



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: 15th 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., डोंगतेह, 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 14.10.2019.

महोदय/Dear Sir,

आईईजीसी-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 14-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 14th 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

15-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)	48522	49134	40056	20073	2730	160515
Peak Shortage (MW)	477	0	0	0	31	508
Energy Met (MU)	1026	1094	879	411	48	3458
Hydro Gen (MU)	167	85	152	111	15	529
Wind Gen (MU)	3	17	20	-----	-----	40
Solar Gen (MU)*	26.06	24.2	77.44	2.09	0.06	130
Energy Shortage (MU)	12.6	0.0	0.0	0.0	0.9	13.5
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	50544 19:07	49599 18:43	41458 18:28	20805 19:21	2698 17:50	164259 19:00

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	0.23	3.97	4.20	82.69	13.11

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	6610	0	146.2	66.3	-1.5	37	0.0
	Haryana	7453	0	155.4	117.9	0.7	165	0.0
	Rajasthan	9683	0	206.5	63.1	-0.9	333	0.0
	Delhi	4133	0	85.8	69.1	-0.3	110	0.0
	UP	17040	0	324.6	129.8	2.2	538	2.9
	Uttarakhand	1797	0	35.5	16.0	0.9	174	0.0
	HP	1453	0	27.4	12.9	1.3	121	0.0
	J&K	2090	523	40.8	32.3	-0.5	271	9.7
	Chandigarh	199	0	3.8	4.0	-0.2	8	0.0
WR	Chhattisgarh	3934	0	87.8	37.8	-0.2	233	0.0
	Gujarat	15793	0	341.8	60.9	5.8	513	0.0
	MP	8499	0	181.8	101.9	-1.8	466	0.0
	Maharashtra	19943	0	438.4	150.8	-2.4	443	0.0
	Goa	541	0	12.8	11.6	0.6	104	0.0
	DD	334	0	7.4	6.8	0.6	49	0.0
	DNH	780	0	18.1	18.1	0.0	44	0.0
	Essar steel	373	0	6.3	5.7	0.6	386	0.0
	SR	Andhra Pradesh	7440	0	165.1	65.5	0.8	469
Telangana		8258	0	175.4	44.4	-0.1	431	0.0
Karnataka		7985	0	160.2	33.9	-1.8	542	0.0
Kerala		3528	0	68.7	46.7	1.4	189	0.0
Tamil Nadu		14508	0	301.2	160.7	1.8	662	0.0
Pondy		404	0	8.2	8.3	-0.1	55	0.0
ER	Bihar	4976	0	92.9	88.9	-0.2	200	0.0
	DVC	2881	0	61.3	-14.3	2.3	600	0.0
	Jharkhand	1114	0	24.2	16.0	-1.3	10	0.0
	Odisha	4545	0	89.9	14.4	7.9	600	0.0
	West Bengal	7545	0	141.5	42.9	0.1	100	0.0
	Sikkim	93	0	0.8	1.4	-0.5	5	0.0
NER	Arunachal Pradesh	128	2	2.1	2.2	-0.5	45	0.0
	Assam	1692	12	29.5	23.3	0.7	84	0.8
	Manipur	170	3	2.4	2.3	0.1	34	0.0
	Meghalaya	319	0	5.5	1.4	0.2	34	0.0
	Mizoram	92	1	1.7	0.3	0.3	9	0.0
	Nagaland	126	2	2.1	2.2	-0.5	52	0.0
	Tripura	266	2	4.5	3.1	0.3	51	0.0

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	29.6	-0.9	-26.1
Day peak (MW)	1305.8	-184.3	-1127.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	224.2	-213.0	71.5	-84.6	1.8	-0.2
Actual(MU)	222.4	-221.1	72.5	-82.6	3.6	-5.2
O/D/U/D(MU)	-1.8	-8.0	1.0	2.0	1.9	-5.0

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	2699	16260	9152	1400	660	30172
State Sector	7631	18073	9170	5630	11	40515
Total	10330	34333	18322	7030	672	70686

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Coal	536	1047	418	403	12	2415
Lignite	19	15	47	0	0	80
Hydro	167	85	152	111	15	529
Nuclear	28	29	56	0	0	113
Gas, Naptha & Diesel	29	79	13	0	23	144
RES (Wind, Solar, Biomass & Others)	39	47	125	2	0	213
Total	818	1301	811	516	49	3495

Share of RES in total generation (%)	4.80	3.58	15.40	0.41	0.12	6.09
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	28.63	12.31	41.13	21.92	29.63	24.48

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 : 15-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	185	359	0.0	4.4	-4.4	
2		SASARAM-FATEHPUR	S/C	189	120	0.3	0.0	0.3	
3		GAYA-BALIA	S/C	0	311	0.0	6.0	-6.0	
4	HVDC	ALIPURDUAR-AGRA	-	0	701	0.0	16.7	-16.7	
5		PUSAULI B/B	S/C	0	198	0.0	4.9	-4.9	
6	400 kV	PUSAULI-VARANASI	S/C	0	197	0.0	3.9	-3.9	
7		PUSAULI -ALLAHABAD	S/C	0	75	0.0	0.8	-0.8	
8		MUZAFFARPUR-GORAKHPUR	D/C	0	673	0.0	9.2	-9.2	
9		PATNA-BALIA	Q/C	0	955	0.0	16.5	-16.5	
10		BIHARSHARIFF-BALIA	D/C	6	236	0.0	3.9	-3.9	
11		MOTIHARI-GORAKHPUR	D/C	0	49	0.0	0.0	0.0	
12		BIHARSHARIFF-VARANASI	D/C	197	103	1.0	0.0	1.0	
13	220 kV	PUSAULI-SAHUPURI	S/C	0	158	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	0.4	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	69.0	-67.2
Import/Export of ER (With WR)									
18	765 kV	JHARSUGUDA-DHARAMJAIGARH	Q/C	1431	0	21.1	0.0	21.1	
19		NEW RANCHI-DHARAMJAIGARH	D/C	716	231	8.6	0.0	8.6	
20		JHARSUGUDA-DURG	D/C	167	67	1.4	0.0	1.4	
21	400 kV	JHARSUGUDA-RAIGARH	Q/C	183	77	1.4	0.0	1.4	
22		RANCHI-SIPAT	D/C	246	52	2.9	0.0	2.9	
23	220 kV	BUDHIPADAR-RAIGARH	S/C	3	53	0.0	0.7	-0.7	
24		BUDHIPADAR-KORBA	D/C	130	0	2.5	0.0	2.5	
						ER-WR	38.0	0.7	37.3
Import/Export of ER (With SR)									
25	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	1591.0	0.0	29.4	-29.4	
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	1481.0	0.0	26.9	-26.9	
28	400 kV	TALCHER-I/C	D/C	307.0	446.0	1.6	0.0	1.6	
29	220 kV	BALIMELA-UPPER-SILERRU	S/C	1.0	0.0	0.0	0.0	0.0	
						ER-SR	0.0	67.4	-67.4
Import/Export of ER (With NER)									
30	400 kV	BINAGURI-BONGAIGAON	D/C	0	520	0.0	8.6	-9	
31		ALIPURDUAR-BONGAIGAON	D/C	0	364	0.0	6.0	-6	
32	220 kV	ALIPURDUAR-SALAKATI	D/C	0	122	0.0	2.1	-2	
						ER-NER	0.0	16.8	-16.8
Import/Export of NER (With NR)									
33	HVDC	BISWANATH CHARIALI-AGRA	-	0	703	0.0	14.5	-14.5	
						NER-NR	0.0	14.5	-14.5
Import/Export of WR (With NR)									
34	HVDC	CHAMPA-KURUKSHETRA	D/C	0	1877	0.0	34.8	-34.8	
35		V'CHAL B/B	D/C	362	0	9.7	0.0	9.7	
36		APL -MHG	D/C	0	685	0.0	31.1	-31.1	
37	765 kV	GWALIOR-AGRA	D/C	0	1991	0.0	33.2	-33.2	
38		PHAGI-GWALIOR	D/C	6	1093	0.0	16.8	-16.8	
39		JABALPUR-ORAI	D/C	0	709	0.0	24.4	-24.4	
40		GWALIOR-ORAI	S/C	369	0	5.4	0.0	5.4	
41		SATNA-ORAI	S/C	0	1310	0.0	28.2	-28.2	
42		CHITTORGARH-BANASKANTHA	D/C	97	841	0.1	9.2	-9.1	
43		ZERDA-KANKROLI	S/C	107	146	0.5	1.0	-0.5	
44	400 kV	ZERDA -BHINMAL	S/C	63	309	0.1	2.9	-2.8	
45		V'CHAL -RIHAND	S/C	974	0	22.6	0.0	22.6	
46		RAPP-SHUJALPUR	D/C	109	264	0	3	-3	
47	220 kV	BHANPURA-RANPUR	S/C	4	59	0.0	0.7	-0.7	
48		BHANPURA-MORAK	S/C	0	109	0.0	1.5	-1.5	
49		MEHGAON-AURAIYA	S/C	99	8	0.6	0.0	0.6	
50		MALANPUR-AURAIYA	S/C	69	36	0.1	0.3	-0.2	
51	132kV	GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0	
						WR-NR	39.2	187.2	-148.0
Import/Export of WR (With SR)									
52	HVDC	BHADRAWATI B/B	-	192	640	3.6	2.9	0.7	
53	LINK	BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0	
54	765 kV	SOLAPUR-RAICHUR	D/C	317	1645	0.6	13.9	-13.4	
55		WARDHA-NIZAMABAD	D/C	0	1993	0.0	31.3	-31.3	
56	400 kV	KOLHAPUR-KUDGI	D/C	666	0	9.0	0.0	9.0	
57	220 kV	KOLHAPUR-CHIKODI	D/C	0	0	0.0	0.0	0.0	
58		PONDA-AMBEWADI	S/C	0	71	0.0	1.3	-1.3	
59		XELDEM-AMBEWADI	S/C	0	59	0.7	0.0	0.7	
						WR-SR	13.9	49.4	-35.5
TRANSNATIONAL EXCHANGE									
60		BHUTAN						29.6	
61		NEPAL						-0.9	
62		BANGLADESH						-26.1	