



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: 09thJan 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
- कार्यकारी निदेशक, ऊ.पू.क्षे.भा.प्रे.के., डोंगतिह, लोअर नोंग्रह, लापलंग, शिलोंग - 793006
Executive Director, 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 08.01.2019.

महोदय/Dear Sir,

आईईंजींसीं-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 08-जनवरी-2019 की अखिल भारतीय प्रणाली की दैनिक ग्रिड निष्पादन रिपोर्ट रांभांप्रेंकें 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 08th 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

9-Jan-19

A. Maximum Demand

	NR	WR	SR	ER	NER	Total
Demand Met during Evening Peak hrs(MW) (at 1900 hrs: from RLDCs)	47177	48795	40517	17963	2357	156809
Peak Shortage (MW)	584	0	0	0	27	611
Energy Met (MU)	969	1118	916	349	41	3393
Hydro Gen (MU)	109	24	76	26	8	242
Wind Gen (MU)	8	38	29	-----	-----	75
Solar Gen (MU)*	20.86	20.55	74.14	0.86	0.02	116
Energy Shortage (MU)	9.7	0.9	0.0	0.0	0.6	11.2
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	47631 18:28	56107 10:36	43074 09:27	18067 18:22	2407 17:38	160052 09:45

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	0.038	0.00	0.05	6.46	6.50	74.31	19.19

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	5635	0	112.7	28.7	-0.2	80	0.0	
	Haryana	6877	0	131.5	68.7	1.2	230	0.1	
	Rajasthan	12413	0	242.1	60.7	0.3	304	0.0	
	Delhi	4167	0	68.7	53.1	-0.2	229	0.0	
	UP	14300	0	289.2	104.4	0.1	364	0.6	
	Uttarakhand	2148	0	39.7	24.5	0.0	114	0.1	
	HP	1632	0	30.1	24.9	0.2	95	0.1	
	J&K	2398	600	51.3	46.9	0.2	88	8.8	
	Chandigarh	258	0	4.1	3.9	0.3	64	0.0	
	WR	Chhattisgarh	3728	0	79.0	31.8	-0.1	255	0.9
Gujarat		15183	0	323.3	76.6	3.4	618	0.0	
MP		13497	0	256.0	144.7	-0.1	597	0.0	
Maharashtra		20526	0	415.4	97.2	-0.2	462	0.0	
Goa		473	0	9.1	9.0	0.1	30	0.0	
DD		291	0	6.6	6.5	0.1	48	0.0	
DNH		751	0	17.5	17.4	0.2	91	0.0	
Essar steel		547	0	10.6	11.1	-0.5	237	0.0	
SR		Andhra Pradesh	8059	0	163.3	80.7	0.3	420	0.0
		Telangana	9101	0	182.0	77.4	0.3	436	0.0
	Karnataka	11066	0	207.5	72.7	-0.3	645	0.0	
	Kerala	3199	0	59.8	48.5	0.0	158	0.0	
	Tamil Nadu	14132	0	296.5	138.0	0.6	453	0.0	
	Pondy	354	0	7.2	7.3	-0.1	60	0.0	
	ER	Bihar	4179	0	74.6	70.2	-0.6	460	0.0
DVC		3101	0	65.1	-29.4	-0.5	396	0.0	
Jharkhand		1130	0	24.6	17.5	0.5	169	0.0	
Odisha		3618	0	70.4	23.9	-0.1	267	0.0	
West Bengal		6268	0	112.6	30.5	-2.0	309	0.0	
Sikkim		93	0	1.4	2.1	-0.8	18	0.0	
NER	Arunachal Pradesh	124	2	2.4	1.7	0.7	77	0.0	
	Assam	1334	13	22.1	16.8	0.8	79	0.3	
	Manipur	208	3	2.9	3.0	-0.1	22	0.0	
	Meghalaya	355	0	6.4	4.7	0.0	59	0.0	
	Mizoram	104	2	1.7	1.4	0.2	20	0.0	
	Nagaland	116	3	2.1	1.9	0.1	24	0.2	
	Tripura	218	1	3.4	1.5	-0.1	49	0.0	

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	1.7	-7.0	-14.0
Day peak (MW)	82.2	-314.0	-816.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	161.1	-197.6	100.6	-71.0	6.6	-0.3
Actual(MU)	155.7	-202.3	110.8	-69.3	7.1	2.0
O/D/U/D(MU)	-5.3	-4.7	10.3	1.6	0.5	2.3

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	4415	17081	7552	1370	463	30881
State Sector	8890	13936	9940	5175	50	37991
Total	13305	31017	17492	6545	513	68872

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Coal	591	1157	501	428	6	2683
Lignite	24	15	52	0	0	91
Hydro	109	24	76	26	8	242
Nuclear	24	31	32	0	0	87
Gas, Naptha & Diesel	31	53	20	0	24	129
RES (Wind, Solar, Biomass & Others)	57	60	144	1	0	261
Total	836	1341	824	455	38	3493

Share of RES in total generation (%)	6.77	4.50	17.44	0.20	0.05	7.48
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	22.70	8.61	30.47	5.91	20.45	16.91

H. Diversity Factor

All India Demand Diversity Factor	1.045
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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 : 9-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	609	0.0	9.3	-9.3	
2		SASARAM-FATEHPUR	S/C	24	186	0.0	1.7	-1.7	
3		GAYA-BALIA	S/C	0	376	0.0	6.7	-6.7	
4		ALIPURDUAR-AGRA	-	0	0	0.0	0.0	0.0	
5	400 kV	PUSAULI B/B	S/C	0	148	0.0	3.7	-3.7	
6		PUSAULI-VARANASI	S/C	0	127	0.0	2.3	-2.3	
7		PUSAULI -ALLAHABAD	S/C	0	87	0.0	1.1	-1.1	
8		MUZAFFARPUR-GORAKHPUR	D/C	0	515	0.0	5.9	-5.9	
9		PATNA-BALIA	Q/C	0	921	0.0	18.6	-18.6	
10		BIHARSHARIFF-BALIA	D/C	0	250	0.0	3.1	-3.1	
11		MOTIHARI-GORAKHPUR	D/C	0	371	0.0	7.2	-7.2	
12		BIHARSHARIFF-VARANASI	D/C	123	122	0.0	0.0	0.0	
13		220 kV	PUSAULI-SAHUPURI	S/C	0	144	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	0	40	0.0	0.0	0.0
17	KARMANASA-CHANDAULI		S/C	0	0	0.0	0.0	0.0	
ER-NR						0.7	62.3	-61.6	
Import/Export of ER (With WR)									
18	765 kV	JHARSUGUDA-DHARAMJAIGARH S/C	D/C	1196	0	17.3	0.0	17.3	
19		NEW RANCHI-DHARAMJAIGARH	D/C	491	299	4.0	0.0	4.0	
20	400 kV	JHARSUGUDA-RAIGARH	Q/C	33	164	0.0	1.8	-1.8	
21		RANCHI-SIPAT	D/C	208	59	2.0	0.0	2.0	
22	220 kV	BUDHIPADAR-RAIGARH	S/C	0	105	0.0	0.7	-0.7	
23		BUDHIPADAR-KORBA	D/C	55	62	0.0	0.1	-0.1	
ER-WR						23.4	2.5	20.9	
Import/Export of ER (With SR)									
24	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	1488.0	0.0	20.4	-20.4	
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	1974.0	0.0	45.8	-45.8	
27	400 kV	TALCHER-I/C	D/C	0.0	586.0	0.0	0.7	-0.7	
28	220 kV	BALIMELA-UPPER-SILERRU	S/C	1.0	0.0	0.0	0.0	0.0	
ER-SR						0.0	82.2	-82.2	
Import/Export of ER (With NER)									
29	400 kV	BINAGURI-BONGAIGAON	D/C	157	17	1.6	0.0	2	
30		ALIPURDUAR-BONGAIGAON	D/C	260	0	3.4	0.0	3	
31	220 kV	ALIPURDUAR-SALAKATI	D/C	33	29	0.2	0.0	0	
ER-NER						5.2	0.0	5.2	
Import/Export of NER (With NR)									
32	HVDC	BISWANATH CHARIALI-AGRA	-	656	0	12.5	0.0	12.5	
NER-NR						12.5	0.0	12.5	
Import/Export of WR (With NR)									
33	HVDC	CHAMPA-KURUKSHETRA	D/C	0	603	0.0	14.5	-14.5	
34		V'CHAL B/B	D/C	241	0	6.0	0.0	6.0	
35		APL -MHG	D/C	0	1176	0.0	26.3	-26.3	
36		GWALIOR-AGRA	D/C	0	1202	0.0	42.3	-42.3	
37	765 kV	PHAGI-GWALIOR	D/C	0	1115	0.0	17.7	-17.7	
38		JABALPUR-ORAI	D/C	0	710	0.0	26.3	-26.3	
39		GWALIOR-ORAI	S/C	640	0	11.4	0.0	11.4	
40		SATNA-ORAI	S/C	0	1227	0.0	26.4	-26.4	
41		400 kV	ZERDA-KANKROLI	S/C	68	138	0.0	1.3	-1.3
42			ZERDA -BHINMAL	S/C	0	317	0.0	4.4	-4.4
43	V'CHAL -RIHAND		S/C	976	0	21.8	0.0	21.8	
44	RAPP-SHUJALPUR		D/C	244	27	1	0	1	
45	220 kV	BADOD-KOTA	S/C	8	45	0.8	0.0	0.8	
46		BADOD-MORAK	S/C	0	130	0.0	1.6	-1.6	
47		MEHGAON-AURAIYA	S/C	112	0	1.4	0.0	1.4	
48		MALANPUR-AURAIYA	S/C	56	22	0.4	0.0	0.4	
49	132kV	GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0	
WR-NR						42.9	160.8	-118.0	
Import/Export of WR (With SR)									
50	HVDC	BHADRAWATI B/B	-	0	999	0.0	23.0	-23.0	
51	LINK	BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0	
52	765 kV	SOLAPUR-RAICHUR	D/C	341	2242	0.0	26.1	-26.1	
53		WARDHA-NIZAMABAD	D/C	0	2178	0.0	27.0	-27.0	
54	400 kV	KOLHAPUR-KUDGI	D/C	1056	0	11.3	0.0	11.3	
55		KOLHAPUR-CHIKODI	D/C	0	0	0.0	0.0	0.0	
56	220 kV	PONDA-AMBEWADI	S/C	1	0	0.0	0.0	0.0	
57		XELDEM-AMBEWADI	S/C	0	63	1.1	0.0	1.1	
WR-SR						12.4	76.0	-63.6	
TRANSNATIONAL EXCHANGE									
58		BHUTAN						1.7	
59		NEPAL						-7.0	
60		BANGLADESH						-14.0	