



**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: 06<sup>th</sup> 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 05.12.2019.**

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 05-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 05<sup>rd</sup> Dec 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-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)	44633	48497	36745	17909	2374	150158
Peak Shortage (MW)	575	0	0	0	60	635
Energy Met (MU)	883	1157	834	339	39	3252
Hydro Gen (MU)	141	58	78	39	9	324
Wind Gen (MU)	19	61	48	-----	-----	127
Solar Gen (MU)*	26.70	17.6	62.84	1.84	0.05	109
Energy Shortage (MU)	11.8	0.0	0.0	0.0	0.4	12.2
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	45103 18:19	53904 09:19	39387 18:56	18007 17:57	2538 17:26	152508 18:34

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	0.041	0.00	0.13	5.17	5.30	70.08	24.62

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	5768	0	112.0	55.8	-1.6	33	0.0
	Haryana	6061	0	119.4	102.3	0.8	176	0.0
	Rajasthan	12203	0	222.7	67.5	-0.1	372	0.0
	Delhi	3526	0	63.5	52.8	-1.1	133	0.0
	UP	14081	0	250.4	100.5	1.2	691	1.5
	Uttarakhand	1870	0	35.3	19.8	-0.4	123	0.0
	HP	1687	0	29.9	21.8	0.4	138	0.0
	J&K	2300	575	46.4	38.4	0.5	201	10.4
	Chandigarh	210	0	3.5	3.5	0.0	35	0.0
WR	Chhattisgarh	3500	0	73.1	22.5	0.7	280	0.0
	Gujarat	15697	0	336.3	92.3	2.1	658	0.0
	MP	13659	0	253.1	144.9	-2.3	419	0.0
	Maharashtra	21682	0	449.6	132.7	-5.3	458	0.0
	Goa	541	0	12.4	11.8	0.0	41	0.0
	DD	332	0	7.4	6.8	0.6	49	0.0
	DNH	821	0	18.9	18.8	0.1	53	0.0
	Essar steel	306	0	5.9	5.7	0.2	295	0.0
	Andhra Pradesh	7332	0	156.4	77.4	0.9	236	0.0
SR	Telangana	8178	0	172.5	75.8	0.4	573	0.0
	Karnataka	9384	0	174.5	33.3	-1.1	1057	0.0
	Kerala	3460	0	69.8	56.6	0.8	199	0.0
	Tamil Nadu	12693	0	254.2	154.1	-0.3	638	0.0
	Pondy	341	0	6.7	7.4	-0.7	47	0.0
	Bihar	3938	0	66.2	65.7	-0.8	110	0.0
ER	DVC	3075	0	60.9	-33.2	-0.4	180	0.0
	Jharkhand	1292	0	24.4	16.9	-0.9	31	0.0
	Odisha	4113	0	75.1	10.0	1.6	220	0.0
	West Bengal	6178	0	110.4	25.4	0.6	270	0.0
	Sikkim	100	0	1.6	1.5	0.1	40	0.0
	NER	Arunachal Pradesh	128	7	2.1	2.1	0.0	38
Assam		1411	47	21.5	17.1	-0.5	161	0.4
Manipur		172	6	2.3	2.7	-0.4	35	0.0
Meghalaya		366	5	5.9	2.8	0.4	14	0.0
Mizoram		106	7	1.8	0.9	0.6	10	0.0
Nagaland		122	5	2.2	2.1	-0.1	54	0.0
Tripura		232	11	3.4	1.6	-0.3	34	0.0

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	7.5	-4.6	-11.6
Day peak (MW)	618.4	-325.0	-852.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	212.7	-200.0	95.8	-107.7	-0.7	0.1
Actual(MU)	200.8	-197.5	102.0	-108.8	-1.3	-4.8
O/D/U/D(MU)	-12.0	2.5	6.3	-1.1	-0.6	-4.9

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	5940	17337	7262	1470	813	32823
State Sector	13955	17635	11150	6360	11	49111
Total	19895	34972	18412	7830	825	81933

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Coal	413	1103	394	424	12	2346
Lignite	22	30	46	0	0	98
Hydro	141	49	78	39	9	316
Nuclear	28	14	57	0	0	99
Gas, Naptha & Diesel	24	49	15	0	24	113
RES (Wind, Solar, Biomass & Others)	73	132	152	2	0	358
Total	701	1377	741	465	44	3329

Share of RES in total generation (%)	10.37	9.59	20.46	0.41	0.11	10.77
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	34.51	14.17	38.62	8.81	19.55	23.22

H. All India Demand Diversity Factor

Based on Regional Max Demands	1.042
Based on State Max Demands	1.094

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.