



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: 10thJan 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 09.01.2019.

महोदय/Dear Sir,

आईईंजींसीं-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 09-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 09th 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

10-Jan-19

A. Maximum Demand

	NR	WR	SR	ER	NER	Total
Demand Met during Evening Peak hrs(MW) (at 1900 hrs; from RLDCs)	46734	48343	40753	17741	2319	158890
Peak Shortage (MW)	727	0	0	100	95	922
Energy Met (MU)	973	1118	911	343	41	3386
Hydro Gen (MU)	110	30	73	28	8	249
Wind Gen (MU)	5	34	30	-----	-----	69
Solar Gen (MU)*	20.45	20	74.37	0.86	0.04	116
Energy Shortage (MU)	14.6	0.1	0.0	0.3	0.8	15.8
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	46221 18:47	55329 09:02	42830 09:44	18202 19:31	2342 17:37	160471 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	0.043	0.00	0.57	11.26	11.83	75.79	12.38

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	5649	0	113.5	23.2	0.4	330	0.0	
	Haryana	6802	0	131.0	67.9	1.5	367	0.7	
	Rajasthan	12181	16	243.4	60.0	-0.1	600	0.0	
	Delhi	4234	0	71.1	53.2	0.6	274	0.0	
	UP	13961	130	289.2	107.7	1.1	578	3.3	
	Uttarakhand	2220	0	39.6	24.5	0.4	247	0.1	
	HP	1685	0	30.3	24.9	0.0	351	0.0	
	J&K	2477	619	51.3	46.5	0.6	292	10.5	
WR	Chandigarh	238	0	3.9	3.9	-0.1	95	0.0	
	Chhattisgarh	3748	0	80.0	32.1	-0.2	285	0.1	
	Gujarat	15165	0	322.5	77.1	1.9	866	0.0	
	MP	13890	0	257.0	145.4	-0.4	650	0.0	
	Maharashtra	20527	0	415.3	101.1	-0.3	455	0.0	
	Goa	473	0	8.9	9.0	-0.1	31	0.0	
	DD	290	0	6.7	6.6	0.1	24	0.0	
	DNH	745	0	17.4	17.3	0.1	68	0.0	
SR	Essar steel	498	0	10.3	10.2	0.1	240	0.0	
	Andhra Pradesh	8000	0	161.2	79.1	0.1	847	0.0	
	Telangana	9156	0	180.5	76.4	-0.2	455	0.0	
	Karnataka	10873	0	206.0	70.6	0.2	384	0.0	
	Kerala	3222	0	59.9	48.5	0.0	184	0.0	
	Tamil Nadu	14104	0	296.1	136.5	-0.9	417	0.0	
	Pondy	371	0	7.4	7.5	-0.2	47	0.0	
	ER	Bihar	4337	0	74.9	71.3	-0.7	460	0.0
DVC		3077	0	65.1	-29.8	0.0	396	0.0	
Jharkhand		1133	100	24.4	18.6	0.4	169	0.3	
Odisha		3750	0	68.9	23.5	0.1	267	0.0	
West Bengal		6266	0	108.2	25.0	-0.9	309	0.0	
Sikkim		94	0	1.4	1.9	-0.5	18	0.0	
NER		Arunachal Pradesh	110	3	2.1	1.8	0.3	49	0.0
		Assam	1318	57	21.8	15.8	0.6	103	0.7
	Manipur	210	2	2.8	3.0	-0.1	34	0.0	
	Meghalaya	371	0	6.7	4.8	0.0	51	0.0	
	Mizoram	98	2	1.7	1.5	0.0	19	0.0	
	Nagaland	107	4	2.0	1.9	0.1	8	0.0	
	Tripura	213	2	3.6	1.5	-0.1	35	0.0	

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	1.7	-6.9	-13.8
Day peak (MW)	86.3	-317.0	-808.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	148.8	-191.7	115.7	-76.4	3.6	-0.1
Actual(MU)	152.2	-197.7	112.6	-71.6	3.7	-0.8
O/D/U/D(MU)	3.4	-5.9	-3.1	4.8	0.1	-0.7

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	3730	17311	8052	1370	206	30669
State Sector	9390	14106	10400	5175	50	39121
Total	13120	31417	18452	6545	256	69789

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Coal	598	1154	483	426	8	2669
Lignite	26	15	55	0	0	96
Hydro	110	30	73	28	8	249
Nuclear	24	31	31	0	0	86
Gas, Naptha & Diesel	33	52	20	0	25	130
RES (Wind, Solar, Biomass & Others)	55	56	144	1	0	256
Total	846	1339	806	455	41	3487

Share of RES in total generation (%)	6.45	4.19	17.87	0.20	0.10	7.33
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	22.36	8.77	30.71	6.41	20.15	16.96

H. Diversity Factor

All India Demand Diversity Factor	1.028
-----------------------------------	-------

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 : 10-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	520	0.0	6.2	-6.2
2		SASARAM-FATEHPUR	S/C	47	161	0.0	1.3	-1.3
3		GAYA-BALIA	S/C	0	364	0.0	6.4	-6.4
4		ALIPURDUAR-AGRA	-	0	0	0.0	0.0	0.0
5		PUSAULI B/B	S/C	0	149	0.0	3.5	-3.5
6	400 kV	PUSAULI-VARANASI	S/C	0	138	0.0	2.6	-2.6
7		PUSAULI -ALLAHABAD	S/C	0	62	0.0	0.9	-0.9
8		MUZAFFARPUR-GORAKHPUR	D/C	0	466	0.0	6.6	-6.6
9		PATNA-BALIA	Q/C	0	962	0.0	20.1	-20.1
10		BIHARSHARIFF-BALIA	D/C	0	230	0.0	3.9	-3.9
11		MOTIHARI-GORAKHPUR	D/C	0	348	0.0	6.9	-6.9
12		BIHARSHARIFF-VARANASI	D/C	129	66	0.2	0.0	0.2
13	220 kV	PUSAULI-SAHUPURI	S/C	0	135	0.0	2.3	-2.3
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	109	124	0.6	0.0	0.6
17		KARMANASA-CHANDAULI	S/C	0	0	0.0	0.0	0.0
ER-NR						1.3	60.7	-59.4
Import/Export of ER (With WR)								
18	765 kV	JHARSUGUDA-DHARAMJAIGARH S/C	D/C	1348	0	19.5	0.0	19.5
19		NEW RANCHI-DHARAMJAIGARH	D/C	341	241	1.2	0.0	1.2
20	400 kV	JHARSUGUDA-RAIGARH	Q/C	49	181	0.0	2.1	-2.1
21		RANCHI-SIPAT	D/C	181	40	1.9	0.0	1.9
22	220 kV	BUDHIPADAR-RAIGARH	S/C	10	45	0.0	0.2	-0.2
23		BUDHIPADAR-KORBA	D/C	95	25	0.7	0.0	0.7
ER-WR						23.4	2.3	21.1
Import/Export of ER (With SR)								
24	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	1621.0	0.0	24.6	-24.6
25	HVDC	JEYPORE-GAZUWAKA B/B	D/C	0.0	684.0	0.0	16.0	-16.0
26	LINK	TALCHER-KOLAR BIPOLE	D/C	0.0	1981.0	0.0	47.9	-47.9
27	400 kV	TALCHER-I/C	D/C	0.0	77.0	0.0	2.9	-2.9
28	220 kV	BALIMELA-UPPER-SILERRU	S/C	1.0	0.0	0.0	0.0	0.0
ER-SR						0.0	88.5	-88.5
Import/Export of ER (With NER)								
29	400 kV	BINAGURI-BONGAIGAON	D/C	175	53	2.4	0.0	2
30		ALIPURDUAR-BONGAIGAON	D/C	283	0	4.3	0.0	4
31	220 kV	ALIPURDUAR-SALAKATI	D/C	53	32	0.4	0.0	0
ER-NER						7.1	0.0	7.1
Import/Export of NER (With NR)								
32	HVDC	BISWANATH CHARIALI-AGRA	-	489	0	11.6	0.0	11.6
NER-NR						11.6	0.0	11.6
Import/Export of WR (With NR)								
33	HVDC	CHAMPA-KURUKSHETRA	D/C	0	605	0.0	15.4	-15.4
34		V'CHAL B/B	D/C	241	0	6.0	0.0	6.0
35		APL -MHG	D/C	0	1175	0.0	25.8	-25.8
36		GWALIOR-AGRA	D/C	0	1062	0.0	38.5	-38.5
37	765 kV	PHAGI-GWALIOR	D/C	0	929	0.0	16.2	-16.2
38		JABALPUR-ORAI	D/C	0	715	0.0	24.5	-24.5
39		GWALIOR-ORAI	S/C	655	0	11.0	0.0	11.0
40		SATNA-ORAI	S/C	0	1170	0.0	24.1	-24.1
41		ZERDA-KANKROLI	S/C	73	116	0.0	0.9	-0.9
42	400 kV	ZERDA -BHINMAL	S/C	7	288	0.0	4.1	-4.1
43		V'CHAL -RIHAND	S/C	976	0	21.8	0.0	21.8
44		RAPP-SHUJALPUR	D/C	286	17	1	0	1
45	220 kV	BADOD-KOTA	S/C	26	25	1.2	0.0	1.2
46		BADOD-MORAK	S/C	9	112	0.0	1.1	-1.1
47		MEHGAON-AURAIYA	S/C	112	0	1.5	0.0	1.5
48	132kV	MALANPUR-AURAIYA	S/C	56	14	0.5	0.0	0.5
49		GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0
WR-NR						43.1	150.7	-107.6
Import/Export of WR (With SR)								
50	HVDC	BHADRAWATI B/B	-	0	1002	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	116	2481	0.0	29.1	-29.1
53		WARDHA-NIZAMABAD	D/C	0	2239	0.0	27.5	-27.5
54	400 kV	KOLHAPUR-KUDGI	D/C	963	0	11.4	0.0	11.4
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	65	1.1	0.0	1.1
WR-SR						12.6	80.3	-67.7
TRANSNATIONAL EXCHANGE								
58		BHUTAN						1.7
59		NEPAL						-6.9
60		BANGLADESH						-13.8