



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: 09th 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 08.12.2019.

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 08-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 08th 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 9-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)	41678	45239	33696	17346	2262	140221
Peak Shortage (MW)	596	0	83	0	41	720
Energy Met (MU)	846	1102	795	335	39	3118
Hydro Gen (MU)	133	49	86	37	9	314
Wind Gen (MU)	15	62	37	-----	-----	114
Solar Gen (MU)*	29.03	21.4	55.95	1.54	0.04	108
Energy Shortage (MU)	10.7	0.0	0.0	0.0	0.4	11.0
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	41928 18:44	52446 11:01	35801 09:21	17337 18:32	2355 17:32	144911 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	0.69	3.21	3.90	66.26	29.84

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	5321	0	108.5	51.6	-1.3	90	0.0
	Haryana	5267	0	109.0	92.6	1.3	302	0.0
	Rajasthan	12149	0	219.8	64.4	-1.4	376	0.0
	Delhi	3548	0	59.3	48.4	-0.8	158	0.0
	UP	13344	0	242.3	100.9	1.7	587	0.0
	Uttarakhand	1781	0	32.1	15.8	-0.4	102	0.0
	HP	1521	0	26.4	19.4	-0.6	117	0.0
	J&K	2411	603	45.4	39.6	-0.6	201	10.7
	Chandigarh	192	0	3.1	3.2	-0.1	23	0.0
WR	Chhattisgarh	3388	0	73.0	15.5	-1.1	242	0.0
	Gujarat	14968	0	312.0	86.3	-1.4	738	0.0
	MP	13561	0	252.3	146.4	-4.4	419	0.0
	Maharashtra	20562	0	421.6	134.7	-5.2	476	0.0
	Goa	541	0	12.3	10.8	0.9	54	0.0
	DD	293	0	6.7	6.1	0.6	41	0.0
	DNH	767	0	18.2	18.2	0.0	80	0.0
	Essar steel	306	0	5.7	5.3	0.4	295	0.0
	Andhra Pradesh	7139	-21	150.3	75.9	-0.8	462	0.0
SR	Telangana	8409	0	175.6	78.8	1.5	478	0.0
	Karnataka	9168	-11	169.7	45.8	2.2	835	0.0
	Kerala	3305	0	64.7	52.8	1.3	194	0.0
	Tamil Nadu	10634	0	229.0	127.2	0.2	1167	0.0
	Pondy	302	0	6.2	6.4	-0.2	46	0.0
	Bihar	3951	0	67.6	66.6	-0.4	350	0.0
ER	DVC	2921	0	60.3	-25.8	1.8	340	0.0
	Jharkhand	1161	0	24.3	16.1	-0.4	31	0.0
	Odisha	3888	0	73.8	8.0	1.3	290	0.0
	West Bengal	5549	0	107.6	21.7	0.9	320	0.0
	Sikkim	100	0	1.4	1.3	0.1	20	0.0
	NER	Arunachal Pradesh	118	2	2.1	2.0	-0.1	72
Assam		1272	22	21.1	15.9	0.2	123	0.3
Manipur		188	3	2.5	2.8	-0.3	26	0.0
Meghalaya		337	0	6.1	2.9	0.5	68	0.0
Mizoram		98	1	1.7	0.9	0.2	20	0.0
Nagaland		119	2	2.2	2.2	-0.2	8	0.0
Tripura		215	0	3.5	2.0	-0.1	38	0.0

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	6.1	-4.8	-9.8
Day peak (MW)	566.9	-353.2	-756.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	190.7	-182.5	93.0	-98.7	-2.5	0.0
Actual(MU)	182.9	-174.3	98.7	-111.1	0.7	-3.0
O/D/U/D(MU)	-7.8	8.2	5.8	-12.4	3.2	-3.0

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	5853	19611	7612	2740	589	36404
State Sector	13680	17778	12720	5850	11	50039
Total	19533	37388	20332	8590	600	86443

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Coal	409	1069	367	424	10	2280
Lignite	24	17	44	0	0	85
Hydro	133	49	86	37	9	314
Nuclear	19	28	58	0	0	104
Gas, Naptha & Diesel	24	39	15	0	24	101
RES (Wind, Solar, Biomass & Others)	71	96	134	2	0	302
Total	680	1298	703	462	43	3187

Share of RES in total generation (%)	10.41	7.40	19.03	0.34	0.09	9.49
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	32.80	13.32	39.42	8.25	21.38	22.61

H. All India Demand Diversity Factor

Based on Regional Max Demands	1.034
Based on State Max Demands	1.096

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.

INTER-REGIONAL EXCHANGES

Date of Reporting : 9-Dec-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	829	0.0	12.2	-12.2
2		SASARAM-FATEHPUR	S/C	0	445	0.0	6.0	-6.0
3		GAYA-BALIA	S/C	0	419	0.0	7.5	-7.5
4	HVDC	ALIPURDUAR-AGRA	-	0	0	0.0	0.0	0.0
5		PUSAULI B/B	S/C	0	196	0.0	4.8	-4.8
6	400 kV	PUSAULI-VARANASI	S/C	0	131	0.0	2.3	-2.3
7		PUSAULI -ALLAHABAD	S/C	0	151	0.0	2.3	-2.3
8		MUZAFFARPUR-GORAKHPUR	D/C	0	968	0.0	13.4	-13.4
9		PATNA-BALIA	Q/C	0	931	0.0	17.3	-17.3
10		BIHARSHARIFF-BALIA	D/C	0	419	0.0	7.1	-7.1
11		MOTIHARI-GORAKHPUR	D/C	0	10	0.0	0.0	0.0
12		BIHARSHARIFF-VARANASI	D/C	0	380	0.0	4.3	-4.3
13	220 kV	PUSAULI-SAHUPURI	S/C	2	52	0.0	0.6	-0.6
14	132 kV	SONE NAGAR-RIHAND	S/C	0	0	0.0	0.0	0.0
15		GARWAH-RIHAND	S/C	30	0	0.4	0.0	0.4
16		KARMANASA-SAHUPURI	S/C	0	0	0.0	0.0	0.0
17		KARMANASA-CHANDAULI	S/C	0	0	0.0	0.0	0.0
ER-NR						0.4	77.7	-77.3
Import/Export of ER (With WR)								
18	765 kV	JHARSUGUDA-DHARAMJAIGARH	Q/C	446	894	0.0	3.7	-3.7
19		NEW RANCHI-DHARAMJAIGARH	D/C	471	382	0.9	0.0	0.9
20		JHARSUGUDA-DURG	D/C	0	324	0.0	4.8	-4.8
21	400 kV	JHARSUGUDA-RAIGARH	Q/C	158	396	0.0	2.3	-2.3
22		RANCHI-SIPAT	D/C	180	144	0.5	0.0	0.5
23	220 kV	BUDHIPADAR-RAIGARH	S/C	0	140	0.0	2.1	-2.1
24		BUDHIPADAR-KORBA	D/C	120	38	1.3	0.0	1.3
ER-WR						2.8	12.8	-10.1
Import/Export of ER (With SR)								
25	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	2212.0	0.0	38.2	-38.2
26	HVDC	JEYPORE-GAZUWAKA B/B	D/C	0.0	525.0	0.0	12.3	-12.3
27	LINK	TALCHER-KOLAR BIPOLE	D/C	0.0	1969.0	0.0	27.3	-27.3
28	400 kV	TALCHER-I/C	D/C	812.0	345.0	11.0	0.0	11.0
29	220 kV	BALIMELA-UPPER-SILERRU	S/C	1.0	0.0	0.0	0.0	0.0
ER-SR						0.0	77.8	-77.8
Import/Export of ER (With NER)								
30	400 kV	BINAGURI-BONGAIGAON	D/C	298	18	4.6	0.0	5
31		ALIPURDUAR-BONGAIGAON	D/C	373	0	5.2	0.0	5
32	220 kV	ALIPURDUAR-SALAKATI	D/C	64	20	0.8	0.0	1
ER-NER						10.6	0.0	10.6
Import/Export of NER (With NR)								
33	HVDC	BISWANATH CHARIALI-AGRA	-	489	0	11.6	0.0	11.6
NER-NR						11.6	0.0	11.6
Import/Export of WR (With NR)								
34	HVDC	CHAMPA-KURUKSHETRA	D/C	0	484	0.0	12.2	-12.2
35		V'CHAL B/B	D/C	452	0	12.1	0.0	12.1
36		APL -MHG	D/C	0	1551	0.0	38.1	-38.1
37	765 kV	GWALIOR-AGRA	D/C	0	2031	0.0	37.5	-37.5
38		PHAGI-GWALIOR	D/C	0	1363	0.0	19.3	-19.3
39		JABALPUR-ORAI	D/C	0	938	0.0	21.8	-21.8
40		GWALIOR-ORAI	S/C	596	0	8.5	0.0	8.5
41		SATNA-ORAI	S/C	0	1405	0.0	27.5	-27.5
42		CHITTORGARH-BANASKANTHA	D/C	0	890	0.0	5.6	-5.6
43		ZERDA-KANKROLI	S/C	95	128	0.1	0.0	0.1
44	400 kV	ZERDA -BHINMAL	S/C	97	275	0.0	1.6	-1.6
45		V'CHAL -RIHAND	S/C	986	0	22.6	0.0	22.6
46	220 kV	RAPP-SHUJALPUR	D/C	114	156	0	0	0
47		BHANPURA-RANPUR	S/C	0	81	0.1	0.3	-0.2
48		BHANPURA-MORAK	S/C	0	163	0.0	2.2	-2.2
49		MEHGAON-AURAIYA	S/C	113	0	1.2	0.0	1.2
50		MALANPUR-AURAIYA	S/C	69	8	0.5	0.0	0.5
51	132kV	GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0
WR-NR						45.1	166.2	-121.1
Import/Export of WR (With SR)								
52	HVDC	BHADRAWATI B/B	-	0	1006	0.0	15.6	-15.6
53	LINK	BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0
54	765 kV	SOLAPUR-RAICHUR	D/C	278	1749	0.2	20.3	-20.0
55		WARDHA-NIZAMABAD	D/C	0	2102	0.0	37.1	-37.1
56	400 kV	KOLHAPUR-KUDGI	D/C	673	0	9.9	0.0	9.9
57		KOLHAPUR-CHIKODI	D/C	0	0	0.0	0.0	0.0
58	220 kV	PONDA-AMBEWADI	S/C	0	56	0.0	1.0	-1.0
59		XELDEM-AMBEWADI	S/C	0	64	1.2	0.0	1.2
WR-SR						11.2	74.0	-62.8
TRANSNATIONAL EXCHANGE								
60		BHUTAN						6.1
61		NEPAL						-4.8
62		BANGLADESH						-9.8