



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: 03rd 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 02.12.2019.

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 02-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 02nd 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

3-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)	42531	47325	35163	18377	2286	145682
Peak Shortage (MW)	531	0	0	0	34	565
Energy Met (MU)	830	1131	783	342	40	3127
Hydro Gen (MU)	132	58	88	39	10	327
Wind Gen (MU)	13	71	39	-----	-----	122
Solar Gen (MU)*	30.58	17.82	35.29	2.01	0.04	86
Energy Shortage (MU)	13.7	0.0	0.0	0.0	0.5	14.2
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	42849 18:20	52276 10:32	37003 18:41	18485 18:28	2426 17:30	148420 18:23

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	0.026	0.00	0.00	3.07	3.07	79.36	17.57

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	5216	0	100.2	48.4	-2.0	68	0.0
	Haryana	5791	0	109.1	94.7	0.1	189	0.0
	Rajasthan	11469	0	210.4	57.9	-0.3	358	0.0
	Delhi	3420	0	60.8	51.0	-1.1	183	0.0
	UP	13507	0	240.5	94.7	1.0	1026	0.9
	Uttarakhand	1751	0	33.0	19.6	0.0	124	0.0
	HP	1625	0	28.3	20.6	-0.3	77	0.0
	J&K	2305	576	44.3	37.0	-0.3	201	12.8
	Chandigarh	208	0	3.4	3.4	0.0	19	0.0
WR	Chhattisgarh	3414	0	71.7	20.1	-0.7	170	0.0
	Gujarat	15753	0	330.3	80.7	0.1	1175	0.0
	MP	13088	0	248.2	139.8	-3.8	419	0.0
	Maharashtra	21226	0	437.4	137.9	-2.5	658	0.0
	Goa	541	0	12.4	12.3	-0.5	48	0.0
	DD	317	0	6.8	6.3	0.5	46	0.0
	DNH	787	0	18.2	18.3	-0.1	44	0.0
	Essar steel	376	0	5.8	5.6	0.3	295	0.0
	Andhra Pradesh	7195	0	151.6	75.0	-0.6	284	0.0
SR	Telangana	7933	0	157.3	70.0	0.5	516	0.0
	Karnataka	8967	0	167.4	38.4	-1.7	472	0.0
	Kerala	3409	0	70.0	51.5	1.1	200	0.0
	Tamil Nadu	11671	0	230.6	142.3	0.0	1077	0.0
	Pondy	356	0	6.4	7.1	-0.6	40	0.0
	Bihar	3965	0	65.3	65.7	-1.5	75	0.0
ER	DVC	2954	0	58.0	-29.0	0.7	290	0.0
	Jharkhand	1128	0	23.7	16.1	-0.8	31	0.0
	Odisha	4508	0	85.4	19.1	0.6	210	0.0
	West Bengal	6265	0	108.5	25.5	2.9	410	0.0
	Sikkim	103	0	1.5	1.5	0.0	30	0.0
	NER	Arunachal Pradesh	115	1	2.3	2.2	-0.1	54
Assam		1342	23	23.4	16.5	1.8	128	0.5
Manipur		200	0	2.4	2.7	-0.3	26	0.0
Meghalaya		351	0	6.0	2.8	0.4	55	0.0
Mizoram		98	1	1.6	1.4	-0.1	23	0.0
Nagaland		118	2	2.2	2.1	-0.2	49	0.0
Tripura		220	0	2.6	1.9	-1.3	37	0.0

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	7.3	-3.6	-8.8
Day peak (MW)	589.8	-307.2	-561.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	178.7	-171.5	93.6	-99.5	-1.5	-0.1
Actual(MU)	175.6	-175.8	98.5	-100.9	-3.1	-5.7
O/D/U/D(MU)	-3.1	-4.3	4.8	-1.4	-1.6	-5.6

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	5691	18512	7972	1940	618	34733
State Sector	13305	17265	11850	6370	11	48801
Total	18996	35777	19822	8310	629	83534

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Coal	409	1073	397	416	13	2308
Lignite	22	16	30	0	0	67
Hydro	132	58	88	39	10	327
Nuclear	23	23	50	0	0	96
Gas, Naptha & Diesel	19	46	15	0	24	105
RES (Wind, Solar, Biomass & Others)	69	102	114	2	0	287
Total	675	1319	693	457	48	3191

Share of RES in total generation (%)	10.27	7.77	16.39	0.44	0.08	9.01
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	33.35	13.89	36.29	8.89	21.75	22.27

H. All India Demand Diversity Factor

Based on Regional Max Demands	1.031
Based on State Max Demands	1.089

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 :	3-Dec-19
Sl No	Voltage Level	Line Details	Circuit	Max Import (MW)	Max Export (MW)	Import (MU)	Export (MU)	NET (MU)	
								Import=(+ve) /Export =(-ve) for NET (MU)	
Import/Export of ER (With NR)									
1	765kV	GAYA-VARANASI	D/C	0	834	0.0	11.8	-11.8	
2		SASARAM-FATEHPUR	S/C	0	537	0.0	6.9	-6.9	
3		GAYA-BALIA	S/C	0	370	0.0	6.7	-6.7	
4	HVDC	ALIPURDUAR-AGRA	-	0	0	0.0	0.0	0.0	
5		PUSAULI B/B	S/C	0	198	0.0	5.0	-5.0	
6	400 kV	PUSAULI-VARANASI	S/C	0	141	0.0	2.7	-2.7	
7		PUSAULI -ALLAHABAD	S/C	0	146	0.0	2.1	-2.1	
8		MUZAFFARPUR-GORAKHPUR	D/C	0	1053	0.0	15.7	-15.7	
9		PATNA-BALIA	Q/C	0	942	0.0	16.9	-16.9	
10		BIHARSHARIFF-BALIA	D/C	0	358	0.0	5.3	-5.3	
11		MOTIHARI-GORAKHPUR	D/C	0	4	0.0	0.0	0.0	
12		BIHARSHARIFF-VARANASI	D/C	0	384	0.0	4.8	-4.8	
13	220 kV	PUSAULI-SAHUPURI	S/C	0	73	0.0	0.8	-0.8	
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	78.6	-78.2	
Import/Export of ER (With WR)									
18	765 kV	JHARSUGUDA-DHARAMJAIGARH	Q/C	1193	112	12.1	0.0	12.1	
19		NEW RANCHI-DHARAMJAIGARH	D/C	357	680	0.0	3.2	-3.2	
20		JHARSUGUDA-DURG	D/C	38	354	0.0	3.9	-3.9	
21	400 kV	JHARSUGUDA-RAIGARH	Q/C	287	186	2.0	0.0	2.0	
22		RANCHI-SIPAT	D/C	170	187	0.0	0.3	-0.3	
23	220 kV	BUDHIPADAR-RAIGARH	S/C	0	128	0.0	1.9	-1.9	
24		BUDHIPADAR-KORBA	D/C	132	10	1.5	0.0	1.5	
ER-WR						15.6	9.2	6.4	
Import/Export of ER (With SR)									
25	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	1736.0	0.0	31.8	-31.8	
26	HVDC	JEYPORE-GAZUWAKA B/B	D/C	0.0	550.0	0.0	12.4	-12.4	
27	LINK	TALCHER-KOLAR BIPOLE	D/C	0.0	1975.0	0.0	38.3	-38.3	
28	400 kV	TALCHER-I/C	D/C	637.0	506.0	0.0	0.2	-0.2	
29	220 kV	BALIMELA-UPPER-SILERRU	S/C	1.0	0.0	0.0	0.0	0.0	
ER-SR						0.0	82.5	-82.5	
Import/Export of ER (With NER)									
30	400 kV	BINAGURI-BONGAIGAON	D/C	303	35	4.3	0.0	4	
31		ALIPURDUAR-BONGAIGAON	D/C	344	15	5.1	0.0	5	
32	220 kV	ALIPURDUAR-SALAKATI	D/C	60	28	0.6	0.0	1	
ER-NER						9.9	0.0	9.9	
Import/Export of NER (With NR)									
33	HVDC	BISWANATH CHARIALI-AGRA	-	464	0	7.9	0.0	7.9	
NER-NR						7.9	0.0	7.9	
Import/Export of WR (With NR)									
34	HVDC	CHAMPA-KURUKSHETRA	D/C	0	851	0.0	15.4	-15.4	
35		V'CHAL B/B	D/C	451	0	8.8	0.0	8.8	
36		APL -MHG	D/C	0	1456	0.0	29.8	-29.8	
37	765 kV	GWALIOR-AGRA	D/C	0	1863	0.0	34.6	-34.6	
38		PHAGI-GWALIOR	D/C	0	1308	0.0	20.0	-20.0	
39		JABALPUR-ORAI	D/C	669	664	0.0	24.3	-24.3	
40		GWALIOR-ORAI	S/C	547	0	9.8	0.0	9.8	
41		SATNA-ORAI	S/C	0	1179	0.0	25.4	-25.4	
42		CHITTORGARH-BANASKANTHA	D/C	182	904	0.6	6.7	-6.2	
43		ZERDA-KANKROLI	S/C	109	138	0.5	0.0	0.5	
44	400 kV	ZERDA -BHINMAL	S/C	80	273	0.0	1.1	-1.1	
45		V'CHAL -RIHAND	S/C	980	0	22.7	0.0	22.7	
46	220 kV	RAPP-SHUJALPUR	D/C	206	184	0	0	0	
47		BHANPURA-RANPUR	S/C	13	58	0.8	0.1	0.7	
48		BHANPURA-MORAK	S/C	14	113	0.0	1.2	-1.2	
49		MEHGAON-AURAIYA	S/C	116	0	1.2	0.0	1.2	
50	132kV	MALANPUR-AURAIYA	S/C	71	15	0.5	0.0	0.5	
51		GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0	
WR-NR						44.9	158.7	-113.8	
Import/Export of WR (With SR)									
52	HVDC	BHADRAWATI B/B	-	0	610	0.0	12.3	-12.3	
53	LINK	BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0	
54	765 kV	SOLAPUR-RAICHUR	D/C	0	1656	0.0	19.2	-19.2	
55		WARDHA-NIZAMABAD	D/C	0	2086	0.0	33.9	-33.9	
56	400 kV	KOLHAPUR-KUDGI	D/C	535	0	8.7	0.0	8.7	
57	220 kV	KOLHAPUR-CHIKODI	D/C	0	0	0.0	0.0	0.0	
58		PONDA-AMBEWADI	S/C	0	88	0.0	1.4	-1.4	
59		XELDEM-AMBEWADI	S/C	0	98	1.5	0.0	1.5	
WR-SR						10.2	66.8	-56.5	
TRANSNATIONAL EXCHANGE									
60		BHUTAN						7.3	
61		NEPAL						-3.6	
62		BANGLADESH						-8.8	