



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: 21th 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., 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 20.10.2019.

महोदय/Dear Sir,

आईईजीसी-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 20-अक्टूबर-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 20th 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

21-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)	43117	43747	33073	20037	2627	142601
Peak Shortage (MW)	528	0	0	0	97	625
Energy Met (MU)	924	997	749	415	48	3134
Hydro Gen (MU)	158	47	97	94	12	407
Wind Gen (MU)	14	33	19	-----	-----	65
Solar Gen (MU)*	26.50	14.62	62.49	1.71	0.04	105
Energy Shortage (MU)	15.0	0.0	0.0	0.0	1.7	16.7
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	44468 19:15	44854 18:47	33629 18:43	20624 18:52	2715 18:47	145564 18:43

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	0.25	3.26	3.52	79.91	16.57

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	5210	0	110.9	58.8	-1.4	94	0.0
	Haryana	6499	0	137.5	99.3	0.0	143	0.0
	Rajasthan	9676	0	202.2	63.3	-2.7	374	0.0
	Delhi	3595	0	75.3	59.5	-1.1	55	0.0
	UP	15397	0	299.3	131.2	1.9	570	4.0
	Uttarakhand	1548	0	31.8	16.1	0.4	208	0.0
	HP	1285	0	23.7	10.9	1.0	186	1.5
	J&K	2292	573	40.0	32.1	-1.1	201	9.5
Chandigarh	181	0	3.3	3.4	-0.1	19	0.0	
WR	Chhattisgarh	3230	0	75.7	25.9	-1.5	158	0.0
	Gujarat	15334	0	343.1	87.0	2.5	370	0.0
	MP	7813	0	168.1	114.6	-2.2	249	0.0
	Maharashtra	16971	0	368.4	122.6	-5.5	427	0.0
	Goa	541	0	10.8	10.4	-0.2	80	0.0
	DD	311	0	7.2	6.6	0.6	48	0.0
	DNH	770	0	18.1	18.2	-0.1	27	0.0
	Essar steel	312	0	5.9	5.7	0.2	266	0.0
SR	Andhra Pradesh	6836	0	149.7	63.2	-0.9	376	0.0
	Telangana	6529	0	142.9	47.6	-2.4	451	0.0
	Karnataka	7131	0	138.3	24.4	-0.7	518	0.0
	Kerala	3026	0	61.8	45.0	0.9	219	0.0
	Tamil Nadu	11497	0	249.8	133.4	-1.6	381	0.0
	Pondy	334	0	6.6	7.1	-0.5	46	0.0
ER	Bihar	4627	0	83.8	83.5	-2.0	205	0.0
	DVC	2917	0	61.6	-26.1	0.1	210	0.0
	Jharkhand	1035	0	22.3	18.6	-1.8	50	0.0
	Odisha	4597	0	90.4	17.6	7.4	520	0.0
	West Bengal	7753	0	156.5	45.6	2.5	280	0.0
Sikkim	87	0	0.8	1.3	-0.5	15	0.0	
NER	Arunachal Pradesh	108	1	2.1	2.0	-0.1	9	0.0
	Assam	1675	90	29.1	23.3	0.6	131	1.7
	Manipur	156	2	2.2	2.3	-0.1	25	0.0
	Meghalaya	317	0	6.0	2.8	0.2	43	0.0
	Mizoram	87	2	1.8	0.4	1.0	43	0.0
	Nagaland	133	1	1.9	2.2	-0.6	41	0.0
	Tripura	280	1	4.9	3.6	0.7	32	0.0

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	24.5	-1.9	-26.4
Day peak (MW)	1050.0	-231.7	-1143.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	208.9	-219.1	55.5	-55.8	8.6	-1.9
Actual(MU)	202.0	-231.7	60.7	-45.4	13.0	-1.3
O/D/U/D(MU)	-6.9	-12.6	5.3	10.5	4.4	0.6

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	2631	15656	8652	1970	910	29819
State Sector	9616	16945	10003	5160	11	41735
Total	12247	32601	18655	7130	922	71554

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Coal	466	1027	373	386	7	2259
Lignite	16	13	52	0	0	82
Hydro	158	47	97	94	12	407
Nuclear	28	29	46	0	0	103
Gas, Naptha & Diesel	26	65	15	0	22	128
RES (Wind, Solar, Biomass & Others)	50	51	112	2	0	215
Total	743	1233	696	481	41	3194

Share of RES in total generation (%)	6.71	4.13	16.15	0.37	0.10	6.73
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	31.67	10.31	36.76	19.80	28.95	22.71

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 :	21-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	357	0.0	4.5	-4.5	
2		SASARAM-FATEHPUR	S/C	182	79	1.5	0.0	1.5	
3		GAYA-BALIA	S/C	0	347	0.0	5.7	-5.7	
4	HVDC	ALIPURDUAR-AGRA	-	0	701	0.0	15.8	-15.8	
5		PUSAULI B/B	S/C	0	198	0.0	4.9	-4.9	
6	400 kV	PUSAULI-VARANASI	S/C	0	187	0.0	3.8	-3.8	
7		PUSAULI -ALLAHABAD	S/C	0	85	0.0	1.0	-1.0	
8		MUZAFFARPUR-GORAKHPUR	D/C	30	502	0.0	3.7	-3.7	
9		PATNA-BALIA	Q/C	0	876	0.0	13.4	-13.4	
10		BIHARSHARIFF-BALIA	D/C	0	232	0.0	1.8	-1.8	
11		MOTIHARI-GORAKHPUR	D/C	0	9	0.0	0.0	0.0	
12		BIHARSHARIFF-VARANASI	D/C	208	72	2.6	0.0	2.6	
13	220 kV	PUSAULI-SAHUPURI	S/C	0	138	0.0	2.6	-2.6	
14	132 kV	SONE NAGAR-RIHAND	S/C	0	0	0.0	0.0	0.0	
15		GARWAH-RIHAND	S/C	30	0	0.3	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	4.5	57.0	-52.5
Import/Export of ER (With WR)									
18	765 kV	JHARSUGUDA-DHARAMJAIGARH	Q/C	1709	0	29.5	0.0	29.5	
19		NEW RANCHI-DHARAMJAIGARH	D/C	1118	0	17.2	0.0	17.2	
20		JHARSUGUDA-DURG	D/C	233	0	3.7	0.0	3.7	
21	400 kV	JHARSUGUDA-RAIGARH	Q/C	275	28	3.5	0.0	3.5	
22		RANCHI-SIPAT	D/C	405	0	6.0	0.0	6.0	
23	220 kV	BUDHIPADAR-RAIGARH	S/C	23	49	0.0	0.3	-0.3	
24		BUDHIPADAR-KORBA	D/C	181	0	3.6	0.0	3.6	
						ER-WR	63.5	0.3	63.2
Import/Export of ER (With SR)									
25	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	1568.0	0.0	23.3	-23.3	
26	HVDC	JEYPORE-GAZUWAKA B/B	D/C	0.0	482.0	0.0	11.1	-11.1	
27	LINK	TALCHER-KOLAR BIPOLE	D/C	0.0	1187.0	0.0	28.9	-28.9	
28	400 kV	TALCHER-I/C	D/C	298.0	205.0	0.0	3.0	-3.0	
29	220 kV	BALIMELA-UPPER-SILERRU	S/C	1.0	0.0	0.0	0.0	0.0	
						ER-SR	0.0	63.3	-63.3
Import/Export of ER (With NER)									
30	400 kV	BINAGURI-BONGAIGAON	D/C	0	615	0.0	11.1	-11	
31		ALIPURDUAR-BONGAIGAON	D/C	0	467	0.0	8.4	-8	
32	220 kV	ALIPURDUAR-SALAKATI	D/C	0	138	0.0	2.5	-3	
						ER-NER	0.0	22.0	-22.0
Import/Export of NER (With NR)									
33	HVDC	BISWANATH CHARIALI-AGRA	-	0	503	0.0	10.6	-10.6	
						NER-NR	0.0	10.6	-10.6
Import/Export of WR (With NR)									
34	HVDC	CHAMPA-KURUKSHETRA	D/C	0	751	0.0	13.5	-13.5	
35		V'CHAL B/B	D/C	449	0	12.1	0.0	12.1	
36		APL -MHG	D/C	0	1553	0.0	38.9	-38.9	
37	765 kV	GWALIOR-AGRA	D/C	0	2237	0.0	42.6	-42.6	
38		PHAGI-GWALIOR	D/C	0	1008	0.0	19.6	-19.6	
39		JABALPUR-ORAI	D/C	0	761	0.0	30.5	-30.5	
40		GWALIOR-ORAI	S/C	366	0	7.5	0.0	7.5	
41		SATNA-ORAI	S/C	0	1306	0.0	28.7	-28.7	
42		CHITTORGARH-BANASKANTHA	D/C	25	599	0.0	4.4	-4.4	
43		ZERDA-KANKROLI	S/C	83	57	0.7	0.1	0.6	
44	400 kV	ZERDA -BHINMAL	S/C	105	190	0.6	1.1	-0.5	
45		V'CHAL -RIHAND	S/C	981	0	22.6	0.0	22.6	
46		RAPP-SHUJALPUR	D/C	0	285	0	4	-4	
47	220 kV	BHANPURA-RANPUR	S/C	23	49	0.0	0.7	-0.7	
48		BHANPURA-MORAK	S/C	0	80	0.0	1.1	-1.1	
49		MEHGAON-AURAIYA	S/C	46	12	0.2	0.0	0.2	
50		MALANPUR-AURAIYA	S/C	11	41	0.0	0.5	-0.5	
51	132kV	GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0	
						WR-NR	43.7	185.0	-141.3
Import/Export of WR (With SR)									
52	HVDC	BHADRAWATI B/B	-	0	525	0.0	7.3	-7.3	
53	LINK	BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0	
54	765 kV	SOLAPUR-RAICHUR	D/C	496	1168	0.0	5.5	-5.5	
55		WARDHA-NIZAMABAD	D/C	0	1662	0.0	23.3	-23.3	
56	400 kV	KOLHAPUR-KUDGI	D/C	701	0	11.0	0.0	11.0	
57	220 kV	KOLHAPUR-CHIKODI	D/C	0	0	0.0	0.0	0.0	
58		PONDA-AMBEWADI	S/C	0	62	0.0	1.2	-1.2	
59		XELDEM-AMBEWADI	S/C	0	39	0.7	0.0	0.7	
						WR-SR	11.7	37.4	-25.7
TRANSNATIONAL EXCHANGE									
60		BHUTAN						24.5	
61		NEPAL						-1.9	
62		BANGLADESH						-26.4	