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: 26th 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 25.10.2020.

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 25-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 25th 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:** **26-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)	43267	43236	32631	17901	2264	139299
Peak Shortage (MW)	6	0	0	0	10	16
Energy Met (MU)	931	1075	762	387	40	3195
Hydro Gen (MU)	140	34	120	81	26	400
Wind Gen (MU)	5	18	29	-	-	52
Solar Gen (MU)*	37.47	29.50	93.30	4.47	0.08	165
Energy Shortage (MU)	0.0	0.0	0.0	0.0	0.1	0.1
Maximum Demand Met During the Day (MW) (From NLDC SCADA)	44482	47460	34350	18124	2447	140372
Time Of Maximum Demand Met (From NLDC SCADA)	21:04	07:40	09:37	18:00	17:38	18:34

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	0.019	0.00	0.00	1.46	1.46	86.49	12.05

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	5552	0	112.1	88.3	-1.1	135	0.0
	Haryana	5878	0	126.0	114.8	0.3	310	0.0
	Rajasthan	11647	0	233.1	87.2	-0.1	684	0.0
	Delhi	3001	0	62.6	45.5	0.5	124	0.0
	UP	14982	0	292.1	124.8	-1.5	471	0.0
	Uttarakhand	1606	0	31.6	21.0	0.4	129	0.0
	HP	1323	0	25.2	14.1	0.4	118	0.0
	J&K(UT) & Ladakh(UT)	2506	0	45.0	35.8	-0.1	254	0.0
	Chandigarh	153	0	2.9	3.0	-0.1	21	0.0
WR	Chhattisgarh	3433	0	78.9	29.0	-0.8	181	0.0
	Gujarat	14132	0	324.4	68.4	2.0	550	0.0
	MP	11815	0	247.7	145.5	-2.2	256	0.0
	Maharashtra	17432	0	376.1	114.0	-1.8	538	0.0
	Goa	392	0	8.4	8.1	-0.2	62	0.0
	DD	301	0	4.1	4.7	-0.6	30	0.0
	DNH	740	0	16.0	16.1	-0.1	41	0.0
	AMNSIL	845	0	18.9	1.2	0.7	275	0.0
SR	Andhra Pradesh	7171	0	158.4	68.8	-1.5	346	0.0
	Telangana	6678	0	137.0	35.9	-0.5	490	0.0
	Karnataka	6926	0	135.1	52.9	-1.4	490	0.0
	Kerala	3079	0	62.0	39.0	-0.2	280	0.0
	Tamil Nadu	11901	0	263.4	166.0	-1.8	323	0.0
	Puducherry	291	0	6.2	6.7	-0.5	43	0.0
ER	Bihar	4887	0	91.5	90.6	-3.3	571	0.0
	DVC	2859	0	60.3	-44.0	-1.0	352	0.0
	Jharkhand	1341	0	27.1	21.1	-2.4	37	0.0
	Odisha	4203	0	89.1	16.4	-0.1	422	0.0
	West Bengal	6197	0	118.4	30.6	-0.2	351	0.0
	Sikkim	68	0	1.0	1.3	-0.2	16	0.0
NER	Arunachal Pradesh	111	2	1.9	2.1	-0.1	37	0.0
	Assam	1379	7	21.8	18.6	-0.4	117	0.0
	Manipur	196	0	2.5	2.4	0.0	28	0.0
	Meghalaya	301	0	5.5	-0.7	-0.4	21	0.0
	Mizoram	91	3	1.4	0.6	0.5	40	0.0
	Nagaland	128	2	2.2	2.1	-0.1	11	0.0
	Tripura	267	1	4.4	4.2	-0.3	80	0.0

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

	Bhutan	Nepal	Bangladesh
Actual (MU)	24.4	-0.3	-24.8
Day Peak (MW)	1137.0	-15.4	-1083.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	274.3	-259.2	88.5	-93.3	-10.4	0.0
Actual(MU)	271.0	-249.2	82.9	-104.4	-12.8	-12.5
O/D/U/D(MU)	-3.3	10.0	-5.6	-11.2	-2.4	-12.5

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	TOTAL
Central Sector	6370	17005	11152	1700	910	37137
State Sector	14499	13932	15578	6805	11	50825
Total	20869	30937	26730	8505	921	87961

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Coal	415	1155	314	437	4	2324
Lignite	17	7	20	0	0	44
Hydro	140	34	120	81	26	400
Nuclear	27	21	69	0	0	117
Gas, Naptha & Diesel	24	83	16	0	28	151
RES (Wind, Solar, Biomass & Others)	53	47	154	5	0	259
Total	676	1347	694	522	57	3296

Share of RES in total generation (%)	7.86	3.52	22.20	0.86	0.14	7.86
Share of Non-fossil fuel (Hydro,Nuclear and RES) in total generation(%)	32.57	7.57	49.40	16.37	45.46	23.55

H. All India Demand Diversity Factor

Based on Regional Max Demands	1.046
Based on State Max Demands	1.096

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: 26-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	705	0.0	17.8	-17.8
2	HVDC	PUSAULI B/B	-	0	297	0.0	7.4	-7.4
3	765 kV	GAYA-VARANASI	2	0	923	0.0	11.7	-11.7
4	765 kV	SASARAM-FATEHPUR	1	199	233	0.0	0.3	-0.3
5	765 kV	GAYA-BALIA	1	0	513	0.0	10.0	-10.0
6	400 kV	PUSAULI-VARANASI	1	0	244	0.0	4.9	-4.9
7	400 kV	PUSAULI -ALLAHABAD	1	0	155	0.0	2.4	-2.4
8	400 kV	MUZAFFARPUR-GORAKHPUR	2	18	662	0.0	8.3	-8.3
9	400 kV	PATNA-BALIA	4	0	1074	0.0	15.6	-15.6
10	400 kV	BIHARSHARIFF-BALIA	2	0	433	0.0	6.2	-6.2
11	400 kV	MOTIHARI-GORAKHPUR	2	0	234	0.0	4.5	-4.5
12	400 kV	BIHARSHARIFF-VARANASI	2	185	294	0.0	0.4	-0.4
13	220 kV	PUSAULI-SAHUPURI	1	0	90	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	0.4	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	90.9	-90.5
Import/Export of ER (With WR)								
1	765 kV	JHARSUGUDA-DHARAMJAIGARH	4	483	293	6.2	0.0	6.2
2	765 kV	NEW RANCHI-DHARAMJAIGARH	2	967	0	12.7	0.0	12.7
3	765 kV	JHARSUGUDA-DURG	2	116	112	0.0	0.3	-0.3
4	400 kV	JHARSUGUDA-RAIGARH	4	163	226	0.0	1.2	-1.2
5	400 kV	RANCHI-SIPAT	2	305	42	3.2	0.0	3.2
6	220 kV	BUDHIPADAR-RAIGARH	1	0	168	0.0	2.7	-2.7
7	220 kV	BUDHIPADAR-KORBA	2	94	48	0.7	0.0	0.7
					ER-WR	22.7	4.1	18.6
Import/Export of ER (With SR)								
1	HVDC	JEYPORE-GAZUWAKA B/B	2	0	372	0.0	8.8	-8.8
2	HVDC	TALCHER-KOLAR BIPOLE	2	0	993	0.0	24.1	-24.1
3	765 kV	ANGUL-SRIKAKULAM	2	0	2732	0.0	44.7	-44.7
4	400 kV	TALCHER-I/C	2	910	0	18.4	0.0	18.4
5	220 kV	BALIMELA-UPPER-SILERRU	1	1	0	0.0	0.0	0.0
					ER-SR	0.0	77.5	-77.5
Import/Export of ER (With NER)								
1	400 kV	BINAGURI-BONGAIGAON	2	84	470	0.0	2.5	-2.5
2	400 kV	ALIPURDUAR-BONGAIGAON	2	288	349	0.2	0.0	0.2
3	220 kV	ALIPURDUAR-SALAKATI	2	26	142	0.0	0.8	-0.8
					ER-NER	0.2	3.3	-3.1
Import/Export of NER (With NR)								
1	HVDC	BISWANATH CHARIALI-AGRA	2	0	704	0.0	16.9	-16.9
					NER-NR	0.0	16.9	-16.9
Import/Export of WR (With NR)								
1	HVDC	CHAMPA-KURUKSHETRA	2	0	349	0.0	16.6	-16.6
2	HVDC	VINDHYACHAL B/B	-	445	0	6.2	0.0	6.2
3	HVDC	MUNDRA-MOHINDERGARH	2	0	1455	0.0	31.1	-31.1
4	765 kV	GWALIOR-AGRA	2	0	2364	0.0	45.4	-45.4
5	765 kV	PHAGI-GWALIOR	2	0	1635	0.0	26.9	-26.9
6	765 kV	JABALPUR-ORAI	2	0	1024	0.0	41.4	-41.4
7	765 kV	GWALIOR-ORAI	1	558	0	9.6	0.0	9.6
8	765 kV	SATNA-ORAI	1	0	1355	0.0	30.1	-30.1
9	765 kV	CHITORGARH-BANASKANTHA	2	25	862	0.0	12.6	-12.6
10	400 kV	ZERDA-KANKROLI	1	48	180	0.0	2.1	-2.1
11	400 kV	ZERDA -BHINMAL	1	0	407	0.0	5.1	-5.1
12	400 kV	VINDHYACHAL -RIHAND	1	981	0	22.8	0.0	22.8
13	400 kV	RAPP-SHUJALPUR	2	0	448	0.0	5.9	-5.9
14	220 kV	BHANPURA-RANPUR	1	0	114	0.0	1.4	-1.4
15	220 kV	BHANPURA-MORAK	1	11	0	0.0	0.6	-0.6
16	220 kV	MEHGAON-AURAIYA	1	64	0	0.3	0.0	0.3
17	220 kV	MALANPUR-AURAIYA	1	49	10	1.1	0.0	1.1
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	40.0	219.0	-179.0
Import/Export of WR (With SR)								
1	HVDC	BHADRAWATI B/B	-	0	522	0.0	12.2	-12.2
2	HVDC	RAIGARH-PUGALUR	2	0	498	0.0	12.0	-12.0
3	765 kV	SOLAPUR-RAICHUR	2	1160	2298	0.0	17.6	-17.6
4	765 kV	WARDHA-NIZAMABAD	2	605	1811	0.0	16.8	-16.8
5	400 kV	KOLHAPUR-KUDGI	2	760	44	6.9	0.0	6.9
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	43	0.8	0.0	0.8
					WR-SR	7.7	58.6	-50.9

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)	372	290	318	7.6
	ER	400kV TALA-BINAGURI 1,2,4 (& 400kV MALBASE - BINAGURI) i.e. BINAGURI RECEIPT (from TALA HEP (6*170MW)	459	443	451	10.8
	ER	220kV CHUKHA-BIRPARA 1&2 (& 220kV MALBASE - BIRPARA) i.e. BIRPARA RECEIPT (from CHUKHA HEP 4*84MW)	203	152	171	4.1
	NER	132KV-GEYLEGPHU - SALAKATI	54	24	-33	-0.8
	NER	132kV Motanga-Rangia	49	34	-43	-1.0
NEPAL	NR	132KV-TANAKPUR(NH) - MAHENDRANAGAR(PG)	0	0	0	0.0
	ER	132KV-BIHAR - NEPAL	-3	-1	-1	0.0
	ER	220KV-MUZAFFARPUR - DHALKEBAR DC	-12	-10	-12	-0.3
BANGLADESH	ER	BHERAMARA HVDC(BANGLADESH)	-931	0	-909	-21.8
	NER	132KV-SURAJMANI NAGAR - COMILLA(BANGLADESH)-1	77	0	-63	-1.5
	NER	132KV-SURAJMANI NAGAR - COMILLA(BANGLADESH)-2	75	0	-63	-1.5