



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: 05th 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 04.10.2019.

महोदय/Dear Sir,

आईईजीसी-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 04-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 04th Oct 2019, is available at the NLDC website.

धन्यवाद,

Report for previous day

Date of Reporting

5-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 2000 hrs; from RLDCs)	46615	45177	39159	21382	2672	155005
Peak Shortage (MW)	1765	36	0	0	85	1886
Energy Met (MU)	963	1009	899	417	49	3337
Hydro Gen (MU)	208	98	114	137	24	582
Wind Gen (MU)	12	14	16	-----	-----	42
Solar Gen (MU)*	31.07	20.2	79.23	1.95	0.03	132
Energy Shortage (MU)	11.2	0.1	0.0	0.0	0.8	12.1
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	47598 19:16	45993 18:51	40573 18:55	21112 18:59	2877 18:06	157673 18:59

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	0.02	4.54	4.56	78.40	17.04

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	6164	0	135.8	70.3	-0.6	66	0.0
	Haryana	7106	0	141.4	99.4	1.2	195	0.0
	Rajasthan	8713	0	186.9	50.0	-1.5	552	0.0
	Delhi	4312	0	89.4	73.9	-1.6	56	0.0
	UP	15683	390	310.0	139.4	2.5	670	3.3
	Uttarakhand	1782	0	36.7	15.9	0.9	173	0.0
	HP	1374	0	26.4	8.9	-0.1	97	0.0
	J&K	2723	545	32.7	21.6	-1.2	252	7.9
WR	Chandigarh	361	0	4.0	4.1	-0.2	154	0.0
	Chhattisgarh	3902	36	87.6	39.1	2.1	363	0.1
	Gujarat	13431	0	301.2	65.0	3.7	473	0.0
	MP	8177	0	168.6	83.7	-2.7	342	0.0
	Maharashtra	18540	0	408.3	174.3	-1.7	428	0.0
	Goa	541	0	12.4	11.6	0.2	91	0.0
	DD	338	0	7.6	7.0	0.6	47	0.0
	DNH	758	0	17.6	17.8	-0.2	66	0.0
SR	Essar steel	293	0	5.5	5.7	-0.2	283	0.0
	Andhra Pradesh	7756	0	164.9	78.2	1.5	536	0.0
	Telangana	8204	0	176.9	57.9	0.1	423	0.0
	Karnataka	8384	0	162.4	43.3	-0.3	530	0.0
	Kerala	3554	0	72.4	47.6	1.3	197	0.0
	Tamil Nadu	14400	0	314.1	154.8	1.9	743	0.0
	Pondy	400	0	8.4	8.3	0.0	37	0.0
	Bihar	4834	0	87.7	85.9	1.3	500	0.0
ER	DVC	2999	0	63.5	-6.4	1.9	230	0.0
	Jharkhand	1320	0	24.8	15.2	0.2	120	0.0
	Odisha	4155	0	84.3	9.4	4.7	400	0.0
	West Bengal	8438	0	155.3	42.0	-0.8	270	0.0
	Sikkim	83	0	1.0	1.2	-0.3	18	0.0
NER	Arunachal Pradesh	125	1	2.1	2.1	-0.1	83	0.0
	Assam	1745	104	30.1	24.2	0.1	135	0.8
	Manipur	166	2	2.5	2.2	0.3	39	0.0
	Meghalaya	329	0	5.9	0.4	-0.1	38	0.0
	Mizoram	96	1	1.8	0.3	0.6	59	0.0
	Nagaland	129	2	2.2	2.2	-0.3	39	0.0
	Tripura	286	1	4.8	4.5	-0.5	72	0.0

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	42.2	-1.5	-17.5
Day peak (MW)	1835.0	-141.2	-1042.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	200.9	-183.0	74.0	-82.8	-9.0	0.1
Actual(MU)	190.9	-181.4	88.3	-88.4	-9.4	0.1
O/D/U/D(MU)	-9.9	1.6	14.3	-5.6	-0.4	0.1

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	4662	17217	7932	2780	97	32688
State Sector	9111	20145	8770	5350	11	43387
Total	13773	37362	16702	8130	108	76075

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Coal	454	939	443	392	12	2240
Lignite	15	12	51	0	0	78
Hydro	208	98	114	137	24	582
Nuclear	27	31	55	0	0	113
Gas, Naptha & Diesel	27	72	16	0	29	144
RES (Wind, Solar, Biomass & Others)	55	38	132	2	0	228
Total	786	1190	811	532	65	3383

Share of RES in total generation (%)	6.97	3.22	16.33	0.37	0.05	6.73
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	36.92	14.08	37.14	26.20	37.62	27.27

H. Diversity Factor

All India Demand Diversity Factor	1.003
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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 : 5-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	64	374	0.0	2.6	-2.6
2		SASARAM-FATEHPUR	S/C	115	244	0.0	1.7	-1.7
3		GAYA-BALIA	S/C	0	275	0.0	4.2	-4.2
4		ALIPURDUAR-AGRA	-	0	900	0.0	18.4	-18.4
5		PUSAULI B/B	S/C	0	198	0.0	4.7	-4.7
6	400 kV	PUSAULI-VARANASI	S/C	0	176	0.0	3.3	-3.3
7		PUSAULI -ALLAHABAD	S/C	0	93	0.0	1.3	-1.3
8		MUZAFFARPUR-GORAKHPUR	D/C	0	968	0.0	16.2	-16.2
9		PATNA-BALIA	Q/C	0	912	0.0	16.7	-16.7
10		BIHARSHARIFF-BALIA	D/C	0	244	0.0	4.1	-4.1
11	MOTIHARI-GORAKHPUR	D/C	0	9	0.0	0.0	0.0	
12	BIHARSHARIFF-VARANASI	D/C	125	132	0.1	0.0	0.1	
13	220 kV	PUSAULI-SAHUPURI	S/C	0	151	0.0	2.1	-2.1
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						0.4	75.3	-74.9
Import/Export of ER (With WR)								
18	765 kV	JHARSUGUDA-DHARAMJAIGARH	Q/C	1717	0	30.1	0.0	30.1
19		NEW RANCHI-DHARAMJAIGARH	D/C	532	221	4.3	0.0	4.3
20		JHARSUGUDA-DURG	D/C	208	64	1.6	0.0	1.6
21	400 kV	JHARSUGUDA-RAIGARH	Q/C	119	259	0.0	1.5	-1.5
22		RANCHI-SIPAT	D/C	185	106	1.1	0.0	1.1
23	220 kV	BUDHIPADAR-RAIGARH	S/C	0	83	0.0	1.2	-1.2
24		BUDHIPADAR-KORBA	D/C	71	29	0.3	0.0	0.3
ER-WR						37.3	2.7	34.6
Import/Export of ER (With SR)								
25	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	2227.0	0.0	37.9	-37.9
26	HVDC	JEYPORE-GAZUWAKA B/B	D/C	250.0	531.0	0.0	3.9	-3.9
27	LINK	TALCHER-KOLAR BIPOLE	D/C	0.0	1973.0	0.0	40.2	-40.2
28	400 kV	TALCHER-I/C	D/C	262.0	638.0	0.0	5.3	-5.3
29	220 kV	BALIMELA-UPPER-SILERRU	S/C	1.0	0.0	0.0	0.0	0.0
ER-SR						0.0	82.0	-82.0
Import/Export of ER (With NER)								
30	400 kV	BINAGURI-BONGAIGAON	D/C	14	300	0.0	3.0	-3
31		ALIPURDUAR-BONGAIGAON	D/C	259	169	0.0	0.2	0
32	220 kV	ALIPURDUAR-SALAKATI	D/C	0	84	0.0	1.0	-1
ER-NER						0.0	4.2	-4.2
Import/Export of NER (With NR)								
33	HVDC	BISWANATH CHARIALI-AGRA	-	0	703	0.0	14.9	-14.9
NER-NR						0.0	14.9	-14.9
Import/Export of WR (With NR)								
34	HVDC	CHAMPA-KURUKSHETRA	D/C	0	303	0.0	0.0	0.0
35		V'CHAL B/B	D/C	451	0	0.0	0.0	0.0
36		APL -MHG	D/C	0	1173	0.0	25.0	-25.0
37	765 kV	GWALIOR-AGRA	D/C	0	1843	0.0	33.9	-33.9
38		PHAGI-GWALIOR	D/C	0	843	0.0	13.7	-13.7
39		JABALPUR-ORAI	D/C	0	607	0.0	22.1	-22.1
40		GWALIOR-ORAI	S/C	382	0	6.9	0.0	6.9
41		SATNA-ORAI	S/C	0	1330	0.0	28.6	-28.6
42	CHITTORGARH-BANASKANTHA	D/C	0	802	0.0	8.8	-8.8	
43	400 kV	ZERDA-KANKROLI	S/C	70	116	0.4	0.5	-0.1
44		ZERDA -BHINMAL	S/C	266	211	1.0	1.3	-0.4
45		V'CHAL -RIHAND	S/C	969	0	22.0	0.0	22.0
46	RAPP-SHUJALPUR	D/C	108	183	0	1	-1	
47	220 kV	BHANPURA-RANPUR	S/C	20	45	0.1	0.3	-0.2
48		BHANPURA-MORAK	S/C	0	84	0.0	1.0	-1.0
49		MEHGAON-AURAIYA	S/C	81	0	1.0	0.0	1.0
50		MALANPUR-AURAIYA	S/C	48	9	0.3	0.0	0.3
51	132kV	GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0
WR-NR						31.5	136.1	-104.6
Import/Export of WR (With SR)								
52	HVDC	BHADRAWATI B/B	-	0	610	0.0	0.0	0.0
53	LINK	BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0
54	765 kV	SOLAPUR-RAICHUR	D/C	0	1431	0.0	15.5	-15.5
55		WARDHA-NIZAMABAD	D/C	0	1955	0.0	34.6	-34.6
56	400 kV	KOLHAPUR-KUDGI	D/C	835	0	12.7	0.0	12.7
57	220 kV	KOLHAPUR-CHIKODI	D/C	0	0	0.0	0.0	0.0
58		PONDA-AMBEWADI	S/C	1	62	0.0	1.3	-1.3
59		XELDEM-AMBEWADI	S/C	1	56	0.7	0.0	0.7
WR-SR						13.4	51.3	-37.9
TRANSNATIONAL EXCHANGE								
60		BHUTAN						42.2
61		NEPAL						-1.5
62		BANGLADESH						-17.5