



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: 29th 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 28.01.2019.

महोदय/Dear Sir,

आईईजीसी-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 28-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 28th 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

29-Jan-19

A. Maximum Demand

	NR	WR	SR	ER	NER	Total
Demand Met during Evening Peak hrs(MW) (at 1900 hrs; from RLDCs)	43155	46572	40273	18257	2422	150679
Peak Shortage (MW)	1490	0	0	129	38	1657
Energy Met (MU)	910	1059	867	368	43	3247
Hydro Gen (MU)	118	23	75	23	7	247
Wind Gen (MU)	5	82	39	-----	-----	126
Solar Gen (MU)*	25.80	23.10	40.89	0.90	0.03	91
Energy Shortage (MU)	14.1	0.2	0.0	0.4	0.1	14.8
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	44135 18:41	53019 10:31	40635 09:55	18633 18:45	2453 17:42	153864 09:27

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	0.057	0.00	1.02	12.33	13.34	67.62	19.04

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	5539	0	104.6	34.3	-0.2	87	0.0
	Haryana	6447	0	118.9	74.8	1.0	244	0.0
	Rajasthan	12096	0	232.8	61.3	-0.2	328	0.0
	Delhi	4179	0	71.8	56.3	-0.7	175	0.0
	UP	12748	0	261.4	97.7	-0.1	255	2.4
	Uttarakhand	2144	0	38.5	24.7	0.0	175	0.0
	HP	1608	6	29.6	23.6	0.7	121	0.2
	J&K	2356	589	48.5	45.7	-3.9	23	11.5
WR	Chandigarh	237	0	3.8	3.8	0.0	22	0.0
	Chhattisgarh	3400	0	73.7	31.9	0.7	226	0.2
	Gujarat	15101	0	317.3	72.6	0.1	540	0.0
	MP	12612	0	228.3	113.0	-0.1	590	0.0
	Maharashtra	19568	0	394.1	104.9	1.1	647	0.0
	Goa	452	0	9.8	10.2	0.3	121	0.0
	DD	317	0	6.9	6.8	0.1	66	0.0
	DNH	775	0	17.9	17.5	0.4	117	0.0
SR	Essar steel	547	0	11.2	11.4	-0.2	261	0.0
	Andhra Pradesh	7134	0	149.2	63.3	0.9	701	0.0
	Telangana	7103	0	141.7	57.8	0.3	797	0.0
	Karnataka	10946	0	205.3	73.3	0.3	866	0.0
	Kerala	3593	0	68.8	49.7	0.7	178	0.0
	Tamil Nadu	14111	0	295.0	156.8	-0.2	431	0.0
	Pondy	359	0	7.1	7.2	-0.2	39	0.0
	Bihar	4063	0	72.2	66.7	0.3	460	0.0
ER	DVC	3148	0	66.5	-45.7	-0.1	396	0.0
	Jharkhand	1121	129	21.6	19.7	-0.1	169	0.4
	Odisha	3993	0	82.3	30.5	-0.2	267	0.0
	West Bengal	6817	0	124.4	25.0	0.4	309	0.0
	Sikkim	94	0	1.3	1.5	-0.2	18	0.0
NER	Arunachal Pradesh	114	3	2.2	2.0	0.2	42	0.0
	Assam	1395	23	23.9	18.5	1.2	84	0.1
	Manipur	176	2	2.8	2.9	0.0	18	0.0
	Meghalaya	338	0	6.3	5.1	-0.1	45	0.0
	Mizoram	99	3	1.9	1.6	0.1	17	0.0
	Nagaland	128	3	2.1	1.9	0.0	47	0.0
	Tripura	232	0	3.9	3.6	0.7	32	0.0

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	1.3	-6.7	-15.2
Day peak (MW)	98.6	-323.0	-822.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	161.7	-220.6	119.2	-63.4	2.9	-0.1
Actual(MU)	155.8	-225.0	119.9	-56.4	3.7	-2.0
O/D/U/D(MU)	-5.9	-4.4	0.6	6.9	0.8	-1.9

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	3160	14276	7112	1720	290	26558
State Sector	10040	16294	8620	4375	50	39379
Total	13200	30570	15732	6095	340	65936

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Coal	523	1095	460	425	9	2511
Lignite	22	14	50	0	0	86
Hydro	118	23	75	23	7	247
Nuclear	24	29	32	0	0	85
Gas, Naptha & Diesel	30	35	19	0	27	111
RES (Wind, Solar, Biomass & Others)	60	108	121	1	0	290
Total	777	1305	756	449	43	3330

Share of RES in total generation (%)	7.77	8.27	16.03	0.20	0.07	8.72
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	26.05	12.29	30.11	5.40	17.16	18.68

H. Diversity Factor

All India Demand Diversity Factor	1.033
-----------------------------------	-------

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 :	29-Jan-19
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	675	0.0	9.5	-9.5	
2		SASARAM-FATEHPUR	S/C	0	257	0.0	3.0	-3.0	
3		GAYA-BALIA	S/C	0	360	0.0	6.1	-6.1	
4	HVDC	ALIPURDUAR-AGRA	-	0	0	0.0	0.0	0.0	
5		PUSAULI B/B	S/C	0	147	0.0	3.6	-3.6	
6	400 kV	PUSAULI-VARANASI	S/C	0	116	0.0	2.1	-2.1	
7		PUSAULI-ALLAHABAD	S/C	0	89	0.0	1.3	-1.3	
8		MUZAFFARPUR-GORAKHPUR	D/C	10	454	0.0	5.4	-5.4	
9		PATNA-BALIA	Q/C	0	793	0.0	15.1	-15.1	
10		BIHARSHARIFF-BALIA	D/C	0	287	0.0	4.2	-4.2	
11		MOTIHARI-GORAKHPUR	D/C	0	378	0.0	7.0	-7.0	
12		BIHARSHARIFF-VARANASI	D/C	61	175	0.0	1.6	-1.6	
13	220 kV	PUSAULI-SAHUPURI	S/C	0	143	0.0	2.7	-2.7	
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	34	0	0.6	0.0	0.6	
17		KARMANASA-CHANDAULI	S/C	0	0	0.0	0.0	0.0	
ER-NR						1.1	61.8	-60.6	
Import/Export of ER (With WR)									
18	765 kV	JHARSUGUDA-DHARAMJAIGARH S/C	D/C	1842	0	32.0	0.0	32.0	
19		NEW RANCHI-DHARAMJAIGARH	D/C	379	324	4.9	0.0	4.9	
20	400 kV	JHARSUGUDA-RAIGARH	Q/C	302	117	2.7	0.0	2.7	
21		RANCHI-SIPAT	D/C	229	65	2.8	0.0	2.8	
22	220 kV	BUDHIPADAR-RAIGARH	S/C	29	60	0.0	0.5	-0.5	
23		BUDHIPADAR-KORBA	D/C	116	9	1.4	0.0	1.4	
ER-WR						43.8	0.5	43.3	
Import/Export of ER (With SR)									
24	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	1612.0	0.0	26.2	-26.2	
25	HVDC	JEYPORE-GAZUWAKA B/B	D/C	0.0	685.0	0.0	15.3	-15.3	
26	LINK	TALCHER-KOLAR BIPOLE	D/C	0.0	1983.0	0.0	48.0	-48.0	
27	400 kV	TALCHER-I/C	D/C	0.0	557.0	0.0	10.5	-10.5	
28	220 kV	BALIMELA-UPPER-SILERRU	S/C	1.0	0.0	0.0	0.0	0.0	
ER-SR						0.0	89.5	-89.5	
Import/Export of ER (With NER)									
29	400 kV	BINAGURI-BONGAIGAON	D/C	237	29	3.6	0.0	4	
30		ALIPURDUAR-BONGAIGAON	D/C	360	0	5.7	0.0	6	
31	220 kV	ALIPURDUAR-SALAKATI	D/C	55	23	0.6	0.0	1	
ER-NER						9.9	0.0	9.9	
Import/Export of NER (With NR)									
32	HVDC	BISWANATH CHARIALI-AGRA	-	655	0	13.6	0.0	13.6	
NER-NR						13.6	0.0	13.6	
Import/Export of WR (With NR)									
33	HVDC	CHAMPA-KURUKSHETRA	D/C	0	1506	0.0	28.4	-28.4	
34		VCHAL B/B	D/C	241	0	6.0	0.0	6.0	
35		APL -MHG	D/C	0	1917	0.0	15.6	-15.6	
36	765 kV	GWALIOR-AGRA	D/C	0	1099	0.0	38.3	-38.3	
37		PHAGI-GWALIOR	D/C	0	924	0.0	14.0	-14.0	
38		JABALPUR-ORAI	D/C	0	659	0.0	22.4	-22.4	
39		GWALIOR-ORAI	S/C	594	0	9.6	0.0	9.6	
40		SATNA-ORAI	S/C	0	1208	0.0	24.6	-24.6	
41		400 kV	ZERDA-KANKROLI	S/C	84	618	0.0	1.6	-1.6
42			ZERDA -BHINMAL	S/C	0	376	0.0	4.8	-4.8
43	VCHAL -RIHAND		S/C	964	0	20.5	0.0	20.5	
44	RAPP-SHUJALPUR		D/C	136	150	0	0	0	
45	220 kV	BADOD-KOTA	S/C	47	27	0.4	0.1	0.3	
46		BADOD-MORAK	S/C	6	92	0.0	0.9	-0.9	
47		MEHGAON-AURAIYA	S/C	100	0	1.1	0.0	1.1	
48		MALANPUR-AURAIYA	S/C	44	29	0.2	0.1	0.2	
49	132kV	GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0	
WR-NR						38.0	150.9	-112.9	
Import/Export of WR (With SR)									
50	HVDC	BHADRAWATI B/B	-	0	999	0.0	23.7	-23.7	
51	LINK	BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0	
52	765 kV	SOLAPUR-RAICHUR	D/C	0	2157	0.0	29.6	-29.6	
53		WARDHA-NIZAMABAD	D/C	0	1898	0.0	29.0	-29.0	
54	400 kV	KOLHAPUR-KUDGI	D/C	811	0	12.0	0.0	12.0	
55		KOLHAPUR-CHIKODI	D/C	0	0	0.0	0.0	0.0	
56	220 kV	PONDA-AMBEWADI	S/C	0	68	0.0	1.1	-1.1	
57		XELDEM-AMBEWADI	S/C	0	49	0.8	0.0	0.8	
WR-SR						12.8	83.3	-70.5	
TRANSNATIONAL EXCHANGE									
58		BHUTAN						1.3	
59		NEPAL						-6.7	
60		BANGLADESH						-15.2	