



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: 28th 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 27.10.2020.

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 27-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 27th 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: 28-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 19:00 hrs; from RLDCs)	46193	50162	38582	18477	2671	156085
Peak Shortage (MW)	370	0	60	0	7	437
Energy Met (MU)	969	1156	867	368	46	3406
Hydro Gen (MU)	134	26	132	94	24	409
Wind Gen (MU)	3	31	13	-	-	47
Solar Gen (MU)*	35.53	29.37	97.34	4.73	0.09	167
Energy Shortage (MU)	0.9	0.2	0.1	0.0	0.0	1.2
Maximum Demand Met During the Day (MW) (From NLDC SCADA)	46567	51811	39813	18718	2784	156968
Time Of Maximum Demand Met (From NLDC SCADA)	09:53	11:22	12:27	18:22	17:34	18:26

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	0.41	6.42	6.83	78.51	14.66

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	5833	0	118.8	82.7	-0.8	100	0.0
	Haryana	6231	0	136.5	126.2	-0.3	277	0.0
	Rajasthan	12100	0	241.4	93.5	2.3	275	0.0
	Delhi	3515	0	68.2	51.5	-0.1	147	0.0
	UP	15078	370	289.2	122.7	0.5	564	0.9
	Uttarakhand	1806	0	35.2	26.1	-0.2	85	0.0
	HP	1499	0	29.1	19.0	0.4	96	0.0
	J&K(UT) & Ladakh(UT)	2525	0	47.6	37.5	1.3	346	0.0
	Chandigarh	182	0	3.1	3.2	-0.1	8	0.0
	Chhattisgarh	3548	0	77.0	27.1	-1.7	299	0.0
WR	Gujarat	15906	0	351.2	75.0	1.8	485	0.0
	MP	11957	0	252.5	153.0	-1.9	523	0.0
	Maharashtra	19311	0	424.0	131.2	-2.6	407	0.0
	Goa	487	0	9.4	9.5	-0.7	53	0.2
	DD	344	0	7.5	7.4	0.1	32	0.0
	DNH	776	0	17.9	18.0	-0.1	35	0.0
	AMNSIL	777	0	16.8	2.1	0.0	239	0.0
	Andhra Pradesh	8097	0	171.3	76.8	-0.7	403	0.0
SR	Telangana	7470	0	153.4	48.8	-1.4	402	0.0
	Karnataka	7788	0	152.8	51.3	-0.8	368	0.0
	Kerala	3382	60	70.5	45.8	0.0	218	0.1
	Tamil Nadu	14563	0	311.0	187.4	1.4	622	0.0
	Puducherry	375	0	7.6	7.9	-0.3	23	0.0
	Bihar	4604	0	80.4	77.9	-1.5	495	0.0
	DVC	3745	0	61.1	-44.7	-0.2	273	0.0
ER	Jharkhand	1345	0	25.5	19.7	-2.2	85	0.0
	Odisha	4118	0	79.8	11.9	-1.8	266	0.0
	West Bengal	6415	0	120.8	30.4	0.0	443	0.0
	Sikkim	71	0	0.9	1.1	-0.3	20	0.0
	Arunachal Pradesh	114	1	2.2	2.1	0.2	32	0.0
NER	Assam	1655	6	26.9	23.2	0.4	132	0.0
	Manipur	204	2	2.6	2.6	0.1	21	0.0
	Meghalaya	329	0	5.8	-0.9	0.0	36	0.0
	Mizoram	102	2	1.6	0.7	0.6	29	0.0
	Nagaland	139	1	2.3	2.2	-0.1	12	0.0
	Tripura	274	2	4.7	4.4	0.0	42	0.0

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

	Bhutan	Nepal	Bangladesh
Actual (MU)	31.8	-0.1	-25.8
Day Peak (MW)	1539.0	-32.0	-1111.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	308.6	-283.3	110.9	-128.3	-7.9	0.0
Actual(MU)	306.5	-276.0	118.1	-153.2	-6.5	-11.2
O/D/U/D(MU)	-2.1	7.3	7.2	-24.9	1.4	-11.2

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	TOTAL
Central Sector	6210	15405	11542	1970	660	35787
State Sector	14679	14392	13128	6605	11	48815
Total	20889	29797	24670	8575	671	84601

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Coal	425	1244	373	456	7	2504
Lignite	0	0	0	0	0	0
Hydro	134	26	132	94	24	409
Nuclear	28	21	69	0	0	117
Gas, Naptha & Diesel	24	86	16	0	28	155
RES (Wind, Solar, Biomass & Others)	49	61	143	5	0	258
Total	679	1448	758	554	59	3497

Share of RES in total generation (%)	7.22	4.24	18.88	0.86	0.15	7.39
Share of Non-fossil fuel (Hydro,Nuclear and RES) in total generation(%)	31.00	7.45	45.44	17.77	40.46	22.44

H. All India Demand Diversity Factor

Based on Regional Max Demands	1.017
Based on State Max Demands	1.062

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: 28-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	701	0.0	15.6	-15.6
2	HVDC	PUSAULI B/B	-	0	297	0.0	7.2	-7.2
3	765 kV	GAYA-VARANASI	2	0	918	0.0	13.8	-13.8
4	765 kV	SASARAM-FATEHPUR	1	0	418	0.0	5.1	-5.1
5	765 kV	GAYA-BALIA	1	0	541	0.0	9.5	-9.5
6	400 kV	PUSAULI-VARANASI	1	0	214	0.0	4.0	-4.0
7	400 kV	PUSAULI-ALLAHABAD	1	0	178	0.0	3.0	-3.0
8	400 kV	MUZAFFARPUR-GORAKHPUR	2	0	954	0.0	13.6	-13.6
9	400 kV	PATNA-BALIA	4	0	1123	0.0	19.5	-19.5
10	400 kV	BIHARSHARIFF-BALIA	2	0	512	0.0	7.4	-7.4
11	400 kV	MOTIHARI-GORAKHPUR	2	0	233	0.0	5.3	-5.3
12	400 kV	BIHARSHARIFF-VARANASI	2	26	316	0.0	3.2	-3.2
13	220 kV	PUSAULI-SAHUPURI	1	0	125	0.0	1.8	-1.8
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	109.8	-109.4
Import/Export of ER (With WR)								
1	765 kV	JHARSUGUDA-DHARAMJAIGARH	4	912	484	3.0	0.0	3.0
2	765 kV	NEW RANCHI-DHARAMJAIGARH	2	666	16551	3.1	0.0	3.1
3	765 kV	JHARSUGUDA-DURG	2	0	201	0.0	2.3	-2.3
4	400 kV	JHARSUGUDA-RAIGARH	4	83	323	0.0	2.9	-2.9
5	400 kV	RANCHI-SIPAT	2	221	161	0.6	0.0	0.6
6	220 kV	BUDHIPADAR-RAIGARH	1	0	157	0.0	2.5	-2.5
7	220 kV	BUDHIPADAR-KORBA	2	102	14	1.1	0.0	1.1
						ER-WR	7.8	0.1
Import/Export of ER (With SR)								
1	HVDC	JEYPORE-GAZUWAKA B/B	2	0	531	0.0	9.4	-9.4
2	HVDC	TALCHER-KOLAR BIPOLE	2	0	1252	0.0	24.9	-24.9
3	765 kV	ANGUL-SRIKAKULAM	2	0	3285	0.0	54.1	-54.1
4	400 kV	TALCHER-I/C	2	902	0	19.2	0.0	19.2
5	220 kV	BALMELA-UPPER-SILERRU	1	1	0	0.0	0.0	0.0
						ER-SR	88.3	-88.3
Import/Export of ER (With NER)								
1	400 kV	BINAGURI-BONGAIGAON	2	11	387	0.0	2.3	-2.3
2	400 kV	ALIPURDUAR-BONGAIGAON	2	103	461	0.0	1.2	-1.2
3	220 kV	ALIPURDUAR-SALAKATI	2	0	119	0.0	1.2	-1.2
						ER-NER	4.7	-4.7
Import/Export of NER (With NR)								
1	HVDC	BISWANATH CHARIALI-AGRA	2	0	703	0.0	13.2	-13.2
						NER-NR	13.2	-13.2
Import/Export of WR (With NR)								
1	HVDC	CHAMPA-KURUKSHETRA	2	0	3014	0.0	38.5	-38.5
2	HVDC	VINDHYACHAL B/B	-	444	302	2.9	1.5	1.4
3	HVDC	MUNDA-MOHINDERGARH	2	0	1922	0.0	40.3	-40.3
4	765 kV	GWALIOR-AGRA	2	0	2789	0.0	44.5	-44.5
5	765 kV	PHAGI-GWALIOR	2	0	1726	0.0	27.0	-27.0
6	765 kV	JABALPUR-ORAI	2	0	1135	0.0	35.4	-35.4
7	765 kV	GWALIOR-ORAI	1	755	0	12.0	0.0	12.0
8	765 kV	SATNA-ORAI	1	0	1472	0.0	29.8	-29.8
9	765 kV	CHITORGARH-BANASKANTHA	2	136	1087	0.0	9.5	-9.5
10	400 kV	ZERDA-KANKROLI	1	63	185	0.0	0.9	-0.9
11	400 kV	ZERDA-BHINMAL	1	0	403	0.0	4.1	-4.1
12	400 kV	VINDHYACHAL-RIHAND	1	978	0	22.5	0.0	22.5
13	400 kV	RAPP-SHUALPUR	2	0	486	0.0	5.2	-5.2
14	220 kV	BHANPURA-RANPUR	1	6	102	0.0	1.0	-1.0
15	220 kV	BHANPURA-MORAK	1	11	0	0.3	0.3	0.0
16	220 kV	MEHGAON-AURAIYA	1	197	0	0.5	0.0	0.6
17	220 kV	MALANPUR-AURAIYA	1	68	15	1.3	0.0	1.3
18	132 kV	GWALIOR-SAWAI MADHOPUR	1	0	0	0.0	0.0	0.0
19	132 kV	RAJGHAT-LALITPUR	2	0	0	0.0	0.0	0.0
						WR-NR	39.6	-198.3
Import/Export of WR (With SR)								
1	HVDC	BHADRAWATI B/B	-	0	522	0.0	12.3	-12.3
2	HVDC	RAIGARH-PUGALUR	2	0	1489	0.0	17.8	-17.8
3	765 kV	SOLAPUR-RAICHUR	2	567	2721	0.0	26.6	-26.6
4	765 kV	WARDHA-NIZAMABAD	2	60	2246	0.0	25.7	-25.7
5	400 kV	KOLHAPUR-KUDGI	2	788	63	6.1	0.0	6.0
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	1	46	0.7	0.0	0.7
						WR-SR	82.4	-75.6
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)	416	0	327	7.8		
	ER	400KV TALA-BINAGURI 1,2,3 (& 400KV MALBASE - BINAGURI) i.e. BINAGURI RECEIPT (from TALA HEP (6*170MW))	900	0	698	16.8		
	ER	220KV CHUKHA-BIRPARA 1&2 (& 220KV MALBASE - BIRPARA) i.e. BIRPARA RECEIPT (from CHUKHA HEP 4*84MW)	326	0	215	5.2		
	NER	132KV-GEYLEGPHU - SALAKATI	-49	-20	-33	-0.8		
	NER	132KV Motanga-Rangia	-55	-43	-51	-1.2		
NEPAL	NR	132KV-TANAKPUR(NH) - MAHENDRANAGAR(PG)	0	0	0	0.0		
	ER	132KV-BIHAR - NEPAL	-48	1	-1	0.0		
BANGLADESH	ER	220KV-MUZAFFARPUR - DHALKEBAR DC	16	-32	6	0.1		
	ER	BHERAMARA HVDC(BANGLADESH)	-945	-913	-942	-22.6		
	NER	132KV-SURAJMANI NAGAR - COMILLA(BANGLADESH)-1	83	0	-66	-1.6		
	NER	132KV-SURAJMANI NAGAR - COMILLA(BANGLADESH)-2	83	0	-66	-1.6		