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: 9th 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 08.10.2020.

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 08-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 08th 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: 09-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)	53271	50722	39615	22494	2955	169057
Peak Shortage (MW)	440	0	0	172	2	614
Energy Met (MU)	1174	1174	929	463	54	3794
Hydro Gen (MU)	200	41	132	130	25	527
Wind Gen (MU)	3	34	23	-	-	60
Solar Gen (MU)*	40.51	29.87	86.84	3.97	0.06	161
Energy Shortage (MU)	0.3	0.0	0.0	0.5	0.0	0.9
Maximum Demand Met During the Day (MW) (From NLDC SCADA)	55153	51109	43527	22498	3042	169899
Time Of Maximum Demand Met (From NLDC SCADA)	11:06	18:50	10:00	19:41	17:55	19:01

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	0.025	0.00	0.09	4.29	4.39	83.54	12.07

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	7650	0	156.0	98.7	-1.4	192	0.0
	Haryana	7869	0	171.0	132.5	1.0	204	0.0
	Rajasthan	11516	0	244.8	74.9	1.2	420	0.0
	Delhi	4259	0	90.1	78.6	-0.8	138	0.0
	UP	19832	0	390.2	157.3	-0.5	324	0.3
	Uttarakhand	1897	0	38.4	22.3	-0.1	174	0.0
	HP	1457	0	31.0	13.3	1.1	289	0.0
	J&K(UT) & Ladakh(UT)	2680	0	48.4	30.4	3.0	422	0.0
	Chandigarh	217	0	4.2	4.1	0.1	29	0.0
WR	Chhattisgarh	3577	0	82.4	22.4	-0.2	245	0.0
	Gujarat	16769	0	369.2	79.1	1.5	419	0.0
	MP	9913	0	222.6	142.6	-1.3	432	0.0
	Maharashtra	20635	0	448.2	142.5	-1.2	734	0.0
	Goa	487	0	9.9	9.4	-0.1	44	0.0
	DD	309	0	4.9	5.0	-0.1	67	0.0
	DNH	799	0	18.6	18.6	0.0	32	0.0
	AMNSIL	789	0	18.0	1.2	0.3	45	0.0
SR	Andhra Pradesh	8450	0	178.9	85.9	0.9	635	0.0
	Telangana	8469	0	174.9	62.9	-0.2	727	0.0
	Karnataka	9667	0	185.9	69.6	4.0	1024	0.0
	Kerala	3351	0	70.1	49.3	-0.2	172	0.0
	Tamil Nadu	14064	0	310.9	192.0	-0.8	726	0.0
	Puducherry	386	0	7.9	8.1	-0.2	29	0.0
ER	Bihar	5630	0	113.4	106.9	0.8	338	0.0
	DVC	3176	0	65.1	-51.0	-1.2	380	0.0
	Jharkhand	1424	0	29.4	22.1	-0.8	135	0.5
	Odisha	4462	0	89.9	8.2	-0.2	318	0.0
	West Bengal	8267	0	164.0	46.7	2.9	508	0.0
	Sikkim	92	0	1.3	1.4	-0.2	15	0.0
NER	Arunachal Pradesh	120	1	2.2	2.1	0.1	39	0.0
	Assam	1899	12	34.4	30.7	0.6	158	0.0
	Manipur	215	0	2.7	2.6	0.2	27	0.0
	Meghalaya	334	0	5.9	0.9	-0.3	35	0.0
	Mizoram	97	1	1.6	1.0	0.2	24	0.0
	Nagaland	150	0	2.5	2.4	-0.1	8	0.0
	Tripura	300	5	5.0	6.9	0.0	76	0.0

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

	Bhutan	Nepal	Bangladesh
Actual (MU)	41.4	-1.6	-25.4
Day Peak (MW)	1823.0	-241.8	-1090.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	303.0	-302.7	119.5	-119.8	0.0	0.0
Actual(MU)	311.8	-315.6	127.1	-132.7	1.5	-8.0
O/D/U/D(MU)	8.7	-12.9	7.6	-12.9	1.5	-8.0

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	TOTAL
Central Sector	5447	14687	8902	2945	525	32505
State Sector	11064	16467	13586	5457	112	46686
Total	16511	31153	22488	8402	637	79191

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Coal	551	1295	431	488	7	2772
Lignite	25	9	25	0	0	59
Hydro	200	41	132	130	25	527
Nuclear	27	21	69	0	0	116
Gas, Naptha & Diesel	21	78	14	0	27	140
RES (Wind, Solar, Biomass & Others)	55	64	140	4	0	263
Total	879	1508	810	622	59	3877

Share of RES in total generation (%)	6.21	4.26	17.26	0.63	0.10	6.77
Share of Non-fossil fuel (Hydro,Nuclear and RES) in total generation(%)	31.99	8.35	42.01	21.55	42.09	23.37

H. All India Demand Diversity Factor

Based on Regional Max Demands	1.042
Based on State Max Demands	1.066

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

P

INTER-REGIONAL EXCHANGES

Import=(+ve) /Export =(-ve) for NET (MU)
Date of Reporting: 09-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	1004	0.0	23.5	-23.5
2	HVDC	PUSAULI B/B	-	0	299	0.0	7.3	-7.3
3	765 kV	GAYA-VARANASI	2	0	640	0.0	9.5	-9.5
4	765 kV	SASARAM-FATEHPUR	1	211	172	0.2	0.0	0.2
5	765 kV	GAYA-BALIA	1	0	437	0.0	7.7	-7.7
6	400 kV	PUSAULI-VARANASI	1	0	246	0.0	4.9	-4.9
7	400 kV	PUSAULI -ALLAHABAD	1	0	143	0.0	2.1	-2.1
8	400 kV	MUZAFFARPUR-GORAKHPUR	2	0	709	0.0	11.3	-11.3
9	400 kV	PATNA-BALIA	4	0	730	0.0	14.4	-14.4
10	400 kV	BIHARSHARIFF-BALIA	2	0	392	0.0	5.4	-5.4
11	400 kV	MOTIHARI-GORAKHPUR	2	0	284	0.0	5.4	-5.4
12	400 kV	BIHARSHARIFF-VARANASI	2	155	267	0.0	1.2	-1.2
13	220 kV	PUSAULI-SAHUPURI	1	0	127	0.0	2.5	-2.5
14	132 kV	SONE NAGAR-RIHAND	1	0	0	0.0	0.0	0.0
15	132 kV	GARWAH-RIHAND	1	20	0	0.3	0.0	0.3
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	95.1	-94.6
Import/Export of ER (With WR)								
1	765 kV	JHARSUGUDA-DHARAMJAIGARH	4	627	309	3.7	0.0	3.7
2	765 kV	NEW RANCHI-DHARAMJAIGARH	2	968	41	10.8	0.0	10.8
3	765 kV	JHARSUGUDA-DURG	2	96	185	1.0	0.0	1.0
4	400 kV	JHARSUGUDA-RAIGARH	4	262	43	2.8	0.0	2.8
5	400 kV	RANCHI-SIPAT	2	88	0	2.4	0.0	2.4
6	220 kV	BUDHIPADAR-RAIGARH	1	0	149	0.0	2.2	-2.2
7	220 kV	BUDHIPADAR-KORBA	2	127	0	2.2	0.0	2.2
					ER-WR	22.8	2.2	20.5
Import/Export of ER (With SR)								
1	HVDC	JEYPORE-GAZUWAKA B/B	2	0	433	0.0	8.8	-8.8
2	HVDC	TALCHER-KOLAR BIPOLE	2	0	1490	0.0	36.1	-36.1
3	765 kV	ANGUL-SRIKAKULAM	2	0	2543	0.0	47.0	-47.0
4	400 kV	TALCHER-I/C	2	343	0	6.3	0.0	6.3
5	220 kV	BALIMELA-UPPER-SILERRU	1	1	0	0.0	0.0	0.0
					ER-SR	0.0	91.9	-91.9
Import/Export of ER (With NER)								
1	400 kV	BINAGURI-BONGAIGAON	2	0	522	0.0	6.8	-6.8
2	400 kV	ALIPURDUAR-BONGAIGAON	2	0	586	0.0	5.0	-5.0
3	220 kV	ALIPURDUAR-SALAKATI	2	0	168	0.0	2.2	-2.2
					ER-NER	0.0	13.9	-13.9
Import/Export of NER (With NR)								
1	HVDC	BISWANATH CHARIALI-AGRA	2	0	604	0.0	14.8	-14.8
					NER-NR	0.0	14.8	-14.8
Import/Export of WR (With NR)								
1	HVDC	CHAMPA-KURUKSHETRA	2	0	1618	0.0	63.7	-63.7
2	HVDC	VINDHYACHAL B/B	-	315	0	6.1	0.0	6.1
3	HVDC	MUNDRA-MOHINDERGARH	2	0	1456	0.0	36.3	-36.3
4	765 kV	GWALIOR-AGRA	2	0	2681	0.0	46.7	-46.7
5	765 kV	PHAGI-GWALIOR	2	0	1183	0.0	22.6	-22.6
6	765 kV	JABALPUR-ORAI	2	0	1059	0.0	39.0	-39.0
7	765 kV	GWALIOR-ORAI	1	524	0	10.0	0.0	10.0
8	765 kV	SATNA-ORAI	1	0	1428	0.0	29.9	-29.9
9	765 kV	CHITORGARH-BANASKANTHA	2	0	628	0.0	5.7	-5.7
10	400 kV	ZERDA-KANKROLI	1	39	84	0.0	0.4	-0.4
11	400 kV	ZERDA -BHINMAL	1	0	168	0.0	2.0	-2.0
12	400 kV	VINDHYACHAL -RIHAND	1	976	0	22.8	0.0	22.8
13	400 kV	RAPP-SHUJALPUR	2	0	352	0.0	3.0	-3.0
14	220 kV	BHANPURA-RANPUR	1	0	129	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	117	0	0.5	0.0	0.5
17	220 kV	MALANPUR-AURAIYA	1	70	18	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	41.0	253.5	-212.6
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	798	0.0	19.1	-19.1
3	765 kV	SOLAPUR-RAICHUR	2	0	1760	0.0	21.5	-21.5
4	765 kV	WARDHA-NIZAMABAD	2	0	1627	0.0	25.3	-25.3
5	400 kV	KOLHAPUR-KUDGI	2	486	0	7.0	0.0	7.0
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	0	82	1.5	0.0	1.5
					WR-SR	8.6	89.9	-81.4

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)	513	0	474	11.4
	ER	400kV TALA-BINAGURI 1,2,4 (& 400kV MALBASE - BINAGURI) i.e. BINAGURI RECEIPT (from TALA HEP (6*170MW)	867	837	839	20.1
	ER	220kV CHUKHA-BIRPARA 1&2 (& 220kV MALBASE - BIRPARA) i.e. BIRPARA RECEIPT (from CHUKHA HEP 4*84MW)	322	0	306	7.3
	NER	132KV-GEYLEGPHU - SALAKATI	52	38	-48	-1.1
	NER	132kV Motanga-Rangia	69	42	-58	-1.4
NEPAL	NR	132KV-TANAKPUR(NH) - MAHENDRANAGAR(PG)	-50	0	-20	-0.5
	ER	132KV-BIHAR - NEPAL	-50	0	9	0.2
	ER	220KV-MUZAFFARPUR - DHALKEBAR DC	-142	-2	-55	-1.3

BANGLADESH	ER	BHERAMARA HVDC(BANGLADESH)	-924	-917	-920	-22.1
	NER	132KV-SURAJMANI NAGAR - COMILLA(BANGLADESH)-1	83	0	-69	-1.7
	NER	132KV-SURAJMANI NAGAR - COMILLA(BANGLADESH)-2	83	0	-69	-1.7