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: 8th 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 07.10.2020.

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 07-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 07th 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: 08-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)	52801	49704	40444	21780	2868	167597
Peak Shortage (MW)	1070	0	0	0	6	1076
Energy Met (MU)	1205	1163	938	457	53	3817
Hydro Gen (MU)	207	48	132	137	28	552
Wind Gen (MU)	9	31	70	-	-	110
Solar Gen (MU)*	39.90	28.26	90.48	3.92	0.08	163
Energy Shortage (MU)	0.6	0.0	0.0	0.0	0.0	0.6
Maximum Demand Met During the Day (MW) (From NLDC SCADA)	55153	50259	45379	21816	2974	170045
Time Of Maximum Demand Met (From NLDC SCADA)	11:00	14:55	12:44	18:57	18:08	12:44

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	0.024	0.00	0.00	3.76	3.76	84.08	12.16

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	8794	0	179.5	115.6	-1.8	119	0.0
	Haryana	7839	0	172.1	132.1	1.1	284	0.0
	Rajasthan	11458	0	246.6	72.4	0.3	297	0.0
	Delhi	4237	0	90.8	78.4	-0.5	91	0.0
	UP	20157	0	394.1	156.5	-0.7	375	0.6
	Uttarakhand	1901	0	39.0	21.9	0.9	160	0.0
	HP	1478	0	30.8	12.5	1.2	146	0.0
	J&K(UT) & Ladakh(UT)	2464	0	47.5	30.6	2.0	290	0.0
	Chandigarh	213	0	4.2	4.1	0.0	24	0.0
WR	Chhattisgarh	3255	0	80.1	23.8	-0.9	234	0.0
	Gujarat	16248	0	364.3	68.8	2.7	338	0.0
	MP	9779	0	218.3	149.2	-1.0	396	0.0
	Maharashtra	20318	0	446.3	138.1	-0.1	556	0.0
	Goa	476	0	9.7	9.2	-0.1	44	0.0
	DD	346	0	7.6	7.3	0.3	34	0.0
	DNH	798	0	18.5	18.2	0.3	47	0.0
	AMNSIL	807	0	18.3	1.2	0.6	244	0.0
SR	Andhra Pradesh	8110	0	172.9	76.8	-0.9	432	0.0
	Telangana	8688	0	179.1	63.2	-2.7	630	0.0
	Karnataka	9495	0	180.5	64.9	1.0	772	0.0
	Kerala	3408	0	71.0	48.0	0.1	160	0.0
	Tamil Nadu	14373	0	327.0	183.5	-1.7	535	0.0
	Puducherry	383	0	7.8	7.9	-0.1	35	0.0
ER	Bihar	5410	0	112.8	104.6	1.8	475	0.0
	DVC	3083	0	63.3	-53.5	-0.5	380	0.0
	Jharkhand	1421	0	28.6	21.5	-1.3	112	0.0
	Odisha	4402	0	90.7	8.8	0.7	380	0.0
	West Bengal	7918	0	160.3	43.0	0.5	320	0.0
	Sikkim	91	0	1.3	1.4	-0.2	20	0.0
NER	Arunachal Pradesh	110	2	2.2	2.3	-0.2	19	0.0
	Assam	1869	15	33.0	29.6	0.3	158	0.0
	Manipur	207	2	2.8	2.6	0.2	35	0.0
	Meghalaya	334	1	6.1	1.1	-0.4	14	0.0
	Mizoram	101	1	1.7	1.2	0.1	15	0.0
	Nagaland	128	1	2.6	2.4	0.0	14	0.0
	Tripura	289	5	5.1	6.7	0.0	69	0.0

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

	Bhutan	Nepal	Bangladesh
Actual (MU)	43.9	-2.0	-25.2
Day Peak (MW)	1955.0	-235.2	-1082.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	318.0	-304.9	116.2	-127.7	-1.7	0.0
Actual(MU)	335.1	-306.8	114.3	-144.1	-2.8	-4.1
O/D/U/D(MU)	17.1	-1.9	-1.9	-16.4	-1.1	-4.1

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	TOTAL
Central Sector	5447	14712	8902	2420	525	32005
State Sector	10654	16714	14546	5667	112	47693
Total	16101	31426	23448	8087	637	79698

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Coal	551	1259	415	489	8	2722
Lignite	27	10	25	0	0	62
Hydro	207	48	132	137	28	552
Nuclear	26	21	69	0	0	115
Gas, Naptha & Diesel	21	86	14	0	26	147
RES (Wind, Solar, Biomass & Others)	60	59	188	4	0	312
Total	893	1483	842	630	62	3910
Share of RES in total generation (%)	6.77	3.99	22.36	0.63	0.13	7.98
Share of Non-fossil fuel (Hydro,Nuclear and RES) in total generation(%)	32.87	8.62	46.18	22.44	44.83	25.05

H. All India Demand Diversity Factor

Based on Regional Max Demands	1.033
Based on State Max Demands	1.061

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: 08-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	1002	0.0	25.4	-25.4
2	HVDC	PUSAULI B/B	-	0	297	0.0	7.0	-7.0
3	765 kV	GAYA-VARANASI	2	0	801	0.0	12.4	-12.4
4	765 kV	SASARAM-FATEHPUR	1	181	349	0.0	3.2	-3.2
5	765 kV	GAYA-BALIA	1	0	479	0.0	8.6	-8.6
6	400 kV	PUSAULI-VARANASI	1	0	238	0.0	4.7	-4.7
7	400 kV	PUSAULI -ALLAHABAD	1	13	146	0.0	2.4	-2.4
8	400 kV	MUZAFFARPUR-GORAKHPUR	2	0	845	0.0	15.5	-15.5
9	400 kV	PATNA-BALIA	4	0	996	0.0	17.2	-17.2
10	400 kV	BIHARSHARIFF-BALIA	2	0	413	0.0	5.9	-5.9
11	400 kV	MOTIHARI-GORAKHPUR	2	0	304	0.0	6.0	-6.0
12	400 kV	BIHARSHARIFF-VARANASI	2	81	335	0.0	3.6	-3.6
13	220 kV	PUSAULI-SAHUPURI	1	11	141	0.0	0.7	-0.7
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	112.4	-112.0
Import/Export of ER (With WR)								
1	765 kV	JHARSUGUDA-DHARAMJAIGARH	4	658	0	10.0	0.0	10.0
2	765 kV	NEW RANCHI-DHARAMJAIGARH	2	791	137	9.3	0.0	9.3
3	765 kV	JHARSUGUDA-DURG	2	83	126	0.0	0.1	-0.1
4	400 kV	JHARSUGUDA-RAIGARH	4	311	129	2.4	0.0	2.4
5	400 kV	RANCHI-SIPAT	2	88	0	3.2	0.0	3.2
6	220 kV	BUDHIPADAR-RAIGARH	1	0	132	0.0	2.0	-2.0
7	220 kV	BUDHIPADAR-KORBA	2	123	0	1.8	0.0	1.8
					ER-WR	26.7	2.1	24.6
Import/Export of ER (With SR)								
1	HVDC	JEYPORE-GAZUWAKA B/B	2	0	346	0.0	7.4	-7.4
2	HVDC	TALCHER-KOLAR BIPOLE	2	0	1991	0.0	43.5	-43.5
3	765 kV	ANGUL-SRIKAKULAM	2	0	2245	0.0	42.5	-42.5
4	400 kV	TALCHER-I/C	2	333	419	0.0	1.7	-1.7
5	220 kV	BALIMELA-UPPER-SILERRU	1	1	0	0.0	0.0	0.0
					ER-SR	0.0	93.3	-93.3
Import/Export of ER (With NER)								
1	400 kV	BINAGURI-BONGAIGAON	2	0	469	0.0	4.8	-4.8
2	400 kV	ALIPURDUAR-BONGAIGAON	2	96	434	0.0	3.0	-3.0
3	220 kV	ALIPURDUAR-SALAKATI	2	0	140	0.0	1.8	-1.8
					ER-NER	0.0	9.7	-9.7
Import/Export of NER (With NR)								
1	HVDC	BISWANATH CHARIALI-AGRA	2	0	604	0.0	14.5	-14.5
					NER-NR	0.0	14.5	-14.5
Import/Export of WR (With NR)								
1	HVDC	CHAMPA-KURUKSHETRA	2	0	2261	0.0	55.6	-55.6
2	HVDC	VINDHYACHAL B/B	-	93	0	2.5	0.0	2.5
3	HVDC	MUNDRA-MOHINDERGARH	2	0	1914	0.0	38.5	-38.5
4	765 kV	GWALIOR-AGRA	2	0	2460	0.0	46.5	-46.5
5	765 kV	PHAGI-GWALIOR	2	0	1327	0.0	23.1	-23.1
6	765 kV	JABALPUR-ORAI	2	0	1092	0.0	42.1	-42.1
7	765 kV	GWALIOR-ORAI	1	624	0	11.6	0.0	11.6
8	765 kV	SATNA-ORAI	1	0	1504	0.0	31.8	-31.8
9	765 kV	CHITORGARH-BANASKANTHA	2	0	641	0.0	7.1	-7.1
10	400 kV	ZERDA-KANKROLI	1	46	94	0.0	0.5	-0.5
11	400 kV	ZERDA -BHINMAL	1	26	150	0.0	1.5	-1.5
12	400 kV	VINDHYACHAL -RIHAND	1	979	0	22.4	0.0	22.4
13	400 kV	RAPP-SHUJALPUR	2	0	370	0.0	6.1	-6.1
14	220 kV	BHANPURA-RANPUR	1	0	138	0.0	2.2	-2.2
15	220 kV	BHANPURA-MORAK	1	11	0	0.0	2.1	-2.1
16	220 kV	MEHGAON-AURAIYA	1	118	0	0.5	0.0	0.4
17	220 kV	MALANPUR-AURAIYA	1	71	12	1.5	0.0	1.5
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	38.5	257.1	-218.7
Import/Export of WR (With SR)								
1	HVDC	BHADRAWATI B/B	-	0	1019	0.0	24.0	-24.0
2	HVDC	RAIGARH-PUGALUR	2	0	801	0.0	19.1	-19.1
3	765 kV	SOLAPUR-RAICHUR	2	1149	1749	0.0	10.4	-10.4
4	765 kV	WARDHA-NIZAMABAD	2	3	1828	0.0	21.9	-21.9
5	400 kV	KOLHAPUR-KUDGI	2	830	0	10.7	0.0	10.7
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	90	1.6	0.0	1.6
					WR-SR	12.3	75.4	-63.2

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)	586	0	583	14.0
	ER	400kV TALA-BINAGURI 1,2,4 (& 400kV MALBASE - BINAGURI) i.e. BINAGURI RECEIPT (from TALA HEP (6*170MW)	880	0	840	20.2
	ER	220kV CHUKHA-BIRPARA 1&2 (& 220kV MALBASE - BIRPARA) i.e. BIRPARA RECEIPT (from CHUKHA HEP 4*84MW)	329	0	305	7.3
	NER	132KV-GEYLEGPHU - SALAKATI	-51	-41	-47	-1.1
	NER	132kV Motanga-Rangia	-63	-45	-55	-1.3
NEPAL	NR	132KV-TANAKPUR(NH) - MAHENDRANAGAR(PG)	-55	0	-22	-0.5
	ER	132KV-BIHAR - NEPAL	-28	0	-3	-0.1
	ER	220KV-MUZAFFARPUR - DHALKEBAR DC	-152	-22	-56	-1.4
BANGLADESH	ER	BHERAMARA HVDC(BANGLADESH)	-928	-919	-924	-22.2
	NER	132KV-SURAJMANI NAGAR - COMILLA(BANGLADESH)-1	77	0	-60	-1.5
	NER	132KV-SURAJMANI NAGAR - COMILLA(BANGLADESH)-2	77	0	-65	-1.6