



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: 13th 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., डोंगतिह, 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 12.11.2019.

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 12-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 12th 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

13-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)	42618	46014	38879	18359	2341	148211
Peak Shortage (MW)	451	0	50	0	79	580
Energy Met (MU)	855	1052	895	353	42	3196
Hydro Gen (MU)	136	51	112	58	12	369
Wind Gen (MU)	12	13	35	-----	-----	59
Solar Gen (MU)*	21.34	20.48	83.30	2.15	0.04	127
Energy Shortage (MU)	11.3	0.0	0.0	0.0	0.6	11.9
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	43123 18:26	47747 18:21	41704 18:50	18329 18:00	2413 17:24	152559 18:30

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	0.037	0.00	0.00	5.53	5.53	73.70	20.76

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	4804	0	98.0	44.9	-1.2	48	0.0	
	Haryana	6103	0	114.1	111.5	1.3	246	0.0	
	Rajasthan	10934	0	214.4	62.1	0.9	748	0.0	
	Delhi	3217	0	59.9	44.7	-0.9	57	0.0	
	UP	14398	0	267.4	110.6	2.2	930	2.2	
	Uttarakhand	1680	0	33.0	17.9	0.2	139	0.0	
	HP	1444	0	26.8	17.9	-0.3	78	0.0	
	J&K	1978	495	38.1	33.2	-2.6	201	9.0	
	Chandigarh	175	0	3.2	3.2	0.0	28	0.0	
	WR	Chhattisgarh	3279	0	71.7	22.4	-0.3	175	0.0
Gujarat		14210	0	314.2	84.3	4.3	485	0.0	
MP		10676	0	214.7	145.4	-2.0	318	0.0	
Maharashtra		18678	0	408.4	131.9	-0.5	573	0.0	
Goa		541	0	12.5	11.6	0.3	65	0.0	
DD		324	0	7.3	6.8	0.5	40	0.0	
DNH		775	0	18.1	18.1	0.0	35	0.0	
Essar steel		302	0	5.2	5.7	-0.5	241	0.0	
SR		Andhra Pradesh	8363	0	176.0	78.4	0.0	581	0.0
		Telangana	8313	0	174.7	68.0	1.2	588	0.0
	Karnataka	9015	0	173.2	28.8	-0.7	590	0.0	
	Kerala	3461	0	69.7	51.7	1.5	208	0.0	
	Tamil Nadu	14213	0	293.5	146.4	0.0	886	0.0	
	Pondy	379	0	7.6	8.0	-0.4	27	0.0	
	ER	Bihar	4076	0	71.3	70.3	0.1	100	0.0
DVC		3011	0	63.5	-36.6	0.3	200	0.0	
Jharkhand		1218	0	23.6	14.8	-0.3	50	0.0	
Odisha		3855	0	78.4	7.1	0.4	200	0.0	
West Bengal		6656	0	115.2	34.9	1.9	400	0.0	
Sikkim		100	0	1.3	1.2	0.1	50	0.0	
NER	Arunachal Pradesh	106	2	2.0	1.6	0.3	34	0.0	
	Assam	1432	4	23.8	17.8	0.7	172	0.6	
	Manipur	164	43	2.4	2.3	0.1	18	0.0	
	Meghalaya	329	0	5.9	3.0	0.1	41	0.0	
	Mizoram	92	1	1.7	0.8	0.2	17	0.0	
	Nagaland	107	2	2.1	2.0	-0.2	29	0.0	
	Tripura	228	0	3.6	2.6	-0.7	14	0.0	

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	12.0	-0.4	-19.8
Day peak (MW)	685.2	-193.0	-1063.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	195.0	-194.6	92.5	-90.2	-2.7	-0.1
Actual(MU)	189.0	-192.2	94.4	-95.5	-1.4	-5.7
O/D/U/D(MU)	-6.0	2.4	1.9	-5.3	1.4	-5.6

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	4733	17983	8182	3240	563	34701
State Sector	13226	19095	8170	5080	11	45582
Total	17959	37078	16352	8320	575	80283

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Coal	429	1066	426	403	12	2337
Lignite	16	16	49	0	0	81
Hydro	136	51	112	58	12	369
Nuclear	28	24	55	0	0	107
Gas, Naptha & Diesel	28	57	16	0	24	125
RES (Wind, Solar, Biomass & Others)	47	39	150	2	0	238
Total	685	1254	807	464	47	3257

Share of RES in total generation (%)	6.88	3.11	18.56	0.47	0.08	7.31
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	30.86	9.11	39.20	13.03	25.21	21.93

H. Diversity Factor

All India Demand Diversity Factor	1.005
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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 :	13-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	750	0.0	10.9	-10.9	
2		SASARAM-FATEHPUR	S/C	0	389	0.0	5.5	-5.5	
3		GAYA-BALIA	S/C	0	443	0.0	7.7	-7.7	
4	HVDC	ALIPURDUAR-AGRA	-	0	0	0.0	0.0	0.0	
5		PUSAULI B/B	S/C	0	198	0.0	4.7	-4.7	
6	400 kV	PUSAULI-VARANASI	S/C	0	167	0.0	3.1	-3.1	
7		PUSAULI -ALLAHABAD	S/C	0	116	0.0	1.4	-1.4	
8		MUZAFFARPUR-GORAKHPUR	D/C	0	1067	0.0	15.6	-15.6	
9		PATNA-BALIA	Q/C	0	897	0.0	16.2	-16.2	
10		BIHARSHARIFF-BALIA	D/C	0	359	0.0	5.9	-5.9	
11		MOTIHARI-GORAKHPUR	D/C	0	7	0.0	0.0	0.0	
12		BIHARSHARIFF-VARANASI	D/C	21	259	0.0	2.3	-2.3	
13	220 kV	PUSAULI-SAHUPURI	S/C	1	58	0.0	0.9	-0.9	
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	74.2	-73.9
Import/Export of ER (With WR)									
18	765 kV	JHARSUGUDA-DHARAMJAIGARH	Q/C	1063	0	14.4	0.0	14.4	
19		NEW RANCHI-DHARAMJAIGARH	D/C	656	328	4.1	0.0	4.1	
20		JHARSUGUDA-DURG	D/C	93	177	0.0	0.5	-0.5	
21	400 kV	JHARSUGUDA-RAIGARH	Q/C	172	155	0.4	0.0	0.4	
22		RANCHI-SIPAT	D/C	142	12	1.7	0.0	1.7	
23	220 kV	BUDHIPADAR-RAIGARH	S/C	0	76	0.0	1.0	-1.0	
24		BUDHIPADAR-KORBA	D/C	141	0	2.4	0.0	2.4	
						ER-WR	22.9	1.5	21.5
Import/Export of ER (With SR)									
25	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	1837.0	0.0	31.3	-31.3	
26	HVDC	JEYPORE-GAZUWAKA B/B	D/C	0.0	679.0	0.0	15.9	-15.9	
27	LINK	TALCHER-KOLAR BIPOLE	D/C	0.0	1984.0	0.0	39.7	-39.7	
28	400 kV	TALCHER-I/C	D/C	116.0	986.0	0.0	11.3	-11.3	
29	220 kV	BALIMELA-UPPER-SILERRU	S/C	1.0	0.0	0.0	0.0	0.0	
						ER-SR	0.0	86.9	-86.9
Import/Export of ER (With NER)									
30	400 kV	BINAGURI-BONGAIGAON	D/C	317	0	5.2	0.0	5	
31		ALIPURDUAR-BONGAIGAON	D/C	343	0	5.1	0.0	5	
32	220 kV	ALIPURDUAR-SALAKATI	D/C	45	44	0.4	0.0	0	
						ER-NER	10.7	0.0	10.7
Import/Export of NER (With NR)									
33	HVDC	BISWANATH CHARIALI-AGRA	-	374	0	9.3	0.0	9.3	
						NER-NR	9.3	0.0	9.3
Import/Export of WR (With NR)									
34	HVDC	CHAMPA-KURUKSHETRA	D/C	0	1582	0.0	26.5	-26.5	
35		V'CHAL B/B	D/C	451	0	12.1	0.0	12.1	
36		APL -MHG	D/C	0	1551	0.0	31.7	-31.7	
37	765 kV	GWALIOR-AGRA	D/C	0	2554	0.0	39.9	-39.9	
38		PHAGI-GWALIOR	D/C	0	1648	0.0	22.5	-22.5	
39		JABALPUR-ORAI	D/C	0	834	0.0	27.5	-27.5	
40		GWALIOR-ORAI	S/C	884	0	12.0	0.0	12.0	
41		SATNA-ORAI	S/C	0	1346	0.0	27.7	-27.7	
42		CHITTORGARH-BANASKANTHA	D/C	230	629	0.0	3.1	-3.1	
43		ZERDA-KANKROLI	S/C	105	123	1.1	0.2	0.9	
44	400 kV	ZERDA -BHINMAL	S/C	176	300	0.8	1.6	-0.8	
45		V'CHAL -RIHAND	S/C	989	0	22.6	0.0	22.6	
46	220 kV	RAPP-SHUJALPUR	D/C	127	301	0	1	-1	
47		BHANPURA-RANPUR	S/C	42	27	0.2	0.1	0.1	
48		BHANPURA-MORAK	S/C	33	64	0.3	0.2	0.0	
49		MEHGAON-AURAIYA	S/C	93	0	1.3	0.0	1.3	
50	132kV	MALANPUR-AURAIYA	S/C	43	7	0.3	0.0	0.3	
51		GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0	
						WR-NR	50.7	181.8	-131.1
Import/Export of WR (With SR)									
52	HVDC	BHADRAWATI B/B	-	0	1012	0.0	18.3	-18.3	
53	LINK	BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0	
54	765 kV	SOLAPUR-RAICHUR	D/C	1464	1387	0.0	4.8	-4.8	
55		WARDHA-NIZAMABAD	D/C	160	2111	0.0	27.0	-27.0	
56	400 kV	KOLHAPUR-KUDGI	D/C	951	0	12.3	0.0	12.3	
57	220 kV	KOLHAPUR-CHIKODI	D/C	0	0	0.0	0.0	0.0	
58		PONDA-AMBEWADI	S/C	0	70	0.0	1.3	-1.3	
59		XELDEM-AMBEWADI	S/C	0	41	0.8	0.0	0.8	
						WR-SR	13.1	51.3	-38.3
TRANSNATIONAL EXCHANGE									
60		BHUTAN						12.0	
61		NEPAL						-0.4	
62		BANGLADESH						-19.8	