



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: 06th 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 05.10.2019.

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 05-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 05th 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

6-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)	46829	45961	37670	20428	2726	153614
Peak Shortage (MW)	1195	0	0	0	93	1288
Energy Met (MU)	984	1017	881	406	51	3337
Hydro Gen (MU)	209	103	99	130	24	564
Wind Gen (MU)	7	10	8	-----	-----	24
Solar Gen (MU)*	29.81	20.84	79.45	1.64	0.04	132
Energy Shortage (MU)	9.0	0.0	0.0	0.0	0.5	9.5
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	47081 19:04	46335 19:00	39677 18:50	20573 18:44	2868 17:55	155858 19:00

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	0.39	0.39	76.52	23.09

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	6331	0	139.3	68.3	-1.1	89	0.0	
	Haryana	7235	0	143.8	102.2	0.5	208	0.0	
	Rajasthan	8640	0	195.2	60.5	-3.5	245	0.0	
	Delhi	3925	0	82.2	66.9	-1.3	123	0.0	
	UP	16485	0	319.5	141.6	-1.1	500	0.0	
	Uttarakhand	1709	0	35.5	12.1	0.0	94	0.0	
	HP	1422	0	26.9	9.8	0.4	94	0.0	
	J&K	2033	508	37.6	26.9	-1.8	206	9.0	
WR	Chandigarh	188	0	3.5	4.1	-0.6	9	0.0	
	Chhattisgarh	3908	0	89.6	42.5	3.0	471	0.0	
	Gujarat	13777	0	305.6	60.4	6.5	485	0.0	
	MP	8222	0	170.7	85.4	-2.7	457	0.0	
	Maharashtra	18271	0	406.3	166.4	-1.3	644	0.0	
	Goa	541	0	12.4	12.2	-0.3	123	0.0	
	DD	329	0	7.5	7.0	0.5	44	0.0	
	DNH	790	0	18.5	18.4	0.1	98	0.0	
SR	Essar steel	320	0	6.1	5.7	0.4	323	0.0	
	Andhra Pradesh	7492	0	163.3	84.4	1.0	432	0.0	
	Telangana	8254	0	177.0	62.1	0.6	582	0.0	
	Karnataka	8250	0	156.7	39.6	-0.3	500	0.0	
	Kerala	3135	0	69.6	47.1	1.8	270	0.0	
	Tamil Nadu	13810	0	305.9	151.9	1.2	535	0.0	
	Pondy	370	0	8.3	8.4	-0.1	22	0.0	
	ER	Bihar	5029	0	88.2	91.6	-5.2	260	0.0
DVC		2942	0	62.4	-11.8	2.9	340	0.0	
Jharkhand		1226	0	24.8	16.7	-0.4	115	0.0	
Odisha		4164	0	85.7	10.2	7.9	635	0.0	
West Bengal		7618	0	143.9	34.7	0.1	240	0.0	
Sikkim		75	0	0.9	1.5	-0.6	15	0.0	
NER		Arunachal Pradesh	128	1	2.1	1.9	-0.1	119	0.0
		Assam	1722	62	31.7	24.9	0.8	110	0.4
	Manipur	162	2	2.5	2.2	0.3	28	0.0	
	Meghalaya	310	0	5.4	0.1	-0.2	59	0.0	
	Mizoram	93	1	1.8	0.8	0.3	12	0.0	
	Nagaland	129	2	2.1	2.3	-0.5	34	0.0	
	Tripura	288	0	5.0	4.1	-0.4	50	0.0	

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	39.1	-1.2	-24.4
Day peak (MW)	1642.7	-80.0	-1058.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	208.4	-186.8	71.4	-84.6	-8.5	0.0
Actual(MU)	196.0	-181.2	88.4	-95.0	-9.1	-0.9
O/D/U/D(MU)	-12.4	5.5	17.0	-10.4	-0.6	-0.9

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	4394	16913	7932	2070	97	31405
State Sector	8091	19973	9020	5240	11	42335
Total	12485	36886	16952	7310	108	73740

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Coal	474	953	449	405	12	2294
Lignite	16	11	49	0	0	75
Hydro	209	103	99	130	24	564
Nuclear	28	31	55	0	0	113
Gas, Naptha & Diesel	30	64	15	0	29	138
RES (Wind, Solar, Biomass & Others)	48	35	122	2	0	207
Total	804	1196	790	536	65	3391

Share of RES in total generation (%)	5.96	2.96	15.45	0.31	0.06	6.11
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	35.32	14.13	34.96	24.47	37.53	26.09

H. Diversity Factor

All India Demand Diversity Factor	1.004
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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 :	6-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	105	347	0.0	3.8	-3.8	
2		SASARAM-FATEHPUR	S/C	56	280	0.0	2.0	-2.0	
3		GAYA-BALIA	S/C	0	345	0.0	4.2	-4.2	
4	HVDC	ALIPURDUAR-AGRA	-	0	900	0.0	16.0	-16.0	
5		PUSAULI B/B	S/C	0	196	0.0	4.8	-4.8	
6	400 kV	PUSAULI-VARANASI	S/C	0	220	0.0	3.4	-3.4	
7		PUSAULI -ALLAHABAD	S/C	15	97	0.0	1.3	-1.3	
8		MUZAFFARPUR-GORAKHPUR	D/C	0	1117	0.0	17.6	-17.6	
9		PATNA-BALIA	Q/C	0	945	0.0	16.7	-16.7	
10		BIHARSHARIFF-BALIA	D/C	0	355	0.0	5.8	-5.8	
11		MOTIHARI-GORAKHPUR	D/C	0	10	0.0	0.0	0.0	
12		BIHARSHARIFF-VARANASI	D/C	110	174	0.0	0.9	-0.9	
13	220 kV	PUSAULI-SAHUPURI	S/C	0	148	0.0	2.4	-2.4	
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	78.7	-78.4
Import/Export of ER (With WR)									
18	765 kV	JHARSUGUDA-DHARAMJAIGARH	Q/C	1656	0	27.2	0.0	27.2	
19		NEW RANCHI-DHARAMJAIGARH	D/C	504	343	3.6	0.0	3.6	
20		JHARSUGUDA-DURG	D/C	173	106	0.8	0.0	0.8	
21	400 kV	JHARSUGUDA-RAIGARH	Q/C	89	290	0.0	1.6	-1.6	
22		RANCHI-SIPAT	D/C	148	131	0.9	0.0	0.9	
23	220 kV	BUDHIPADAR-RAIGARH	S/C	0	75	0.0	1.0	-1.0	
24		BUDHIPADAR-KORBA	D/C	75	24	0.4	0.0	0.4	
						ER-WR	32.9	2.6	30.3
Import/Export of ER (With SR)									
25	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	1834.0	0.0	33.0	-33.0	
26	HVDC	JEYPORE-GAZUWAKA B/B	D/C	0.0	690.0	0.0	14.3	-14.3	
27	LINK	TALCHER-KOLAR BIPOLE	D/C	0.0	1971.0	0.0	33.8	-33.8	
28	400 kV	TALCHER-I/C	D/C	423.0	694.0	0.0	1.2	-1.2	
29	220 kV	BALIMELA-UPPER-SILERRU	S/C	1.0	0.0	0.0	0.0	0.0	
						ER-SR	0.0	81.0	-81.0
Import/Export of ER (With NER)									
30	400 kV	BINAGURI-BONGAIGAON	D/C	128	269	0.0	1.9	-2	
31		ALIPURDUAR-BONGAIGAON	D/C	233	167	1.2	0.0	1	
32	220 kV	ALIPURDUAR-SALAKATI	D/C	13	77	0.0	0.7	-1	
						ER-NER	1.2	2.6	-1.4
Import/Export of NER (With NR)									
33	HVDC	BISWANATH CHARIALI-AGRA	-	0	502	0.0	12.2	-12.2	
						NER-NR	0.0	12.2	-12.2
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	450	0	0.0	0.0	0.0	
36		APL -MHG	D/C	0	1080	0.0	23.3	-23.3	
37	765 kV	GWALIOR-AGRA	D/C	0	1818	0.0	35.4	-35.4	
38		PHAGI-GWALIOR	D/C	0	926	0.0	18.0	-18.0	
39		JABALPUR-ORAI	D/C	0	577	0.0	10.5	-10.5	
40		GWALIOR-ORAI	S/C	370	0	7.0	0.0	7.0	
41		SATNA-ORAI	S/C	0	1285	0.0	28.1	-28.1	
42		CHITTORGARH-BANASKANTHA	D/C	15	637	0.0	8.8	-8.8	
43		ZERDA-KANKROLI	S/C	50	82	0.1	0.6	-0.5	
44	400 kV	ZERDA -BHINMAL	S/C	110	207	0.1	2.0	-1.9	
45		V'CHAL -RIHAND	S/C	970	0	22.7	0.0	22.7	
46		RAPP-SHUJALPUR	D/C	16	188	0	2	-2	
47	220 kV	BHANPURA-RANPUR	S/C	27	44	0.1	0.5	-0.4	
48		BHANPURA-MORAK	S/C	0	73	0.0	1.1	-1.1	
49		MEHGAON-AURAIYA	S/C	77	0	1.0	0.0	1.0	
50		MALANPUR-AURAIYA	S/C	52	12	0.4	0.0	0.4	
51	132kV	GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0	
						WR-NR	31.4	130.4	-99.0
Import/Export of WR (With SR)									
52	HVDC	BHADRAWATI B/B	-	0	613	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	50	1429	0.0	17.1	-17.1	
55		WARDHA-NIZAMABAD	D/C	0	2019	0.0	34.7	-34.7	
56	400 kV	KOLHAPUR-KUDGI	D/C	715	0	11.6	0.0	11.6	
57	220 kV	KOLHAPUR-CHIKODI	D/C	0	0	0.0	0.0	0.0	
58		PONDA-AMBEWADI	S/C	1	86	0.0	1.2	-1.2	
59		XELDEM-AMBEWADI	S/C	1	50	0.7	0.0	0.7	
						WR-SR	12.3	52.9	-40.7
TRANSNATIONAL EXCHANGE									
60		BHUTAN						39.1	
61		NEPAL						-1.2	
62		BANGLADESH						-24.4	