



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: 07thJan 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 06.01.2019.

महोदय/Dear Sir,

आईईंजींसीं-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 06-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 06th 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

7-Jan-19

A. Maximum Demand

	NR	WR	SR	ER	NER	Total
Demand Met during Evening Peak hrs(MW) (at 1900 hrs: from RLDCs)	43666	45357	37943	17583	2338	146887
Peak Shortage (MW)	568	0	0	108	27	703
Energy Met (MU)	903	1090	870	352	41	3256
Hydro Gen (MU)	107	22	67	21	7	224
Wind Gen (MU)	22	59	45	-----	-----	125
Solar Gen (MU)*	16.85	20.2	71.06	0.87	0.05	109
Energy Shortage (MU)	11.7	0.2	0.0	0.3	0.1	12.3
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	44617 18:30	54697 10:11	41039 10:00	17990 19:10	2389 18:00	153908 10:15

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	0.037	0.00	0.00	4.42	4.42	67.42	28.16

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	5004	0	99.0	27.9	0.1	110	0.0
	Haryana	5999	0	106.3	51.1	-0.6	185	0.0
	Rajasthan	12233	0	235.2	57.6	-1.0	554	0.0
	Delhi	3922	0	64.9	48.6	-0.4	362	0.0
	UP	13892	0	279.5	99.0	-0.3	141	0.0
	Uttarakhand	2006	0	37.8	23.4	-0.7	76	0.0
	HP	1547	0	28.0	23.1	-0.2	121	0.0
	J&K	2427	607	49.2	43.7	-1.2	191	11.6
WR	Chandigarh	203	0	3.5	3.5	0.0	30	0.0
	Chhattisgarh	3586	0	79.0	25.0	-0.1	274	0.2
	Gujarat	15171	0	312.2	79.0	0.4	677	0.0
	MP	13988	0	257.3	148.2	-2.5	571	0.0
	Maharashtra	20033	0	398.6	97.1	0.3	538	0.0
	Goa	473	0	8.3	8.2	0.0	30	0.0
	DD	285	0	6.6	6.6	0.0	43	0.0
	DNH	728	0	17.2	16.9	0.3	91	0.0
	Essar steel	549	0	11.1	11.3	-0.2	231	0.0
	SR	Andhra Pradesh	7844	0	162.6	64.8	0.5	533
Telangana		8833	0	179.3	68.4	0.6	638	0.0
Karnataka		10410	0	195.7	70.5	0.1	684	0.0
Kerala		3128	0	58.0	48.6	0.1	192	0.0
Tamil Nadu		13016	0	267.8	122.5	-0.2	655	0.0
Pondy		327	0	6.9	7.1	-0.3	39	0.0
ER	Bihar	4173	0	76.5	71.9	-0.2	460	0.0
	DVC	3026	100	65.3	-29.9	0.7	396	0.3
	Jharkhand	1163	0	24.4	17.5	0.3	169	0.0
	Odisha	3927	0	72.9	25.9	1.0	267	0.0
	West Bengal	5930	0	111.0	26.7	1.8	309	0.0
NER	Sikkim	87	0	1.6	1.7	-0.1	18	0.0
	Arunachal Pradesh	108	2	2.1	1.8	0.4	88	0.0
	Assam	1342	15	23.0	16.8	1.6	134	0.0
	Manipur	179	2	2.6	2.9	-0.3	27	0.0
	Meghalaya	343	0	6.3	5.3	0.0	42	0.0
	Mizoram	96	2	1.4	1.4	-0.5	29	0.0
	Nagaland	112	3	2.1	1.9	0.1	29	0.0
	Tripura	218	1	3.3	1.1	0.2	70	0.0

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	2.3	-6.6	-13.9
Day peak (MW)	135.7	-317.0	-806.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	150.7	-167.6	74.9	-61.5	3.4	0.0
Actual(MU)	150.6	-175.5	72.1	-53.3	4.8	-1.3
O/D/U/D(MU)	-0.1	-7.9	-2.8	8.2	1.4	-1.3

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	3826	17141	7302	1895	638	30802
State Sector	9550	14094	9570	4675	50	37939
Total	13376	31235	16872	6570	688	68740

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Coal	527	1093	474	415	4	2513
Lignite	18	18	57	0	0	92
Hydro	107	22	67	21	7	224
Nuclear	24	31	32	0	0	87
Gas, Naptha & Diesel	31	40	20	0	28	119
RES (Wind, Solar, Biomass & Others)	67	81	151	1	0	300
Total	775	1284	801	436	40	3336

Share of RES in total generation (%)	8.70	6.29	18.86	0.21	0.13	9.00
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	25.71	10.42	31.24	4.94	18.44	18.35

H. Diversity Factor

All India Demand Diversity Factor	1.044
-----------------------------------	-------

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 : 7-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	706	0.0	8.3	-8.3
2		SASARAM-FATEHPUR	S/C	117	231	0.0	1.5	-1.5
3		GAYA-BALIA	S/C	0	388	0.0	6.8	-6.8
4	HVDC	ALIPURDUAR-AGRA	-	0	0	0.0	0.0	0.0
5		PUSAULI B/B	S/C	0	148	0.0	3.7	-3.7
6	400 kV	PUSAULI-VARANASI	S/C	0	138	0.0	2.4	-2.4
7		PUSAULI -ALLAHABAD	S/C	0	175	0.0	1.2	-1.2
8		MUZAFFARPUR-GORAKHPUR	D/C	0	673	0.0	5.8	-5.8
9		PATNA-BALIA	Q/C	0	1029	0.0	19.1	-19.1
10		BIHARSHARIFF-BALIA	D/C	0	297	0.0	3.7	-3.7
11		MOTIHARI-GORAKHPUR	D/C	0	390	0.0	6.7	-6.7
12		BIHARSHARIFF-VARANASI	D/C	164	166	0.3	0.0	0.3
13	220 kV	PUSAULI-SAHUPURI	S/C	0	145	0.0	2.5	-2.5
14	132 kV	SONE NAGAR-RIHAND	S/C	0	0	0.0	0.0	0.0
15		GARWAH-RIHAND	S/C	25	0	0.7	0.0	0.7
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						1.0	61.7	-60.7
Import/Export of ER (With WR)								
18	765 kV	JHARSUGUDA-DHARAMJAIGARH S/C	D/C	1137	0	13.9	0.0	13.9
19		NEW RANCHI-DHARAMJAIGARH	D/C	501	123	6.8	0.0	6.8
20	400 kV	JHARSUGUDA-RAIGARH	Q/C	89	132	0.0	0.7	-0.7
21		RANCHI-SIPAT	D/C	237	0	3.4	0.0	3.4
22	220 kV	BUDHIPADAR-RAIGARH	S/C	5	100	0.0	1.2	-1.2
23		BUDHIPADAR-KORBA	D/C	89	19	0.7	0.0	0.7
ER-WR						24.8	1.8	22.9
Import/Export of ER (With SR)								
24	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	1133.0	0.0	17.1	-17.1
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	1597.0	0.0	36.7	-36.7
27	400 kV	TALCHER-I/C	D/C	0.0	536.0	8.1	0.0	8.1
28	220 kV	BALIMELA-UPPER-SILERRU	S/C	1.0	0.0	0.0	0.0	0.0
ER-SR						0.0	69.8	-69.8
Import/Export of ER (With NER)								
29	400 kV	BINAGURI-BONGAIGAON	D/C	185	26	2.0	0.0	2
30		ALIPURDUAR-BONGAIGAON	D/C	286	0	3.9	0.0	4
31	220 kV	ALIPURDUAR-SALAKATI	D/C	43	28	0.3	0.0	0
ER-NER						6.2	0.0	6.2
Import/Export of NER (With NR)								
32	HVDC	BISWANATH CHARIALI-AGRA	-	468	0	11.4	0.0	11.4
NER-NR						11.4	0.0	11.4
Import/Export of WR (With NR)								
33	HVDC	CHAMPA-KURUKSHETRA	D/C	0	607	0.0	14.1	-14.1
34		V'CHAL B/B	D/C	241	0	6.0	0.0	6.0
35	765 kV	APL -MHG	D/C	0	1547	0.0	22.2	-22.2
36		GWALIOR-AGRA	D/C	0	1128	0.0	39.2	-39.2
37		PHAGI-GWALIOR	D/C	0	1165	0.0	16.7	-16.7
38		JABALPUR-ORAI	D/C	0	774	0.0	26.2	-26.2
39		GWALIOR-ORAI	S/C	642	0	10.9	0.0	10.9
40		SATNA-ORAI	S/C	0	1279	0.0	25.3	-25.3
41		400 kV	ZERDA-KANKROLI	S/C	232	212	0.1	0.0
42	ZERDA -BHINMAL		S/C	112	336	0.0	3.7	-3.7
43	V'CHAL -RIHAND		S/C	973	0	19.7	0.0	19.7
44	RAPP-SHUJALPUR		D/C	358	61	2	0	2
45	220 kV	BADOD-KOTA	S/C	35	61	0.7	0.1	0.6
46		BADOD-MORAK	S/C	0	184	0.0	1.9	-1.9
47		MEHGAON-AURAIYA	S/C	107	0	1.5	0.0	1.5
48	132kV	MALANPUR-AURAIYA	S/C	53	15	0.5	0.0	0.5
49		GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0
WR-NR						41.1	149.3	-108.1
Import/Export of WR (With SR)								
50	HVDC	BHADRAWATI B/B	-	0	803	0.0	19.1	-19.1
51	LINK	BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0
52	765 kV	SOLAPUR-RAICHUR	D/C	602	1730	0.0	17.7	-17.7
53		WARDHA-NIZAMABAD	D/C	0	1803	0.0	23.9	-23.9
54	400 kV	KOLHAPUR-KUDGI	D/C	961	0	13.4	0.0	13.4
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	57	0.9	0.0	0.9
WR-SR						14.4	60.7	-46.4
TRANSNATIONAL EXCHANGE								
58		BHUTAN						2.3
59		NEPAL						-6.6
60		BANGLADESH						-13.9