



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: 7th Oct 2020

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 06.10.2020.

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 06-अक्टूबर-2020 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 October 2020, 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: 07-Oct-2020

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)	50531	49763	40123	22318	2766	165501
Peak Shortage (MW)	423	0	0	0	187	610
Energy Met (MU)	1143	1157	954	452	51	3758
Hydro Gen (MU)	204	52	133	144	26	558
Wind Gen (MU)	7	29	69	-	-	105
Solar Gen (MU)*	41.60	29.89	102.14	4.15	0.08	178
Energy Shortage (MU)	0.2	0.0	0.0	0.0	4.7	4.9
Maximum Demand Met During the Day (MW) (From NLDC SCADA)	51623	49940	43706	22366	2801	166825
Time Of Maximum Demand Met (From NLDC SCADA)	19:19	18:52	14:48	18:57	18:41	18:53

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	0.029	0.00	0.38	4.36	4.74	77.86	17.39

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	8504	0	185.0	106.6	-1.8	112	0.0
	Haryana	7730	45	169.4	132.1	1.8	262	0.2
	Rajasthan	11447	0	245.4	77.3	0.1	323	0.0
	Delhi	4147	0	89.1	78.2	-1.2	118	0.0
	UP	18841	0	335.4	140.6	-1.1	426	0.0
	Uttarakhand	1891	0	38.1	21.7	0.2	152	0.0
	HP	1405	0	29.9	12.3	0.8	148	0.0
	J&K(UT) & Ladakh(UT)	2397	0	47.0	30.2	1.8	383	0.0
	Chandigarh	210	0	4.1	4.2	-0.1	20	0.0
WR	Chhattisgarh	3411	0	81.7	26.1	-0.6	157	0.0
	Gujarat	16361	0	364.6	74.9	2.2	557	0.0
	MP	9767	0	219.0	142.2	-0.5	381	0.0
	Maharashtra	20003	0	438.1	140.9	-1.1	740	0.0
	Goa	469	0	9.7	9.3	-0.2	51	0.0
	DD	334	0	7.4	7.3	0.2	56	0.0
	DNH	795	0	18.4	18.4	0.0	34	0.0
	AMNSIL	791	0	18.1	1.2	0.6	241	0.0
	SR	Andhra Pradesh	8176	0	173.4	69.2	2.4	1023
Telangana		9791	0	199.5	61.6	-0.2	522	0.0
Karnataka		9115	0	176.3	61.5	1.8	779	0.0
Kerala		3528	0	69.9	46.0	0.3	184	0.0
Tamil Nadu		14415	0	327.2	189.2	-1.1	565	0.0
Puducherry		391	0	8.0	7.9	0.1	58	0.0
ER	Bihar	5550	0	109.2	103.4	-0.2	400	0.0
	DVC	3147	0	64.0	-48.6	0.6	347	0.0
	Jharkhand	1478	0	29.1	21.3	-0.9	145	0.0
	Odisha	4459	0	89.4	11.2	-0.6	300	0.0
	West Bengal	8049	0	159.5	44.1	-2.3	441	0.0
	Sikkim	92	0	1.2	1.3	-0.1	20	0.0
NER	Arunachal Pradesh	103	1	2.0	2.2	-0.2	8	0.0
	Assam	1761	165	31.5	28.4	0.1	157	4.7
	Manipur	204	1	2.9	2.6	0.3	33	0.0
	Meghalaya	329	0	6.0	1.0	-0.3	24	0.0
	Mizoram	98	1	1.6	1.1	0.2	47	0.0
	Nagaland	135	1	2.5	2.3	0.0	12	0.0
Tripura	273	1	4.7	6.4	0.1	39	0.0	

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

	Bhutan	Nepal	Bangladesh
Actual (MU)	49.3	-2.3	-25.4
Day Peak (MW)	2123.0	-263.0	-1093.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	301.7	-285.0	123.0	-138.5	-1.2	0.0
Actual(MU)	301.9	-285.7	130.2	-151.2	-2.5	-7.3
O/D/U/D(MU)	0.2	-0.7	7.2	-12.7	-1.3	-7.3

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	TOTAL
Central Sector	5316	15472	10502	2170	525	33985
State Sector	9459	16384	13956	5457	112	45368
Total	14775	31856	24458	7627	637	79353

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Coal	523	1232	391	487	7	2641
Lignite	26	11	25	0	0	61
Hydro	204	52	133	144	26	558
Nuclear	27	21	69	0	0	116
Gas, Naptha & Diesel	23	88	14	0	26	151
RES (Wind, Solar, Biomass & Others)	60	59	201	4	0	324
Total	862	1463	833	635	59	3851
Share of RES in total generation (%)	6.91	4.05	24.10	0.65	0.14	8.40
Share of Non-fossil fuel (Hydro,Nuclear and RES) in total generation(%)	33.66	8.98	48.36	23.30	43.72	25.91

H. All India Demand Diversity Factor

Based on Regional Max Demands	1.022
Based on State Max Demands	1.077

Diversity factor = Sum of regional or state maximum demands / All India maximum demand

*Source: RLDCs for solar connected to ISTS; SLDCs for embedded solar. Limited visibility of embedded solar data.

Executive Director-NLDC

INTER-REGIONAL EXCHANGES

Import=(+ve) /Export =(-ve) for NET (MU)
Date of Reporting: 07-Oct-2020

Sl No	Voltage Level	Line Details	No. of Circuit	Max Import (MW)	Max Export (MW)	Import (MU)	Export (MU)	NET (MU)	
Import/Export of ER (With NR)									
1	HVDC	ALIPURDUAR-AGRA	2	0	1001	0.0	24.3	-24.3	
2	HVDC	PUSAULI B/B	-	0	297	0.0	7.4	-7.4	
3	765 kV	GAYA-VARANASI	2	0	723	0.0	12.7	-12.7	
4	765 kV	SASARAM-FATEHPUR	1	48	301	0.0	3.6	-3.6	
5	765 kV	GAYA-BALIA	1	0	406	0.0	7.4	-7.4	
6	400 kV	PUSAULI-VARANASI	1	0	229	0.0	4.4	-4.4	
7	400 kV	PUSAULI-ALLAHABAD	1	0	151	0.0	2.5	-2.5	
8	400 kV	MUZAFFARPUR-GORAKHPUR	2	0	695	0.0	12.4	-12.4	
9	400 kV	PATNA-BALIA	4	0	855	0.0	17.3	-17.3	
10	400 kV	BIHARSHARIFF-BALIA	2	0	337	0.0	4.8	-4.8	
11	400 kV	MOTIHARI-GORAKHPUR	2	0	301	0.0	5.2	-5.2	
12	400 kV	BIHARSHARIFF-VARANASI	2	52	289	0.0	3.4	-3.4	
13	220 kV	PUSAULI-SAHUPURI	1	115	59	0.0	0.2	-0.2	
14	132 kV	SONE NAGAR-RIHAND	1	0	0	0.0	0.0	0.0	
15	132 kV	GARWAH-RIHAND	1	20	0	0.4	0.0	0.4	
16	132 kV	KARMANASA-SAHUPURI	1	0	0	0.0	0.0	0.0	
17	132 kV	KARMANASA-CHANDAULI	1	0	0	0.0	0.0	0.0	
						ER-NR	0.4	105.6	-105.2
Import/Export of ER (With WR)									
1	765 kV	JHARSUGUDA-DHARAMJAIGARH	4	819	0	7.5	0.0	7.5	
2	765 kV	NEW RANCHI-DHARAMJAIGARH	2	798	212	7.1	0.0	7.1	
3	765 kV	JHARSUGUDA-DURG	2	124	306	0.0	2.0	-2.0	
4	400 kV	JHARSUGUDA-RAIGARH	4	2223	162	1.6	0.0	1.6	
5	400 kV	RANCHI-SIPAT	2	220	107	2.3	0.0	2.3	
6	220 kV	BUDHIPADAR-RAIGARH	1	0	135	0.0	2.2	-2.2	
7	220 kV	BUDHIPADAR-KORBA	2	130	5	1.6	0.0	1.6	
						ER-WR	20.1	4.2	15.9
Import/Export of ER (With SR)									
1	HVDC	JEYPORE-GAZUWAKA B/B	2	0	432	0.0	9.0	-9.0	
2	HVDC	TALCHER-KOLAR BIPOLE	2	0	1987	0.0	39.0	-39.0	
3	765 kV	ANGUL-SRIKAKULAM	2	0	2681	0.0	51.0	-51.0	
4	400 kV	TALCHER-I/C	2	502	376	2.7	0.0	2.7	
5	220 kV	BALIMELA-UPPER-SILERRU	1	1	0	0.0	0.0	0.0	
						ER-SR	0.0	98.9	-98.9
Import/Export of ER (With NER)									
1	400 kV	BINAGURI-BONGAIGAON	2	0	445	0.0	4.6	-4.6	
2	400 kV	ALIPURDUAR-BONGAIGAON	2	53	411	0.0	3.3	-3.3	
3	220 kV	ALIPURDUAR-SALAKATI	2	0	120	0.0	1.6	-1.6	
						ER-NER	0.0	9.5	-9.5
Import/Export of NER (With NR)									
1	HVDC	BISWANATH CHARIALI-AGRA	2	0	606	0.0	14.4	-14.4	
						NER-NR	0.0	14.4	-14.4
Import/Export of WR (With NR)									
1	HVDC	CHAMPA-KURUKSHETRA	2	0	751	0.0	31.7	-31.7	
2	HVDC	VINDHYACHAL B/B	-	93	0	2.5	0.0	2.5	
3	HVDC	MUNDRA-MOHINDERGARH	2	0	1456	0.0	34.3	-34.3	
4	765 kV	GWALIOR-AGRA	2	0	2462	0.0	42.5	-42.5	
5	765 kV	PHAGI-GWALIOR	2	0	1570	0.0	28.8	-28.8	
6	765 kV	JABALPUR-ORAI	2	0	1071	0.0	39.9	-39.9	
7	765 kV	GWALIOR-ORAI	1	526	0	8.8	0.0	8.8	
8	765 kV	SATNA-ORAI	1	0	1554	0.0	31.7	-31.7	
9	765 kV	CHITORGARH-BANASKANTHA	2	44	648	0.0	7.4	-7.4	
10	400 kV	ZERDA-KANKROLI	1	39	106	0.0	0.7	-0.7	
11	400 kV	ZERDA -BHINMAL	1	21	141	0.0	1.8	-1.8	
12	400 kV	VINDHYACHAL -RIHAND	1	976	0	22.4	0.0	22.4	
13	400 kV	RAPP-SHULPUR	2	0	435	0.0	6.9	-6.9	
14	220 kV	BHANPURA-RANPUR	1	0	148	0.0	2.3	-2.3	
15	220 kV	BHANPURA-MORAK	1	11	0	0.0	2.1	-2.1	
16	220 kV	MEHGAON-AURAIYA	1	124	0	0.5	0.0	0.5	
17	220 kV	MALANPUR-AURAIYA	1	74	11	1.6	0.0	1.6	
18	132 kV	GWALIOR-SAWAI MADHOPUR	1	0	0	0.0	0.0	0.0	
19	132 kV	RAIGHAT-LALITPUR	2	0	0	0.0	0.0	0.0	
						WR-NR	35.8	230.1	-194.3
Import/Export of WR (With SR)									
1	HVDC	BHADRAWATI B/B	-	0	1023	0.0	20.1	-20.1	
2	HVDC	RAIGARH-PUGALUR	2	0	797	0.0	15.8	-15.8	
3	765 kV	SOLAPUR-RAICHUR	2	622	1986	0.0	20.0	-20.0	
4	765 kV	WARDHA-NIZAMABAD	2	0	1933	0.0	27.8	-27.8	
5	400 kV	KOLHAPUR-KUDGI	2	607	0	7.4	0.0	7.4	
6	220 kV	KOLHAPUR-CHIKODI	2	0	0	0.0	0.0	0.0	
7	220 kV	PONDA-AMBEWADI	1	0	0	0.0	0.0	0.0	
8	220 kV	XELDEM-AMBEWADI	1	0	81	1.5	0.0	1.5	
						WR-SR	8.9	83.6	-74.7

INTERNATIONAL EXCHANGES

State	Region	Line Name	Max (MW)	Min (MW)	Avg (MW)	Energy Exchange (MU)
BHUTAN	ER	400kV MANGDECHHU-ALIPURDUAR 1&2 i.e. ALIPURDUAR RECEIPT (from MANGDECHHU HEP 4*180MW)	586	0	575	13.8
	ER	400kV TALA-BINAGURI 1,2,4 (& 400kV MALBASE - BINAGURI) i.e. BINAGURI RECEIPT (from TALA HEP (6*170MW))	1317	1006	1010	24.3
	ER	220kV CHUKHA-BIRPARA 1&2 (& 220kV MALBASE - BIRPARA) i.e. BIRPARA RECEIPT (from CHUKHA HEP 4*84MW)	338	332	338	8.8
	NER	132KV-GEYLEGPHU - SALAKATI	-62	-41	-52	-1.2
	NER	132kV Motanga-Rangia	-56	-43	-49	-1.2
NEPAL	NR	132KV-TANAKPUR(NH) - MAHENDRANAGAR(PG)	-57	0	-20	-0.5
	ER	132KV-BIHAR - NEPAL	-66	-1	-16	-0.4
	ER	220KV-MUZAFFARPUR - DHALKEBAR DC	-140	-10	-59	-1.4
BANGLADESH	ER	BHERAMARA HVDC(BANGLADESH)	-941	0	-924	-22.2
	NER	132KV-SURAJMANI NAGAR - COMILLA(BANGLADESH)-1	76	0	-68	-1.6
	NER	132KV-SURAJMANI NAGAR - COMILLA(BANGLADESH)-2	76	0	-67	-1.6