&K	2568	642	48.9	45.4	-2.2	131	11.2	
WR	Chandigarh	238	0	3.8	3.8	0.0	25	0.0	
	Chhattisgarh	3460	0	75.1	34.1	0.1	269	0.2	
	Gujarat	15335	0	322.3	81.8	2.0	717	0.0	
	MP	12692	0	233.3	128.4	-0.5	561	0.0	
	Maharashtra	19954	0	399.5	104.5	0.5	667	0.0	
	Goa	452	0	11.5	10.7	0.2	47	0.0	
	DD	289	0	5.5	5.5	0.0	58	0.0	
	DNH	779	0	18.2	18.0	0.2	56	0.0	
SR	Essar steel	511	0	10.4	10.1	0.3	322	0.0	
	Andhra Pradesh	6934	0	148.1	62.3	-0.3	527	0.0	
	Telangana	7782	0	157.0	54.2	-0.5	432	0.0	
	Karnataka	10980	0	204.5	73.4	-0.4	443	0.0	
	Kerala	3704	0	70.1	54.1	0.7	253	0.0	
	Tamil Nadu	14209	0	297.2	151.2	-1.0	398	0.0	
	Pondy	368	0	7.3	7.4	-0.2	55	0.0	
	ER	Bihar	3986	0	72.6	68.0	-0.6	460	0.0
DVC		3106	0	66.3	-45.6	0.0	396	0.0	
Jharkhand		1078	0	23.9	19.2	0.2	169	0.0	
Odisha		3966	0	80.3	31.6	-0.2	267	0.0	
West Bengal		6741	0	125.4	28.3	1.1	309	0.0	
Sikkim		100	0	1.5	1.6	-0.1	18	0.0	
NER		Arunachal Pradesh	112	2	2.1	1.9	0.2	48	0.0
		Assam	1314	74	23.6	18.0	1.4	105	0.5
	Manipur	192	4	2.5	2.8	-0.4	28	0.0	
	Meghalaya	350	0	6.3	5.1	-0.2	48	0.0	
	Mizoram	104	2	1.8	1.5	0.3	31	0.0	
	Nagaland	117	2	2.2	1.9	0.2	49	0.0	
	Tripura	226	1	3.6	3.5	0.7	49	0.0	

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	1.3	-5.9	-14.6
Day peak (MW)	116.4	-315.0	-810.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	162.9	-212.1	114.7	-67.6	2.2	0.1
Actual(MU)	158.3	-207.6	109.8	-65.7	3.7	-1.5
O/D/U/D(MU)	-4.6	4.5	-4.9	1.9	1.5	-1.6

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	3659	15176	7112	1720	315	27982
State Sector	10290	17249	8390	4455	50	40434
Total	13949	32425	15502	6175	365	68415

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Coal	538	1126	473	435	9	2581
Lignite	20	15	47	0	0	82
Hydro	117	26	68	27	7	245
Nuclear	24	30	32	0	0	85
Gas, Naptha & Diesel	27	36	18	0	26	107
RES (Wind, Solar, Biomass & Others)	56	83	142	1	0	283
Total	784	1315	780	462	42	3383

Share of RES in total generation (%)	7.19	6.30	18.27	0.22	0.07	8.35
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	25.24	10.51	31.07	5.95	16.77	18.11

H. Diversity Factor

All India Demand Diversity Factor	1.035
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Diversity factor = Sum of regional maximum demands / All India maximum demand

*Source: RLDCs for solar connected to ISTS; SLDCs for embedded solar. Limited visibility of embedded solar data.

INTER-REGIONAL EXCHANGES

Date of Reporting : 30-Jan-19

Import=(+ve)
/Export =(-ve)
for NET (MU)

Sl No	Voltage Level	Line Details	Circuit	Max Import (MW)	Max Export (MW)	Import (MU)	Export (MU)	NET (MU)
Import/Export of ER (With NR)								
1	765kV	GAYA-VARANASI	D/C	0	771	0.0	11.1	-11.1
2		SASARAM-FATEHPUR	S/C	0	359	0.0	4.1	-4.1
3		GAYA-BALIA	S/C	0	337	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	148	0.0	3.6	-3.6
6	400 kV	PUSAULI-VARANASI	S/C	0	104	0.0	1.8	-1.8
7		PUSAULI -ALLAHABAD	S/C	0	106	0.0	1.6	-1.6
8		MUZAFFARPUR-GORAKHPUR	D/C	0	590	0.0	7.8	-7.8
9		PATNA-BALIA	Q/C	0	969	0.0	18.0	-18.0
10		BIHARSHARIFF-BALIA	D/C	0	335	0.0	4.9	-4.9
11		MOTIHARI-GORAKHPUR	D/C	0	387	0.0	7.3	-7.3
12		BIHARSHARIFF-VARANASI	D/C	36	271	0.0	3.0	-3.0
13	220 kV	PUSAULI-SAHUPURI	S/C	2	142	0.0	1.7	-1.7
14	132 kV	SONE NAGAR-RIHAND	S/C	0	0	0.0	0.0	0.0
15		GARWAH-RIHAND	S/C	25	0	0.6	0.0	0.6
16		KARMANASA-SAHUPURI	S/C	40	0	0.0	0.0	0.0
17		KARMANASA-CHANDAULI	S/C	0	0	0.0	0.0	0.0
ER-NR						0.6	71.1	-70.5
Import/Export of ER (With WR)								
18	765 kV	JHARSUGUDA-DHARAMJAIGARH S/C	D/C	1744	0	31.4	0.0	31.4
19		NEW RANCHI-DHARAMJAIGARH	D/C	443	304	1.8	0.0	1.8
20	400 kV	JHARSUGUDA-RAIGARH	Q/C	266	100	1.9	0.0	1.9
21		RANCHI-SIPAT	D/C	186	59	1.7	0.0	1.7
22	220 kV	BUDHIPADAR-RAIGARH	S/C	18	56	0.0	0.5	-0.5
23		BUDHIPADAR-KORBA	D/C	100	0	1.4	0.0	1.4
ER-WR						38.2	0.5	37.7
Import/Export of ER (With SR)								
24	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	1709.0	0.0	26.6	-26.6
25	HVDC	JEYPORE-GAZUWAKA B/B	D/C	0.0	685.0	0.0	16.0	-16.0
26	LINK	TALCHER-KOLAR BIPOLE	D/C	0.0	1982.0	0.0	47.0	-47.0
27	400 kV	TALCHER-I/C	D/C	0.0	427.0	0.0	4.8	-4.8
28	220 kV	BALIMELA-UPPER-SILERRU	S/C	1.0	0.0	0.0	0.0	0.0
ER-SR						0.0	89.6	-89.6
Import/Export of ER (With NER)								
29	400 kV	BINAGURI-BONGAIGAON	D/C	270	0	4.5	0.0	4
30		ALIPURDUAR-BONGAIGAON	D/C	379	0	6.5	0.0	7
31	220 kV	ALIPURDUAR-SALAKATI	D/C	88	0	0.6	0.0	1
ER-NER						11.6	0.0	11.6
Import/Export of NER (With NR)								
32	HVDC	BISWANATH CHARIALI-AGRA	-	663	0	16.2	0.0	16.2
NER-NR						16.2	0.0	16.2
Import/Export of WR (With NR)								
33	HVDC	CHAMPA-KURUKSHETRA	D/C	0	1357	0.0	27.4	-27.4
34		V'CHAL B/B	D/C	242	0	6.0	0.0	6.0
35	765 kV	APL -MHG	D/C	0	1080	0.0	13.0	-13.0
36		GWALIOR-AGRA	D/C	0	1103	0.0	40.2	-40.2
37		PHAGI-GWALIOR	D/C	0	930	0.0	17.3	-17.3
38		JABALPUR-ORAI	D/C	0	699	0.0	25.2	-25.2
39		GWALIOR-ORAI	S/C	659	0	10.0	0.0	10.0
40		SATNA-ORAI	S/C	0	1215	0.0	25.8	-25.8
41		ZERDA-KANKROLI	S/C	41	170	0.0	1.7	-1.7
42	400 kV	ZERDA -BHINMAL	S/C	0	336	0.0	5.1	-5.1
43		V'CHAL -RIHAND	S/C	974	0	21.0	0.0	21.0
44		RAPP-SHUJALPUR	D/C	148	129	0	0	0
45	220 kV	BADOD-KOTA	S/C	70	26	0.7	0.0	0.7
46		BADOD-MORAK	S/C	19	84	0.0	0.6	-0.5
47		MEHGAON-AURAIYA	S/C	99	0	1.1	0.0	1.1
48		MALANPUR-AURAIYA	S/C	42	29	0.2	0.1	0.1
49	132kV	GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0
WR-NR						39.1	156.3	-117.2
Import/Export of WR (With SR)								
50	HVDC	BHADRAWATI B/B	-	0	1002	0.0	23.9	-23.9
51	LINK	BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0
52	765 kV	SOLAPUR-RAICHUR	D/C	0	1631	0.0	22.2	-22.2
53		WARDHA-NIZAMABAD	D/C	0	2304	0.0	27.8	-27.8
54	400 kV	KOLHAPUR-KUDGI	D/C	791	0	10.4	0.0	10.4
55		KOLHAPUR-CHIKODI	D/C	0	0	0.0	0.0	0.0
56	220 kV	PONDA-AMBEWADI	S/C	0	74	0.0	1.3	-1.3
57		XELDEM-AMBEWADI	S/C	0	53	0.9	0.0	0.9
WR-SR						11.3	75.2	-63.8
TRANSNATIONAL EXCHANGE								
58		BHUTAN						1.3
59		NEPAL						-5.9
60		BANGLADESH						-14.6