



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: 12th 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 11.11.2019.

महोदय/Dear Sir,

आईईजीसी-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 11-नवम्बर-2019 की अखिल भारतीय प्रणाली की दैनिक ग्रिड निष्पादन रिपोर्ट रांभांप्रेके 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 11th 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

12-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)	42187	46333	38445	17856	2318	147139
Peak Shortage (MW)	442	0	0	0	56	498
Energy Met (MU)	851	1035	863	345	42	3135
Hydro Gen (MU)	137	42	132	59	12	382
Wind Gen (MU)	7	19	19	-----	-----	44
Solar Gen (MU)*	31.33	19.7	76.36	1.80	0.03	129
Energy Shortage (MU)	9.7	0.0	0.0	0.0	0.7	10.4
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	42452 18:19	47411 18:19	40627 18:37	18077 18:18	2308 17:42	150551 18:19

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	0.024	0.00	0.00	0.75	0.75	75.31	23.94

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	5032	0	99.0	43.0	-1.5	67	0.0
	Haryana	5679	0	107.9	106.9	-0.1	146	0.0
	Rajasthan	10976	0	212.4	67.0	0.1	416	0.0
	Delhi	3234	0	63.2	46.7	-0.1	244	0.0
	UP	14220	0	269.0	119.2	1.0	991	1.1
	Uttarakhand	1710	0	32.9	18.1	-0.1	107	0.0
	HP	1533	0	27.3	17.5	0.5	143	0.0
	J&K	2000	500	36.2	31.1	-2.4	201	8.6
WR	Chandigarh	179	0	3.3	3.2	0.1	21	0.0
	Chhattisgarh	3343	0	72.1	23.5	-0.6	299	0.0
	Gujarat	14379	0	308.7	76.2	1.9	674	0.0
	MP	10329	0	209.1	142.6	-3.4	439	0.0
	Maharashtra	18691	0	402.5	133.8	-1.8	506	0.0
	Goa	541	0	12.2	11.4	0.2	52	0.0
	DD	317	0	6.9	6.5	0.4	41	0.0
	DNH	769	0	17.7	17.9	-0.2	61	0.0
SR	Essar steel	274	0	5.3	5.7	-0.4	284	0.0
	Andhra Pradesh	8308	0	173.2	75.3	1.0	362	0.0
	Telangana	7527	0	160.5	47.1	0.6	446	0.0
	Karnataka	8688	0	168.5	31.4	-0.5	785	0.0
	Kerala	3451	0	67.9	52.4	1.3	163	0.0
	Tamil Nadu	14126	0	286.3	147.3	-0.1	590	0.0
	Pondy	368	0	6.5	8.0	-1.5	18	0.0
ER	Bihar	4307	0	74.8	73.0	1.0	430	0.0
	DVC	2993	0	62.8	-29.0	0.0	170	0.0
	Jharkhand	1184	0	23.9	14.5	0.3	60	0.0
	Odisha	3622	0	73.3	4.4	3.3	160	0.0
	West Bengal	6470	0	109.0	32.1	1.4	220	0.0
	Sikkim	100	0	1.2	1.3	-0.1	55	0.0
NER	Arunachal Pradesh	105	5	2.1	1.7	0.2	45	0.0
	Assam	1385	52	23.6	16.5	1.0	117	0.6
	Manipur	170	3	2.3	2.3	0.0	24	0.0
	Meghalaya	339	1	5.9	3.2	-0.1	130	0.0
	Mizoram	92	2	1.8	0.9	0.1	8	0.0
	Nagaland	102	2	2.2	1.9	0.0	21	0.0
	Tripura	226	12	4.3	2.2	0.6	43	0.0

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	12.6	-0.4	-15.1
Day peak (MW)	627.5	-180.1	-913.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	196.8	-194.0	96.2	-98.6	-1.5	-1.0
Actual(MU)	187.7	-189.1	100.4	-99.1	0.1	0.1
O/D/U/D(MU)	-9.1	4.8	4.2	-0.5	1.6	1.0

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	5393	17773	8392	2935	563	35056
State Sector	12776	18770	9533	5080	11	46170
Total	18169	36543	17925	8015	575	81226

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Coal	420	1065	394	403	11	2292
Lignite	17	16	44	0	0	77
Hydro	137	42	132	59	12	382
Nuclear	28	24	55	0	0	107
Gas, Naptha & Diesel	29	45	15	0	24	113
RES (Wind, Solar, Biomass & Others)	52	47	130	2	0	231
Total	683	1239	769	464	47	3202

Share of RES in total generation (%)	7.59	3.82	16.85	0.40	0.06	7.20
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	31.72	9.11	41.09	13.14	26.52	22.45

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 :	12-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	615	0.0	9.0	-9.0	
2		SASARAM-FATEHPUR	S/C	0	369	0.0	4.7	-4.7	
3		GAYA-BALIA	S/C	0	368	0.0	6.2	-6.2	
4	HVDC	ALIPURDUAR-AGRA	-	0	0	0.0	0.0	0.0	
5		PUSAULI B/B	S/C	0	198	0.0	4.9	-4.9	
6	400 kV	PUSAULI-VARANASI	S/C	0	161	0.0	3.1	-3.1	
7		PUSAULI -ALLAHABAD	S/C	0	122	0.0	1.6	-1.6	
8		MUZAFFARPUR-GORAKHPUR	D/C	0	873	0.0	12.2	-12.2	
9		PATNA-BALIA	Q/C	0	1006	0.0	17.6	-17.6	
10		BIHARSHARIFF-BALIA	D/C	0	284	0.0	4.6	-4.6	
11		MOTIHARI-GORAKHPUR	D/C	1	8	0.0	0.0	0.0	
12		BIHARSHARIFF-VARANASI	D/C	52	253	0.0	1.8	-1.8	
13	220 kV	PUSAULI-SAHUPURI	S/C	8	64	0.0	0.7	-0.7	
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	66.4	-66.0
Import/Export of ER (With WR)									
18	765 kV	JHARSUGUDA-DHARAMJAIGARH	Q/C	805	0	13.2	0.0	13.2	
19		NEW RANCHI-DHARAMJAIGARH	D/C	472	354	2.5	0.0	2.5	
20		JHARSUGUDA-DURG	D/C	22	157	0.0	1.2	-1.2	
21	400 kV	JHARSUGUDA-RAIGARH	Q/C	138	332	0.0	2.1	-2.1	
22		RANCHI-SIPAT	D/C	107	31	1.0	0.0	1.0	
23	220 kV	BUDHIPADAR-RAIGARH	S/C	4	70	0.0	1.2	-1.2	
24		BUDHIPADAR-KORBA	D/C	130	0	1.7	0.0	1.7	
						ER-WR	18.5	4.5	14.0
Import/Export of ER (With SR)									
25	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	2050.0	0.0	35.2	-35.2	
26	HVDC	JEYPORE-GAZUWAKA B/B	D/C	0.0	680.0	0.0	15.9	-15.9	
27	LINK	TALCHER-KOLAR BIPOLE	D/C	0.0	1984.0	0.0	44.8	-44.8	
28	400 kV	TALCHER-I/C	D/C	66.0	991.0	0.0	9.5	-9.5	
29	220 kV	BALIMELA-UPPER-SILERRU	S/C	1.0	0.0	0.0	0.0	0.0	
						ER-SR	0.0	95.9	-95.9
Import/Export of ER (With NER)									
30	400 kV	BINAGURI-BONGAIGAON	D/C	290	9	4.8	0.0	5	
31		ALIPURDUAR-BONGAIGAON	D/C	297	20	4.3	0.0	4	
32	220 kV	ALIPURDUAR-SALAKATI	D/C	42	50	0.2	0.0	0	
						ER-NER	9.3	0.0	9.3
Import/Export of NER (With NR)									
33	HVDC	BISWANATH CHARIALI-AGRA	-	0	366	6.8	0.0	6.8	
						NER-NR	6.8	0.0	6.8
Import/Export of WR (With NR)									
34	HVDC	CHAMPA-KURUKSHETRA	D/C	0	1829	0.0	31.1	-31.1	
35		V'CHAL B/B	D/C	451	0	12.2	0.0	12.2	
36		APL -MHG	D/C	0	2099	0.0	33.9	-33.9	
37	765 kV	GWALIOR-AGRA	D/C	0	2212	0.0	36.9	-36.9	
38		PHAGI-GWALIOR	D/C	0	1358	0.0	21.4	-21.4	
39		JABALPUR-ORAI	D/C	0	822	0.0	25.3	-25.3	
40		GWALIOR-ORAI	S/C	565	0	10.5	0.0	10.5	
41		SATNA-ORAI	S/C	0	1260	0.0	27.4	-27.4	
42		CHITTORGARH-BANASKANTHA	D/C	321	521	0.0	4.8	-4.8	
43		ZERDA-KANKROLI	S/C	132	89	1.3	0.2	1.1	
44	400 kV	ZERDA -BHINMAL	S/C	257	309	0.7	1.7	-1.0	
45		V'CHAL -RIHAND	S/C	995	0	22.8	0.0	22.8	
46		RAPP-SHUJALPUR	D/C	172	177	1	1	0	
47	220 kV	BHANPURA-RANPUR	S/C	49	45	0.3	0.2	0.2	
48		BHANPURA-MORAK	S/C	32	65	0.2	0.3	-0.1	
49		MEHGAON-AURAIYA	S/C	113	0	1.6	0.0	1.6	
50		MALANPUR-AURAIYA	S/C	63	2	0.6	0.0	0.6	
51	132kV	GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0	
						WR-NR	50.6	184.0	-133.4
Import/Export of WR (With SR)									
52	HVDC	BHADRAWATI B/B	-	0	1016	0.0	16.4	-16.4	
53	LINK	BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0	
54	765 kV	SOLAPUR-RAICHUR	D/C	1021	1385	3.4	11.4	-7.9	
55		WARDHA-NIZAMABAD	D/C	0	2017	0.0	28.0	-28.0	
56	400 kV	KOLHAPUR-KUDGI	D/C	878	0	11.1	0.0	11.1	
57	220 kV	KOLHAPUR-CHIKODI	D/C	0	0	0.0	0.0	0.0	
58		PONDA-AMBEWADI	S/C	0	65	0.0	1.3	-1.3	
59		XELDEM-AMBEWADI	S/C	0	39	0.7	0.0	0.7	
						WR-SR	15.2	57.0	-41.8
TRANSNATIONAL EXCHANGE									
60		BHUTAN						12.6	
61		NEPAL						-0.4	
62		BANGLADESH						-15.1	