



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: 04th 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 03.10.2019.

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 03-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 03rd 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

4-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)	43726	45902	38789	20523	2743	151683
Peak Shortage (MW)	1929	0	0	0	120	2049
Energy Met (MU)	971	1004	881	405	49	3310
Hydro Gen (MU)	212	102	153	138	25	630
Wind Gen (MU)	20	23	13	-----	-----	57
Solar Gen (MU)*	29.97	20.47	71.63	1.66	0.04	124
Energy Shortage (MU)	12.6	0.0	0.0	0.0	0.8	13.5
Maximum Demand Met during the day (MW) & time (from NLDC SCADA)	45217 18:51	46533 18:54	39767 18:41	20750 19:42	2787 18:41	154660 18:54

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	0.032	0.00	0.15	5.94	6.09	76.44	17.48

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	6545	0	137.9	70.1	-1.2	62	0.0
	Haryana	7473	122	151.9	109.6	-1.5	227	0.2
	Rajasthan	8714	0	189.9	49.8	-4.7	204	0.0
	Delhi	4549	0	92.6	75.8	-0.8	128	0.0
	UP	15081	270	298.6	132.8	0.6	611	4.2
	Uttarakhand	1765	0	34.7	15.2	1.2	187	0.0
	HP	1393	9	26.4	7.6	0.7	140	0.1
	J&K	1994	498	34.6	23.8	-1.7	376	8.3
	Chandigarh	211	0	4.0	4.2	-0.2	15	0.0
WR	Chhattisgarh	3871	0	85.2	36.8	3.2	324	0.0
	Gujarat	13240	0	294.1	59.2	4.3	584	0.0
	MP	8176	0	161.1	74.8	-3.3	358	0.0
	Maharashtra	19065	0	421.8	178.5	-0.2	516	0.0
	Goa	541	0	12.2	11.4	0.3	130	0.0
	DD	317	0	6.2	6.0	0.2	48	0.0
	DNH	775	0	17.6	17.7	-0.1	51	0.0
	Essar steel	317	0	5.6	5.8	-0.2	322	0.0
	SR	Andhra Pradesh	7960	0	168.1	75.4	1.8	622
Telangana		8217	-3	173.2	38.5	-0.7	384	0.0
Karnataka		8390	0	163.5	41.3	0.5	931	0.0
Kerala		3481	0	69.9	43.8	1.6	182	0.0
Tamil Nadu		13863	0	298.4	140.4	2.8	1283	0.0
Pondy		395	-1	8.0	7.9	0.1	57	0.0
ER		Bihar	4612	0	82.3	84.8	-3.0	110
	DVC	2916	0	60.7	-4.4	2.6	321	0.0
	Jharkhand	1173	0	24.3	15.4	-1.0	57	0.0
	Odisha	4107	0	82.4	6.2	5.8	421	0.0
	West Bengal	8231	0	154.7	47.1	-1.8	227	0.0
	Sikkim	85	0	1.0	1.5	-0.5	5	0.0
NER	Arunachal Pradesh	128	3	2.1	2.3	-0.3	59	0.0
	Assam	1734	110	30.1	23.4	1.1	159	0.8
	Manipur	167	4	2.5	2.2	0.3	18	0.0
	Meghalaya	337	0	6.0	1.3	-0.3	44	0.0
	Mizoram	92	1	1.8	0.3	0.6	10	0.0
	Nagaland	118	3	2.0	2.2	-0.4	9	0.0
	Tripura	282	0	4.6	4.3	0.0	30	0.0

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

	Bhutan	Nepal	Bangladesh
Actual(MU)	43.4	-1.4	-23.9
Day peak (MW)	1803.2	-168.0	-1080.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	200.3	-193.1	63.3	-63.5	-7.1	0.0
Actual(MU)	191.5	-189.0	81.7	-73.3	-5.8	5.1
O/D/U/D(MU)	-8.9	4.1	18.4	-9.8	1.2	5.1

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	Total
Central Sector	4983	16825	8632	3780	347	34567
State Sector	9486	20284	8953	6150	77	44950
Total	14469	37109	17585	9930	424	79516

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Coal	455	911	417	362	8	2152
Lignite	15	13	48	0	0	76
Hydro	212	102	153	138	25	630
Nuclear	26	31	55	0	0	112
Gas, Naptha & Diesel	26	79	16	0	28	148
RES (Wind, Solar, Biomass & Others)	63	49	122	2	0	235
Total	796	1185	810	502	60	3353

Share of RES in total generation (%)	7.92	4.11	15.03	0.34	0.07	7.02
Share of Non-fossil fuel (Hydro, Nuclear and RES) in total generation (%)	37.77	15.36	40.63	27.88	41.29	29.13

H. Diversity Factor

All India Demand Diversity Factor	1.003
-----------------------------------	-------

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 :	4-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	227	278	0.0	1.0	-1.0	
2		SASARAM-FATEHPUR	S/C	146	198	0.0	1.2	-1.2	
3		GAYA-BALIA	S/C	0	229	0.0	3.5	-3.5	
4	HVDC	ALIPURDUAR-AGRA	-	0	1100	0.0	21.1	-21.1	
5		PUSAULI B/B	S/C	0	198	0.0	4.9	-4.9	
6	400 kV	PUSAULI-VARANASI	S/C	0	197	0.0	3.6	-3.6	
7		PUSAULI -ALLAHABAD	S/C	0	85	0.0	1.0	-1.0	
8		MUZAFFARPUR-GORAKHPUR	D/C	0	785	0.0	11.7	-11.7	
9		PATNA-BALIA	Q/C	0	775	0.0	13.2	-13.2	
10		BIHARSHARIFF-BALIA	D/C	22	192	0.0	2.5	-2.5	
11		MOTIHARI-GORAKHPUR	D/C	0	8	0.0	0.0	0.0	
12		BIHARSHARIFF-VARANASI	D/C	223	70	1.8	0.0	1.8	
13	220 kV	PUSAULI-SAHUPURI	S/C	0	134	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	10	0.0	0.0	0.0	
17		KARMANASA-CHANDAULI	S/C	0	22	0.0	0.0	0.0	
						ER-NR	2.1	65.9	-63.7
Import/Export of ER (With WR)									
18	765 kV	JHARSUGUDA-DHARAMJAIGARH	Q/C	1532	0	24.9	0.0	24.9	
19		NEW RANCHI-DHARAMJAIGARH	D/C	663	176	7.4	0.0	7.4	
20		JHARSUGUDA-DURG	D/C	186	68	1.4	0.0	1.4	
21	400 kV	JHARSUGUDA-RAIGARH	Q/C	134	217	0.0	0.8	-0.8	
22		RANCHI-SIPAT	D/C	220	70	2.5	0.0	2.5	
23	220 kV	BUDHIPADAR-RAIGARH	S/C	0	77	0.0	1.2	-1.2	
24		BUDHIPADAR-KORBA	D/C	62	20	0.5	0.0	0.5	
						ER-WR	36.5	1.9	34.6
Import/Export of ER (With SR)									
25	765 kV	ANGUL-SRIKAKULAM	D/C	0.0	2210.0	0.0	42.4	-42.4	
26	HVDC	JEYPORE-GAZUWAKA B/B	D/C	455.0	0.0	9.5	0.0	9.5	
27	LINK	TALCHER-KOLAR BIPOLE	D/C	0.0	1486.0	0.0	32.2	-32.2	
28	400 kV	TALCHER-I/C	D/C	198.0	741.0	0.0	7.5	-7.5	
29	220 kV	BALIMELA-UPPER-SILERRU	S/C	1.0	0.0	0.0	0.0	0.0	
						ER-SR	9.5	74.6	-65.1
Import/Export of ER (With NER)									
30	400 kV	BINAGURI-BONGAIGAON	D/C	0	453	0.0	5.3	-5	
31		ALIPURDUAR-BONGAIGAON	D/C	90	228	0.0	0.9	-1	
32	220 kV	ALIPURDUAR-SALAKATI	D/C	0	106	0.0	1.3	-1	
						ER-NER	0.0	7.5	-7.5
Import/Export of NER (With NR)									
33	HVDC	BISWANATH CHARIALI-AGRA	-	0	703	0.0	14.7	-14.7	
						NER-NR	0.0	14.7	-14.7
Import/Export of WR (With NR)									
34	HVDC	CHAMPA-KURUKSHETRA	D/C	0	303	0.0	7.1	-7.1	
35		V'CHAL B/B	D/C	449	0	5.1	0.0	5.1	
36		APL -MHG	D/C	0	1177	0.0	29.2	-29.2	
37	765 kV	GWALIOR-AGRA	D/C	0	1975	0.0	33.7	-33.7	
38		PHAGI-GWALIOR	D/C	0	910	0.0	15.6	-15.6	
39		JABALPUR-ORAI	D/C	0	611	0.0	21.7	-21.7	
40		GWALIOR-ORAI	S/C	357	0	6.0	0.0	6.0	
41		SATNA-ORAI	S/C	0	1276	0.0	28.0	-28.0	
42		CHITTORGARH-BANASKANTHA	D/C	0	822	0.0	9.6	-9.6	
43		ZERDA-KANKROLI	S/C	90	128	0.4	0.6	-0.2	
44	400 kV	ZERDA -BHINMAL	S/C	279	231	1.2	0.6	0.6	
45		V'CHAL -RIHAND	S/C	971	0	22.6	0.0	22.6	
46		RAPP-SHUJALPUR	D/C	129	289	0	1	-1	
47	220 kV	BHANPURA-RANPUR	S/C	32	52	0.1	0.3	-0.2	
48		BHANPURA-MORAK	S/C	2	72	0.0	0.9	-0.9	
49		MEHGAON-AURAIYA	S/C	77	0	1.0	0.0	1.0	
50		MALANPUR-AURAIYA	S/C	42	5	0.3	0.0	0.3	
51	132kV	GWALIOR-SAWAI MADHOPUR	S/C	0	0	0.0	0.0	0.0	
						WR-NR	36.5	148.6	-112.1
Import/Export of WR (With SR)									
52	HVDC	BHADRAWATI B/B	-	0	613	0.0	7.7	-7.7	
53	LINK	BARSUR-L.SILERU	-	0	0	0.0	0.0	0.0	
54	765 kV	SOLAPUR-RAICHUR	D/C	160	1440	0.0	14.0	-14.0	
55		WARDHA-NIZAMABAD	D/C	0	1929	0.0	32.7	-32.7	
56	400 kV	KOLHAPUR-KUDGI	D/C	752	0	13.3	0.0	13.3	
57	220 kV	KOLHAPUR-CHIKODI	D/C	0	0	0.0	0.0	0.0	
58		PONDA-AMBEWADI	S/C	0	64	0.0	1.3	-1.3	
59		XELDEM-AMBEWADI	S/C	0	37	0.7	0.0	0.7	
						WR-SR	14.0	55.6	-41.6
TRANSNATIONAL EXCHANGE									
60		BHUTAN						43.4	
61		NEPAL						-1.4	
62		BANGLADESH						-23.9	