



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: 25th 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 24.10.2019.

महोदय/Dear Sir,

आईईजीसी-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 24-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 24th 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

25-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)	46595	45295	35732	18004	2301	147927
Peak Shortage (MW)	537	0	0	0	184	721
Energy Met (MU)	939	927	771	349	43	3029
Hydro Gen (MU)	154	51	140	82	11	438
Wind Gen (MU)	5	61	46	-----	-----	112
Solar Gen (MU)*	30.11	18.2	55.39	1.39	0.01	105
Energy Shortage (MU)	15.1	0.0	0.0	0.0	2.2	17.2
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	47347 18:34	46299 18:34	36786 18:50	17759 18:44	2383 18:00	150241 18:34

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	0.043	0.22	0.71	5.01	5.94	69.43	24.63

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	5822	0	125.7	62.7	-1.2	87	0.0	
	Haryana	6687	0	137.9	117.1	1.1	161	0.0	
	Rajasthan	10127	0	202.3	63.3	-2.2	449	0.0	
	Delhi	3859	0	75.9	60.0	-0.4	174	0.0	
	UP	15754	0	286.7	116.1	3.9	818	4.7	
	Uttarakhand	1764	0	35.9	20.4	0.6	149	0.0	
	HP	1508	0	27.4	16.2	0.2	68	0.0	
	J&K	2434	608	43.5	34.7	-0.1	501	10.3	
WR	Chandigarh	205	0	3.7	3.5	0.2	24	0.0	
	Chhattisgarh	3320	0	72.8	21.1	-0.4	165	0.0	
	Gujarat	14931	0	263.0	76.0	2.3	648	0.0	
	MP	8004	0	165.0	103.2	-2.6	445	0.0	
	Maharashtra	17973	0	383.7	139.7	-3.7	671	0.0	
	Goa	541	0	10.5	10.4	-0.5	36	0.0	
	DD	330	0	7.5	7.0	0.5	42	0.0	
	DNH	805	0	18.6	18.6	0.0	33	0.0	
SR	Essar steel	324	0	6.0	6.0	0.0	297	0.0	
	Andhra Pradesh	7117	0	146.6	51.8	-0.2	496	0.0	
	Telangana	6934	0	145.2	45.9	-1.2	433	0.0	
	Karnataka	7679	0	147.2	20.6	-2.3	714	0.0	
	Kerala	3235	0	65.1	48.1	0.7	382	0.0	
	Tamil Nadu	12996	0	259.4	149.1	-0.9	815	0.0	
	Pondy	356	0	7.1	7.6	-0.5	25	0.0	
	ER	Bihar	4245	0	74.1	75.3	-3.6	318	0.0
DVC		2896	0	58.6	-22.8	0.4	264	0.0	
Jharkhand		933	0	20.0	14.5	-1.2	50	0.0	
Odisha		3456	0	70.8	7.3	0.5	350	0.0	
West Bengal		6809	0	124.8	48.9	-0.3	200	0.0	
Sikkim		100	0	1.2	1.4	-3.6	10	0.0	
NER		Arunachal Pradesh	112	1	2.0	1.9	-0.1	20	0.0
		Assam	1385	131	24.6	20.2	-0.2	141	2.1
	Manipur	176	2	2.5	2.4	0.1	30	0.0	
	Meghalaya	333	0	6.1	2.6	0.3	191	0.0	
	Mizoram	98	1	1.7	0.4	0.6	14	0.0	
	Nagaland	117	2	2.1	1.9	-0.1	10	0.0	
	Tripura	225	0	4.1	3.1	-0.5	34	0.0	

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	22.2	-1.2	-23.9
Day peak (MW)	962.0	-214.6	-1080.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	235.1	-221.7	47.1	-62.9	2.3	-0.1
Actual(MU)	236.6	-232.0	48.4	-62.2	4.3	-5.0
O/D/U/D(MU)	1.5	-10.3	1.3	0.6	2.0	-4.8

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	3067	15656	7552	2380	660	29315
State Sector	11271	19308	12433	6120	11	49143
Total	14338	34964	19985	8500	672	78458

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Coal	448	920	331	364	10	2073
Lignite	16	15	52	0	0	83
Hydro	154	51	140	82	11	438
Nuclear	28	29	60	0	0	117
Gas, Naptha & Diesel	25	56	15	0	23	120
RES (Wind, Solar, Biomass & Others)	44	87	130	1	0	263
Total	716	1158	728	447	44	3093

Share of RES in total generation (%)	6.20	7.48	17.92	0.31	0.02	8.50
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	31.57	14.38	45.42	18.67	25.06	26.43

H. Diversity Factor

All India Demand Diversity Factor	1.002
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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 :	25-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	487	0.0	6.2	-6.2	
2		SASARAM-FATEHPUR	S/C	93	139	0.0	0.6	-0.6	
3		GAYA-BALIA	S/C	0	328	0.0	5.8	-5.8	
4	HVDC	ALIPURDUAR-AGRA	-	0	700	0.0	13.5	-13.5	
5		PUSAULI B/B	S/C	0	198	0.0	4.9	-4.9	
6	400 kV	PUSAULI-VARANASI	S/C	0	192	0.0	3.7	-3.7	
7		PUSAULI -ALLAHABAD	S/C	0	99	0.0	1.1	-1.1	
8		MUZAFFARPUR-GORAKHPUR	D/C	0	705	0.0	7.9	-7.9	
9		PATNA-BALIA	Q/C	0	901	0.0	14.0	-14.0	
10		BIHARSHARIFF-BALIA	D/C	0	252	0.0	3.0	-3.0	
11		MOTIHARI-GORAKHPUR	D/C	0	8	0.0	0.0	0.0	
12		BIHARSHARIFF-VARANASI	D/C	114	166	0.0	0.1	-0.1	
13	220 kV	PUSAULI-SAHUPURI	S/C	0	130	0.0	2.2	-2.2	
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	0.3	62.9	-62.6
Import/Export of ER (With WR)									
18	765 kV	JHARSUGUDA-DHARAMJAIGARH	Q/C	1326	0	18.7	0.0	18.7	
19		NEW RANCHI-DHARAMJAIGARH	D/C	892	142	12.9	0.0	12.9	
20		JHARSUGUDA-DURG	D/C	162	127	0.6	0.0	0.6	
21	400 kV	JHARSUGUDA-RAIGARH	Q/C	168	138	1.0	0.0	1.0	
22		RANCHI-SIPAT	D/C	305	71	3.3	0.0	3.3	
23	220 kV	BUDHIPADAR-RAIGARH	S/C	16	85	0.0	0.9	-0.9	
24		BUDHIPADAR-KORBA	D/C	104	2	1.4	0.0	1.4	
						ER-WR	38.0	0.9	37.1
Import/Export of ER (With SR)									
25	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	1845.0	0.0	24.2	-24.2	
26	HVDC	JEYPORE-GAZUWAKA B/B	D/C	0.0	437.0	0.0	10.0	-10.0	
27	LINK	TALCHER-KOLAR BIPOLE	D/C	0.0	1978.0	0.0	24.9	-24.9	
28	400 kV	TALCHER-I/C	D/C	1014.0	984.0	4.7	0.0	4.7	
29	220 kV	BALIMELA-UPPER-SILERRU	S/C	1.0	0.0	0.0	0.0	0.0	
						ER-SR	0.0	59.1	-59.1
Import/Export of ER (With NER)									
30	400 kV	BINAGURI-BONGAIGAON	D/C	0	487	0.0	6.4	-6	
31		ALIPURDUAR-BONGAIGAON	D/C	2	275	0.0	3.2	-3	
32	220 kV	ALIPURDUAR-SALAKATI	D/C	0	94	0.0	1.3	-1	
						ER-NER	0.0	10.9	-10.9
Import/Export of NER (With NR)									
33	HVDC	BISWANATH CHARIALI-AGRA	-	0	504	0.0	8.0	-8.0	
						NER-NR	0.0	8.0	-8.0
Import/Export of WR (With NR)									
34	HVDC	CHAMPA-KURUKSHETRA	D/C	0	304	0.0	10.7	-10.7	
35		V'CHAL B/B	D/C	383	6	6.4	0.0	6.4	
36		APL -MHG	D/C	0	1459	0.0	36.4	-36.4	
37	765 kV	GWALIOR-AGRA	D/C	0	2245	0.0	45.3	-45.3	
38		PHAGI-GWALIOR	D/C	0	1292	0.0	26.2	-26.2	
39		JABALPUR-ORAI	D/C	0	799	0.0	31.8	-31.8	
40		GWALIOR-ORAI	S/C	496	0	8.9	0.0	8.9	
41		SATNA-ORAI	S/C	0	1334	0.0	29.0	-29.0	
42		CHITTORGARH-BANASKANTHA	D/C	0	759	0.0	10.2	-10.2	
43		ZERDA-KANKROLI	S/C	31	74	0.1	0.4	-0.3	
44	400 kV	ZERDA -BHINMAL	S/C	0	219	0.0	3.3	-3.3	
45		V'CHAL -RIHAND	S/C	482	0	11.0	0.0	11.0	
46		RAPP-SHUJALPUR	D/C	59	234	0	1	-1	
47	220 kV	BHANPURA-RANPUR	S/C	33	42	0.1	0.4	-0.3	
48		BHANPURA-MORAK	S/C	0	82	0.0	0.9	-0.9	
49		MEHGAON-AURAIYA	S/C	89	9	0.4	0.0	0.4	
50		MALANPUR-AURAIYA	S/C	54	33	0.1	0.3	-0.3	
51	132kV	GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0	
						WR-NR	27.0	196.3	-169.3
Import/Export of WR (With SR)									
52	HVDC	BHADRAWATI B/B	-	195	1009	0.0	7.0	-7.0	
53	LINK	BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0	
54	765 kV	SOLAPUR-RAICHUR	D/C	734	1506	3.7	7.8	-4.2	
55		WARDHA-NIZAMABAD	D/C	0	1679	0.0	24.1	-24.1	
56	400 kV	KOLHAPUR-KUDGI	D/C	945	0	12.9	0.0	12.9	
57	220 kV	KOLHAPUR-CHIKODI	D/C	0	0	0.0	0.0	0.0	
58		PONDA-AMBEWADI	S/C	0	58	0.0	1.1	-1.1	
59		XELDEM-AMBEWADI	S/C	0	33	0.6	0.0	0.6	
						WR-SR	17.1	40.0	-22.9
TRANSNATIONAL EXCHANGE									
60		BHUTAN						22.2	
61		NEPAL						-1.2	
62		BANGLADESH						-23.9	