



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: 17th 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 16.10.2019.

महोदय/Dear Sir,

आईईजीसी-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 16-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 16th Oct 2019, is available at the NLDC website.

धन्यवाद,

Report for previous day

Date of Reporting

17-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)	49186	49364	38122	20234	2717	159623
Peak Shortage (MW)	628	0	0	0	93	721
Energy Met (MU)	1037	1127	853	405	48	3470
Hydro Gen (MU)	163	68	151	100	12	494
Wind Gen (MU)	3	30	28	-----	-----	62
Solar Gen (MU)*	28.39	23.2	51.42	2.04	0.05	105
Energy Shortage (MU)	13.2	0.0	0.0	0.0	1.2	14.4
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	50674 19:12	50593 17:00	39840 18:46	20967 18:53	2784 17:45	163618 18:57

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	0.023	0.00	0.00	1.96	1.96	83.21	14.84

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	6516	0	141.5	60.8	-1.1	94	0.0
	Haryana	7335	0	157.5	119.9	0.4	130	0.0
	Rajasthan	10055	0	213.1	59.5	0.1	474	0.0
	Delhi	4227	0	88.3	71.6	-0.2	195	0.0
	UP	17253	0	330.1	133.5	2.5	921	3.7
	Uttarakhand	1719	0	35.8	20.4	1.0	201	0.2
	HP	1491	0	28.1	14.6	0.8	192	0.0
	J&K	2153	538	38.9	32.3	-2.3	213	9.3
WR	Chandigarh	200	0	3.9	4.1	-0.2	21	0.0
	Chhattisgarh	3905	0	86.8	36.1	0.0	211	0.0
	Gujarat	16023	0	357.3	65.5	7.5	481	0.0
	MP	8670	0	185.5	120.6	-2.8	287	0.0
	Maharashtra	20299	0	452.7	157.9	-1.7	492	0.0
	Goa	541	0	12.8	11.8	0.4	81	0.0
	DD	345	0	7.7	7.0	0.7	47	0.0
	DNH	782	0	18.3	18.3	0.0	47	0.0
SR	Essar steel	332	0	5.8	5.7	0.1	300	0.0
	Andhra Pradesh	7088	0	156.5	54.1	-0.9	377	0.0
	Telangana	8532	0	180.8	40.7	-0.8	466	0.0
	Karnataka	7673	0	158.1	28.4	-1.4	393	0.0
	Kerala	3208	0	67.7	45.7	1.3	201	0.0
	Tamil Nadu	13593	0	282.1	157.6	0.4	676	0.0
	Pondy	375	0	7.5	7.9	-0.4	25	0.0
	Bihar	5059	0	93.3	90.2	-1.0	100	0.0
ER	DVC	3010	0	64.2	-10.8	1.1	250	0.0
	Jharkhand	1096	0	24.0	15.7	-1.1	25	0.0
	Odisha	4099	0	80.8	8.9	7.8	600	0.0
	West Bengal	7984	0	141.6	44.2	0.6	400	0.0
	Sikkim	89	0	0.8	1.4	-0.6	35	0.0
NER	Arunachal Pradesh	128	2	2.3	2.0	-0.2	43	0.0
	Assam	1746	72	30.0	24.4	0.6	139	1.1
	Manipur	177	3	2.4	2.3	0.1	30	0.0
	Meghalaya	310	0	5.3	1.4	0.1	36	0.0
	Mizoram	97	1	1.7	0.4	0.9	8	0.0
	Nagaland	129	2	2.2	1.9	0.0	53	0.0
	Tripura	273	4	4.6	3.2	0.2	71	0.0

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	29.1	-3.0	18.2
Day peak (MW)	1390.6	-187.6	-1102.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	235.9	-217.7	60.3	-84.6	6.2	0.1
Actual(MU)	232.7	-209.7	49.3	-83.1	9.6	-1.3
O/D/U/D(MU)	-3.2	8.0	-11.0	1.5	3.5	-1.3

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	3059	16563	7902	1670	910	30104
State Sector	8021	17659	8440	4730	11	38861
Total	11080	34221	16342	6400	922	68964

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Coal	532	1089	449	425	8	2502
Lignite	21	15	51	0	0	87
Hydro	163	68	151	100	12	494
Nuclear	28	29	37	0	0	93
Gas, Naptha & Diesel	28	75	13	0	23	140
RES (Wind, Solar, Biomass & Others)	41	58	112	2	0	214
Total	814	1334	812	526	44	3530

Share of RES in total generation (%)	5.10	4.35	13.80	0.40	0.11	6.05
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	28.52	11.64	36.86	19.32	28.34	22.69

H. Diversity Factor

All India Demand Diversity Factor	1.008
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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 : 17-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	102	463	0.0	5.7	-5.7	
2		SASARAM-FATEHPUR	S/C	158	207	0.0	0.7	-0.7	
3		GAYA-BALIA	S/C	0	317	0.0	5.8	-5.8	
4	HVDC	ALIPURDUAR-AGRA	-	0	701	0.0	14.7	-14.7	
5		PUSAULI B/B	S/C	0	196	0.0	4.9	-4.9	
6	400 kV	PUSAULI-VARANASI	S/C	0	182	0.0	3.4	-3.4	
7		PUSAULI -ALLAHABAD	S/C	0	97	0.0	1.4	-1.4	
8		MUZAFFARPUR-GORAKHPUR	D/C	0	808	0.0	9.4	-9.4	
9		PATNA-BALIA	Q/C	0	1014	0.0	19.1	-19.1	
10		BIHARSHARIFF-BALIA	D/C	0	280	0.0	3.9	-3.9	
11		MOTIHARI-GORAKHPUR	D/C	0	7	0.0	0.0	0.0	
12	220 kV	BIHARSHARIFF-VARANASI	D/C	166	163	0.4	0.0	0.4	
13		PUSAULI-SAHUPURI	S/C	0	163	0.0	2.9	-2.9	
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						0.9	71.9	-71.1	
Import/Export of ER (With WR)									
18	765 kV	JHARSUGUDA-DHARAMAJGARH	Q/C	1289	0	19.4	0.0	19.4	
19		NEW RANCHI-DHARAMAJGARH	D/C	655	0	9.7	0.0	9.7	
20		JHARSUGUDA-DURG	D/C	155	51	1.2	0.0	1.2	
21	400 kV	JHARSUGUDA-RAIGARH	Q/C	140	253	0.0	1.0	-1.0	
22		RANCHI-SIPAT	D/C	233	0	3.5	0.0	3.5	
23	220 kV	BUDHIPADAR-RAIGARH	S/C	21	73	0.0	0.8	-0.8	
24		BUDHIPADAR-KORBA	D/C	148	0	2.3	0.0	2.3	
ER-WR						36.2	1.8	34.3	
Import/Export of ER (With SR)									
25	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	1354.0	0.0	22.5	-22.5	
26	HVDC	JEYPORE-GAZUWAKA B/B	D/C	0.0	474.0	0.0	11.1	-11.1	
27	LINK	TALCHER-KOLAR BIPOLE	D/C	0.0	1771.0	0.0	27.8	-27.8	
28	400 kV	TALCHER-I/C	D/C	499.0	543.0	0.0	0.8	-0.8	
29	220 kV	BALIMELA-UPPER-SILERRU	S/C	1.0	0.0	0.0	0.0	0.0	
ER-SR						0.0	61.4	-61.4	
Import/Export of ER (With NER)									
30	400 kV	BINAGURI-BONGAIGAON	D/C	0	600	0.0	7.6	-8	
31		ALIPURDUAR-BONGAIGAON	D/C	0	479	0.0	5.7	-6	
32	220 kV	ALIPURDUAR-SALAKATI	D/C	0	152	0.0	1.9	-2	
ER-NER						0.0	15.2	-15.2	
Import/Export of NER (With NR)									
33	HVDC	BISWANATH CHARIALI-AGRA	-	0	350	0.0	7.3	-7.3	
NER-NR						0.0	7.3	-7.3	
Import/Export of WR (With NR)									
34	HVDC	CHAMPA-KURUKSHETRA	D/C	0	1884	0.0	31.5	-31.5	
35		V'CHAL B/B	D/C	361	0	9.6	0.0	9.6	
36		APL -MHG	D/C	0	1926	0.0	40.1	-40.1	
37	765 kV	GWALIOR-AGRA	D/C	0	2213	0.0	39.8	-39.8	
38		PHAGI-GWALIOR	D/C	0	963	0.0	14.4	-14.4	
39		JABALPUR-ORAI	D/C	0	679	0.0	25.8	-25.8	
40		GWALIOR-ORAI	S/C	341	0	5.6	0.0	5.6	
41		SATNA-ORAI	S/C	0	1545	0.0	30.1	-30.1	
42		CHITTORGARH-BANASKANTHA	D/C	0	739	0.0	6.8	-6.8	
43	400 kV	ZERDA-KANKROLI	S/C	52	101	0.1	0.8	-0.7	
44		ZERDA -BHINMAL	S/C	0	219	0.0	3.1	-3.1	
45		V'CHAL -RIHAND	S/C	980	0	22.5	0.0	22.5	
46	220 kV	RAPP-SHUJALPUR	D/C	27	230	0	1	-1	
47		BHANPURA-RANPUR	S/C	8	56	0.0	0.6	-0.6	
48		BHANPURA-MORAK	S/C	0	98	0.0	1.4	-1.4	
49		MEHGAON-AURAIYA	S/C	74	22	0.4	0.1	0.4	
50		MALANPUR-AURAIYA	S/C	48	45	0.1	0.5	-0.4	
51	132kV	GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0	
WR-NR						38.4	196.4	-158.0	
Import/Export of WR (With SR)									
52	HVDC	BHADRAWATI B/B	-	0	508	0.0	5.8	-5.8	
53	LINK	BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0	
54	765 kV	SOLAPUR-RAICHUR	D/C	628	1041	2.4	6.3	-3.9	
55		WARDHA-NIZAMABAD	D/C	0	1347	0.0	20.6	-20.6	
56	400 kV	KOLHAPUR-KUDGI	D/C	1075	0	13.4	0.0	13.4	
57	220 kV	KOLHAPUR-CHIKODI	D/C	0	0	0.0	0.0	0.0	
58		PONDA-AMBEWADI	S/C	0	66	0.0	1.3	-1.3	
59		XELDEM-AMBEWADI	S/C	0	38	0.7	0.0	0.7	
WR-SR						16.4	34.0	-17.5	
TRANSNATIONAL EXCHANGE									
60		BHUTAN						29.1	
61		NEPAL						-3.0	
62		BANGLADESH						18.2	