



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: 07th 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 06.10.2019.

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 06-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 06th 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

7-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)	44937	42784	36329	19212	2571	145833
Peak Shortage (MW)	452	0	0	0	28	480
Energy Met (MU)	976	984	834	404	48	3247
Hydro Gen (MU)	206	95	95	118	24	539
Wind Gen (MU)	13	9	11	-----	-----	33
Solar Gen (MU)*	26.22	20.8	66.36	2.03	0.04	115
Energy Shortage (MU)	9.3	0.0	0.0	0.0	0.3	9.6
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	45578 19:16	43129 19:01	36582 18:36	19252 00:04	2655 18:37	146157 19:06

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	0.022	0.00	0.00	1.57	1.57	78.08	20.35

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	6587	0	141.1	71.3	-0.8	108	0.0
	Haryana	6702	0	142.9	100.6	0.0	268	0.0
	Rajasthan	8555	0	185.4	54.7	-3.1	231	0.0
	Delhi	3690	0	77.8	63.2	-1.9	32	0.0
	UP	16710	0	326.7	124.4	2.4	702	0.0
	Uttarakhand	1651	0	34.3	11.3	0.5	119	0.0
	HP	1332	0	25.6	9.1	-0.1	105	0.0
	J&K	1855	464	39.5	30.1	0.5	449	9.3
WR	Chandigarh	170	0	3.2	3.6	-0.5	13	0.0
	Chhattisgarh	3721	0	88.0	41.0	1.8	572	0.0
	Gujarat	12794	0	290.5	56.4	6.0	447	0.0
	MP	7890	0	170.2	88.1	-1.8	257	0.0
	Maharashtra	17481	0	392.1	150.3	1.1	418	0.0
	Goa	541	0	12.4	10.5	1.3	47	0.0
	DD	320	0	7.3	6.8	0.5	41	0.0
	DNH	760	0	17.3	17.3	0.0	94	0.0
SR	Essar steel	320	0	6.4	5.7	0.7	315	0.0
	Andhra Pradesh	7443	0	160.7	83.3	0.3	652	0.0
	Telangana	8435	0	174.3	73.0	0.4	463	0.0
	Karnataka	6881	0	138.7	32.6	0.6	776	0.0
	Kerala	3201	0	64.2	45.4	1.6	216	0.0
	Tamil Nadu	12577	0	288.7	139.3	0.3	493	0.0
	Pondy	347	0	7.4	7.6	-0.2	43	0.0
	ER	Bihar	5121	0	93.7	95.7	-4.1	200
DVC		2800	0	59.7	-10.9	1.0	190	0.0
Jharkhand		1102	0	24.8	16.0	-0.9	100	0.0
Odisha		3859	0	82.1	12.9	7.5	600	0.0
West Bengal		7058	0	143.4	36.1	0.2	300	0.0
NER	Sikkim	63	0	0.7	1.2	-0.5	10	0.0
	Arunachal Pradesh	126	1	2.2	2.0	-0.1	26	0.0
	Assam	1636	13	29.2	22.6	0.3	127	0.2
	Manipur	157	2	2.5	2.2	0.3	15	0.0
	Meghalaya	293	0	5.2	0.1	-0.1	43	0.0
	Mizoram	83	1	1.7	0.3	0.3	57	0.0
	Nagaland	129	2	2.2	2.2	-0.2	46	0.0
	Tripura	277	2	4.8	4.1	-0.4	70	0.0

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	36.3	0.5	-25.2
Day peak (MW)	1581.6	-29.1	-1058.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	188.9	-191.6	79.5	-68.4	-8.4	0.0
Actual(MU)	163.3	-170.2	99.8	-78.9	-10.2	3.9
O/D/U/D(MU)	-25.6	21.4	20.3	-10.5	-1.8	3.9

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	4394	16913	8512	2070	97	31986
State Sector	9231	20316	9570	5750	11	44878
Total	13625	37229	18082	7820	108	76864

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Coal	488	927	404	382	10	2211
Lignite	13	9	46	0	0	69
Hydro	206	95	95	118	24	539
Nuclear	28	30	59	0	0	116
Gas, Naptha & Diesel	31	63	15	0	29	138
RES (Wind, Solar, Biomass & Others)	58	35	112	2	0	207
Total	823	1160	731	503	64	3280

Share of RES in total generation (%)	7.01	3.01	15.31	0.41	0.06	6.30
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	35.34	13.85	36.30	23.93	38.42	26.27

H. Diversity Factor

All India Demand Diversity Factor	1.007
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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 :	7-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	182	206	0.0	0.5	-0.5	
2		SASARAM-FATEHPUR	S/C	125	168	0.0	0.2	-0.2	
3		GAYA-BALIA	S/C	0	258	0.0	4.9	-4.9	
4	HVDC	ALIPURDUAR-AGRA	-	0	800	0.0	18.8	-18.8	
5		PUSAULI B/B	S/C	0	196	0.0	4.9	-4.9	
6	400 kV	PUSAULI-VARANASI	S/C	0	204	0.0	4.2	-4.2	
7		PUSAULI -ALLAHABAD	S/C	0	77	0.0	0.6	-0.6	
8		MUZAFFARPUR-GORAKHPUR	D/C	0	917	0.0	11.6	-11.6	
9		PATNA-BALIA	Q/C	0	864	0.0	16.2	-16.2	
10		BIHARSHARIFF-BALIA	D/C	0	340	0.0	4.8	-4.8	
11		MOTIHARI-GORAKHPUR	D/C	0	9	0.0	0.0	0.0	
12		BIHARSHARIFF-VARANASI	D/C	167	139	1.4	0.0	1.4	
13	220 kV	PUSAULI-SAHUPURI	S/C	0	143	0.0	2.6	-2.6	
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	1.7	69.3	-67.6
Import/Export of ER (With WR)									
18	765 kV	JHARSUGUDA-DHARAMJAIGARH	Q/C	1593	0	28.7	0.0	28.7	
19		NEW RANCHI-DHARAMJAIGARH	D/C	511	283	5.1	0.0	5.1	
20		JHARSUGUDA-DURG	D/C	136	59	1.3	0.0	1.3	
21	400 kV	JHARSUGUDA-RAIGARH	Q/C	184	185	0.0	0.2	-0.2	
22		RANCHI-SIPAT	D/C	180	119	1.6	0.0	1.6	
23	220 kV	BUDHIPADAR-RAIGARH	S/C	0	70	0.0	0.9	-0.9	
24		BUDHIPADAR-KORBA	D/C	83	0	1.1	0.0	1.1	
						ER-WR	37.8	1.0	36.8
Import/Export of ER (With SR)									
25	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	1875.0	0.0	35.4	-35.4	
26	HVDC	JEYPORE-GAZUWAKA B/B	D/C	0.0	714.0	0.0	16.2	-16.2	
27	LINK	TALCHER-KOLAR BIPOLE	D/C	0.0	1481.0	0.0	25.1	-25.1	
28	400 kV	TALCHER-I/C	D/C	437.0	460.0	2.2	0.0	2.2	
29	220 kV	BALIMELA-UPPER-SILERRU	S/C	1.0	0.0	0.0	0.0	0.0	
						ER-SR	0.0	76.7	-76.7
Import/Export of ER (With NER)									
30	400 kV	BINAGURI-BONGAIGAON	D/C	55	335	0.0	2.7	-3	
31		ALIPURDUAR-BONGAIGAON	D/C	237	57	1.8	0.0	2	
32	220 kV	ALIPURDUAR-SALAKATI	D/C	6	63	0.0	0.8	-1	
						ER-NER	1.8	3.5	-1.8
Import/Export of NER (With NR)									
33	HVDC	BISWANATH CHARIALI-AGRA	-	0	603	0.0	13.6	-13.6	
						NER-NR	0.0	13.6	-13.6
Import/Export of WR (With NR)									
34	HVDC	CHAMPA-KURUKSHETRA	D/C	0	304	0.0	0.0	0.0	
35		V'CHAL B/B	D/C	449	0	0.0	0.0	0.0	
36		APL -MHG	D/C	0	1078	0.0	22.5	-22.5	
37	765 kV	GWALIOR-AGRA	D/C	0	1571	0.0	29.4	-29.4	
38		PHAGI-GWALIOR	D/C	0	837	0.0	14.9	-14.9	
39		JABALPUR-ORAI	D/C	0	475	0.0	8.1	-8.1	
40		GWALIOR-ORAI	S/C	357	0	6.1	0.0	6.1	
41		SATNA-ORAI	S/C	0	1196	0.0	26.5	-26.5	
42		CHITTORGARH-BANASKANTHA	D/C	74	745	0.0	8.3	-8.2	
43		ZERDA-KANKROLI	S/C	45	109	0.1	0.5	-0.3	
44	400 kV	ZERDA -BHINMAL	S/C	207	157	0.7	1.1	-0.5	
45		V'CHAL -RIHAND	S/C	968	0	22.6	0.0	22.6	
46	220 kV	RAPP-SHUJALPUR	D/C	145	106	0	1	0	
47		BHANPURA-RANPUR	S/C	9	47	0.0	0.5	-0.5	
48		BHANPURA-MORAK	S/C	0	98	0.0	1.2	-1.2	
49		MEHGAON-AURAIYA	S/C	92	0	1.3	0.0	1.3	
50		MALANPUR-AURAIYA	S/C	56	0	0.5	0.0	0.5	
51	132kV	GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0	
						WR-NR	31.6	113.8	-82.2
Import/Export of WR (With SR)									
52	HVDC	BHADRAWATI B/B	-	0	1006	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	1564	0.0	22.0	-22.0	
55		WARDHA-NIZAMABAD	D/C	0	2066	0.0	38.7	-38.7	
56	400 kV	KOLHAPUR-KUDGI	D/C	759	0	10.1	0.0	10.1	
57		KOLHAPUR-CHIKODI	D/C	0	0	0.0	0.0	0.0	
58	220 kV	PONDA-AMBEWADI	S/C	0	59	0.0	1.2	-1.2	
59		XELDEM-AMBEWADI	S/C	0	36	0.7	0.0	0.7	
						WR-SR	10.8	61.9	-51.1
TRANSNATIONAL EXCHANGE									
60		BHUTAN						36.3	
61		NEPAL						0.5	
62		BANGLADESH						-25.2	