



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: 10th 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 09.10.2019.

महोदय/Dear Sir,

आईईजीसी-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 09-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 09th Oct 2019, is available at the NLDC website.

धन्यवाद,

Report for previous day

Date of Reporting

10-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)	47729	45958	38805	17603	2272	152367
Peak Shortage (MW)	519	0	0	0	220	739
Energy Met (MU)	1005	1006	864	351	41	3266
Hydro Gen (MU)	199	101	147	127	17	590
Wind Gen (MU)	2	13	9	-----	-----	25
Solar Gen (MU)*	32.99	22.7	70.21	2.04	0.04	128
Energy Shortage (MU)	9.5	0.0	0.0	0.0	3.5	13.1
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	49862 19:12	46853 18:49	38417 19:33	17778 19:43	2428 18:15	154596 19:11

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	0.00	0.42	0.42	66.26	33.32

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	7108	0	148.4	70.9	-0.6	122	0.0
	Haryana	7426	0	148.9	104.6	1.5	193	0.0
	Rajasthan	8921	0	193.7	63.6	0.4	424	0.0
	Delhi	4012	0	82.8	67.2	-0.9	101	0.0
	UP	16885	0	325.9	136.8	2.4	799	0.0
	Uttarakhand	1764	0	35.4	14.0	0.6	160	0.0
	HP	1360	0	25.9	10.3	0.0	80	0.0
	J&K	2078	519	39.9	28.2	-0.7	296	9.5
WR	Chandigarh	213	0	4.0	4.2	-0.1	22	0.0
	Chhattisgarh	3703	0	83.7	33.8	0.5	408	0.0
	Gujarat	14083	0	307.2	66.6	3.9	719	0.0
	MP	8266	0	173.2	90.3	-1.3	215	0.0
	Maharashtra	18595	0	401.5	140.4	0.5	403	0.0
	Goa	541	0	11.2	11.3	-0.7	60	0.0
	DD	331	0	6.4	6.0	0.4	61	0.0
	DNH	765	0	16.6	16.8	-0.2	46	0.0
SR	Essar steel	292	0	6.0	5.6	0.4	282	0.0
	Andhra Pradesh	6848	0	158.4	72.6	0.2	389	0.0
	Telangana	8077	0	166.7	44.1	-0.6	395	0.0
	Karnataka	7605	0	145.7	35.6	1.6	620	0.0
	Kerala	3582	0	72.1	49.3	1.9	196	0.0
	Tamil Nadu	14430	0	312.9	154.2	1.6	608	0.0
	Pondy	390	0	8.2	8.4	-0.2	35	0.0
	Bihar	4539	0	81.3	83.6	-4.6	200	0.0
ER	DVC	2747	0	53.1	-13.0	0.0	400	0.0
	Jharkhand	993	0	20.9	13.5	-1.3	30	0.0
	Odisha	4005	0	76.7	9.9	8.6	650	0.0
	West Bengal	6327	0	118.3	33.3	-1.1	200	0.0
NER	Sikkim	47	0	0.4	1.2	-0.7	5	0.0
	Arunachal Pradesh	112	2	2.0	2.1	-0.4	25	0.0
	Assam	1546	47	23.5	17.7	-0.3	127	3.5
	Manipur	157	3	2.4	2.2	0.2	26	0.0
	Meghalaya	312	2	5.2	1.1	0.1	96	0.0
	Mizoram	89	1	1.6	0.2	0.9	68	0.0
	Nagaland	109	1	2.1	2.0	-0.2	6	0.0
	Tripura	217	8	4.2	2.3	0.0	88	0.0

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	40.2	0.4	-24.9
Day peak (MW)	1649.2	-26.9	-1069.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	206.4	-204.0	86.5	-83.7	-5.4	-0.1
Actual(MU)	209.5	-211.5	96.8	-86.9	-3.9	4.0
O/D/U/D(MU)	3.0	-7.5	10.3	-3.2	1.5	4.1

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	3264	16420	8262	1200	660	29806
State Sector	8581	20861	8870	6260	11	44583
Total	11845	37280	17132	7460	672	74388

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Coal	488	955	393	347	9	2191
Lignite	19	10	44	0	0	73
Hydro	199	101	147	127	17	590
Nuclear	28	29	60	0	0	117
Gas, Naptha & Diesel	32	69	15	0	23	139
RES (Wind, Solar, Biomass & Others)	46	42	114	2	0	204
Total	811	1205	773	476	49	3313

Share of RES in total generation (%)	5.69	3.46	14.81	0.44	0.08	6.17
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	33.60	14.21	41.53	27.07	34.94	27.48

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 : 10-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	13	434	0.0	4.3	-4.3	
2		SASARAM-FATEHPUR	S/C	118	183	0.0	0.5	-0.5	
3		GAYA-BALIA	S/C	0	276	0.0	5.1	-5.1	
4		ALIPURDUAR-AGRA	-	0	1000	0.0	20.6	-20.6	
5		PUSAULI B/B	S/C	0	196	0.0	4.9	-4.9	
6	400 kV	PUSAULI-VARANASI	S/C	0	186	0.0	3.8	-3.8	
7		PUSAULI -ALLAHABAD	S/C	0	73	0.0	0.9	-0.9	
8		MUZAFFARPUR-GORAKHPUR	D/C	0	903	0.0	15.0	-15.0	
9		PATNA-BALIA	Q/C	0	754	0.0	11.7	-11.7	
10		BIHARSHARIFF-BALIA	D/C	0	258	0.0	4.3	-4.3	
11		MOTIHARI-GORAKHPUR	D/C	0	10	0.0	0.0	0.0	
12	220 kV	BIHARSHARIFF-VARANASI	D/C	101	174	0.0	0.4	-0.4	
13		PUSAULI-SAHUPURI	S/C	0	151	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	0.3	0.0	0.3
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						0.3	74.2	-73.8	
Import/Export of ER (With WR)									
18	765 kV	JHARSUGUDA-DHARAMAJGARH	Q/C	1392	0	28.0	0.0	28.0	
19		NEW RANCHI-DHARAMAJGARH	D/C	679	73	8.5	0.0	8.5	
20		JHARSUGUDA-DURG	D/C	232	4	2.9	0.0	2.9	
21	400 kV	JHARSUGUDA-RAIGARH	Q/C	185	106	1.7	0.0	1.7	
22		RANCHI-SIPAT	D/C	225	30	3.1	0.0	3.1	
23	220 kV	BUDHIPADAR-RAIGARH	S/C	19	58	0.0	0.5	-0.5	
24		BUDHIPADAR-KORBA	D/C	38	0	0.6	0.0	0.6	
ER-WR						44.8	0.5	44.2	
Import/Export of ER (With SR)									
25	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	1920.0	0.0	31.6	-31.6	
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	1486.0	0.0	36.1	-36.1	
28	400 kV	TALCHER-I/C	D/C	195.0	524.0	0.0	6.1	-6.1	
29	220 kV	BALIMELA-UPPER-SILERRU	S/C	1.0	0.0	0.0	0.0	0.0	
ER-SR						0.0	78.8	-78.8	
Import/Export of ER (With NER)									
30	400 kV	BINAGURI-BONGAIGAON	D/C	0	553	0.0	6.8	-7	
31		ALIPURDUAR-BONGAIGAON	D/C	0	322	0.0	3.0	-3	
32	220 kV	ALIPURDUAR-SALAKATI	D/C	0	119	0.0	1.5	-2	
ER-NER						0.0	11.3	-11.3	
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	304	0.0	9.5	-9.5	
35		V'CHAL B/B	D/C	449	0	12.1	0.0	12.1	
36		APL -MHG	D/C	0	690	0.0	18.3	-18.3	
37	765 kV	GWALIOR-AGRA	D/C	0	1986	0.0	37.1	-37.1	
38		PHAGI-GWALIOR	D/C	0	1026	0.0	18.7	-18.7	
39		JABALPUR-ORAI	D/C	0	1373	0.0	28.2	-28.2	
40		GWALIOR-ORAI	S/C	427	0	7.8	0.0	7.8	
41		SATNA-ORAI	S/C	0	1294	0.0	27.1	-27.1	
42		CHITTORGARH-BANASKANTHA	D/C	0	655	0.0	10.4	-10.4	
43	400 kV	ZERDA-KANKROLI	S/C	0	102	0.0	1.2	-1.2	
44		ZERDA -BHINMAL	S/C	0	224	0.0	3.6	-3.6	
45		V'CHAL -RIHAND	S/C	965	0	22.4	0.0	22.4	
46		RAPP-SHUJALPUR	D/C	0	256	0	4	-4	
47	220 kV	BHANPURA-RANPUR	S/C	0	66	0.0	1.1	-1.1	
48		BHANPURA-MORAK	S/C	0	117	0.0	1.8	-1.8	
49		MEHGAON-AURAIYA	S/C	70	0	1.0	0.0	1.0	
50		MALANPUR-AURAIYA	S/C	34	7	0.3	0.0	0.3	
51	132kV	GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0	
WR-NR						43.5	160.7	-117.2	
Import/Export of WR (With SR)									
52	HVDC	BHADRAWATI B/B	-	0	823	0.0	10.3	-10.3	
53	LINK	BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0	
54	765 kV	SOLAPUR-RAICHUR	D/C	181	1602	0.0	15.0	-14.9	
55		WARDHA-NIZAMABAD	D/C	0	2027	0.0	32.9	-32.9	
56	400 kV	KOLHAPUR-KUDGI	D/C	561	0	8.4	0.0	8.4	
57	220 kV	KOLHAPUR-CHIKODI	D/C	0	0	0.0	0.0	0.0	
58		PONDA-AMBEWADI	S/C	0	62	0.0	1.2	-1.2	
59		XELDEM-AMBEWADI	S/C	0	36	0.7	0.0	0.7	
WR-SR						9.1	59.4	-50.3	
TRANSNATIONAL EXCHANGE									
60		BHUTAN						40.2	
61		NEPAL						0.4	
62		BANGLADESH						-24.9	