



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: 06th 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 05.11.2019.

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 05-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 05th 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

6-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)	43366	45008	38626	19444	2404	148848
Peak Shortage (MW)	564	0	0	0	94	658
Energy Met (MU)	886	1001	852	374	44	3156
Hydro Gen (MU)	139	51	151	67	12	420
Wind Gen (MU)	3	8	7	-----	-----	18
Solar Gen (MU)*	31.59	21.1	82.68	1.80	0.04	137
Energy Shortage (MU)	12.7	0.0	0.0	0.0	1.0	13.7
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	43919 18:47	46307 18:33	40487 18:29	19515 18:16	2537 17:25	152322 18:46

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	0.042	0.00	1.08	7.65	8.73	75.10	16.17

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	5141	0	106.4	45.3	-1.6	19	0.0
	Haryana	5861	0	118.0	106.9	-0.6	154	0.0
	Rajasthan	10864	0	215.9	71.1	-1.5	303	0.0
	Delhi	3476	0	66.4	50.7	-0.6	150	0.0
	UP	14547	0	270.5	109.7	-2.0	387	2.4
	Uttarakhand	1738	0	34.4	18.1	0.5	121	0.0
	HP	1557	0	27.2	17.0	0.8	142	0.0
	J&K	2255	564	43.3	36.9	-1.1	394	10.3
WR	Chandigarh	189	0	3.5	3.4	0.1	22	0.0
	Chhattisgarh	3520	0	75.0	29.3	-2.6	132	0.0
	Gujarat	13039	0	289.3	69.0	-0.3	512	0.0
	MP	9394	0	196.9	139.0	-0.1	437	0.0
	Maharashtra	18637	0	395.1	123.3	-2.0	597	0.0
	Goa	541	0	12.7	11.2	0.9	326	0.0
	DD	321	0	7.2	6.6	0.6	38	0.0
	DNH	766	0	17.6	17.8	-0.2	80	0.0
SR	Essar steel	359	0	6.7	6.8	-0.1	264	0.0
	Andhra Pradesh	7709	0	167.9	70.5	1.2	558	0.0
	Telangana	7448	0	159.5	41.6	-0.1	531	0.0
	Karnataka	8312	0	165.2	34.0	-0.2	550	0.0
	Kerala	3548	0	69.4	50.4	1.1	174	0.0
	Tamil Nadu	14085	0	283.1	150.5	0.9	597	0.0
	Pondy	360	0	7.1	7.4	-0.4	31	0.0
	ER	Bihar	4362	0	75.1	75.4	-0.8	260
DVC		2897	0	61.1	-18.9	-0.6	235	0.0
Jharkhand		1191	0	24.0	15.4	-0.6	80	0.0
Odisha		4082	0	84.9	3.4	-0.6	400	0.0
West Bengal		7263	0	128.1	51.3	0.6	290	0.0
Sikkim		100	0	1.2	1.5	-0.3	30	0.0
NER	Arunachal Pradesh	115	1	2.0	1.7	0.1	81	0.0
	Assam	1506	70	25.4	18.9	0.9	100	1.0
	Manipur	151	1	2.6	2.2	0.4	73	0.0
	Meghalaya	356	0	5.8	2.7	0.1	48	0.0
	Mizoram	95	1	1.6	0.9	0.4	19	0.0
	Nagaland	121	1	2.3	1.9	0.1	15	0.0
	Tripura	253	1	4.0	3.2	-0.5	70	0.0

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	17.2	-1.9	-18.7
Day peak (MW)	696.0	-161.7	-881.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	199.3	-196.6	71.7	-73.5	-0.8	0.2
Actual(MU)	196.1	-192.2	74.0	-81.0	-0.1	-3.1
O/D/U/D(MU)	-3.2	4.4	2.2	-7.5	0.8	-3.3

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	3978	18083	8742	965	597	32364
State Sector	12866	18369	9703	6170	11	47119
Total	16844	36451	18445	7135	608	79483

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Coal	459	1045	393	420	11	2328
Lignite	18	13	46	0	0	76
Hydro	139	51	151	67	12	420
Nuclear	28	24	57	0	0	109
Gas, Naptha & Diesel	29	47	16	0	25	116
RES (Wind, Solar, Biomass & Others)	42	33	119	2	0	196
Total	715	1211	782	489	48	3245

Share of RES in total generation (%)	5.82	2.71	15.24	0.38	0.08	6.03
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	29.15	8.85	41.92	14.10	24.97	22.32

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 :	6-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	48	531	0.0	7.3	-7.3	
2		SASARAM-FATEHPUR	S/C	0	307	0.0	4.0	-4.0	
3		GAYA-BALIA	S/C	0	322	0.0	6.0	-6.0	
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	180	0.0	3.3	-3.3	
7		PUSAULI -ALLAHABAD	S/C	0	97	0.0	1.4	-1.4	
8		MUZAFFARPUR-GORAKHPUR	D/C	0	741	0.0	10.0	-10.0	
9		PATNA-BALIA	Q/C	0	992	0.0	18.6	-18.6	
10		BIHARSHARIFF-BALIA	D/C	0	224	0.0	3.6	-3.6	
11		MOTIHARI-GORAKHPUR	D/C	0	7	0.0	0.0	0.0	
12		BIHARSHARIFF-VARANASI	D/C	92	178	0.0	0.8	-0.8	
13	220 kV	PUSAULI-SAHUPURI	S/C	0	58	0.0	0.8	-0.8	
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	60.5	-60.1
Import/Export of ER (With WR)									
18	765 kV	JHARSUGUDA-DHARAMJAIGARH	Q/C	782	197	3.9	0.0	3.9	
19		NEW RANCHI-DHARAMJAIGARH	D/C	533	211	5.6	0.0	5.6	
20		JHARSUGUDA-DURG	D/C	5	207	0.0	2.5	-2.5	
21	400 kV	JHARSUGUDA-RAIGARH	Q/C	404	121	4.7	0.0	4.7	
22		RANCHI-SIPAT	D/C	191	0	1.7	0.0	1.7	
23	220 kV	BUDHIPADAR-RAIGARH	S/C	13	66	0.0	0.7	-0.7	
24		BUDHIPADAR-KORBA	D/C	70	9	0.8	0.0	0.8	
						ER-WR	16.6	3.1	13.5
Import/Export of ER (With SR)									
25	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	1700.0	0.0	29.0	-29.0	
26	HVDC	JEYPORE-GAZUWAKA B/B	D/C	0.0	650.0	0.0	14.1	-14.1	
27	LINK	TALCHER-KOLAR BIPOLE	D/C	0.0	1985.0	0.0	37.9	-37.9	
28	400 kV	TALCHER-I/C	D/C	1059.0	506.0	4.1	0.0	4.1	
29	220 kV	BALIMELA-UPPER-SILERRU	S/C	1.0	0.0	0.0	0.0	0.0	
						ER-SR	0.0	81.0	-81.0
Import/Export of ER (With NER)									
30	400 kV	BINAGURI-BONGAIGAON	D/C	186	147	1.3	0.0	1	
31		ALIPURDUAR-BONGAIGAON	D/C	148	193	0.0	0.4	0	
32	220 kV	ALIPURDUAR-SALAKATI	D/C	18	67	0.0	0.4	0	
						ER-NER	1.3	0.8	0.5
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	1002	0.0	27.0	-27.0	
35		V'CHAL B/B	D/C	451	0	12.1	0.0	12.1	
36		APL -MHG	D/C	0	1078	0.0	26.7	-26.7	
37	765 kV	GWALIOR-AGRA	D/C	0	2254	0.0	40.9	-40.9	
38		PHAGI-GWALIOR	D/C	0	1198	0.0	22.7	-22.7	
39		JABALPUR-ORAI	D/C	0	797	0.0	29.0	-29.0	
40		GWALIOR-ORAI	S/C	534	0	10.2	0.0	10.2	
41		SATNA-ORAI	S/C	0	1335	0.0	28.4	-28.4	
42		CHITTORGARH-BANASKANTHA	D/C	238	476	0.0	5.4	-5.4	
43		ZERDA-KANKROLI	S/C	55	79	0.2	0.1	0.1	
44	400 kV	ZERDA -BHINMAL	S/C	126	214	0.1	2.4	-2.2	
45		V'CHAL -RIHAND	S/C	984	0	22.4	0.0	22.4	
46	220 kV	RAPP-SHUJALPUR	D/C	92	143	0	1	-1	
47		BHANPURA-RANPUR	S/C	39	31	0.1	0.2	-0.1	
48		BHANPURA-MORAK	S/C	10	65	0.0	0.5	-0.5	
49		MEHGAON-AURAIYA	S/C	89	0	0.9	0.0	0.9	
50		MALANPUR-AURAIYA	S/C	45	23	0.1	0.1	0.0	
51	132kV	GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0	
						WR-NR	46.1	184.6	-138.4
Import/Export of WR (With SR)									
52	HVDC	BHADRAWATI B/B	-	287	1016	0.0	17.4	-17.4	
53	LINK	BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0	
54	765 kV	SOLAPUR-RAICHUR	D/C	808	1097	0.0	6.6	-6.6	
55		WARDHA-NIZAMABAD	D/C	125	1843	0.0	25.0	-25.0	
56	400 kV	KOLHAPUR-KUDGI	D/C	831	55	9.4	0.0	9.4	
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	38	0.8	0.0	0.8	
						WR-SR	10.1	50.4	-40.3
TRANSNATIONAL EXCHANGE									
60		BHUTAN						17.2	
61		NEPAL						-1.9	
62		BANGLADESH						-18.7	