



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: 30th Oct 2019

To,

- कार्यकारी निदेशक, पू.क्षे.भा.प्रे.के., 14, गोल्फ क्लब रोड, कोलकाता - 700033
Executive Director, ERLDC, 14 Golf Club Road, Tollygunge, Kolkata, 700033
- 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
- 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
- कार्यकारी निदेशक, ऊ.पू.क्षे.भा.प्रे.के., डोंगतेह, लोअर नोंग्रह, लापलंग, शिलोंग - 793006
Executive Director, NERLDC, Dongteih, Lower Nongrah, Lapalang, Shillong - 793006, Meghalaya
- 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 29.10.2019.

महोदय/Dear Sir,

आईईजीसी-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 29-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 29th 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

30-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)	41014	36269	33581	18645	2389	131898
Peak Shortage (MW)	596	0	50	0	168	814
Energy Met (MU)	821	811	725	357	42	2757
Hydro Gen (MU)	140	42	153	79	17	431
Wind Gen (MU)	5	27	40	-----	-----	71
Solar Gen (MU)*	16.71	17.9	56.51	1.93	0.05	93
Energy Shortage (MU)	14.3	0.0	0.0	0.0	0.9	15.2
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	41307 19:00	37383 19:02	34525 18:45	18796 18:45	2439 18:30	134303 18:45

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	0.030	0.00	0.20	3.84	4.04	76.74	19.22

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	5346	0	105.8	55.3	-1.3	28	0.0
	Haryana	5351	0	105.6	103.4	0.8	185	0.0
	Rajasthan	9673	0	188.1	70.5	3.3	1099	0.0
	Delhi	3119	0	63.2	49.4	-0.9	84	0.0
	UP	14133	0	262.8	121.2	0.7	665	4.1
	Uttarakhand	1429	0	27.7	15.7	0.7	152	0.0
	HP	1154	18	21.5	11.2	0.4	259	0.0
	J&K	2384	596	42.9	35.8	-0.9	254	10.2
WR	Chandigarh	187	0	3.3	3.5	-0.1	15	0.0
	Chhattisgarh	3283	0	71.2	25.8	-0.7	198	0.0
	Gujarat	10882	0	229.6	63.2	-1.6	555	0.0
	MP	7450	0	156.5	105.6	-3.1	495	0.0
	Maharashtra	15246	0	320.1	108.8	-1.3	526	0.0
	Goa	541	0	10.1	11.2	-1.7	62	0.0
	DD	192	0	4.1	3.7	0.4	29	0.0
	DNH	651	0	14.0	14.0	0.0	37	0.0
SR	Essar steel	277	0	5.7	5.7	0.0	308	0.0
	Andhra Pradesh	7287	0	156.7	62.6	-0.8	412	0.0
	Telangana	7112	-7	145.3	44.5	-2.3	536	0.0
	Karnataka	7056	0	133.8	28.7	-2.6	710	0.0
	Kerala	3229	0	64.4	45.8	1.3	177	0.0
	Tamil Nadu	10596	0	218.6	124.8	-3.1	512	0.0
	Pondy	327	0	6.3	6.9	-0.6	51	0.0
	ER	Bihar	4403	0	80.0	78.7	0.7	145
DVC		2993	0	60.3	-16.1	0.2	129	0.0
Jharkhand		1160	0	23.6	14.8	-1.7	52	0.0
Odisha		3948	0	77.4	9.7	0.7	176	0.0
West Bengal		6625	0	115.1	36.8	2.7	298	0.0
Sikkim		75	0	0.7	1.1	-0.4	24	0.0
NER	Arunachal Pradesh	113	2	2.0	1.5	0.2	23	0.0
	Assam	1427	101	24.3	17.4	0.5	99	0.8
	Manipur	158	3	2.4	2.3	0.1	14	0.0
	Meghalaya	341	0	5.7	0.9	-0.1	32	0.0
	Mizoram	92	2	1.7	0.8	0.3	35	0.0
	Nagaland	116	2	2.0	2.0	-0.2	19	0.0
	Tripura	266	0	4.2	3.2	-0.5	33	0.0

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	16.7	-0.3	-23.9
Day peak (MW)	857.3	-6.4	-1101.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	217.4	-231.9	82.0	-62.4	-5.1	0.0
Actual(MU)	219.3	-243.3	71.5	-43.6	-3.2	0.6
O/D/U/D(MU)	1.9	-11.4	-10.5	18.9	1.8	0.7

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	2867	17671	10212	6180	660	37590
State Sector	12876	23772	14143	6180	11	56982
Total	15743	41443	24355	12360	672	94572

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Coal	385	901	255	329	10	1881
Lignite	20	15	42	0	0	78
Hydro	140	42	153	79	17	431
Nuclear	28	31	60	0	0	119
Gas, Naptha & Diesel	21	35	16	0	24	96
RES (Wind, Solar, Biomass & Others)	30	52	130	2	0	215
Total	625	1077	657	410	51	2820

Share of RES in total generation (%)	4.87	4.85	19.82	0.48	0.10	7.62
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	31.78	11.66	52.27	19.69	32.83	27.12

H. Diversity Factor

All India Demand Diversity Factor	1.001
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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 : 30-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	25	521	0.0	5.1	-5.1
2		SASARAM-FATEHPUR	S/C	66	259	0.0	1.2	-1.2
3		GAYA-BALIA	S/C	0	360	0.0	6.1	-6.1
4	HVDC	ALIPURDUAR-AGRA	-	0	401	0.0	9.8	-9.8
5		PUSAULI B/B	S/C	0	199	0.0	4.6	-4.6
6	400 kV	PUSAULI-VARANASI	S/C	0	171	0.0	3.4	-3.4
7		PUSAULI -ALLAHABAD	S/C	0	98	0.0	1.2	-1.2
8		MUZAFFARPUR-GORAKHPUR	D/C	0	602	0.0	8.2	-8.2
9		PATNA-BALIA	Q/C	0	746	0.0	13.3	-13.3
10		BIHARSHARIFF-BALIA	D/C	9	234	0.0	2.7	-2.7
11		MOTIHARI-GORAKHPUR	D/C	0	7	0.0	0.4	-0.4
12		BIHARSHARIFF-VARANASI	D/C	148	114	1.2	0.0	1.2
13	220 kV	PUSAULI-SAHUPURI	S/C	18	37	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						1.5	56.1	-54.5
Import/Export of ER (With WR)								
18	765 kV	JHARSUGUDA-DHARAMJAIGARH	Q/C	1655	0	23.9	0.0	23.9
19		NEW RANCHI-DHARAMJAIGARH	D/C	893	0	13.8	0.0	13.8
20		JHARSUGUDA-DURG	D/C	217	14	2.0	0.0	2.0
21	400 kV	JHARSUGUDA-RAIGARH	Q/C	314	13	3.2	0.0	3.2
22		RANCHI-SIPAT	D/C	308	0	5.2	0.0	5.2
23	220 kV	BUDHIPADAR-RAIGARH	S/C	7	68	0.0	0.8	-0.8
24		BUDHIPADAR-KORBA	D/C	113	0	1.5	0.0	1.5
ER-WR						49.6	0.8	48.9
Import/Export of ER (With SR)								
25	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	1875.0	0.0	30.6	-30.6
26	HVDC	JEYPORE-GAZUWAKA B/B	D/C	0.0	204.0	0.0	4.8	-4.8
27	LINK	TALCHER-KOLAR BIPOLE	D/C	0.0	1970.0	0.0	22.1	-22.1
28	400 kV	TALCHER-I/C	D/C	321.0	1113.0	0.0	2.6	-2.6
29	220 kV	BALIMELA-UPPER-SILERRU	S/C	1.0	0.0	0.0	0.0	0.0
ER-SR						0.0	57.5	-57.5
Import/Export of ER (With NER)								
30	400 kV	BINAGURI-BONGAIGAON	D/C	42	329	0.0	2.2	-2
31		ALIPURDUAR-BONGAIGAON	D/C	133	238	0.0	0.4	0
32	220 kV	ALIPURDUAR-SALAKATI	D/C	1	85	0.0	0.6	-1
ER-NER						0.0	3.3	-3.3
Import/Export of NER (With NR)								
33	HVDC	BISWANATH CHARIALI-AGRA	-	0	503	0.0	7.5	-7.5
NER-NR						0.0	7.5	-7.5
Import/Export of WR (With NR)								
34	HVDC	CHAMPA-KURUKSHETRA	D/C	0	902	0.0	20.0	-20.0
35		V'CHAL B/B	D/C	452	0	12.1	0.0	12.1
36		APL -MHG	D/C	0	1075	0.0	21.8	-21.8
37	765 kV	GWALIOR-AGRA	D/C	0	2484	0.0	47.2	-47.2
38		PHAGI-GWALIOR	D/C	0	1650	0.0	27.2	-27.2
39		JABALPUR-ORAI	D/C	0	926	0.0	33.7	-33.7
40		GWALIOR-ORAI	S/C	501	0	8.7	0.0	8.7
41		SATNA-ORAI	S/C	0	1455	0.0	30.1	-30.1
42		CHITTORGARH-BANASKANTHA	D/C	0	1022	0.0	13.8	-13.8
43		ZERDA-KANKROLI	S/C	53	189	0.1	1.6	-1.5
44	400 kV	ZERDA -BHINMAL	S/C	23	381	0.0	4.5	-4.5
45		V'CHAL -RIHAND	S/C	974	0	22.4	0.0	22.4
46	220 kV	RAPP-SHUJALPUR	D/C	0	390	0	3	-3
47		BHANPURA-RANPUR	S/C	0	65	0.0	0.9	-0.9
48		BHANPURA-MORAK	S/C	0	110	0.0	1.2	-1.2
49		MEHGAON-AURAIYA	S/C	53	15	0.3	0.0	0.2
50	132kV	MALANPUR-AURAIYA	S/C	16	43	0.0	0.5	-0.4
51		GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0
WR-NR						43.6	205.0	-161.4
Import/Export of WR (With SR)								
52	HVDC	BHADRAWATI B/B	-	0	711	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	586	1364	1.0	9.3	-8.4
55		WARDHA-NIZAMABAD	D/C	0	1983	0.0	26.5	-26.5
56	400 kV	KOLHAPUR-KUDGI	D/C	594	0	7.9	0.0	7.9
57	220 kV	KOLHAPUR-CHIKODI	D/C	0	0	0.0	0.0	0.0
58		PONDA-AMBEWADI	S/C	0	76	0.0	1.3	-1.3
59		XELDEM-AMBEWADI	S/C	0	43	0.7	0.0	0.7
WR-SR						9.6	46.1	-36.5
TRANSNATIONAL EXCHANGE								
60		BHUTAN						16.7
61		NEPAL						-0.3
62		BANGLADESH						-23.9