



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: 15th Dec 2019

To,

1. कार्यकारी निदेशक, पू.क्षे.भा.प्रे.के., 14, गोल्फ क्लब रोड, कोलकाता - 700033
Executive Director, ERLDC, 14 Golf Club Road, Tollygunge, Kolkata, 700033
2. 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
3. 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
4. कार्यकारी निदेशक, ऊ.पू.क्षे.भा.प्रे.के., डोंगतेह, लोअर नोंग्रह, लापलंग, शिलोंग - 793006
Executive Director, NERLDC, Dongteih, Lower Nongrah, Lapalang, Shillong - 793006, Meghalaya
5. 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 14.12.2019.

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 14-दिसम्बर-2019 की अखिल भारतीय प्रणाली की दैनिक ग्रिड निष्पादन रिपोर्ट रा०भा०प्रे०के० 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 14th Dec 2019, is available at the NLDC website.

धन्यवाद,

पावर सिस्टम ऑपरेशन कारपोरेशन लिमिटेड
राष्ट्रीय भार प्रेषण केंद्र, नई दिल्ली

Report for previous day

Date of Reporting

15-Dec-19

A. Power Supply Position at All India and Regional level

	NR	WR	SR	ER	NER	Total
Demand Met during Evening Peak hrs(MW) (at 1900 hrs; from RLDCs)	43050	46982	36731	17903	2219	146885
Peak Shortage (MW)	856	0	0	0	24	880
Energy Met (MU)	830	1100	888	333	38	3189
Hydro Gen (MU)	132	48	77	41	9	307
Wind Gen (MU)	8	33	37	-----	-----	78
Solar Gen (MU)*	28.09	21.84	64.63	1.59	0.04	116
Energy Shortage (MU)	10.5	0.1	0.0	0.0	0.3	10.8
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	43144 18:20	51602 11:02	42336 07:35	18337 18:23	2339 17:27	150446 18:26

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	0.028	0.00	0.00	1.37	1.37	75.31	23.32

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	5239	0	103.7	54.7	-0.8	162	0.0
	Haryana	6037	0	110.4	81.7	1.1	232	0.0
	Rajasthan	11621	0	211.4	61.6	-1.2	292	0.0
	Delhi	3817	0	63.8	51.4	0.0	182	0.0
	UP	12862	225	229.9	97.8	3.5	960	0.0
	Uttarakhand	1712	0	33.4	18.2	-0.5	86	0.0
	HP	1610	0	29.3	21.6	-0.5	267	0.0
	J&K(UT) and Ladakh(UT)	2525	631	44.2	37.6	-2.3	201	10.5
	Chandigarh	212	0	3.8	3.8	0.0	50	0.0
WR	Chhattisgarh	3518	0	75.8	18.3	0.0	329	0.0
	Gujarat	15049	0	317.1	101.9	2.4	603	0.0
	MP	12338	0	228.5	116.0	-2.1	419	0.0
	Maharashtra	21105	0	435.7	147.0	-5.0	436	0.0
	Goa	591	0	12.2	12.0	-0.2	58	0.1
	DD	311	0	6.7	6.3	0.3	48	0.0
	DNH	792	0	18.6	18.5	0.0	31	0.0
	Essar steel	308	0	6.0	6.2	-0.2	295	0.0
	Andhra Pradesh	7398	0	156.6	71.2	0.3	510	0.0
SR	Telangana	9652	0	200.1	94.7	2.1	544	0.0
	Karnataka	11210	0	197.7	40.3	1.5	783	0.0
	Kerala	3368	0	70.4	58.1	1.1	153	0.0
	Tamil Nadu	12232	0	256.1	145.5	-1.0	444	0.0
	Pondy	343	0	6.8	7.1	-0.4	15	0.0
	Bihar	3779	0	54.9	56.6	-2.5	400	0.0
ER	DVC	3074	0	61.4	-29.3	-0.8	100	0.0
	Jharkhand	1135	0	23.2	19.0	-0.9	31	0.0
	Odisha	4187	0	79.8	16.3	0.1	150	0.0
	West Bengal	6195	0	112.0	23.1	0.7	300	0.0
	Sikkim	109	0	1.7	1.6	0.0	15	0.0
	Arunachal Pradesh	115	2	2.0	1.7	0.2	21	0.0
NER	Assam	1272	23	20.1	16.8	0.5	167	0.2
	Manipur	189	1	2.6	2.9	-0.3	34	0.0
	Meghalaya	332	0	5.8	2.0	1.3	23	0.0
	Mizoram	106	2	2.0	0.8	0.5	29	0.0
	Nagaland	119	1	2.1	2.2	-0.4	9	0.0
	Tripura	223	7	3.4	1.3	-0.1	21	0.0

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	6.5	-3.5	-8.1
Day peak (MW)	326.1	-207.0	-643.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	201.0	-210.3	116.9	-107.8	-0.2	-0.4
Actual(MU)	185.3	-212.5	134.3	-112.2	3.9	-1.3
O/D/U/D(MU)	-15.7	-2.3	17.4	-4.4	4.1	-0.9

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	5614	16953	7862	1260	694	32382
State Sector	13817	15510	9070	6510	11	44918
Total	19431	32462	16932	7770	705	77300

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Coal	389	1138	438	413	12	2390
Lignite	23	13	40	0	0	76
Hydro	132	48	77	41	9	307
Nuclear	25	28	58	0	0	111
Gas, Naptha & Diesel	27	30	15	0	17	90
RES (Wind, Solar, Biomass & Others)	65	59	142	2	0	266
Total	660	1315	770	456	38	3240

Share of RES in total generation (%)	9.78	4.46	18.38	0.36	0.10	8.22
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	33.53	10.23	35.86	9.43	23.52	21.11

H. All India Demand Diversity Factor

Based on Regional Max Demands	1.049
Based on State Max Demands	1.095

Diversity factor = Sum of regional or state-wise maximum demands / All India maximum demand

*Source: RLDCs for solar connected to ISTS; SLDCs for embedded solar. Limited visibility of embedded solar data.