



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: 06thJan 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 05.01.2019.

महोदय/Dear Sir,

आईईंजींसी-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 05-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 05th 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

6-Jan-19

A. Maximum Demand

	NR	WR	SR	ER	NER	Total
Demand Met during Evening Peak hrs(MW) (at 1900 hrs: from RLDCs)	45471	47876	40840	18197	2407	154791
Peak Shortage (MW)	961	0	0	120	35	1116
Energy Met (MU)	941	1120	909	358	44	3371
Hydro Gen (MU)	107	30	73	21	8	238
Wind Gen (MU)	12	21	50	-----	-----	83
Solar Gen (MU)*	16.78	19.48	72.99	0.82	0.05	110
Energy Shortage (MU)	11.2	0.4	0.0	0.4	0.2	12.1
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	45689 18:16	55159 09:46	43210 08:22	18786 18:53	2469 17:32	158702 09:29

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	0.049	0.00	0.94	6.11	7.05	68.45	24.50

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	5554	0	108.4	26.9	-0.1	127	0.0
	Haryana	6636	238	124.6	63.7	0.3	105	1.2
	Rajasthan	11834	0	234.2	62.0	-1.3	207	0.0
	Delhi	4093	0	68.2	51.8	-0.4	231	0.0
	UP	13946	150	289.5	112.3	0.4	798	0.0
	Uttarakhand	2216	0	39.6	24.1	0.8	160	0.1
	HP	1668	0	30.7	26.1	-0.5	173	0.0
WR	J&K	2398	600	42.0	40.9	-4.1	175	9.9
	Chandigarh	225	0	3.8	3.7	0.1	29	0.0
	Chhattisgarh	3510	0	78.6	19.6	-0.5	434	0.3
	Gujarat	15404	0	325.2	85.3	1.4	491	0.0
	MP	14362	0	260.4	148.2	-1.6	610	0.0
	Maharashtra	20447	0	411.8	101.9	-0.1	573	0.0
	Goa	451	0	9.8	8.8	0.5	54	0.0
	DD	318	0	7.1	6.9	0.2	57	0.0
	DNH	734	0	17.1	16.7	0.3	73	0.0
	Essar steel	488	0	9.5	9.1	0.4	252	0.0
SR	Andhra Pradesh	7981	0	165.5	66.0	0.5	533	0.0
	Telangana	9323	0	185.8	71.8	0.7	511	0.0
	Karnataka	10892	0	204.8	71.0	0.6	553	0.0
	Kerala	3388	0	63.6	53.9	-0.1	214	0.0
	Tamil Nadu	13617	0	281.3	126.7	0.8	950	0.0
	Pondy	376	0	7.6	7.7	-0.1	40	0.0
ER	Bihar	4293	0	74.5	72.1	-2.8	460	0.0
	DVC	3103	0	65.7	-30.4	0.1	396	0.0
	Jharkhand	1165	120	24.4	18.1	0.5	169	0.4
	Odisha	3958	0	74.9	23.7	-0.2	267	0.0
	West Bengal	6492	0	117.3	29.3	0.7	309	0.0
NER	Sikkim	94	0	1.4	1.8	-0.4	18	0.0
	Arunachal Pradesh	110	2	2.1	1.7	0.4	33	0.0
	Assam	1378	21	23.9	17.4	1.7	130	0.1
	Manipur	189	3	2.8	2.9	-0.2	27	0.0
	Meghalaya	351	0	6.7	5.3	0.1	48	0.0
	Mizoram	104	1	1.9	1.3	0.3	16	0.0
	Nagaland	115	2	2.1	1.9	0.1	25	0.0
Tripura	231	3	4.1	1.4	0.6	58	0.0	

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	0.9	-6.8	-12.1
Day peak (MW)	121.0	-301.0	-802.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	182.4	-195.8	77.1	-66.9	3.3	0.0
Actual(MU)	183.7	-206.3	75.1	-61.0	5.3	-3.3
O/D/U/D(MU)	1.3	-10.5	-2.1	5.9	2.1	-3.3

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	4673	16531	7302	1895	406	30807
State Sector	9550	13342	9730	4675	50	37347
Total	14223	29873	17032	6570	456	68153

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Coal	544	1179	492	426	5	2646
Lignite	20	18	58	0	0	97
Hydro	107	30	73	21	8	238
Nuclear	24	31	32	0	0	87
Gas, Naptha & Diesel	34	41	19	0	29	123
RES (Wind, Solar, Biomass & Others)	57	43	161	1	0	262
Total	785	1342	836	449	42	3454

Share of RES in total generation (%)	7.28	3.18	19.31	0.19	0.12	7.59
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	23.95	7.75	31.80	4.95	18.67	17.02

H. Diversity Factor

All India Demand Diversity Factor	1.042
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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 : **6-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	717	0.0	9.7	-9.7	
2		SASARAM-FATEHPUR	S/C	78	183	0.0	1.3	-1.3	
3		GAYA-BALIA	S/C	0	478	0.0	7.4	-7.4	
4		ALIPURDUAR-AGRA	-	0	0	0.0	0.0	0.0	
5	400 kV	PUSAULI B/B	S/C	0	147	0.0	3.6	-3.6	
6		PUSAULI-VARANASI	S/C	0	114	0.0	2.1	-2.1	
7		PUSAULI -ALLAHABAD	S/C	0	95	0.0	1.4	-1.4	
8		MUZAFFARPUR-GORAKHPUR	D/C	2	400	0.0	3.9	-3.9	
9		PATNA-BALIA	Q/C	0	1138	0.0	21.4	-21.4	
10		BIHARSHARIFF-BALIA	D/C	0	486	0.0	4.4	-4.4	
11		MOTIHARI-GORAKHPUR	D/C	0	456	0.0	7.2	-7.2	
12		BIHARSHARIFF-VARANASI	D/C	112	252	0.0	0.5	-0.5	
13		220 kV	PUSAULI-SAHUPURI	S/C	0	148	0.0	2.6	-2.6
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	32	0.0	0.0	0.0	
17	KARMANASA-CHANDAULI		S/C	0	0	0.0	0.0	0.0	
ER-NR						0.6	65.2	-64.6	
Import/Export of ER (With WR)									
18	765 kV	JHARSUGUDA-DHARAMJAIGARH S/C	D/C	1129	0	14.3	0.0	14.3	
19		NEW RANCHI-DHARAMJAIGARH	D/C	579	136	6.7	0.0	6.7	
20	400 kV	JHARSUGUDA-RAIGARH	Q/C	96	120	0.2	0.0	0.2	
21		RANCHI-SIPAT	D/C	264	0	3.6	0.0	3.6	
22	220 kV	BUDHIPADAR-RAIGARH	S/C	0	114	0.0	1.8	-1.8	
23		BUDHIPADAR-KORBA	D/C	155	0	2.0	0.0	2.0	
ER-WR						26.7	1.8	24.9	
Import/Export of ER (With SR)									
24	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	1237.0	0.0	15.6	-15.6	
25	HVDC	JEYPORE-GAZUWAKA B/B	D/C	0.0	687.0	0.0	16.0	-16.0	
26	LINK	TALCHER-KOLAR BIPOLE	D/C	0.0	1974.0	0.0	44.3	-44.3	
27	400 kV	TALCHER-I/C	D/C	0.0	631.0	0.6	0.0	0.6	
28	220 kV	BALIMELA-UPPER-SILERRU	S/C	1.0	0.0	0.0	0.0	0.0	
ER-SR						0.0	76.0	-76.0	
Import/Export of ER (With NER)									
29	400 kV	BINAGURI-BONGAIGAON	D/C	178	67	2.2	0.0	2	
30		ALIPURDUAR-BONGAIGAON	D/C	285	11	4.1	0.0	4	
31	220 kV	ALIPURDUAR-SALAKATI	D/C	52	41	0.3	0.0	0	
ER-NER						6.6	0.0	6.6	
Import/Export of NER (With NR)									
32	HVDC	BISWANATH CHARIALI-AGRA	-	468	0	11.9	0.0	11.9	
NER-NR						11.9	0.0	11.9	
Import/Export of WR (With NR)									
33	HVDC	CHAMPA-KURUKSHETRA	D/C	0	606	0.0	14.2	-14.2	
34		V'CHAL B/B	D/C	241	0	3.0	0.0	3.0	
35		APL -MHG	D/C	0	1550	0.0	33.1	-33.1	
36		GWALIOR-AGRA	D/C	0	1163	0.0	43.8	-43.8	
37	765 kV	PHAGI-GWALIOR	D/C	0	1223	0.0	18.8	-18.8	
38		JABALPUR-ORAI	D/C	0	725	0.0	26.5	-26.5	
39		GWALIOR-ORAI	S/C	642	0	10.1	0.0	10.1	
40		SATNA-ORAI	S/C	0	1485	0.0	29.4	-29.4	
41		400 kV	ZERDA-KANKROLI	S/C	205	179	0.2	0.0	0.2
42			ZERDA -BHINMAL	S/C	4	339	0.0	3.6	-3.6
43	V'CHAL -RIHAND		S/C	983	0	21.2	0.0	21.2	
44	RAPP-SHUJALPUR		D/C	227	105	0	1	-1	
45	220 kV	BADOD-KOTA	S/C	15	44	0.7	0.0	0.7	
46		BADOD-MORAK	S/C	0	148	0.0	1.6	-1.6	
47		MEHGAON-AURAIYA	S/C	133	0	1.3	0.0	1.3	
48		MALANPUR-AURAIYA	S/C	77	23	0.4	0.1	0.4	
49	132kV	GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0	
WR-NR						36.9	172.2	-135.3	
Import/Export of WR (With SR)									
50	HVDC	BHADRAWATI B/B	-	0	999	0.0	18.9	-18.9	
51	LINK	BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0	
52	765 kV	SOLAPUR-RAICHUR	D/C	677	2033	0.0	18.6	-18.6	
53		WARDHA-NIZAMABAD	D/C	42	1871	0.0	23.7	-23.7	
54	400 kV	KOLHAPUR-KUDGI	D/C	1056	0	14.4	0.0	14.4	
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	63	1.2	0.0	1.2	
WR-SR						15.6	61.2	-45.6	
TRANSNATIONAL EXCHANGE									
58		BHUTAN						0.9	
59		NEPAL						-6.8	
60		BANGLADESH						-12.1	