



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: 23rd 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 22.10.2019.

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 22-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 22nd 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

23-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)	45204	46819	35962	20571	2659	151215
Peak Shortage (MW)	563	0	0	0	79	642
Energy Met (MU)	929	1020	770	416	46	3180
Hydro Gen (MU)	153	64	158	90	12	476
Wind Gen (MU)	4	28	20	-----	-----	51
Solar Gen (MU)*	31.21	18	53.60	1.78	0.03	105
Energy Shortage (MU)	13.5	0.0	0.0	0.0	0.9	14.4
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	46137 18:38	47253 18:38	36323 18:53	21154 18:50	2716 18:02	153147 18:38

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	0.026	0.00	0.00	2.43	2.43	76.47	21.10

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	5915	0	119.7	61.6	-1.0	112	0.0
	Haryana	6658	0	132.4	105.4	0.4	284	0.0
	Rajasthan	9919	0	202.6	66.3	-1.6	257	0.0
	Delhi	3803	0	75.9	60.2	-1.0	148	0.0
	UP	15055	0	290.5	124.5	5.0	598	3.4
	Uttarakhand	1697	0	34.7	19.2	0.0	90	0.0
	HP	1488	0	27.2	15.3	0.5	236	0.0
	J&K	2244	561	42.6	34.3	-0.6	254	10.2
WR	Chandigarh	177	0	3.4	3.6	-0.2	15	0.0
	Chhattisgarh	3599	0	76.7	26.6	-1.3	189	0.0
	Gujarat	15780	0	347.8	82.4	2.9	545	0.0
	MP	8087	0	169.7	111.5	-2.2	385	0.0
	Maharashtra	18419	0	383.7	131.8	-2.9	622	0.0
	Goa	541	0	10.8	10.7	-0.5	71	0.0
	DD	341	0	7.6	7.0	0.6	50	0.0
	DNH	765	0	17.1	17.6	-0.5	158	0.0
SR	Essar steel	352	0	6.3	5.7	0.6	302	0.0
	Andhra Pradesh	6884	0	146.7	56.6	-0.1	762	0.0
	Telangana	6942	0	146.8	37.3	-1.0	396	0.0
	Karnataka	7336	0	146.2	30.8	-1.9	716	0.0
	Kerala	3387	0	65.9	46.5	1.1	233	0.0
	Tamil Nadu	12791	0	257.5	137.1	-0.3	676	0.0
	Pondy	370	0	7.2	7.6	-0.4	63	0.0
	ER	Bihar	4669	0	82.6	81.7	-1.8	50
DVC		3039	0	62.7	-20.0	-0.2	100	0.0
Jharkhand		1196	0	23.9	18.7	-0.6	80	0.0
Odisha		4278	0	85.8	12.8	9.0	400	0.0
West Bengal		8357	0	159.6	64.7	0.6	200	0.0
NER	Sikkim	100	0	1.1	1.5	-0.3	5	0.0
	Arunachal Pradesh	121	2	2.0	1.9	-0.2	12	0.0
	Assam	1629	46	26.9	22.2	0.2	103	0.8
	Manipur	164	3	2.5	2.3	0.2	20	0.0
	Meghalaya	344	0	5.9	2.6	0.1	52	0.0
	Mizoram	91	2	1.7	0.4	0.5	9	0.0
	Nagaland	125	3	2.2	2.1	-0.3	15	0.0
	Tripura	276	3	4.7	3.6	0.2	76	0.0

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	23.2	-1.9	-26.2
Day peak (MW)	1051.9	-239.7	-1134.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	230.0	-232.0	37.0	-42.4	8.0	0.6
Actual(MU)	224.2	-241.7	37.0	-31.4	11.1	-0.8
O/D/U/D(MU)	-5.8	-9.8	0.1	11.0	3.1	-1.4

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	3005	16556	7052	1970	681	29264
State Sector	10851	17885	11413	5850	11	46010
Total	13856	34441	18465	7820	693	75274

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Coal	452	1034	363	383	7	2240
Lignite	16	15	54	0	0	85
Hydro	153	64	158	90	12	476
Nuclear	28	29	50	0	0	106
Gas, Naptha & Diesel	25	70	14	0	21	131
RES (Wind, Solar, Biomass & Others)	44	52	102	2	0	199
Total	719	1264	740	475	41	3239

Share of RES in total generation (%)	6.08	4.09	13.77	0.38	0.07	6.15
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	31.25	11.43	41.80	19.32	28.99	24.15

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 :	23-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	442	0.0	4.5	-4.5	
2		SASARAM-FATEHPUR	S/C	204	49	2.7	0.0	2.7	
3		GAYA-BALIA	S/C	0	320	0.0	6.4	-6.4	
4	HVDC	ALIPURDUAR-AGRA	-	0	600	0.0	11.6	-11.6	
5		PUSAULI B/B	S/C	0	198	0.0	4.7	-4.7	
6	400 kV	PUSAULI-VARANASI	S/C	0	189	0.0	3.6	-3.6	
7		PUSAULI -ALLAHABAD	S/C	0	104	0.0	1.0	-1.0	
8		MUZAFFARPUR-GORAKHPUR	D/C	61	623	0.0	4.7	-4.7	
9		PATNA-BALIA	Q/C	0	956	0.0	15.3	-15.3	
10		BIHARSHARIFF-BALIA	D/C	0	240	0.0	2.1	-2.1	
11		MOTIHARI-GORAKHPUR	D/C	0	10	0.0	0.0	0.0	
12		BIHARSHARIFF-VARANASI	D/C	194	137	2.2	0.0	2.2	
13	220 kV	PUSAULI-SAHUPURI	S/C	0	140	0.0	2.4	-2.4	
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	5.2	56.2	-51.0
Import/Export of ER (With WR)									
18	765 kV	JHARSUGUDA-DHARAMJAIGARH	Q/C	1364	0	24.2	0.0	24.2	
19		NEW RANCHI-DHARAMJAIGARH	D/C	1290	0	21.7	0.0	21.7	
20		JHARSUGUDA-DURG	D/C	234	40	2.6	0.0	2.6	
21	400 kV	JHARSUGUDA-RAIGARH	Q/C	261	179	1.9	0.0	1.9	
22		RANCHI-SIPAT	D/C	465	0	7.9	0.0	7.9	
23	220 kV	BUDHIPADAR-RAIGARH	S/C	30	51	0.0	0.4	-0.4	
24		BUDHIPADAR-KORBA	D/C	178	0	2.6	0.0	2.6	
						ER-WR	60.8	0.4	60.4
Import/Export of ER (With SR)									
25	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	1552.0	0.0	18.2	-18.2	
26	HVDC	JEYPORE-GAZUWAKA B/B	D/C	0.0	540.0	0.0	11.1	-11.1	
27	LINK	TALCHER-KOLAR BIPOLE	D/C	0.0	1187.0	0.0	25.6	-25.6	
28	400 kV	TALCHER-I/C	D/C	738.0	219.0	3.4	0.0	3.4	
29	220 kV	BALIMELA-UPPER-SILERRU	S/C	1.0	0.0	0.0	0.0	0.0	
						ER-SR	0.0	55.0	-55.0
Import/Export of ER (With NER)									
30	400 kV	BINAGURI-BONGAIGAON	D/C	0	507	0.0	8.4	-8	
31		ALIPURDUAR-BONGAIGAON	D/C	0	448	0.0	7.5	-7	
32	220 kV	ALIPURDUAR-SALAKATI	D/C	0	122	0.0	2.2	-2	
						ER-NER	0.0	18.1	-18.1
Import/Export of NER (With NR)									
33	HVDC	BISWANATH CHARIALI-AGRA	-	0	503	0.0	8.4	-8.4	
						NER-NR	0.0	8.4	-8.4
Import/Export of WR (With NR)									
34	HVDC	CHAMPA-KURUKSHETRA	D/C	0	1127	0.0	17.2	-17.2	
35		V'CHAL B/B	D/C	449	2	8.0	0.0	8.0	
36		APL -MHG	D/C	0	1080	0.0	26.8	-26.8	
37	765 kV	GWALIOR-AGRA	D/C	0	2577	0.0	51.1	-51.1	
38		PHAGI-GWALIOR	D/C	0	1255	0.0	26.1	-26.1	
39		JABALPUR-ORAI	D/C	0	877	0.0	35.4	-35.4	
40		GWALIOR-ORAI	S/C	440	0	8.2	0.0	8.2	
41		SATNA-ORAI	S/C	0	1476	0.0	32.3	-32.3	
42		CHITTORGARH-BANASKANTHA	D/C	0	721	0.0	7.0	-7.0	
43		ZERDA-KANKROLI	S/C	7	101	0.0	1.0	-1.0	
44	400 kV	ZERDA -BHINMAL	S/C	0	305	0.0	4.3	-4.3	
45		V'CHAL -RIHAND	S/C	978	0	22.9	0.0	22.9	
46	220 kV	RAPP-SHUJALPUR	D/C	0	306	0	2	-2	
47		BHANPURA-RANPUR	S/C	27	48	0.1	0.5	-0.4	
48		BHANPURA-MORAK	S/C	0	97	0.0	1.2	-1.2	
49		MEHGAON-AURAIYA	S/C	36	33	0.1	0.3	-0.2	
50	132kV	MALANPUR-AURAIYA	S/C	3	56	0.0	0.8	-0.8	
51		GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0	
						WR-NR	39.2	205.9	-166.7
Import/Export of WR (With SR)									
52	HVDC	BHADRAWATI B/B	-	195	610	3.3	3.4	-0.1	
53	LINK	BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0	
54	765 kV	SOLAPUR-RAICHUR	D/C	879	1127	5.0	6.4	-1.5	
55		WARDHA-NIZAMABAD	D/C	0	1549	0.0	21.6	-21.6	
56	400 kV	KOLHAPUR-KUDGI	D/C	760	0	11.3	0.0	11.3	
57	220 kV	KOLHAPUR-CHIKODI	D/C	0	0	0.0	0.0	0.0	
58		PONDA-AMBEWADI	S/C	0	64	0.0	1.2	-1.2	
59		XELDEM-AMBEWADI	S/C	0	36	0.7	0.0	0.7	
						WR-SR	20.3	32.7	-12.4
TRANSNATIONAL EXCHANGE									
60		BHUTAN						23.2	
61		NEPAL						-1.9	
62		BANGLADESH						-26.2	