



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: 19th 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 18.10.2019.

महोदय/Dear Sir,

आईईजीसी-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 18-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 18th Oct 2019, is available at the NLDC website.

धन्यवाद,

Report for previous day

Date of Reporting

19-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)	46959	47944	37804	21222	2735	156664
Peak Shortage (MW)	460	0	0	0	199	659
Energy Met (MU)	986	1121	833	430	49	3419
Hydro Gen (MU)	158	59	133	98	12	460
Wind Gen (MU)	8	24	26	-----	-----	58
Solar Gen (MU)*	29.30	19.7	61.52	2.02	0.02	113
Energy Shortage (MU)	11.8	0.0	0.0	0.0	2.6	14.4
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	47463 18:53	49481 11:27	39797 18:34	21776 19:07	2849 17:39	159750 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	0.024	0.00	0.00	0.87	0.87	80.91	18.22

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	5892	0	118.8	60.7	-2.1	59	0.0
	Haryana	7001	0	145.9	116.5	-1.0	309	0.0
	Rajasthan	10041	0	213.0	64.8	-4.2	161	0.0
	Delhi	4341	0	86.4	70.6	-0.4	160	0.0
	UP	16308	0	323.6	134.5	1.5	660	4.4
	Uttarakhand	1763	0	35.7	19.7	-0.1	91	0.0
	HP	1479	0	28.1	15.0	0.2	222	0.0
	J&K	2104	526	30.5	24.8	-2.7	115	7.4
	Chandigarh	214	0	4.1	4.1	0.1	21	0.0
	WR	Chhattisgarh	3755	0	83.1	31.8	-0.8	355
Gujarat		16499	0	364.7	70.1	5.7	512	0.0
MP		8706	0	187.1	120.2	-2.3	400	0.0
Maharashtra		20217	0	441.8	170.5	-4.7	452	0.0
Goa		541	0	12.8	11.8	0.4	50	0.0
DD		343	0	7.6	7.1	0.5	53	0.0
DNH		776	0	18.3	18.5	-0.2	31	0.0
Essar steel		308	0	5.7	5.6	0.1	312	0.0
Andhra Pradesh		7244	0	154.9	56.7	0.0	495	0.0
Telangana		7754	0	163.4	33.9	0.0	354	0.0
SR	Karnataka	8461	0	162.5	37.5	-1.9	492	0.0
	Kerala	3362	0	67.9	49.9	1.3	196	0.0
	Tamil Nadu	13655	0	276.9	157.5	0.3	499	0.0
	Pondy	378	0	7.5	7.9	-0.3	26	0.0
	Bihar	5255	0	95.5	91.7	-0.7	30	0.0
ER	DVC	3046	0	65.0	-17.9	-0.5	240	0.0
	Jharkhand	1313	0	25.5	16.9	-0.6	20	0.0
	Odisha	4114	0	81.7	12.8	7.0	510	0.0
	West Bengal	8446	0	161.1	49.1	3.5	590	0.0
	Sikkim	95	0	0.9	1.4	-0.5	25	0.0
NER	Arunachal Pradesh	129	1	2.1	2.1	-0.3	33	0.0
	Assam	1714	110	30.1	23.0	1.4	192	2.5
	Manipur	165	2	2.6	2.3	0.2	33	0.0
	Meghalaya	329	0	5.4	1.8	0.3	66	0.0
	Mizoram	95	1	1.7	0.5	0.9	67	0.0
	Nagaland	126	2	1.8	2.1	-0.6	32	0.0
	Tripura	292	1	4.9	3.4	0.3	85	0.0

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	24.8	-2.6	-17.0
Day peak (MW)	1235.3	-264.5	-1109.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	240.2	-226.0	53.9	-73.6	6.0	0.5
Actual(MU)	231.1	-221.9	52.7	-72.6	11.1	0.3
O/D/U/D(MU)	-9.1	4.1	-1.2	0.9	5.2	-0.2

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	3284	16305	7652	2495	910	30646
State Sector	8761	17415	8573	5340	11	40100
Total	12045	33720	16225	7835	922	70746

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Coal	497	1116	408	418	7	2445
Lignite	19	14	55	0	0	88
Hydro	158	59	133	98	12	460
Nuclear	28	29	59	0	0	116
Gas, Naptha & Diesel	27	74	14	0	24	139
RES (Wind, Solar, Biomass & Others)	46	48	119	2	0	215
Total	774	1340	788	518	43	3463

Share of RES in total generation (%)	5.90	3.57	15.10	0.40	0.05	6.20
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	29.83	10.16	39.49	19.29	28.89	22.83

H. Diversity Factor

All India Demand Diversity Factor	1.010
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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 : 19-Oct-19

Import=(+ve)
/Export =(-ve) for
NET (MU)

Sl No	Voltage Level	Line Details	Circuit	Max Import (MW)	Max Export (MW)	Import (MU)	Export (MU)	NET (MU)	
Import/Export of ER (With NR)									
1	765kV	GAYA-VARANASI	D/C	97	414	0.0	5.2	-5.2	
2		SASARAM-FATEHPUR	S/C	243	118	0.9	0.0	0.9	
3		GAYA-BALIA	S/C	0	361	0.0	6.8	-6.8	
4		ALIPURDUAR-AGRA	-	0	401	0.0	9.6	-9.6	
5		PUSAULI B/B	S/C	0	198	0.0	4.8	-4.8	
6	400 kV	PUSAULI-VARANASI	S/C	0	184	0.0	3.5	-3.5	
7		PUSAULI -ALLAHABAD	S/C	0	101	0.0	1.2	-1.2	
8		MUZAFFARPUR-GORAKHPUR	D/C	0	644	0.0	7.6	-7.6	
9		PATNA-BALIA	Q/C	0	1020	0.0	20.9	-20.9	
10		BIHARSHARIFF-BALIA	D/C	0	300	0.0	3.7	-3.7	
11		MOTIHARI-GORAKHPUR	D/C	0	5	0.0	0.0	0.0	
12	220 kV	BIHARSHARIFF-VARANASI	D/C	208	95	1.3	0.0	1.3	
13		PUSAULI-SAHUPURI	S/C	0	166	0.0	2.5	-2.5	
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						2.6	65.8	-63.1	
Import/Export of ER (With WR)									
18	765 kV	JHARSUGUDA-DHARAMAJGARH	Q/C	1353	0	21.2	0.0	21.2	
19		NEW RANCHI-DHARAMAJGARH	D/C	850	0	11.6	0.0	11.6	
20		JHARSUGUDA-DURG	D/C	167	72	1.5	0.0	1.5	
21	400 kV	JHARSUGUDA-RAIGARH	Q/C	201	85	1.1	0.0	1.1	
22		RANCHI-SIPAT	D/C	313	0	4.1	0.0	4.1	
23	220 kV	BUDHIPADAR-RAIGARH	S/C	12	44	0.0	0.9	-0.9	
24		BUDHIPADAR-KORBA	D/C	142	0	2.5	0.0	2.5	
ER-WR						42.0	0.9	41.1	
Import/Export of ER (With SR)									
25	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	1592.0	0.0	23.4	-23.4	
26	HVDC	JEYPORE-GAZUWAKA B/B	D/C	0.0	480.0	0.0	11.1	-11.1	
27	LINK	TALCHER-KOLAR BIPOLE	D/C	0.0	1487.0	0.0	26.4	-26.4	
28	400 kV	TALCHER-I/C	D/C	461.0	467.0	0.5	0.0	0.5	
29	220 kV	BALIMELA-UPPER-SILERRU	S/C	1.0	0.0	0.0	0.0	0.0	
ER-SR						0.0	60.9	-60.9	
Import/Export of ER (With NER)									
30	400 kV	BINAGURI-BONGAIGAON	D/C	0	740	0.0	9.0	-9	
31		ALIPURDUAR-BONGAIGAON	D/C	0	711	0.0	8.5	-9	
32	220 kV	ALIPURDUAR-SALAKATI	D/C	0	182	0.0	2.4	-2	
ER-NER						0.0	19.8	-19.8	
Import/Export of NER (With NR)									
33	HVDC	BISWANATH CHARIALI-AGRA	-	0	504	0.0	10.3	-10.3	
NER-NR						0.0	10.3	-10.3	
Import/Export of WR (With NR)									
34	HVDC	CHAMPA-KURUKSHETRA	D/C	0	1138	0.0	27.7	-27.7	
35		V'CHAL B/B	D/C	451	0	11.3	0.0	11.3	
36		APL -MHG	D/C	0	1738	0.0	41.7	-41.7	
37	765 kV	GWALIOR-AGRA	D/C	0	2197	0.0	43.8	-43.8	
38		PHAGI-GWALIOR	D/C	0	968	0.0	16.4	-16.4	
39		JABALPUR-ORAI	D/C	0	732	0.0	26.8	-26.8	
40		GWALIOR-ORAI	S/C	349	0	7.1	0.0	7.1	
41		SATNA-ORAI	S/C	0	1495	0.0	30.6	-30.6	
42		CHITTORGARH-BANASKANTHA	D/C	0	603	0.0	5.5	-5.5	
43	400 kV	ZERDA-KANKROLI	S/C	50	82	0.1	0.4	-0.4	
44		ZERDA -BHINMAL	S/C	177	238	0.4	2.6	-2.2	
45		V'CHAL -RIHAND	S/C	976	0	22.4	0.0	22.4	
46		RAPP-SHUJALPUR	D/C	8	265	0	3	-3	
47	220 kV	BHANPURA-RANPUR	S/C	24	53	0.1	0.5	-0.4	
48		BHANPURA-MORAK	S/C	0	77	0.0	1.2	-1.2	
49		MEHGAON-AURAIYA	S/C	73	17	0.3	0.0	0.2	
50		MALANPUR-AURAIYA	S/C	38	40	0.1	0.5	-0.5	
51	132kV	GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0	
WR-NR						41.7	200.6	-158.9	
Import/Export of WR (With SR)									
52	HVDC	BHADRAWATI B/B	-	0	512	0.0	6.0	-6.0	
53	LINK	BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0	
54	765 kV	SOLAPUR-RAICHUR	D/C	668	1386	3.5	7.1	-3.6	
55		WARDHA-NIZAMABAD	D/C	0	1742	0.0	21.8	-21.8	
56	400 kV	KOLHAPUR-KUDGI	D/C	777	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	65	0.0	1.3	-1.3	
59		XELDEM-AMBEWADI	S/C	0	38	0.8	0.0	0.8	
WR-SR						15.5	36.1	-20.6	
TRANSNATIONAL EXCHANGE									
60		BHUTAN						24.8	
61		NEPAL						-2.6	
62		BANGLADESH						-17.0	