National Load Despatch Centre
राष्ट्रीय भार प्रेषण केंद्र
POWER SYSTEM OPERATION CORPORATION LIMITED
पॉवर 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: 27th 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., डोंगतिएह, 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 26.10.2020.

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 26-अक्टूबर-2020 की अखिल भारतीय प्रणाली की दैनिक ग्रिड निष्पादन रिपोर्ट रा०भा०प्रे०के० की वेबसाइट पर उप्लब्ध 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 26th 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:** **27-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)	46513	48659	35872	17231	2436	150711
Peak Shortage (MW)	0	0	0	0	12	12
Energy Met (MU)	952	1129	806	370	43	3299
Hydro Gen (MU)	133	23	118	96	25	395
Wind Gen (MU)	6	29	14	-	-	49
Solar Gen (MU)*	33.45	29.62	90.73	4.75	0.10	159
Energy Shortage (MU)	0.1	0.0	0.0	0.0	0.1	0.1
Maximum Demand Met During the Day (MW) (From NLDC SCADA)	47262	50670	36272	17749	2550	152720
Time Of Maximum Demand Met (From NLDC SCADA)	18:48	11:25	11:57	18:20	17:33	18:38

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	0.020	0.00	0.00	0.51	0.51	80.29	19.20

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	5658	0	113.5	77.3	-0.8	208	0.0
	Haryana	6295	0	130.7	119.7	0.5	189	0.0
	Rajasthan	12018	0	238.1	89.2	1.0	445	0.0
	Delhi	3570	0	70.1	51.9	0.3	189	0.0
	UP	15691	0	290.6	120.3	0.8	511	0.0
	Uttarakhand	1753	0	33.8	23.3	1.1	154	0.0
	HP	1503	0	28.0	17.3	0.5	222	0.0
	J&K(UT) & Ladakh(UT)	2258	0	44.7	35.5	0.3	268	0.0
	Chandigarh	180	0	3.1	3.1	0.0	33	0.0
WR	Chhattisgarh	3466	0	77.8	27.0	-0.5	316	0.0
	Gujarat	16019	0	347.0	76.2	1.3	360	0.0
	MP	11813	0	247.7	147.8	-4.2	393	0.0
	Maharashtra	18940	0	407.3	122.5	-1.5	488	0.0
	Goa	527	0	9.2	8.9	-0.3	116	0.0
	DD	335	0	6.4	6.4	0.0	34	0.0
	DNH	773	0	16.5	17.0	-0.5	43	0.0
	AMNSIL	781	0	17.2	1.2	0.5	240	0.0
SR	Andhra Pradesh	7558	0	165.1	70.9	-0.3	347	0.0
	Telangana	6985	0	143.8	39.6	1.5	715	0.0
	Karnataka	6902	0	136.0	48.5	0.7	516	0.0
	Kerala	3404	0	67.9	42.6	0.9	300	0.0
	Tamil Nadu	13418	0	285.5	177.3	1.0	586	0.0
	Puducherry	366	0	7.2	7.6	-0.5	35	0.0
ER	Bihar	4506	0	81.8	82.1	-4.0	447	0.0
	DVC	2724	0	57.9	-43.8	0.7	283	0.0
	Jharkhand	1368	0	24.3	20.5	-3.1	39	0.0
	Odisha	3898	0	85.2	14.9	0.3	423	0.0
	West Bengal	6020	0	120.3	32.0	0.1	439	0.0
	Sikkim	56	0	0.7	1.5	-0.8	3	0.0
NER	Arunachal Pradesh	114	1	2.1	2.0	0.1	28	0.0
	Assam	1468	5	23.6	20.1	0.0	169	0.0
	Manipur	208	1	2.6	2.5	0.1	31	0.0
	Meghalaya	317	0	5.9	-0.9	0.1	24	0.0
	Mizoram	99	1	1.5	0.7	0.6	18	0.0
	Nagaland	130	2	2.3	2.1	0.0	9	0.0
	Tripura	269	1	4.6	4.2	-0.4	36	0.0

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

	Bhutan	Nepal	Bangladesh
Actual (MU)	34.5	-0.3	-25.2
Day Peak (MW)	1742.0	-50.0	-1075.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	287.0	-260.7	96.2	-112.5	-10.0	0.0
Actual(MU)	292.0	-257.0	101.7	-133.1	-10.7	-7.2
O/D/U/D(MU)	5.0	3.7	5.5	-20.7	-0.7	-7.2

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	TOTAL
Central Sector	6270	15905	10442	1700	660	34977
State Sector	14699	13932	14228	6805	11	49675
Total	20969	29837	24670	8505	671	84651

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Coal	424	1199	346	447	4	2420
Lignite	18	9	21	0	0	48
Hydro	133	23	118	96	25	395
Nuclear	28	21	69	0	0	118
Gas, Naptha & Diesel	23	90	16	0	29	158
RES (Wind, Solar, Biomass & Others)	51	59	145	5	0	259
Total	676	1401	715	547	58	3398
Share of RES in total generation (%)	7.49	4.19	20.24	0.87	0.17	7.62
Share of Non-fossil fuel (Hydro,Nuclear and RES) in total generation(%)	31.27	7.32	46.39	18.32	43.80	22.71

H. All India Demand Diversity Factor

Based on Regional Max Demands	1.012
Based on State Max Demands	1.057

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: 27-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	16.2	-16.2
2	HVDC	PUSAULI B/B	-	0	297	0.0	7.2	-7.2
3	765 kV	GAYA-VARANASI	2	0	817	0.0	12.3	-12.3
4	765 kV	SASARAM-FATEHPUR	1	6	401	0.0	3.5	-3.5
5	765 kV	GAYA-BALIA	1	0	570	0.0	9.3	-9.3
6	400 kV	PUSAULI-VARANASI	1	0	217	0.0	4.3	-4.3
7	400 kV	PUSAULI -ALLAHABAD	1	0	166	0.0	2.8	-2.8
8	400 kV	MUZAFFARPUR-GORAKHPUR	2	0	792	0.0	11.7	-11.7
9	400 kV	PATNA-BALIA	4	0	1181	0.0	18.7	-18.7
10	400 kV	BIHARSHARIFF-BALIA	2	0	484	0.0	7.2	-7.2
11	400 kV	MOTIHARI-GORAKHPUR	2	0	234	0.0	4.9	-4.9
12	400 kV	BIHARSHARIFF-VARANASI	2	80	324	0.0	2.4	-2.4
13	220 kV	PUSAULI-SAHUPURI	1	0	93	0.0	1.6	-1.6
14	132 kV	SONE NAGAR-RIHAND	1	0	0	0.0	0.0	0.0
15	132 kV	GARWAH-RIHAND	1	20	0	0.5	0.0	0.5
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	0.5	102.3	-101.8
Import/Export of ER (With WR)								
1	765 kV	JHARSUGUDA-DHARAMJAIGARH	4	760	637	2.4	0.0	2.4
2	765 kV	NEW RANCHI-DHARAMJAIGARH	2	829	525	6.3	0.0	6.3
3	765 kV	JHARSUGUDA-DURG	2	6	254	0.0	2.0	-2.0
4	400 kV	JHARSUGUDA-RAIGARH	4	70	247	0.0	1.8	-1.8
5	400 kV	RANCHI-SIPAT	2	264	192	2.5	0.0	2.5
6	220 kV	BUDHIPADAR-RAIGARH	1	0	167	0.0	2.6	-2.6
7	220 kV	BUDHIPADAR-KORBA	2	75	32	0.7	0.0	0.7
					ER-WR	11.9	6.4	5.5
Import/Export of ER (With SR)								
1	HVDC	JEYPORE-GAZUWAKA B/B	2	0	372	0.0	8.6	-8.6
2	HVDC	TALCHER-KOLAR BIPOLE	2	0	994	0.0	24.1	-24.1
3	765 kV	ANGUL-SRIKAKULAM	2	0	3073	0.0	49.6	-49.6
4	400 kV	TALCHER-I/C	2	905	0	20.4	0.0	20.4
5	220 kV	BALIMELA-UPPER-SILERRU	1	1	0	0.0	0.0	0.0
					ER-SR	0.0	82.2	-82.2
Import/Export of ER (With NER)								
1	400 kV	BINAGURI-BONGAIGAON	2	0	316	0.0	1.8	-1.8
2	400 kV	ALIPURDUAR-BONGAIGAON	2	116	450	0.0	1.2	-1.2
3	220 kV	ALIPURDUAR-SALAKATI	2	0	120	0.0	1.1	-1.1
					ER-NER	0.0	4.1	-4.1
Import/Export of NER (With NR)								
1	HVDC	BISWANATH CHARIALI-AGRA	2	0	703	0.0	17.0	-17.0
					NER-NR	0.0	17.0	-17.0
Import/Export of WR (With NR)								
1	HVDC	CHAMPA-KURUKSHETRA	2	0	1755	0.0	41.6	-41.6
2	HVDC	VINDHYACHAL B/B	-	446	104	4.3	0.0	4.3
3	HVDC	MUNDRA-MOHINDERGARH	2	0	1920	0.0	38.5	-38.5
4	765 kV	GWALIOR-AGRA	2	0	2603	0.0	41.6	-41.6
5	765 kV	PHAGI-GWALIOR	2	0	1520	0.0	24.0	-24.0
6	765 kV	JABALPUR-ORAI	2	0	1100	0.0	33.7	-33.7
7	765 kV	GWALIOR-ORAI	1	687	0	10.8	0.0	10.8
8	765 kV	SATNA-ORAI	1	0	1499	0.0	28.9	-28.9
9	765 kV	CHITORGARH-BANASKANTHA	2	91	749	0.1	6.9	-6.8
10	400 kV	ZERDA-KANKROLI	1	72	158	0.0	0.6	-0.6
11	400 kV	ZERDA -BHINMAL	1	7	340	0.0	3.1	-3.1
12	400 kV	VINDHYACHAL -RIHAND	1	967	0	22.3	0.0	22.3
13	400 kV	RAPP-SHUJALPUR	2	5	430	0.0	4.1	-4.1
14	220 kV	BHANPURA-RANPUR	1	1	109	0.0	1.1	-1.1
15	220 kV	BHANPURA-MORAK	1	11	0	0.3	0.4	-0.1
16	220 kV	MEHGAON-AURAIYA	1	94	0	0.6	0.0	0.6
17	220 kV	MALANPUR-AURAIYA	1	61	7	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	224.3	-184.7
Import/Export of WR (With SR)								
1	HVDC	BHADRAWATI B/B	-	0	518	0.0	12.1	-12.1
2	HVDC	RAIGARH-PUGALUR	2	0	991	0.0	13.9	-13.9
3	765 kV	SOLAPUR-RAICHUR	2	1023	2756	0.0	23.8	-23.8
4	765 kV	WARDHA-NIZAMABAD	2	139	2159	0.0	22.6	-22.6
5	400 kV	KOLHAPUR-KUDGI	2	785	33	6.5	0.0	6.5
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	47	0.7	0.0	0.7
					WR-SR	7.2	72.4	-65.2

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 MANGDECHU HEP 4*180MW)	548	378	435	10.4
	ER	400kV TALA-BINAGURI 1,2,4 (& 400kV MALBASE - BINAGURI) i.e. BINAGURI RECEIPT (from TALA HEP (6*170MW)	750	459	652	15.7
	ER	220kV CHUKHA-BIRPARA 1&2 (& 220kV MALBASE - BIRPARA) i.e. BIRPARA RECEIPT (from CHUKHA HEP 4*84MW)	330	192	254	6.1
	NER	132KV-GEYLEGPHU - SALAKATI	52	33	-44	-1.0
	NER	132kV Motanga-Rangia	62	43	-53	-1.3
NEPAL	NR	132KV-TANAKPUR(NH) - MAHENDRANAGAR(PG)	0	0	0	0.0
	ER	132KV-BIHAR - NEPAL	0	0	0	0.0
	ER	220KV-MUZAFFARPUR - DHALKEBAR DC	50	10	11	0.3
BANGLADESH	ER	BHERAMARA HVDC(BANGLADESH)	-935	-917	-933	-22.4
	NER	132KV-SURAJMANI NAGAR - COMILLA(BANGLADESH)-1	70	0	-59	-1.4
	NER	132KV-SURAJMANI NAGAR - COMILLA(BANGLADESH)-2	70	0	-59	-1.4