



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: 12th 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 11.10.2019.

महोदय/Dear Sir,

आईईजीसी-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 11-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 11th Oct 2019, is available at the NLDC website.

धन्यवाद,

Report for previous day

Date of Reporting

12-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)	48371	46952	39492	20711	2628	158154
Peak Shortage (MW)	541	0	0	0	73	614
Energy Met (MU)	1037	1058	884	410	48	3436
Hydro Gen (MU)	184	90	169	123	16	581
Wind Gen (MU)	2	7	6	-----	-----	15
Solar Gen (MU)*	31.60	23	63.67	2.03	0.04	120
Energy Shortage (MU)	12.2	0.0	0.0	0.0	1.5	13.8
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	50648 19:13	47642 18:57	39825 18:55	20746 19:12	2738 18:21	160768 19:09

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	0.029	0.00	0.02	5.31	5.34	79.09	15.58

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	7220	0	155.3	69.0	-1.2	75	0.0
	Haryana	7477	0	158.2	129.5	1.2	242	0.0
	Rajasthan	9300	0	201.4	66.2	-1.0	221	0.0
	Delhi	4087	0	84.9	69.0	-1.2	60	0.0
	UP	16881	0	329.4	127.9	1.9	846	2.6
	Uttarakhand	1712	0	34.9	14.6	0.5	205	0.0
	HP	1473	0	27.8	12.2	0.8	85	0.0
	J&K	2316	579	40.6	32.7	-1.1	190	9.6
WR	Chandigarh	220	0	4.1	3.9	0.2	34	0.0
	Chhattisgarh	3818	0	88.3	38.4	-0.2	214	0.0
	Gujarat	14769	0	329.8	76.2	3.0	367	0.0
	MP	8511	0	180.5	117.8	-2.6	370	0.0
	Maharashtra	18831	0	414.9	149.3	-2.7	451	0.0
	Goa	541	0	12.7	11.6	0.5	100	0.0
	DD	347	0	7.8	7.0	0.8	57	0.0
	DNH	758	0	17.7	18.0	-0.3	40	0.0
SR	Essar steel	312	0	6.3	5.6	0.7	321	0.0
	Andhra Pradesh	7377	0	159.1	73.3	-0.3	404	0.0
	Telangana	7684	0	165.9	41.3	-1.5	343	0.0
	Karnataka	7850	0	156.5	37.7	1.0	706	0.0
	Kerala	3341	0	70.2	45.8	1.4	204	0.0
	Tamil Nadu	14701	0	323.6	156.6	1.9	798	0.0
	Pondy	400	0	8.4	8.5	-0.1	36	0.0
	Bihar	5108	0	93.0	91.6	-1.1	100	0.0
ER	DVC	2911	0	61.9	-6.5	2.9	370	0.0
	Jharkhand	1264	0	23.8	15.3	-1.1	50	0.0
	Odisha	4327	0	90.7	15.7	5.6	600	0.0
	West Bengal	7635	0	140.5	46.0	0.8	250	0.0
	Sikkim	54	0	0.6	1.2	-0.6	0	0.0
NER	Arunachal Pradesh	112	1	2.6	2.0	0.3	87	0.0
	Assam	1699	20	29.1	21.8	1.3	201	1.5
	Manipur	159	1	2.3	2.3	0.0	24	0.0
	Meghalaya	312	0	5.6	1.7	0.1	47	0.0
	Mizoram	95	1	1.8	0.4	1.0	22	0.0
	Nagaland	125	2	2.2	2.0	-0.1	55	0.0
	Tripura	245	1	4.1	2.7	-0.3	25	0.0

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	35.4	-0.4	-19.4
Day peak (MW)	1444.0	-123.0	-1064.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	226.1	-213.0	72.0	-82.5	-2.6	-0.1
Actual(MU)	229.7	-220.3	73.3	-87.6	0.5	-4.2
O/D/U/D(MU)	3.7	-7.2	1.4	-5.1	3.1	-4.2

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	3202	15753	8052	1200	660	28867
State Sector	9136	18523	9080	6940	11	43690
Total	12338	34275	17132	8140	672	72557

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Coal	522	1026	426	391	12	2376
Lignite	19	11	45	0	0	75
Hydro	184	90	169	123	16	581
Nuclear	28	29	60	0	0	117
Gas, Naptha & Diesel	30	72	15	0	24	140
RES (Wind, Solar, Biomass & Others)	44	35	103	2	0	184
Total	825	1263	818	516	51	3473

Share of RES in total generation (%)	5.28	2.79	12.66	0.40	0.08	5.31
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	30.91	12.20	40.64	24.28	30.70	25.41

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 : 12-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	155	338	0.0	3.5	-3.5	
2		SASARAM-FATEHPUR	S/C	215	87	1.1	0.0	1.1	
3		GAYA-BALIA	S/C	0	320	0.0	6.0	-6.0	
4		ALIPURDUAR-AGRA	-	0	1002	0.0	24.2	-24.2	
5		PUSAULI B/B	S/C	0	198	0.0	5.0	-5.0	
6	400 kV	PUSAULI-VARANASI	S/C	0	197	0.0	4.0	-4.0	
7		PUSAULI -ALLAHABAD	S/C	0	75	0.0	0.8	-0.8	
8		MUZAFFARPUR-GORAKHPUR	D/C	0	762	0.0	10.9	-10.9	
9		PATNA-BALIA	Q/C	0	907	0.0	18.6	-18.6	
10		BIHARSHARIFF-BALIA	D/C	0	292	0.0	4.9	-4.9	
11		MOTIHARI-GORAKHPUR	D/C	0	9	0.0	0.0	0.0	
12	220 kV	BIHARSHARIFF-VARANASI	D/C	208	96	0.9	0.0	0.9	
13		PUSAULI-SAHUPURI	S/C	0	160	0.0	2.8	-2.8	
14		132 kV	SONE NAGAR-RIHAND	S/C	0	0	0.0	0.0	0.0
15			GARWAH-RIHAND	S/C	30	0	0.6	0.0	0.6
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	80.7	-78.0	
Import/Export of ER (With WR)									
18	765 kV	JHARSUGUDA-DHARAMJAIGARH	Q/C	1401	0	26.1	0.0	26.1	
19		NEW RANCHI-DHARAMJAIGARH	D/C	674	0	10.7	0.0	10.7	
20		JHARSUGUDA-DURG	D/C	208	0	3.3	0.0	3.3	
21	400 kV	JHARSUGUDA-RAIGARH	Q/C	136	124	0.3	0.0	0.3	
22		RANCHI-SIPAT	D/C	235	0	3.4	0.0	3.4	
23	220 kV	BUDHIPADAR-RAIGARH	S/C	0	58	0.0	0.9	-0.9	
24		BUDHIPADAR-KORBA	D/C	44	0	0.9	0.0	0.9	
ER-WR						44.6	0.9	43.7	
Import/Export of ER (With SR)									
25	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	1643.0	0.0	28.9	-28.9	
26	HVDC	JEYPORE-GAZUWAKA B/B	D/C	0.0	477.0	0.0	11.1	-11.1	
27	LINK	TALCHER-KOLAR BIPOLE	D/C	0.0	1383.0	0.0	29.0	-29.0	
28	400 kV	TALCHER-I/C	D/C	229.0	253.0	0.0	0.6	-0.6	
29	220 kV	BALIMELA-UPPER-SILERRU	S/C	1.0	0.0	0.0	0.0	0.0	
ER-SR						0.0	69.0	-69.0	
Import/Export of ER (With NER)									
30	400 kV	BINAGURI-BONGAIGAON	D/C	0	635	0.0	9.4	-9	
31		ALIPURDUAR-BONGAIGAON	D/C	12	387	0.0	4.2	-4	
32	220 kV	ALIPURDUAR-SALAKATI	D/C	0	133	0.0	2.0	-2	
ER-NER						0.0	15.6	-15.6	
Import/Export of NER (With NR)									
33	HVDC	BISWANATH CHARIALI-AGRA	-	0	703	0.0	16.9	-16.9	
NER-NR						0.0	16.9	-16.9	
Import/Export of WR (With NR)									
34	HVDC	CHAMPA-KURUKSHETRA	D/C	0	902	0.0	20.4	-20.4	
35		V'CHAL B/B	D/C	449	0	12.1	0.0	12.1	
36		APL -MHG	D/C	0	685	0.0	38.6	-38.6	
37	765 kV	GWALIOR-AGRA	D/C	0	1821	0.0	36.2	-36.2	
38		PHAGI-GWALIOR	D/C	0	1131	0.0	20.0	-20.0	
39		JABALPUR-ORAI	D/C	0	675	0.0	26.1	-26.1	
40		GWALIOR-ORAI	S/C	817	0	10.4	0.0	10.4	
41		SATNA-ORAI	S/C	0	1576	0.0	32.1	-32.1	
42		CHITTORGARH-BANASKANTHA	D/C	110	446	0.0	5.6	-5.6	
43	400 kV	ZERDA-KANKROLI	S/C	105	48	0.5	0.2	0.3	
44		ZERDA -BHINMAL	S/C	61	184	0.1	1.6	-1.6	
45		V'CHAL -RIHAND	S/C	973	0	22.6	0.0	22.6	
46		RAPP-SHUJALPUR	D/C	15	250	0	3	-3	
47	220 kV	BHANPURA-RANPUR	S/C	5	60	0.0	0.7	-0.7	
48		BHANPURA-MORAK	S/C	0	105	0.0	1.5	-1.5	
49		MEHGAON-AURAIYA	S/C	80	2	0.6	0.0	0.6	
50		MALANPUR-AURAIYA	S/C	44	28	0.1	0.3	-0.2	
51	132kV	GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0	
WR-NR						46.3	186.2	-139.8	
Import/Export of WR (With SR)									
52	HVDC	BHADRAWATI B/B	-	0	512	0.0	12.2	-12.2	
53	LINK	BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0	
54	765 kV	SOLAPUR-RAICHUR	D/C	339	1327	1.3	8.0	-6.6	
55		WARDHA-NIZAMABAD	D/C	0	1780	0.0	25.5	-25.5	
56	400 kV	KOLHAPUR-KUDGI	D/C	597	0	9.7	0.0	9.7	
57	220 kV	KOLHAPUR-CHIKODI	D/C	0	0	0.0	0.0	0.0	
58		PONDA-AMBEWADI	S/C	1	65	0.0	1.3	-1.3	
59		XELDEM-AMBEWADI	S/C	1	38	0.8	0.0	0.8	
WR-SR						11.8	46.9	-35.1	
TRANSNATIONAL EXCHANGE									
60		BHUTAN						35.4	
61		NEPAL						-0.4	
62		BANGLADESH						-19.4	