



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: 10th Nov 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 09.11.2019.

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 09-नवम्बर-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 09th Nov 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

10-Nov-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)	43137	44864	37406	16734	2335	144476
Peak Shortage (MW)	294	0	0	0	74	368
Energy Met (MU)	853	998	848	323	43	3064
Hydro Gen (MU)	139	38	153	54	12	397
Wind Gen (MU)	30	66	7	-----	-----	103
Solar Gen (MU)*	31.31	20.7	72.21	0.93	0.02	125
Energy Shortage (MU)	6.1	0.0	0.0	0.0	0.9	7.0
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	43506 18:32	45906 18:34	39184 18:36	16744 17:58	2438 17:35	147529 18:32

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	0.021	0.00	0.00	1.40	1.40	79.63	18.97

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	5136	0	101.7	50.5	-1.6	29	0.0
	Haryana	5819	0	114.3	112.6	0.1	167	0.0
	Rajasthan	10957	0	215.6	56.4	-1.0	282	0.0
	Delhi	3142	0	61.4	45.7	-0.9	228	0.0
	UP	15271	0	270.7	127.2	0.6	743	0.3
	Uttarakhand	1694	0	34.5	18.4	0.7	169	0.0
	HP	1494	0	27.4	18.2	-0.6	149	0.0
	J&K	1571	393	24.5	19.5	-2.6	201	5.8
WR	Chandigarh	179	0	3.3	3.3	0.0	17	0.0
	Chhattisgarh	3296	0	70.9	25.6	-1.5	208	0.0
	Gujarat	13664	0	292.8	56.1	-1.7	381	0.0
	MP	9756	0	202.3	132.1	-3.0	388	0.0
	Maharashtra	18251	0	389.0	128.2	-1.7	401	0.0
	Goa	541	0	12.2	11.9	-0.3	78	0.0
	DD	327	0	7.3	6.5	0.8	55	0.0
	DNH	764	0	17.9	18.0	-0.1	25	0.0
SR	Essar steel	336	0	5.7	5.8	-0.1	269	0.0
	Andhra Pradesh	7740	0	164.9	63.2	0.6	618	0.0
	Telangana	7423	0	157.3	43.4	-0.3	407	0.0
	Karnataka	8506	0	166.9	34.5	0.7	754	0.0
	Kerala	3362	0	69.6	51.6	1.2	215	0.0
	Tamil Nadu	13299	0	281.2	146.1	0.3	333	0.0
	Pondy	367	0	7.6	7.8	-0.3	40	0.0
	ER	Bihar	4451	0	75.7	72.4	0.2	400
DVC		2928	0	62.3	-27.0	0.5	200	0.0
Jharkhand		1106	0	23.4	15.3	-0.8	100	0.0
Odisha		3269	0	60.4	2.2	-0.7	200	0.0
West Bengal		5244	0	99.6	25.1	1.7	350	0.0
Sikkim		100	0	1.3	1.5	-0.2	35	0.0
NER	Arunachal Pradesh	114	2	2.0	1.7	0.2	35	0.0
	Assam	1430	41	24.2	18.9	-0.2	99	0.9
	Manipur	161	3	2.3	2.3	0.0	16	0.0
	Meghalaya	353	0	6.4	3.0	0.2	43	0.0
	Mizoram	98	1	2.1	1.3	0.0	17	0.0
	Nagaland	122	2	2.2	1.8	0.1	31	0.0
	Tripura	220	4	3.4	3.1	-1.0	40	0.0

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	12.9	-0.2	-13.8
Day peak (MW)	655.4	-101.0	-587.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	199.1	-190.0	90.6	-99.1	-0.2	0.3
Actual(MU)	186.1	-199.2	107.9	-96.5	0.8	-0.8
O/D/U/D(MU)	-13.0	-9.2	17.4	2.6	1.0	-1.2

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	4550	18351	9352	965	563	33781
State Sector	14461	20116	9263	6240	11	50091
Total	19011	38467	18615	7205	575	83872

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Coal	406	995	379	385	10	2175
Lignite	14	16	40	0	0	70
Hydro	139	38	153	54	12	397
Nuclear	28	24	55	0	0	107
Gas, Naptha & Diesel	28	38	16	0	24	106
RES (Wind, Solar, Biomass & Others)	69	103	105	1	0	278
Total	685	1214	747	440	46	3132

Share of RES in total generation (%)	10.13	8.49	14.01	0.21	0.04	8.88
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	34.58	13.62	41.83	12.48	26.06	24.96

H. Diversity Factor

All India Demand Diversity Factor	1.002
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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 :	10-Nov-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	569	0.0	7.7	-7.7	
2		SASARAM-FATEHPUR	S/C	39	333	0.0	2.5	-2.5	
3		GAYA-BALIA	S/C	0	382	0.0	6.9	-6.9	
4	HVDC	ALIPURDUAR-AGRA	-	0	450	0.0	7.7	-7.7	
5		PUSAULI B/B	S/C	0	199	0.0	4.7	-4.7	
6	400 kV	PUSAULI-VARANASI	S/C	0	170	0.0	3.2	-3.2	
7		PUSAULI -ALLAHABAD	S/C	0	119	0.0	1.4	-1.4	
8		MUZAFFARPUR-GORAKHPUR	D/C	0	593	0.0	6.7	-6.7	
9		PATNA-BALIA	Q/C	0	892	0.0	15.3	-15.3	
10		BIHARSHARIFF-BALIA	D/C	0	320	0.0	4.1	-4.1	
11		MOTIHARI-GORAKHPUR	D/C	0	4	0.0	0.0	0.0	
12		BIHARSHARIFF-VARANASI	D/C	81	207	0.0	0.5	-0.5	
13	220 kV	PUSAULI-SAHUPURI	S/C	9	56	0.0	0.5	-0.5	
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	61.2	-60.8
Import/Export of ER (With WR)									
18	765 kV	JHARSUGUDA-DHARAMJAIGARH	Q/C	960	0	18.1	0.0	18.1	
19		NEW RANCHI-DHARAMJAIGARH	D/C	574	110	7.2	0.0	7.2	
20		JHARSUGUDA-DURG	D/C	78	182	0.0	0.7	-0.7	
21	400 kV	JHARSUGUDA-RAIGARH	Q/C	102	267	0.0	1.3	-1.3	
22		RANCHI-SIPAT	D/C	119	0	2.3	0.0	2.3	
23	220 kV	BUDHIPADAR-RAIGARH	S/C	13	67	0.0	0.5	-0.5	
24		BUDHIPADAR-KORBA	D/C	92	0	1.5	0.0	1.5	
						ER-WR	29.0	2.4	26.6
Import/Export of ER (With SR)									
25	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	2099.0	0.0	35.4	-35.4	
26	HVDC	JEYPORE-GAZUWAKA B/B	D/C	0.0	679.0	0.0	12.8	-12.8	
27	LINK	TALCHER-KOLAR BIPOLE	D/C	0.0	2473.0	0.0	39.6	-39.6	
28	400 kV	TALCHER-I/C	D/C	226.0	1349.0	0.0	10.8	-10.8	
29	220 kV	BALIMELA-UPPER-SILERRU	S/C	1.0	0.0	0.0	0.0	0.0	
						ER-SR	0.0	87.8	-87.8
Import/Export of ER (With NER)									
30	400 kV	BINAGURI-BONGAIGAON	D/C	0	341	0.0	3.9	-4	
31		ALIPURDUAR-BONGAIGAON	D/C	7	295	0.0	2.5	-3	
32	220 kV	ALIPURDUAR-SALAKATI	D/C	0	88	0.0	1.1	-1	
						ER-NER	0.0	7.5	-7.5
Import/Export of NER (With NR)									
33	HVDC	BISWANATH CHARIALI-AGRA	-	0	305	0.0	6.8	-6.8	
						NER-NR	0.0	6.8	-6.8
Import/Export of WR (With NR)									
34	HVDC	CHAMPA-KURUKSHETRA	D/C	0	511	0.0	12.6	-12.6	
35		V'CHAL B/B	D/C	452	0	12.1	0.0	12.1	
36		APL -MHG	D/C	0	1459	0.0	34.9	-34.9	
37	765 kV	GWALIOR-AGRA	D/C	0	2235	0.0	38.8	-38.8	
38		PHAGI-GWALIOR	D/C	0	1187	0.0	17.5	-17.5	
39		JABALPUR-ORAI	D/C	0	767	0.0	27.6	-27.6	
40		GWALIOR-ORAI	S/C	533	0	8.8	0.0	8.8	
41		SATNA-ORAI	S/C	0	1327	0.0	27.8	-27.8	
42		CHITTORGARH-BANASKANTHA	D/C	253	483	0.3	6.4	-6.1	
43		ZERDA-KANKROLI	S/C	55	54	0.3	0.1	0.2	
44	400 kV	ZERDA -BHINMAL	S/C	153	176	0.7	0.6	0.1	
45		V'CHAL -RIHAND	S/C	986	0	22.6	0.0	22.6	
46		RAPP-SHUJALPUR	D/C	234	81	1	0	1	
47	220 kV	BHANPURA-RANPUR	S/C	12	40	0.0	0.5	-0.5	
48		BHANPURA-MORAK	S/C	0	95	0.0	1.1	-1.1	
49		MEHGAON-AURAIYA	S/C	99	0	1.1	0.0	1.1	
50		MALANPUR-AURAIYA	S/C	52	23	0.2	0.1	0.1	
51	132kV	GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0	
						WR-NR	46.7	168.0	-121.3
Import/Export of WR (With SR)									
52	HVDC	BHADRAWATI B/B	-	0	1012	0.0	13.2	-13.2	
53	LINK	BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0	
54	765 kV	SOLAPUR-RAICHUR	D/C	817	1550	2.3	16.1	-13.8	
55		WARDHA-NIZAMABAD	D/C	0	2070	0.0	31.7	-31.7	
56	400 kV	KOLHAPUR-KUDGI	D/C	833	0	9.4	0.0	9.4	
57		KOLHAPUR-CHIKODI	D/C	0	0	0.0	0.0	0.0	
58	220 kV	PONDA-AMBEWADI	S/C	0	58	0.0	1.2	-1.2	
59		XELDEM-AMBEWADI	S/C	0	34	0.7	0.0	0.7	
						WR-SR	12.3	62.2	-49.9
TRANSNATIONAL EXCHANGE									
60		BHUTAN						12.9	
61		NEPAL						-0.2	
62		BANGLADESH						-13.8	