



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: 07th 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 06.11.2019.

महोदय/Dear Sir,

आईंईंजींसीं-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 06-नवम्बर-2019 की अखिल भारतीय प्रणाली की दैनिक ग्रिड निष्पादन रिपोर्ट रांभांप्रेंकें 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 06th 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

7-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)	42092	45455	38818	18945	2452	147762
Peak Shortage (MW)	509	0	0	0	55	564
Energy Met (MU)	891	1018	881	360	43	3193
Hydro Gen (MU)	134	47	138	60	13	392
Wind Gen (MU)	11	8	8	-----	-----	27
Solar Gen (MU)*	27.74	19.6	76.72	1.82	-----	126
Energy Shortage (MU)	11.0	0.0	0.0	0.0	0.9	11.9
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	43989 18:36	46416 18:35	41372 18:27	18873 17:51	2536 17:44	152778 18:36

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	0.028	0.00	0.00	2.13	2.13	74.61	23.26

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	5185	0	106.7	46.8	-1.6	36	0.0
	Haryana	6004	0	119.6	107.4	0.7	176	0.0
	Rajasthan	11284	0	218.6	67.7	-2.4	321	0.0
	Delhi	3560	0	67.6	51.3	-0.6	132	0.1
	UP	14540	0	272.9	112.6	0.7	544	1.5
	Uttarakhand	1719	0	34.2	18.7	0.4	987	0.0
	HP	1566	0	27.9	17.7	0.5	96	0.0
	J&K	2038	509	40.1	34.3	-1.7	110	9.5
WR	Chandigarh	190	0	3.5	3.3	0.2	32	0.0
	Chhattisgarh	3530	0	75.9	28.3	-1.2	244	0.0
	Gujarat	13592	0	293.8	78.9	3.2	454	0.0
	MP	9771	0	203.4	142.5	-2.3	325	0.0
	Maharashtra	18567	0	400.2	129.5	-2.2	837	0.0
	Goa	541	0	12.7	11.9	0.2	48	0.0
	DD	327	0	7.4	6.9	0.5	40	0.0
	DNH	771	0	18.0	18.1	-0.1	118	0.0
SR	Essar steel	336	0	6.3	5.8	0.5	299	0.0
	Andhra Pradesh	7924	0	173.5	74.2	1.4	691	0.0
	Telangana	7867	0	162.4	45.6	0.4	420	0.0
	Karnataka	8809	0	171.6	40.7	0.9	651	0.0
	Kerala	3624	0	71.0	51.2	1.2	206	0.0
	Tamil Nadu	14123	0	295.3	152.5	-0.4	392	0.0
	Pondy	374	0	7.0	7.6	-0.6	23	0.0
ER	Bihar	4217	0	74.0	73.3	-1.6	200	0.0
	DVC	2834	0	61.4	-17.5	0.8	360	0.0
	Jharkhand	1187	0	24.0	16.0	-1.1	50	0.0
	Odisha	3812	0	74.4	2.2	1.6	400	0.0
	West Bengal	7046	0	125.3	46.4	1.0	265	0.0
	Sikkim	101	0	1.3	1.6	-0.3	20	0.0
NER	Arunachal Pradesh	111	1	2.2	1.9	0.1	58	0.0
	Assam	1490	26	24.5	18.7	-0.2	148	0.9
	Manipur	157	2	2.5	2.2	0.2	23	0.0
	Meghalaya	332	0	6.0	2.6	0.2	58	0.0
	Mizoram	94	1	1.7	0.9	0.1	18	0.0
	Nagaland	122	2	2.1	2.0	-0.3	14	0.0
	Tripura	250	0	4.1	3.2	-0.3	34	0.0

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	15.0	-2.2	-19.2
Day peak (MW)	705.4	-213.0	-1100.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	206.4	-189.9	71.0	-87.4	0.1	0.2
Actual(MU)	200.4	-199.9	88.8	-94.9	0.4	-5.2
O/D/U/D(MU)	-6.0	-10.0	17.8	-7.5	0.3	-5.3

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	3978	17083	7582	965	563	30171
State Sector	10771	18665	9073	6130	11	44650
Total	14749	35747	16655	7095	575	74820

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Coal	455	1068	423	428	12	2385
Lignite	18	13	50	0	0	81
Hydro	134	47	138	60	13	392
Nuclear	28	24	55	0	0	106
Gas, Naptha & Diesel	30	40	16	0	24	109
RES (Wind, Solar, Biomass & Others)	47	32	116	2	0	196
Total	712	1223	798	490	48	3270

Share of RES in total generation (%)	6.54	2.62	14.54	0.38	0.08	6.01
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	29.28	8.37	38.69	12.63	27.24	21.23

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 :	7-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	21	729	0.0	9.5	-9.5	
2		SASARAM-FATEHPUR	S/C	34	422	0.0	4.9	-4.9	
3		GAYA-BALIA	S/C	0	387	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	196	0.0	4.8	-4.8	
6	400 kV	PUSAULI-VARANASI	S/C	0	181	0.0	3.0	-3.0	
7		PUSAULI -ALLAHABAD	S/C	0	118	0.0	1.6	-1.6	
8		MUZAFFARPUR-GORAKHPUR	D/C	0	891	0.0	12.1	-12.1	
9		PATNA-BALIA	Q/C	0	1113	0.0	21.0	-21.0	
10		BIHARSHARIFF-BALIA	D/C	2	334	0.0	4.5	-4.5	
11		MOTIHARI-GORAKHPUR	D/C	0	6	0.0	0.0	0.0	
12		BIHARSHARIFF-VARANASI	D/C	115	289	0.0	2.1	-2.1	
13	220 kV	PUSAULI-SAHUPURI	S/C	16	70	0.0	1.0	-1.0	
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	71.3	-70.9
Import/Export of ER (With WR)									
18	765 kV	JHARSUGUDA-DHARAMJAIGARH	Q/C	850	355	7.9	0.0	7.9	
19		NEW RANCHI-DHARAMJAIGARH	D/C	579	184	5.7	0.0	5.7	
20		JHARSUGUDA-DURG	D/C	35	223	0.0	1.6	-1.6	
21	400 kV	JHARSUGUDA-RAIGARH	Q/C	2	281	3.0	0.0	3.0	
22		RANCHI-SIPAT	D/C	180	32	1.7	0.0	1.7	
23	220 kV	BUDHIPADAR-RAIGARH	S/C	0	82	0.0	1.2	-1.2	
24		BUDHIPADAR-KORBA	D/C	66	1	0.7	0.0	0.7	
						ER-WR	19.0	2.8	16.2
Import/Export of ER (With SR)									
25	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	1935.0	0.0	34.0	-34.0	
26	HVDC	JEYPORE-GAZUWAKA B/B	D/C	0.0	519.0	0.0	12.3	-12.3	
27	LINK	TALCHER-KOLAR BIPOLE	D/C	0.0	1978.0	0.0	40.3	-40.3	
28	400 kV	TALCHER-I/C	D/C	1057.0	427.0	1.3	0.0	1.3	
29	220 kV	BALIMELA-UPPER-SILERRU	S/C	1.0	0.0	0.0	0.0	0.0	
						ER-SR	0.0	86.6	-86.6
Import/Export of ER (With NER)									
30	400 kV	BINAGURI-BONGAIGAON	D/C	147	227	1.0	0.0	1	
31		ALIPURDUAR-BONGAIGAON	D/C	109	286	0.0	0.7	-1	
32	220 kV	ALIPURDUAR-SALAKATI	D/C	17	78	0.0	0.4	0	
						ER-NER	1.0	1.0	-0.1
Import/Export of NER (With NR)									
33	HVDC	BISWANATH CHARIALI-AGRA	-	0	0	0.0	0.0	0.0	
						NER-NR	0.0	0.0	0.0
Import/Export of WR (With NR)									
34	HVDC	CHAMPA-KURUKSHETRA	D/C	0	1655	0.0	20.5	-20.5	
35		V'CHAL B/B	D/C	451	0	8.7	0.0	8.7	
36		APL -MHG	D/C	0	1456	0.0	30.1	-30.1	
37	765 kV	GWALIOR-AGRA	D/C	0	2346	0.0	41.6	-41.6	
38		PHAGI-GWALIOR	D/C	0	1311	0.0	22.0	-22.0	
39		JABALPUR-ORAI	D/C	0	880	0.0	30.5	-30.5	
40		GWALIOR-ORAI	S/C	527	0	10.1	0.0	10.1	
41		SATNA-ORAI	S/C	0	1387	0.0	28.7	-28.7	
42		CHITTORGARH-BANASKANTHA	D/C	145	415	0.0	2.8	-2.8	
43		ZERDA-KANKROLI	S/C	68	38	0.4	0.0	0.3	
44	400 kV	ZERDA -BHINMAL	S/C	90	143	0.2	0.8	-0.7	
45		V'CHAL -RIHAND	S/C	988	0	22.7	0.0	22.7	
46	220 kV	RAPP-SHUJALPUR	D/C	163	130	0	0	0	
47		BHANPURA-RANPUR	S/C	27	41	0.0	0.3	-0.2	
48		BHANPURA-MORAK	S/C	20	74	0.0	0.4	-0.4	
49		MEHGAON-AURAIYA	S/C	98	0	1.0	0.0	1.0	
50		MALANPUR-AURAIYA	S/C	65	20	0.2	0.1	0.1	
51	132kV	GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0	
						WR-NR	43.2	178.1	-134.9
Import/Export of WR (With SR)									
52	HVDC	BHADRAWATI B/B	-	0	1012	0.0	14.1	-14.1	
53	LINK	BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0	
54	765 kV	SOLAPUR-RAICHUR	D/C	513	1050	0.0	10.2	-10.2	
55		WARDHA-NIZAMABAD	D/C	0	1889	0.0	27.6	-27.6	
56	400 kV	KOLHAPUR-KUDGI	D/C	737	0	8.1	0.0	8.1	
57		KOLHAPUR-CHIKODI	D/C	0	0	0.0	0.0	0.0	
58	220 kV	PONDA-AMBEWADI	S/C	0	74	0.0	1.4	-1.4	
59		XELDEM-AMBEWADI	S/C	0	43	0.8	0.0	0.8	
						WR-SR	8.9	53.3	-44.4
TRANSNATIONAL EXCHANGE									
60		BHUTAN						15.0	
61		NEPAL						-2.2	
62		BANGLADESH						-19.2	