



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: 11th 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 10.10.2019.

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 10-अक्टूबर-2019 की अखिल भारतीय प्रणाली की दैनिक ग्रिड निष्पादन रिपोर्ट रा०भा०प्रे०के० 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 10th 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

11-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)	48195	47417	38863	19599	2467	156541
Peak Shortage (MW)	529	0	0	0	122	651
Energy Met (MU)	1030	1055	880	381	44	3391
Hydro Gen (MU)	191	101	158	122	16	590
Wind Gen (MU)	3	12	6	-----	-----	21
Solar Gen (MU)*	32.52	23.4	66.99	2.10	0.02	125
Energy Shortage (MU)	10.0	0.0	0.0	0.0	2.2	12.2
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	49830 19:17	47782 18:56	39665 18:52	19600 18:55	2555 18:02	158878 18:56

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	0.031	0.02	1.11	3.38	4.51	80.95	14.54

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	7186	0	154.6	69.7	-1.8	73	0.0
	Haryana	7303	0	155.6	123.5	1.4	376	0.0
	Rajasthan	9076	0	197.7	67.5	-1.3	365	0.0
	Delhi	4112	0	83.2	68.6	-1.7	125	0.0
	UP	17193	0	332.7	134.9	2.7	771	0.4
	Uttarakhand	1766	0	35.4	14.2	0.7	199	0.0
	HP	1439	0	27.2	12.4	-0.4	101	0.0
	J&K	2218	555	39.9	29.7	-0.2	352	9.5
Chandigarh	219	0	4.1	4.1	-0.1	23	0.0	
WR	Chhattisgarh	3890	0	87.5	36.5	1.1	250	0.0
	Gujarat	14797	0	327.4	80.3	4.2	449	0.0
	MP	8423	0	178.6	104.1	-2.5	348	0.0
	Maharashtra	18797	0	418.3	154.1	-2.8	434	0.0
	Goa	541	0	11.2	11.4	-0.8	43	0.0
	DD	340	0	7.6	6.9	0.7	58	0.0
	DNH	783	0	17.7	17.8	-0.1	36	0.0
	Essar steel	335	0	6.3	5.6	0.7	346	0.0
SR	Andhra Pradesh	7392	0	159.6	70.3	0.1	327	0.0
	Telangana	8200	0	168.6	45.4	-0.5	495	0.0
	Karnataka	7878	0	153.5	36.1	0.3	496	0.0
	Kerala	3545	0	71.7	47.4	1.6	215	0.0
	Tamil Nadu	14507	0	318.7	155.3	1.6	492	0.0
	Pondy	404	0	8.2	8.3	-0.1	44	0.0
ER	Bihar	4964	0	91.3	88.6	0.6	80	0.0
	DVC	2891	0	59.9	-7.2	2.0	200	0.0
	Jharkhand	1235	0	23.2	14.2	-0.1	50	0.0
	Odisha	3853	0	78.3	9.5	7.2	410	0.0
	West Bengal	7105	0	128.2	37.2	0.7	300	0.0
Sikkim	52	0	0.6	1.2	-0.7	0	0.0	
NER	Arunachal Pradesh	116	3	2.2	2.1	-0.3	60	0.0
	Assam	1562	45	26.1	20.1	0.1	138	2.2
	Manipur	150	2	2.5	2.2	0.3	27	0.0
	Meghalaya	314	2	5.6	1.5	0.1	51	0.0
	Mizoram	92	1	1.8	0.4	1.0	16	0.0
	Nagaland	115	1	2.2	1.9	-0.1	11	0.0
	Tripura	245	7	3.8	2.7	-0.5	41	0.0

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	33.7	0.0	-23.6
Day peak (MW)	1833.4	-38.3	-1071.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	214.7	-196.7	77.2	-91.8	-3.5	-0.1
Actual(MU)	216.1	-204.9	78.6	-94.9	-2.6	-7.7
O/D/U/D(MU)	1.4	-8.2	1.4	-3.1	0.9	-7.6

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	3202	15843	8262	1200	660	29167
State Sector	9451	19541	8870	6510	11	44383
Total	12653	35383	17132	7710	672	73550

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Coal	513	992	426	378	12	2320
Lignite	20	11	43	0	0	74
Hydro	191	101	158	122	16	590
Nuclear	28	29	60	0	0	117
Gas, Naptha & Diesel	36	69	15	0	23	144
RES (Wind, Solar, Biomass & Others)	45	40	108	2	0	195
Total	833	1244	809	502	52	3439

Share of RES in total generation (%)	5.39	3.24	13.34	0.43	0.04	5.68
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	31.69	13.73	40.28	24.79	31.97	26.21

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 :	11-Oct-19
Sl No	Voltage Level	Line Details	Circuit	Max Import (MW)	Max Export (MW)	Import (MU)	Export (MU)	NET (MU)	
								Import=(+ve) /Export =(-ve) for NET (MU)	
Import/Export of ER (With NR)									
1	765kV	GAYA-VARANASI	D/C	129	461	0.0	4.5	-4.5	
2		SASARAM-FATEHPUR	S/C	187	134	0.2	0.0	0.2	
3		GAYA-BALIA	S/C	0	295	0.0	4.8	-4.8	
4	HVDC	ALIPURDUAR-AGRA	-	0	1001	0.0	24.2	-24.2	
5		PUSAULI B/B	S/C	0	198	0.0	4.8	-4.8	
6	400 kV	PUSAULI-VARANASI	S/C	0	191	0.0	3.6	-3.6	
7		PUSAULI -ALLAHABAD	S/C	0	90	0.0	1.1	-1.1	
8		MUZAFFARPUR-GORAKHPUR	D/C	0	868	0.0	11.9	-11.9	
9		PATNA-BALIA	Q/C	0	873	0.0	15.4	-15.4	
10		BIHARSHARIFF-BALIA	D/C	0	256	0.0	3.9	-3.9	
11		MOTIHARI-GORAKHPUR	D/C	0	10	0.0	0.0	0.0	
12		BIHARSHARIFF-VARANASI	D/C	185	177	0.3	0.0	0.3	
13	220 kV	PUSAULI-SAHUPURI	S/C	0	152	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	1.0	77.0	-76.1
Import/Export of ER (With WR)									
18	765 kV	JHARSUGUDA-DHARAMJAIGARH	Q/C	1409	0	22.3	0.0	22.3	
19		NEW RANCHI-DHARAMJAIGARH	D/C	664	9	7.9	0.0	7.9	
20		JHARSUGUDA-DURG	D/C	198	67	1.4	0.0	1.4	
21	400 kV	JHARSUGUDA-RAIGARH	Q/C	108	181	0.0	0.5	-0.5	
22		RANCHI-SIPAT	D/C	213	12	2.3	0.0	2.3	
23	220 kV	BUDHIPADAR-RAIGARH	S/C	0	60	0.0	1.0	-1.0	
24		BUDHIPADAR-KORBA	D/C	33	0	0.6	0.0	0.6	
						ER-WR	34.5	1.5	32.9
Import/Export of ER (With SR)									
25	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	1701.0	0.0	30.6	-30.6	
26	HVDC	JEYPORE-GAZUWAKA B/B	D/C	0.0	482.0	0.0	11.1	-11.1	
27	LINK	TALCHER-KOLAR BIPOLE	D/C	0.0	1485.0	0.0	31.2	-31.2	
28	400 kV	TALCHER-I/C	D/C	237.0	318.0	0.0	0.4	-0.4	
29	220 kV	BALIMELA-UPPER-SILERRU	S/C	1.0	0.0	0.0	0.0	0.0	
						ER-SR	0.0	72.9	-72.9
Import/Export of ER (With NER)									
30	400 kV	BINAGURI-BONGAIGAON	D/C	0	541	0.0	8.7	-9	
31		ALIPURDUAR-BONGAIGAON	D/C	23	214	0.0	2.1	-2	
32	220 kV	ALIPURDUAR-SALAKATI	D/C	0	112	0.0	1.7	-2	
						ER-NER	0.0	12.4	-12.4
Import/Export of NER (With NR)									
33	HVDC	BISWANATH CHARIALI-AGRA	-	0	704	0.0	17.1	-17.1	
						NER-NR	0.0	17.1	-17.1
Import/Export of WR (With NR)									
34	HVDC	CHAMPA-KURUKSHETRA	D/C	0	853	0.0	21.4	-21.4	
35		V'CHAL B/B	D/C	450	0	12.1	0.0	12.1	
36		APL -MHG	D/C	0	685	0.0	25.8	-25.8	
37	765 kV	GWALIOR-AGRA	D/C	0	1879	0.0	36.0	-36.0	
38		PHAGI-GWALIOR	D/C	0	1028	0.0	18.3	-18.3	
39		JABALPUR-ORAI	D/C	0	666	0.0	26.7	-26.7	
40		GWALIOR-ORAI	S/C	378	0	7.0	0.0	7.0	
41		SATNA-ORAI	S/C	0	1270	0.0	27.3	-27.3	
42		CHITTORGARH-BANASKANTHA	D/C	26	695	0.0	7.4	-7.4	
43		ZERDA-KANKROLI	S/C	77	106	0.3	0.7	-0.4	
44	400 kV	ZERDA -BHINMAL	S/C	43	234	0.0	2.6	-2.5	
45		V'CHAL -RIHAND	S/C	964	0	22.7	0.0	22.7	
46	220 kV	RAPP-SHUJALPUR	D/C	0	300	0	5	-5	
47		BHANPURA-RANPUR	S/C	21	62	0.0	0.8	-0.7	
48		BHANPURA-MORAK	S/C	0	105	0.0	1.1	-1.1	
49		MEHGAON-AURAIYA	S/C	79	0	1.1	0.0	1.1	
50	132kV	MALANPUR-AURAIYA	S/C	44	23	0.4	0.0	0.4	
51		GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0	
						WR-NR	43.6	173.2	-129.6
Import/Export of WR (With SR)									
52	HVDC	BHADRAWATI B/B	-	0	512	0.0	8.3	-8.3	
53	LINK	BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0	
54	765 kV	SOLAPUR-RAICHUR	D/C	345	1254	0.7	9.0	-8.3	
55		WARDHA-NIZAMABAD	D/C	0	1867	0.0	30.8	-30.8	
56	400 kV	KOLHAPUR-KUDGI	D/C	601	0	9.2	0.0	9.2	
57	220 kV	KOLHAPUR-CHIKODI	D/C	0	0	0.0	0.0	0.0	
58		PONDA-AMBEWADI	S/C	3	68	0.0	1.1	-1.1	
59		XELDEM-AMBEWADI	S/C	1	40	0.6	0.0	0.6	
						WR-SR	10.6	49.2	-38.7
TRANSNATIONAL EXCHANGE									
60		BHUTAN						33.7	
61		NEPAL						0.0	
62		BANGLADESH						-23.6	