



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: 09th 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 08.10.2019.

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 08-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 08th 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

9-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)	42153	39610	36059	16472	2056	136350
Peak Shortage (MW)	441	0	0	0	321	762
Energy Met (MU)	931	937	821	356	40	3085
Hydro Gen (MU)	199	98	131	109	19	556
Wind Gen (MU)	4	14	8	-----	-----	26
Solar Gen (MU)*	34.01	22.2	72.48	1.97	0.03	131
Energy Shortage (MU)	8.4	0.0	0.0	0.0	4.1	12.5
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	43034 19:14	40763 06:49	36551 19:30	17299 00:06	2086 19:17	137714 19:30

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	0.034	0.00	0.00	0.01	0.01	61.47	38.52

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	6470	0	133.1	66.2	-1.2	75	0.0
	Haryana	6138	0	135.6	94.0	1.7	156	0.0
	Rajasthan	8485	0	184.7	54.4	1.4	268	0.0
	Delhi	3346	0	73.1	57.1	-0.5	83	0.0
	UP	15900	0	311.2	135.8	0.1	332	0.0
	Uttarakhand	1499	0	32.2	11.1	-0.3	186	0.0
	HP	1197	0	22.4	7.2	-0.6	108	0.0
	J&K	1907	477	35.2	29.2	-4.3	65	8.4
WR	Chandigarh	178	0	3.5	3.9	-0.4	19	0.0
	Chhattisgarh	3410	0	79.6	34.8	-1.5	264	0.0
	Gujarat	12258	0	281.6	67.8	1.4	554	0.0
	MP	7620	0	167.8	88.6	-3.2	225	0.0
	Maharashtra	16943	0	371.3	129.4	2.3	719	0.0
	Goa	541	0	11.2	11.1	-0.5	38	0.0
	DD	274	0	4.6	4.2	0.4	37	0.0
	DNH	705	0	14.6	14.7	-0.1	72	0.0
SR	Essar steel	356	0	6.6	5.9	0.7	381	0.0
	Andhra Pradesh	6868	0	154.8	76.0	1.1	366	0.0
	Telangana	7836	0	164.0	39.8	-0.8	300	0.0
	Karnataka	6997	0	137.1	38.4	-0.5	704	0.0
	Kerala	3415	0	68.7	49.2	2.0	198	0.0
	Tamil Nadu	13691	0	288.2	134.8	2.3	708	0.0
	Pondy	387	0	7.8	8.0	-0.2	38	0.0
	ER	Bihar	4751	0	86.3	87.4	-4.9	350
DVC		2371	0	51.2	-14.8	1.4	300	0.0
Jharkhand		979	0	20.5	13.8	-2.1	0	0.0
Odisha		3743	0	77.2	12.5	8.3	500	0.0
West Bengal		6087	0	120.5	30.1	-0.2	250	0.0
NER	Sikkim	37	0	0.3	1.1	-0.8	0	0.0
	Arunachal Pradesh	115	1	2.0	1.7	-0.1	51	0.0
	Assam	1450	186	22.0	13.5	2.3	148	4.0
	Manipur	152	3	2.3	2.2	0.1	32	0.0
	Meghalaya	292	0	5.1	-0.9	0.5	83	0.0
	Mizoram	87	1	1.7	0.2	0.4	23	0.0
	Nagaland	117	2	2.1	2.0	-0.2	47	0.0
	Tripura	257	3	4.5	2.7	-0.2	96	0.0

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	32.3	1.2	-24.7
Day peak (MW)	1942.4	-122.0	-1089.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	181.6	-185.9	84.5	-69.1	-11.3	-0.1
Actual(MU)	175.1	-191.1	97.2	-76.9	-7.3	-3.0
O/D/U/D(MU)	-6.5	-5.2	12.7	-7.9	4.0	-3.0

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	4474	15428	8012	1570	910	30394
State Sector	9386	19263	9290	6150	11	44100
Total	13860	34691	17302	7720	922	74494

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Coal	459	882	365	337	10	2052
Lignite	14	8	41	0	0	63
Hydro	199	98	131	109	19	556
Nuclear	28	29	60	0	0	117
Gas, Naptha & Diesel	32	62	16	0	23	133
RES (Wind, Solar, Biomass & Others)	49	44	114	2	0	209
Total	780	1122	728	447	51	3129

Share of RES in total generation (%)	6.30	3.88	15.72	0.45	0.06	6.68
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	35.31	15.21	42.04	24.73	36.81	28.18

H. Diversity Factor

All India Demand Diversity Factor	1.015
-----------------------------------	-------

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 :	9-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	131	312	0.0	2.9	-2.9	
2		SASARAM-FATEHPUR	S/C	156	158	0.2	0.0	0.2	
3		GAYA-BALIA	S/C	0	257	0.0	4.5	-4.5	
4	HVDC	ALIPURDUAR-AGRA	-	0	701	0.0	17.1	-17.1	
5		PUSAULI B/B	S/C	0	198	0.0	4.8	-4.8	
6	400 kV	PUSAULI-VARANASI	S/C	0	200	0.0	3.8	-3.8	
7		PUSAULI -ALLAHABAD	S/C	0	77	0.0	0.8	-0.8	
8		MUZAFFARPUR-GORAKHPUR	D/C	0	850	0.0	13.3	-13.3	
9		PATNA-BALIA	Q/C	0	696	0.0	16.7	-16.7	
10		BIHARSHARIFF-BALIA	D/C	0	276	0.0	3.8	-3.8	
11		MOTIHARI-GORAKHPUR	D/C	0	10	0.0	0.0	0.0	
12		BIHARSHARIFF-VARANASI	D/C	160	158	0.4	0.0	0.4	
13	220 kV	PUSAULI-SAHUPURI	S/C	0	137	0.0	2.5	-2.5	
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	70.1	-69.2
Import/Export of ER (With WR)									
18	765 kV	JHARSUGUDA-DHARAMJAIGARH	Q/C	1661	0	25.8	0.0	25.8	
19		NEW RANCHI-DHARAMJAIGARH	D/C	617	71	7.5	0.0	7.5	
20		JHARSUGUDA-DURG	D/C	232	45	2.2	0.0	2.2	
21	400 kV	JHARSUGUDA-RAIGARH	Q/C	171	141	0.7	0.0	0.7	
22		RANCHI-SIPAT	D/C	211	51	1.6	0.0	1.6	
23	220 kV	BUDHIPADAR-RAIGARH	S/C	0	65	0.0	0.8	-0.8	
24		BUDHIPADAR-KORBA	D/C	60	15	0.9	0.0	0.9	
						ER-WR	38.7	0.8	37.9
Import/Export of ER (With SR)									
25	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	1846.0	0.0	32.7	-32.7	
26	HVDC	JEYPORE-GAZUWAKA B/B	D/C	0.0	680.0	0.0	11.7	-11.7	
27	LINK	TALCHER-KOLAR BIPOLE	D/C	0.0	1483.0	0.0	23.4	-23.4	
28	400 kV	TALCHER-I/C	D/C	1024.0	503.0	2.9	0.0	2.9	
29	220 kV	BALIMELA-UPPER-SILERRU	S/C	1.0	0.0	0.0	0.0	0.0	
						ER-SR	0.0	67.8	-67.8
Import/Export of ER (With NER)									
30	400 kV	BINAGURI-BONGAIGAON	D/C	0	373	0.0	5.2	-5	
31		ALIPURDUAR-BONGAIGAON	D/C	146	223	0.0	0.2	0	
32	220 kV	ALIPURDUAR-SALAKATI	D/C	0	83	0.0	1.0	-1	
						ER-NER	0.0	6.4	-6.4
Import/Export of NER (With NR)									
33	HVDC	BISWANATH CHARIALI-AGRA	-	0	703	0.0	16.6	-16.6	
						NER-NR	0.0	16.6	-16.6
Import/Export of WR (With NR)									
34	HVDC	CHAMPA-KURUKSHETRA	D/C	0	304	0.0	9.9	-9.9	
35		V'CHAL B/B	D/C	449	0	12.0	0.0	12.0	
36		APL -MHG	D/C	0	1366	0.0	27.1	-27.1	
37	765 kV	GWALIOR-AGRA	D/C	0	1693	0.0	29.8	-29.8	
38		PHAGI-GWALIOR	D/C	0	952	0.0	15.7	-15.7	
39		JABALPUR-ORAI	D/C	0	579	0.0	21.5	-21.5	
40		GWALIOR-ORAI	S/C	361	0	6.7	0.0	6.7	
41		SATNA-ORAI	S/C	0	1277	0.0	24.8	-24.8	
42		CHITTORGARH-BANASKANTHA	D/C	118	673	0.4	5.0	-4.6	
43		ZERDA-KANKROLI	S/C	72	99	0.5	0.4	0.1	
44	400 kV	ZERDA -BHINMAL	S/C	11	256	0.0	2.2	-2.2	
45		V'CHAL -RIHAND	S/C	964	0	22.3	0.0	22.3	
46	220 kV	RAPP-SHUJALPUR	D/C	70	163	0	2	-2	
47		BHANPURA-RANPUR	S/C	4	56	0.0	0.8	-0.8	
48		BHANPURA-MORAK	S/C	0	93	0.0	1.5	-1.5	
49		MEHGAON-AURAIYA	S/C	77	0	1.1	0.0	1.1	
50	132kV	MALANPUR-AURAIYA	S/C	43	1	0.4	0.0	0.4	
51		GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0	
						WR-NR	43.5	140.4	-96.9
Import/Export of WR (With SR)									
52	HVDC	BHADRAWATI B/B	-	0	1006	0.0	13.1	-13.1	
53	LINK	BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0	
54	765 kV	SOLAPUR-RAICHUR	D/C	24	1444	0.0	16.3	-16.3	
55		WARDHA-NIZAMABAD	D/C	0	1868	0.0	33.4	-33.4	
56	400 kV	KOLHAPUR-KUDGI	D/C	436	14	5.2	0.0	5.2	
57	220 kV	KOLHAPUR-CHIKODI	D/C	0	0	0.0	0.0	0.0	
58		PONDA-AMBEWADI	S/C	0	64	0.0	1.1	-1.1	
59		XELDEM-AMBEWADI	S/C	0	30	0.6	0.0	0.6	
						WR-SR	5.8	63.9	-58.0
TRANSNATIONAL EXCHANGE									
60		BHUTAN						32.3	
61		NEPAL						1.2	
62		BANGLADESH						-24.7	