



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: 29th 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., डोंगतेिह, 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 28.10.2019.

महोदय/Dear Sir,

आईईजीसी-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 28-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 28th 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

29-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)	37616	34268	32972	18560	2354	125770
Peak Shortage (MW)	823	0	0	0	70	893
Energy Met (MU)	770	773	697	356	40	2635
Hydro Gen (MU)	143	36	152	84	16	431
Wind Gen (MU)	5	31	21	-----	-----	57
Solar Gen (MU)*	24.88	16.5	52.95	2.03	0.04	96
Energy Shortage (MU)	11.2	0.0	0.0	0.0	1.2	12.4
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	38522 19:12	35405 18:39	33695 18:32	18887 18:28	2426 17:32	128019 18:39

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	0.025	0.00	0.00	3.02	3.02	82.27	14.71

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	4457	0	92.0	48.0	-1.7	77	0.0
	Haryana	4805	0	96.2	94.3	0.2	187	0.0
	Rajasthan	9332	0	175.3	56.1	0.6	365	0.0
	Delhi	2861	0	60.3	44.7	-0.2	147	0.0
	UP	14030	0	260.1	118.9	0.9	665	1.4
	Uttarakhand	1367	0	24.6	13.0	-0.1	96	0.0
	HP	969	0	17.0	6.0	0.7	211	0.0
	J&K	2331	583	41.3	35.4	-2.1	366	9.8
	Chandigarh	164	0	2.9	3.2	-0.3	9	0.0
WR	Chhattisgarh	3072	0	67.4	22.4	0.3	271	0.0
	Gujarat	9939	0	215.2	70.9	0.3	523	0.0
	MP	7451	0	154.6	100.0	-3.0	240	0.0
	Maharashtra	14358	0	305.6	106.7	-2.8	535	0.0
	Goa	541	0	10.1	10.0	-0.5	41	0.0
	DD	155	0	3.2	2.6	0.6	35	0.0
	DNH	530	0	11.4	11.4	0.0	41	0.0
	Essar steel	322	0	5.9	5.7	0.2	297	0.0
	SR	Andhra Pradesh	7356	0	152.8	61.6	-0.3	966
Telangana		6840	0	144.5	42.3	-2.9	349	0.0
Karnataka		6814	0	128.2	38.5	-3.2	710	0.0
Kerala		3422	0	64.6	46.1	1.1	211	0.0
Tamil Nadu		10087	0	201.2	121.8	-3.9	408	0.0
Pondy		303	0	5.5	6.5	-1.0	66	0.0
ER	Bihar	4614	0	79.7	79.2	-1.2	156	0.0
	DVC	2949	0	59.1	-16.9	0.6	89	0.0
	Jharkhand	1294	0	24.3	15.0	-1.2	58	0.0
	Odisha	3897	0	76.6	9.8	0.3	186	0.0
	West Bengal	6625	0	115.4	37.2	4.4	179	0.0
Sikkim	78	0	0.7	1.1	-0.4	24	0.0	
NER	Arunachal Pradesh	108	1	2.2	1.6	0.4	32	0.0
	Assam	1418	50	21.5	16.3	-0.6	109	1.2
	Manipur	156	1	2.5	2.4	0.1	18	0.0
	Meghalaya	309	0	5.5	1.1	-0.3	37	0.0
	Mizoram	98	2	1.7	0.9	0.4	28	0.0
	Nagaland	115	1	2.4	1.9	0.2	27	0.0
	Tripura	265	1	4.2	3.2	-0.5	25	0.0

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	18.7	-1.5	-23.3
Day peak (MW)	806.0	-200.0	-1078.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	184.2	-209.2	88.2	-60.7	-2.5	0.0
Actual(MU)	167.2	-203.7	81.9	-43.8	-2.6	-0.9
O/D/U/D(MU)	-17.0	5.6	-6.3	16.9	-0.1	-0.9

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	2367	17011	10632	2230	660	32900
State Sector	13101	25335	13893	6180	11	58520
Total	15468	42346	24525	8410	672	91420

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Coal	371	824	247	330	10	1783
Lignite	16	14	41	0	0	72
Hydro	143	36	152	84	16	431
Nuclear	28	29	60	0	0	117
Gas, Naptha & Diesel	22	35	16	0	21	95
RES (Wind, Solar, Biomass & Others)	40	54	104	2	0	200
Total	620	993	621	417	47	2698

Share of RES in total generation (%)	6.40	5.47	16.77	0.49	0.09	7.42
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	33.97	11.96	50.94	20.72	34.12	27.73

H. Diversity Factor

All India Demand Diversity Factor	1.007
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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 : 29-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	128	363	0.0	3.4	-3.4
2		SASARAM-FATEHPUR	S/C	134	106	0.0	0.2	-0.2
3		GAYA-BALIA	S/C	0	302	0.0	4.7	-4.7
4	HVDC	ALIPURDUAR-AGRA	-	0	400	0.0	9.8	-9.8
5		PUSAULI B/B	S/C	0	200	0.0	4.9	-4.9
6	400 kV	PUSAULI-VARANASI	S/C	0	192	0.0	3.6	-3.6
7		PUSAULI -ALLAHABAD	S/C	0	83	0.0	1.1	-1.1
8		MUZAFFARPUR-GORAKHPUR	D/C	31	413	0.0	6.2	-6.2
9		PATNA-BALIA	Q/C	0	658	0.0	11.9	-11.9
10		BIHARSHARIFF-BALIA	D/C	34	184	0.0	2.1	-2.1
11		MOTIHARI-GORAKHPUR	D/C	0	5	0.0	0.0	0.0
12		BIHARSHARIFF-VARANASI	D/C	196	64	1.4	0.0	1.4
13	220 kV	PUSAULI-SAHUPURI	S/C	22	33	0.0	0.2	-0.2
14	132 kV	SONE NAGAR-RIHAND	S/C	0	0	0.0	0.0	0.0
15		GARWAH-RIHAND	S/C	30	0	0.4	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						1.8	48.0	-46.2
Import/Export of ER (With WR)								
18	765 kV	JHARSUGUDA-DHARAMJAIGARH	Q/C	1782	0	22.5	0.0	22.5
19		NEW RANCHI-DHARAMJAIGARH	D/C	758	0	9.7	0.0	9.7
20		JHARSUGUDA-DURG	D/C	178	57	1.3	0.0	1.3
21	400 kV	JHARSUGUDA-RAIGARH	Q/C	193	59	1.5	0.0	1.5
22		RANCHI-SIPAT	D/C	278	0	4.1	0.0	4.1
23	220 kV	BUDHIPADAR-RAIGARH	S/C	0	58	0.0	0.9	-0.9
24		BUDHIPADAR-KORBA	D/C	87	0	1.0	0.0	1.0
ER-WR						40.1	0.9	39.3
Import/Export of ER (With SR)								
25	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	2108.0	0.0	31.2	-31.2
26	HVDC	JEYPORE-GAZUWAKA B/B	D/C	0.0	424.0	0.0	7.3	-7.3
27	LINK	TALCHER-KOLAR BIPOLE	D/C	0.0	1980.0	0.0	26.2	-26.2
28	400 kV	TALCHER-I/C	D/C	620.0	1131.0	1.4	0.0	1.4
29	220 kV	BALIMELA-UPPER-SILERRU	S/C	1.0	0.0	0.0	0.0	0.0
ER-SR						0.0	64.8	-64.8
Import/Export of ER (With NER)								
30	400 kV	BINAGURI-BONGAIGAON	D/C	0	370	0.0	2.4	-2
31		ALIPURDUAR-BONGAIGAON	D/C	81	194	0.0	0.5	0
32	220 kV	ALIPURDUAR-SALAKATI	D/C	0	97	0.0	0.7	-1
ER-NER						0.0	3.7	-3.7
Import/Export of NER (With NR)								
33	HVDC	BISWANATH CHARIALI-AGRA	-	0	306	0.0	7.2	-7.2
NER-NR						0.0	7.2	-7.2
Import/Export of WR (With NR)								
34	HVDC	CHAMPA-KURUKSHETRA	D/C	0	490	0.0	13.1	-13.1
35		V'CHAL B/B	D/C	455	0	12.3	0.0	12.3
36		APL -MHG	D/C	0	981	0.0	21.0	-21.0
37	765 kV	GWALIOR-AGRA	D/C	0	2077	0.0	40.3	-40.3
38		PHAGI-GWALIOR	D/C	0	1236	0.0	21.4	-21.4
39		JABALPUR-ORAI	D/C	0	731	0.0	27.7	-27.7
40		GWALIOR-ORAI	S/C	407	0	7.8	0.0	7.8
41		SATNA-ORAI	S/C	0	1351	0.0	26.5	-26.5
42		CHITTORGARH-BANASKANTHA	D/C	151	489	0.0	4.8	-4.8
43		ZERDA-KANKROLI	S/C	107	38	0.7	0.1	0.6
44	400 kV	ZERDA -BHINMAL	S/C	36	222	0.1	1.9	-1.8
45		V'CHAL -RIHAND	S/C	972	0	22.7	0.0	22.7
46		RAPP-SHUJALPUR	D/C	0	283	0	2	-2
47	220 kV	BHANPURA-RANPUR	S/C	36	47	0.0	0.3	-0.3
48		BHANPURA-MORAK	S/C	13	61	0.0	0.5	-0.5
49		MEHGAON-AURAIYA	S/C	47	7	0.4	0.0	0.4
50		MALANPUR-AURAIYA	S/C	18	35	0.0	0.3	-0.3
51	132kV	GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0
WR-NR						44.0	160.4	-116.4
Import/Export of WR (With SR)								
52	HVDC	BHADRAWATI B/B	-	0	995	0.0	9.0	-9.0
53	LINK	BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0
54	765 kV	SOLAPUR-RAICHUR	D/C	237	1528	0.0	13.3	-13.3
55		WARDHA-NIZAMABAD	D/C	0	2073	0.0	29.4	-29.4
56	400 kV	KOLHAPUR-KUDGI	D/C	412	0	5.3	0.0	5.3
57	220 kV	KOLHAPUR-CHIKODI	D/C	0	0	0.0	0.0	0.0
58		PONDA-AMBEWADI	S/C	0	66	0.0	1.2	-1.2
59		XELDEM-AMBEWADI	S/C	0	42	0.6	0.0	0.6
WR-SR						5.9	52.9	-47.0
TRANSNATIONAL EXCHANGE								
60		BHUTAN						18.7
61		NEPAL						-1.5
62		BANGLADESH						-23.3