



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: 24th Oct 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 23.10.2019.

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 23-अक्टूबर-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 23rd Oct 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

24-Oct-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)	49663	47058	35538	19221	2524	154004
Peak Shortage (MW)	989	0	0	0	88	1077
Energy Met (MU)	936	1049	773	396	45	3199
Hydro Gen (MU)	154	55	146	84	11	451
Wind Gen (MU)	5	42	42	-----	-----	88
Solar Gen (MU)*	29.97	21	58.66	1.87	0.04	112
Energy Shortage (MU)	11.3	0.0	0.0	0.0	0.7	12.1
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	46595 18:53	46539 18:29	37040 18:50	19794 18:10	2733 17:59	151999 18:53

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	0.030	0.00	0.00	2.51	2.51	77.16	20.32

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	6015	0	124.3	64.4	-1.7	32	0.0
	Haryana	6685	0	137.9	114.9	1.1	116	0.0
	Rajasthan	10021	0	200.6	61.5	-0.9	440	0.0
	Delhi	3782	0	73.7	59.8	-1.9	166	0.0
	UP	14964	0	291.5	126.6	9.8	2173	1.3
	Uttarakhand	1760	0	34.6	19.3	0.3	1082	0.0
	HP	1542	0	27.8	16.1	0.5	124	0.0
	J&K	2120	1060	42.3	34.2	-0.7	225	10.0
WR	Chandigarh	205	0	3.7	3.7	0.0	15	0.0
	Chhattisgarh	3454	0	75.8	24.6	-1.1	157	0.0
	Gujarat	15298	0	337.7	76.5	1.3	440	0.0
	MP	7855	0	164.3	105.8	-2.8	340	0.0
	Maharashtra	20299	0	427.5	133.9	-2.9	600	0.0
	Goa	541	0	11.5	10.7	0.2	57	0.0
	DD	342	0	7.6	7.0	0.6	49	0.0
	DNH	781	0	18.3	18.2	0.1	95	0.0
SR	Essar steel	319	0	6.2	6.2	0.0	256	0.0
	Andhra Pradesh	6931	0	144.4	53.3	-1.1	505	0.0
	Telangana	7029	0	146.2	43.8	-1.7	408	0.0
	Karnataka	7658	0	147.4	30.6	-2.1	571	0.0
	Kerala	3369	0	65.6	48.6	0.6	166	0.0
	Tamil Nadu	12883	0	262.0	134.7	-4.0	543	0.0
	Pondy	377	0	7.3	7.9	-0.6	52	0.0
	ER	Bihar	4411	0	80.2	79.0	-1.1	100
DVC		3000	0	61.7	-22.0	0.4	240	0.0
Jharkhand		1051	0	23.6	19.0	-1.3	50	0.0
Odisha		3885	0	79.8	10.9	8.3	450	0.0
West Bengal		7659	0	149.6	58.8	1.1	200	0.0
Sikkim		100	0	1.1	1.6	-0.5	10	0.0
NER	Arunachal Pradesh	118	1	2.2	2.1	-0.1	17	0.0
	Assam	1661	53	26.7	22.1	-0.4	131	0.6
	Manipur	174	2	2.7	2.4	0.3	23	0.0
	Meghalaya	330	0	5.9	2.6	0.2	46	0.0
	Mizoram	97	2	1.7	0.4	0.6	22	0.0
	Nagaland	127	2	2.1	2.2	-0.3	3	0.0
	Tripura	279	0	3.8	3.8	0.1	68	0.0

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	22.6	-1.4	-26.2
Day peak (MW)	1071.0	-202.4	-1122.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	239.6	-224.6	40.5	-61.6	5.9	-0.1
Actual(MU)	236.5	-232.6	31.1	-41.4	7.8	1.4
O/D/U/D(MU)	-3.1	-8.0	-9.4	20.3	1.8	1.6

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	3005	16316	7552	2630	660	30163
State Sector	10851	18681	12223	6060	11	47826
Total	13856	34997	19775	8690	672	77989

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Coal	453	1040	349	383	11	2235
Lignite	16	16	51	0	0	83
Hydro	154	55	147	84	11	451
Nuclear	27	29	60	0	0	115
Gas, Naptha & Diesel	25	72	16	0	23	135
RES (Wind, Solar, Biomass & Others)	43	67	129	2	0	241
Total	719	1278	751	469	45	3260

Share of RES in total generation (%)	6.00	5.26	17.13	0.40	0.09	7.39
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	31.18	11.80	44.59	18.38	25.70	24.76

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 :	24-Oct-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	417	0.0	5.4	-5.4	
2		SASARAM-FATEHPUR	S/C	164	141	0.5	0.0	0.5	
3		GAYA-BALIA	S/C	0	326	0.0	6.4	-6.4	
4	HVDC	ALIPURDUAR-AGRA	-	0	500	0.0	11.9	-11.9	
5		PUSAULI B/B	S/C	0	198	0.0	4.9	-4.9	
6	400 kV	PUSAULI-VARANASI	S/C	0	190	0.0	3.8	-3.8	
7		PUSAULI -ALLAHABAD	S/C	0	93	0.0	0.9	-0.9	
8		MUZAFFARPUR-GORAKHPUR	D/C	51	575	0.0	6.5	-6.5	
9		PATNA-BALIA	Q/C	0	988	0.0	16.4	-16.4	
10		BIHARSHARIFF-BALIA	D/C	0	232	0.0	2.8	-2.8	
11		MOTIHARI-GORAKHPUR	D/C	0	8	0.0	0.0	0.0	
12		BIHARSHARIFF-VARANASI	D/C	182	119	1.2	0.0	1.2	
13	220 kV	PUSAULI-SAHUPURI	S/C	2	119	0.0	2.1	-2.1	
14	132 kV	SONE NAGAR-RIHAND	S/C	0	0	0.0	0.0	0.0	
15		GARWAH-RIHAND	S/C	30	0	0.3	0.0	0.3	
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						2.0	61.1	-59.0	
Import/Export of ER (With WR)									
18	765 kV	JHARSUGUDA-DHARAMJAIGARH	Q/C	1240	0	18.0	0.0	18.0	
19		NEW RANCHI-DHARAMJAIGARH	D/C	1255	0	16.6	0.0	16.6	
20		JHARSUGUDA-DURG	D/C	179	74	1.6	0.0	1.6	
21	400 kV	JHARSUGUDA-RAIGARH	Q/C	197	223	0.9	0.0	0.9	
22		RANCHI-SIPAT	D/C	426	0	7.1	0.0	7.1	
23	220 kV	BUDHIPADAR-RAIGARH	S/C	10	67	0.0	0.6	-0.6	
24		BUDHIPADAR-KORBA	D/C	156	0	2.5	0.0	2.5	
ER-WR						46.6	0.6	46.0	
Import/Export of ER (With SR)									
25	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	1453.0	0.0	19.4	-19.4	
26	HVDC	JEYPORE-GAZUWAKA B/B	D/C	0.0	504.0	0.0	10.8	-10.8	
27	LINK	TALCHER-KOLAR BIPOLE	D/C	0.0	1188.0	0.0	21.0	-21.0	
28	400 kV	TALCHER-I/C	D/C	887.0	0.0	9.8	0.0	9.8	
29	220 kV	BALIMELA-UPPER-SILERRU	S/C	1.0	0.0	0.0	0.0	0.0	
ER-SR						0.0	51.2	-51.2	
Import/Export of ER (With NER)									
30	400 kV	BINAGURI-BONGAIGAON	D/C	0	467	0.0	6.2	-6	
31		ALIPURDUAR-BONGAIGAON	D/C	0	341	0.0	3.8	-4	
32	220 kV	ALIPURDUAR-SALAKATI	D/C	0	112	0.0	1.5	-2	
ER-NER						0.0	11.5	-11.5	
Import/Export of NER (With NR)									
33	HVDC	BISWANATH CHARIALI-AGRA	-	0	304	0.0	5.2	-5.2	
NER-NR						0.0	5.2	-5.2	
Import/Export of WR (With NR)									
34	HVDC	CHAMPA-KURUKSHETRA	D/C	0	751	0.0	16.9	-16.9	
35		V'CHAL B/B	D/C	293	3	7.1	0.0	7.1	
36		APL -MHG	D/C	0	1462	0.0	33.9	-33.9	
37	765 kV	GWALIOR-AGRA	D/C	0	2404	0.0	48.0	-48.0	
38		PHAGI-GWALIOR	D/C	0	1271	0.0	25.7	-25.7	
39		JABALPUR-ORAI	D/C	0	821	0.0	34.4	-34.4	
40		GWALIOR-ORAI	S/C	470	0	8.3	0.0	8.3	
41		SATNA-ORAI	S/C	0	1444	0.0	31.6	-31.6	
42		CHITTORGARH-BANASKANTHA	D/C	0	806	0.0	11.0	-11.0	
43		ZERDA-KANKROLI	S/C	14	94	0.0	0.8	-0.8	
44	400 kV	ZERDA -BHINMAL	S/C	0	258	0.0	3.5	-3.5	
45		V'CHAL -RIHAND	S/C	971	0	19.1	0.0	19.1	
46		RAPP-SHUJALPUR	D/C	39	226	0	2	-2	
47	220 kV	BHANPURA-RANPUR	S/C	19	41	0.0	0.5	-0.5	
48		BHANPURA-MORAK	S/C	0	79	0.0	1.0	-1.0	
49		MEHGAON-AURAIYA	S/C	38	28	0.2	0.1	0.1	
50		MALANPUR-AURAIYA	S/C	3	51	0.0	0.6	-0.6	
51	132kV	GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0	
WR-NR						34.8	209.7	-175.0	
Import/Export of WR (With SR)									
52	HVDC	BHADRAWATI B/B	-	195	312	0.0	2.5	-2.5	
53	LINK	BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0	
54	765 kV	SOLAPUR-RAICHUR	D/C	856	1116	5.5	5.7	-0.2	
55		WARDHA-NIZAMABAD	D/C	0	1950	0.0	22.7	-22.7	
56	400 kV	KOLHAPUR-KUDGI	D/C	956	0	13.7	0.0	13.7	
57	220 kV	KOLHAPUR-CHIKODI	D/C	0	0	0.0	0.0	0.0	
58		PONDA-AMBEWADI	S/C	0	63	0.0	1.2	-1.2	
59		XELDEM-AMBEWADI	S/C	0	36	0.7	0.0	0.7	
WR-SR						19.9	32.1	-12.2	
TRANSNATIONAL EXCHANGE									
60		BHUTAN						22.6	
61		NEPAL						-1.4	
62		BANGLADESH						-26.2	