



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: 08thJan 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 07.01.2019.

महोदय/Dear Sir,

आईईंजींसीं-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 07-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 07th 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

8-Jan-19

A. Maximum Demand

	NR	WR	SR	ER	NER	Total
Demand Met during Evening Peak hrs(MW) (at 1900 hrs: from RLDCs)	46311	47989	40766	16733	2392	154191
Peak Shortage (MW)	516	193	0	106	42	857
Energy Met (MU)	935	1104	907	351	41	3338
Hydro Gen (MU)	110	22	80	31	8	251
Wind Gen (MU)	14	66	37	-----	-----	117
Solar Gen (MU)*	20.31	20	70.81	0.74	0.05	112
Energy Shortage (MU)	12.6	0.6	0.0	0.3	0.4	13.9
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	46454 18:30	54373 11:29	43492 07:45	17321 19:16	2431 17:32	157482 09:28

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	0.040	0.00	0.54	6.77	7.31	71.25	21.44

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	5577	0	108.1	33.3	-0.1	126	0.0
	Haryana	6735	0	123.5	60.2	0.3	237	0.0
	Rajasthan	12620	0	239.9	60.1	-1.5	459	0.0
	Delhi	4212	0	71.0	54.0	0.6	279	0.0
	UP	13918	0	274.4	98.4	-0.2	396	1.8
	Uttarakhand	2039	0	38.4	23.0	-0.3	78	0.0
	HP	1668	0	29.9	24.9	-0.3	143	0.0
	J&K	2379	595	45.8	44.8	-4.8	60	10.8
WR	Chandigarh	204	0	3.6	3.8	-0.2	24	0.0
	Chhattisgarh	3739	0	79.1	27.3	-0.1	597	0.6
	Gujarat	15368	0	320.3	77.9	1.8	716	0.0
	MP	13313	0	253.2	140.7	-1.9	535	0.0
	Maharashtra	20338	0	409.0	96.4	-2.7	567	0.0
	Goa	473	0	8.8	8.7	0.0	49	0.0
	DD	283	0	6.5	6.2	0.3	57	0.0
	DNH	749	0	17.3	17.4	-0.1	51	0.0
SR	Essar steel	513	0	10.2	10.8	-0.6	264	0.0
	Andhra Pradesh	8016	0	163.5	66.8	0.5	484	0.0
	Telangana	9155	0	179.9	72.0	-0.3	382	0.0
	Karnataka	11137	0	207.6	69.0	0.1	503	0.0
	Kerala	3389	0	63.2	50.3	0.0	145	0.0
	Tamil Nadu	14114	0	285.0	131.6	1.0	498	0.0
	Pondy	386	0	7.5	7.8	-0.2	58	0.0
	Bihar	3973	0	71.7	70.6	-2.4	460	0.0
ER	DVC	3081	0	65.4	-30.6	0.0	396	0.0
	Jharkhand	1121	106	23.0	17.4	0.1	169	0.3
	Odisha	4524	0	71.6	23.2	0.5	267	0.0
	West Bengal	5878	0	117.9	31.7	0.5	309	0.0
	Sikkim	90	0	1.3	1.9	-0.6	18	0.0
	NER	Arunachal Pradesh	100	2	2.0	1.6	0.4	39
Assam		1380	28	23.0	17.7	0.6	78	0.3
Manipur		191	3	2.8	3.0	-0.2	32	0.0
Meghalaya		353	0	6.4	5.0	0.0	187	0.0
Mizoram		94	1	1.7	1.4	0.2	27	0.0
Nagaland		109	3	2.0	1.8	0.1	26	0.0
Tripura		213	3	3.5	1.4	0.3	53	0.0

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	1.7	-7.0	-13.9
Day peak (MW)	100.2	-322.0	-817.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	158.1	-186.9	84.6	-63.8	7.8	-0.3
Actual(MU)	153.8	-189.3	81.6	-57.1	8.5	-2.5
O/D/U/D(MU)	-4.3	-2.4	-3.0	6.6	0.8	-2.3

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	3826	16481	6802	1370	688	29167
State Sector	9550	12974	10540	4965	50	38079
Total	13376	29455	17342	6335	738	67245

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Coal	559	1122	492	415	5	2593
Lignite	21	15	56	0	0	92
Hydro	110	22	80	31	8	251
Nuclear	24	31	32	0	0	87
Gas, Naptha & Diesel	31	42	20	0	24	117
RES (Wind, Solar, Biomass & Others)	63	88	148	1	0	300
Total	808	1320	828	447	36	3440

Share of RES in total generation (%)	7.79	6.66	17.86	0.17	0.14	8.71
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	24.39	10.72	31.34	7.15	20.94	18.54

H. Diversity Factor

All India Demand Diversity Factor	1.042
-----------------------------------	-------

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 : **8-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	685	0.0	8.5	-8.5
2		SASARAM-FATEHPUR	S/C	63	271	0.0	2.1	-2.1
3		GAYA-BALIA	S/C	0	349	0.0	5.8	-5.8
4		ALIPURDUAR-AGRA	-	0	0	0.0	0.0	0.0
5	HVDC	PUSAULI B/B	S/C	0	148	0.0	3.7	-3.7
6	400 kV	PUSAULI-VARANASI	S/C	31931	116	0.0	2.2	-2.2
7		PUSAULI -ALLAHABAD	S/C	0	87	0.0	1.4	-1.4
8		MUZAFFARPUR-GORAKHPUR	D/C	33	604	0.0	3.7	-3.7
9		PATNA-BALIA	Q/C	0	921	0.0	18.4	-18.4
10		BIHARSHARIFF-BALIA	D/C	0	242	0.0	2.3	-2.3
11		MOTIHARI-GORAKHPUR	D/C	0	365	0.0	6.7	-6.7
12		BIHARSHARIFF-VARANASI	D/C	157	148	1.0	0.0	1.0
13	220 kV	PUSAULI-SAHUPURI	S/C	0	136	0.0	2.2	-2.2
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						1.7	57.0	-55.3
Import/Export of ER (With WR)								
18	765 kV	JHARSUGUDA-DHARAMJAIGARH S/C	D/C	1077	49	13.5	0.0	13.5
19		NEW RANCHI-DHARAMJAIGARH	D/C	512	168	4.1	0.0	4.1
20	400 kV	JHARSUGUDA-RAIGARH	Q/C	84	126	0.2	0.0	0.2
21		RANCHI-SIPAT	D/C	192	9	2.8	0.0	2.8
22	220 kV	BUDHIPADAR-RAIGARH	S/C	0	200	0.0	2.0	-2.0
23		BUDHIPADAR-KORBA	D/C	44	89	0.0	0.2	-0.2
ER-WR						20.6	2.2	18.4
Import/Export of ER (With SR)								
24	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	1305.0	0.0	16.7	-16.7
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	1595.0	0.0	37.1	-37.1
27	400 kV	TALCHER-I/C	D/C	0.0	562.0	6.8	0.0	6.8
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	121	136	0.4	0.0	0
30		ALIPURDUAR-BONGAIGAON	D/C	200	52	2.2	0.0	2
31	220 kV	ALIPURDUAR-SALAKATI	D/C	25	52	0.0	0.1	0
ER-NER						2.6	0.1	2.5
Import/Export of NER (With NR)								
32	HVDC	BISWANATH CHARIALI-AGRA	-	469	0	11.5	0.0	11.5
NER-NR						11.5	0.0	11.5
Import/Export of WR (With NR)								
33	HVDC	CHAMPA-KURUKSHETRA	D/C	0	607	0.0	14.2	-14.2
34		V'CHAL B/B	D/C	241	0	6.0	0.0	6.0
35		APL -MHG	D/C	0	1174	0.0	24.9	-24.9
36		GWALIOR-AGRA	D/C	0	1212	0.0	43.6	-43.6
37	765 kV	PHAGI-GWALIOR	D/C	0	1162	0.0	17.3	-17.3
38		JABALPUR-ORAI	D/C	0	733	0.0	25.6	-25.6
39		GWALIOR-ORAI	S/C	712	0	11.3	0.0	11.3
40		SATNA-ORAI	S/C	0	1413	0.0	26.3	-26.3
41	400 kV	ZERDA-KANKROLI	S/C	66	135	0.0	0.9	-0.9
42		ZERDA -BHINMAL	S/C	0	304	0.0	4.0	-4.0
43		V'CHAL -RIHAND	S/C	965	0	19.9	0.0	19.9
44		RAPP-SHUJALPUR	D/C	290	79	2	0	2
45	220 kV	BADOD-KOTA	S/C	19	56	0.6	0.0	0.6
46		BADOD-MORAK	S/C	0	142	0.0	1.9	-1.9
47		MEHGAON-AURAIYA	S/C	100	0	1.4	0.0	1.4
48		MALANPUR-AURAIYA	S/C	47	21	0.5	0.0	0.4
49	132kV	GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0
WR-NR						41.3	158.6	-117.3
Import/Export of WR (With SR)								
50	HVDC	BHADRAWATI B/B	-	0	1002	0.0	21.9	-21.9
51	LINK	BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0
52	765 kV	SOLAPUR-RAICHUR	D/C	311	2066	0.0	21.3	-21.3
53		WARDHA-NIZAMABAD	D/C	0	2046	0.0	23.8	-23.8
54	400 kV	KOLHAPUR-KUDGI	D/C	909	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	65	1.2	0.0	1.2
WR-SR						14.6	67.0	-52.4
TRANSNATIONAL EXCHANGE								
58		BHUTAN						1.7
59		NEPAL						-7.0
60		BANGLADESH						-13.9