



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 Nov 2019

To,

- कार्यकारी निदेशक, पू.क्षे.भा.प्रे.के., 14, गोल्फ क्लब रोड, कोलकाता - 700033
Executive Director, ERLDC, 14 Golf Club Road, Tollygunge, Kolkata, 700033
- 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
- 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
- कार्यकारी निदेशक, ऊ.पू.क्षे.भा.प्रे.के., डोंगतिह, लोअर नोंग्रह, लापलंग, शिलोंग - 793006
Executive Director, NERLDC, Dongteih, Lower Nongrah, Lapalang, Shillong - 793006, Meghalaya
- 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 08.11.2019.

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 08-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 08th 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

9-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)	41751	44237	38398	18288	2354	145028
Peak Shortage (MW)	375	0	0	0	39	414
Energy Met (MU)	838	988	870	345	43	3085
Hydro Gen (MU)	137	34	122	54	12	360
Wind Gen (MU)	39	68	13	-----	-----	119
Solar Gen (MU)*	28.65	19.27	69.04	1.42	0.03	118
Energy Shortage (MU)	5.3	0.0	0.0	0.0	0.5	5.8
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	42043 18:26	45515 18:32	40134 18:33	18177 17:54	2537 17:54	148006 18:25

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	0.027	0.00	0.00	2.00	2.00	70.56	27.44

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	5305	0	99.0	49.5	-1.6	32	0.0
	Haryana	5857	0	114.7	112.4	1.0	234	0.0
	Rajasthan	10914	0	210.7	42.3	-3.4	731	0.0
	Delhi	3393	0	64.9	49.5	-0.4	277	0.0
	UP	14260	0	265.7	124.4	0.4	498	0.9
	Uttarakhand	1707	0	34.0	19.4	-0.5	84	0.0
	HP	1451	0	27.2	18.1	-0.8	84	0.0
	J&K	1090	192	18.9	16.9	-5.5	201	4.5
WR	Chandigarh	188	0	3.4	3.2	0.2	42	0.0
	Chhattisgarh	3388	0	73.8	28.1	-0.1	263	0.0
	Gujarat	13204	0	285.4	51.5	-3.0	708	0.0
	MP	9318	0	196.2	132.3	-2.0	278	0.0
	Maharashtra	17899	0	387.1	127.9	-3.0	601	0.0
	Goa	541	0	12.6	12.2	-0.2	261	0.0
	DD	331	0	7.4	6.6	0.7	59	0.0
	DNH	766	0	17.9	18.0	-0.1	53	0.0
SR	Essar steel	428	0	7.5	7.4	0.2	308	0.0
	Andhra Pradesh	7823	0	171.0	77.8	1.2	516	0.0
	Telangana	7673	0	161.8	61.2	0.7	356	0.0
	Karnataka	8507	0	168.5	38.2	1.8	568	0.0
	Kerala	3521	0	71.5	52.8	1.3	242	0.0
	Tamil Nadu	13922	0	289.9	146.3	-1.8	398	0.0
	Pondy	382	0	7.6	7.8	-0.3	26	0.0
	ER	Bihar	4355	0	74.6	72.3	-1.6	100
DVC		2958	0	62.1	-30.2	1.2	230	0.0
Jharkhand		1261	0	23.9	16.3	-1.4	34	0.0
Odisha		3567	0	66.3	5.2	-0.2	450	0.0
West Bengal		6535	0	117.2	37.3	5.1	550	0.0
Sikkim		100	0	1.3	1.4	-0.2	20	0.0
NER	Arunachal Pradesh	113	2	2.1	1.7	0.2	40	0.0
	Assam	1523	26	24.8	19.2	0.0	111	0.5
	Manipur	155	3	2.4	2.3	0.1	27	0.0
	Meghalaya	335	0	6.0	2.6	0.3	51	0.0
	Mizoram	97	1	2.0	0.9	0.5	12	0.0
	Nagaland	127	2	2.2	2.0	0.0	28	0.0
	Tripura	227	4	3.8	2.8	-0.6	19	0.0

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	13.6	-0.3	-17.9
Day peak (MW)	693.2	-110.0	-903.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	194.6	-186.4	84.9	-93.5	0.8	0.4
Actual(MU)	160.6	-191.9	114.2	-84.6	2.1	0.2
O/D/U/D(MU)	-34.1	-5.5	29.2	9.0	1.3	-0.2

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	5603	18211	8682	965	563	34024
State Sector	14251	19738	9263	5440	11	48703
Total	19854	37949	17945	6405	575	82727

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Coal	421	991	407	397	10	2226
Lignite	13	14	49	0	0	76
Hydro	137	34	122	54	12	360
Nuclear	22	24	55	0	0	100
Gas, Naptha & Diesel	29	34	16	0	23	102
RES (Wind, Solar, Biomass & Others)	74	103	113	1	0	292
Total	697	1200	761	453	46	3156

Share of RES in total generation (%)	10.69	8.57	14.88	0.32	0.07	9.25
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	33.49	13.42	38.03	12.29	26.83	23.81

H. Diversity Factor

All India Demand Diversity Factor	1.003
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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 :	9-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	608	0.0	7.0	-7.0	
2		SASARAM-FATEHPUR	S/C	42	335	0.0	3.3	-3.3	
3		GAYA-BALIA	S/C	0	415	0.0	6.0	-6.0	
4	HVDC	ALIPURDUAR-AGRA	-	0	300	0.0	0.2	-0.2	
5		PUSAULI B/B	S/C	0	198	0.0	4.8	-4.8	
6	400 kV	PUSAULI-VARANASI	S/C	0	168	0.0	3.2	-3.2	
7		PUSAULI -ALLAHABAD	S/C	0	113	0.0	1.4	-1.4	
8		MUZAFFARPUR-GORAKHPUR	D/C	0	783	0.0	8.8	-8.8	
9		PATNA-BALIA	Q/C	0	1044	0.0	16.2	-16.2	
10		BIHARSHARIFF-BALIA	D/C	0	330	0.0	4.2	-4.2	
11		MOTIHARI-GORAKHPUR	D/C	0	7	0.0	0.0	0.0	
12		BIHARSHARIFF-VARANASI	D/C	93	219	0.0	0.8	-0.8	
13	220 kV	PUSAULI-SAHUPURI	S/C	7	64	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	56.5	-56.1	
Import/Export of ER (With WR)									
18	765 kV	JHARSUGUDA-DHARAMJAIGARH	Q/C	940	0	18.2	0.0	18.2	
19		NEW RANCHI-DHARAMJAIGARH	D/C	702	352	5.9	0.0	5.9	
20		JHARSUGUDA-DURG	D/C	99	171	0.0	0.5	-0.5	
21	400 kV	JHARSUGUDA-RAIGARH	Q/C	143	281	0.0	2.2	-2.2	
22		RANCHI-SIPAT	D/C	144	26	1.7	0.0	1.7	
23	220 kV	BUDHIPADAR-RAIGARH	S/C	30	49	0.0	0.5	-0.5	
24		BUDHIPADAR-KORBA	D/C	109	0	1.4	0.0	1.4	
ER-WR						27.2	3.2	24.0	
Import/Export of ER (With SR)									
25	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	2173.0	0.0	37.2	-37.2	
26	HVDC	JEYPORE-GAZUWAKA B/B	D/C	0.0	527.0	0.0	12.2	-12.2	
27	LINK	TALCHER-KOLAR BIPOLE	D/C	0.0	1979.0	0.0	36.4	-36.4	
28	400 kV	TALCHER-I/C	D/C	574.0	1000.0	0.0	5.2	-5.2	
29	220 kV	BALIMELA-UPPER-SILERRU	S/C	1.0	0.0	0.0	0.0	0.0	
ER-SR						0.0	85.7	-85.7	
Import/Export of ER (With NER)									
30	400 kV	BINAGURI-BONGAIGAON	D/C	93	260	0.0	0.3	0	
31		ALIPURDUAR-BONGAIGAON	D/C	44	319	0.0	1.5	-1	
32	220 kV	ALIPURDUAR-SALAKATI	D/C	5	77	0.0	0.5	-1	
ER-NER						0.0	2.4	-2.4	
Import/Export of NER (With NR)									
33	HVDC	BISWANATH CHARIALI-AGRA	-	0	300	0.0	0.7	-0.7	
NER-NR						0.0	0.7	-0.7	
Import/Export of WR (With NR)									
34	HVDC	CHAMPA-KURUKSHETRA	D/C	0	752	0.0	15.0	-15.0	
35		V'CHAL B/B	D/C	452	0	12.1	0.0	12.1	
36		APL -MHG	D/C	0	1460	0.0	36.4	-36.4	
37	765 kV	GWALIOR-AGRA	D/C	0	2295	0.0	37.5	-37.5	
38		PHAGI-GWALIOR	D/C	0	1010	0.0	12.7	-12.7	
39		JABALPUR-ORAI	D/C	0	773	0.0	23.8	-23.8	
40		GWALIOR-ORAI	S/C	426	0	7.6	0.0	7.6	
41		SATNA-ORAI	S/C	0	1340	0.0	26.4	-26.4	
42		CHITTORGARH-BANASKANTHA	D/C	425	486	0.0	2.6	-2.6	
43		ZERDA-KANKROLI	S/C	115	39	0.5	0.1	0.4	
44	400 kV	ZERDA -BHINMAL	S/C	357	109	3.0	0.2	2.8	
45		V'CHAL -RIHAND	S/C	988	0	22.6	0.0	22.6	
46		RAPP-SHUJALPUR	D/C	269	245	2	0	2	
47	220 kV	BHANPURA-RANPUR	S/C	33	41	0.0	0.3	-0.2	
48		BHANPURA-MORAK	S/C	11	73	0.0	0.5	-0.5	
49		MEHGAON-AURAIYA	S/C	114	0	1.2	0.0	1.2	
50		MALANPUR-AURAIYA	S/C	75	25	0.3	0.1	0.2	
51	132kV	GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0	
WR-NR						49.2	155.6	-106.4	
Import/Export of WR (With SR)									
52	HVDC	BHADRAWATI B/B	-	287	1009	0.0	13.1	-13.1	
53	LINK	BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0	
54	765 kV	SOLAPUR-RAICHUR	D/C	279	1686	0.3	19.0	-18.7	
55		WARDHA-NIZAMABAD	D/C	0	2277	0.0	37.2	-37.2	
56	400 kV	KOLHAPUR-KUDGI	D/C	715	0	7.8	0.0	7.8	
57	220 kV	KOLHAPUR-CHIKODI	D/C	0	0	0.0	0.0	0.0	
58		PONDA-AMBEWADI	S/C	0	69	0.0	1.3	-1.3	
59		XELDEM-AMBEWADI	S/C	0	40	0.7	0.0	0.7	
WR-SR						8.9	70.6	-61.7	
TRANSNATIONAL EXCHANGE									
60		BHUTAN						13.6	
61		NEPAL						-0.3	
62		BANGLADESH						-17.9	