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, क़ुतुब इन्स्टीट्यूशनल एरिया, कटवारिया सराये, न्यू दिल्ली-110016

Ref: POSOCO/NLDC/SO/Daily PSP Report

दिनांक: 26th Aug 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 25.08.2020.

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 25-अगस्त-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 August 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-Aug-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)	57283	41871	38857	21676	2965	162652
Peak Shortage (MW)	240	0	0	0	13	253
Energy Met (MU)	1248	955	919	454	57	3633
Hydro Gen (MU)	345	84	132	146	24	731
Wind Gen (MU)	21	167	70	-	-	258
Solar Gen (MU)*	26.00	21.87	98.04	4.51	0.09	151
Energy Shortage (MU)	1.2	0.0	0.0	0.0	0.0	1.2
Maximum Demand Met During the Day (MW) (From NLDC SCADA)	59141	41375	42701	21694	2998	162203
Time Of Maximum Demand Met (From NLDC SCADA)	22:24	19:37	10:02	19:28	18:47	19:42

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	0.035	0.00	1.20	5.75	6.96	81.29	11.76

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	10558	0	240.7	142.7	-1.2	75	0.0
	Haryana	8375	0	181.2	179.5	-0.4	134	0.0
	Rajasthan	8911	0	194.8	82.2	-2.4	419	0.0
	Delhi	4630	0	97.2	85.4	-1.2	87	0.0
	UP	21878	370	416.8	202.0	1.8	537	1.1
	Uttarakhand	1862	0	40.8	19.1	1.3	193	0.1
	HP	1355	0	30.5	-4.9	-1.4	13	0.0
	J&K(UT) & Ladakh(UT)	2204	0	40.8	23.1	0.8	402	0.0
	Chandigarh	265	0	5.4	5.3	0.1	31	0.0
WR	Chhattisgarh	3684	0	89.6	29.9	-0.7	164	0.0
	Gujarat	11355	0	249.7	42.4	0.8	680	0.0
	MP	8428	0	186.3	90.3	-2.1	436	0.0
	Maharashtra	17811	0	381.4	143.5	0.4	643	0.0
	Goa	411	0	8.6	8.2	-0.2	34	0.0
	DD	294	0	6.4	6.2	0.2	35	0.0
	DNH	701	0	15.9	16.0	-0.1	39	0.0
	AMNSIL	770	0	16.6	1.4	0.1	239	0.0
SR	Andhra Pradesh	8051	0	170.8	63.9	0.5	777	0.0
	Telangana	9953	0	200.5	76.1	2.4	1276	0.0
	Karnataka	9306	0	175.3	64.9	1.2	614	0.0
	Kerala	3384	0	70.6	47.8	0.3	165	0.0
	Tamil Nadu	13556	0	295.3	158.3	-1.3	644	0.0
	Puducherry	340	0	6.9	7.3	-0.5	13	0.0
ER	Bihar	5952	0	118.5	111.9	-0.0	598	0.0
	DVC	2920	0	63.7	-40.7	-0.1	271	0.0
	Jharkhand	1488	0	28.2	20.5	-1.2	221	0.0
	Odisha	3850	0	79.1	6.0	-0.8	416	0.0
	West Bengal	7975	0	163.9	61.9	2.0	485	0.0
	Sikkim	83	0	1.0	1.1	-0.2	9	0.0
NER	Arunachal Pradesh	125	2	2.1	1.7	0.4	11	0.0
	Assam	1960	25	38.1	32.9	1.1	130	0.0
	Manipur	212	2	2.6	2.5	0.2	34	0.0
	Meghalaya	313	0	5.5	0.6	-0.1	47	0.0
	Mizoram	103	1	1.6	1.2	0.3	21	0.0
	Nagaland	130	2	2.5	2.5	-0.1	45	0.0
	Tripura	266	2	4.7	5.6	0.1	49	0.0

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

	Bhutan	Nepal	Bangladesh
Actual (MU)	54.3	-2.7	-26.5
Day Peak (MW)	2357.0	-296.1	-1116.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	326.3	-332.6	119.5	-116.7	3.6	0.0
Actual(MU)	313.6	-350.5	132.3	-107.0	6.9	-4.7
O/D/U/D(MU)	-12.7	-17.9	12.9	9.7	3.3	-4.7

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	TOTAL
Central Sector	5242	16558	9702	2155	610	34267
State Sector	13779	28477	13192	5232	11	60691
Total	19021	45034	22894	7387	621	94957

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Coal	460	962	362	453	7	2244
Lignite	26	7	26	0	0	59
Hydro	345	84	132	146	24	731
Nuclear	27	32	62	0	0	120
Gas, Naptha & Diesel	27	48	15	0	26	116
RES (Wind, Solar, Biomass & Others)	67	189	199	5	0	460
Total	951	1323	796	604	56	3731

Share of RES in total generation (%)	7.03	14.29	25.03	0.75	0.16	12.32
Share of Non-fossil fuel (Hydro,Nuclear and RES) in total generation(%)	46.07	23.09	49.36	24.98	41.82	35.15

H. All India Demand Diversity Factor

Based on Regional Max Demands	1.035
Based on State Max Demands	1.069

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-Aug-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	1003	0.0	23.6	-23.6
2	HVDC	PUSAULI B/B	-	0	198	0.0	4.8	-4.8
3	765 kV	GAYA-VARANASI	2	0	519	0.0	7.7	-7.7
4	765 kV	SASARAM-FATEHPUR	1	218	128	2.5	0.0	2.5
5	765 kV	GAYA-BALIA	1	0	541	0.0	8.6	-8.6
6	400 kV	PUSAULI-VARANASI	1	0	203	0.0	4.4	-4.4
7	400 kV	PUSAULI -ALLAHABAD	1	13	55	0.0	0.2	-0.2
8	400 kV	MUZAFFARPUR-GORAKHPUR	2	0	636	0.0	11.6	-11.6
9	400 kV	PATNA-BALIA	4	0	905	0.0	13.4	-13.4
10	400 kV	BIHARSHARIFF-BALIA	2	0	415	0.0	5.1	-5.1
11	400 kV	MOTIHARI-GORAKHPUR	2	0	334	0.0	5.9	-5.9
12	400 kV	BIHARSHARIFF-VARANASI	2	91	96	0.0	0.1	-0.1
13	220 kV	PUSAULI-SAHUPURI	1	0	187	0.0	2.7	-2.7
14	132 kV	SONE NAGAR-RIHAND	1	0	0	0.0	0.0	0.0
15	132 kV	GARWAH-RIHAND	1	30	0	0.7	0.0	0.7
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	3.1	88.1	-85.0
Import/Export of ER (With WR)								
1	765 kV	JHARSUGUDA-DHARAMJAIGARH	4	1173	0	18.4	0.0	18.4
2	765 kV	NEW RANCHI-DHARAMJAIGARH	2	1315	0	23.3	0.0	23.3
3	765 kV	JHARSUGUDA-DURG	2	149	67	0.8	0.0	0.8
4	400 kV	JHARSUGUDA-RAIGARH	4	265	162	2.6	0.0	2.6
5	400 kV	RANCHI-SIPAT	2	456	0	8.0	0.0	8.0
6	220 kV	BUDHIPADAR-RAIGARH	1	0	97	0.0	1.1	-1.1
7	220 kV	BUDHIPADAR-KORBA	2	160	0	2.7	0.0	2.7
					ER-WR	55.7	1.1	54.7
Import/Export of ER (With SR)								
1	HVDC	JEYPORE-GAZUWAKA B/B	2	0	583	0.0	9.3	-9.3
2	HVDC	TALCHER-KOLAR BIPOLE	2	0	1995	0.0	45.0	-45.0
3	765 kV	ANGUL-SRIKAKULAM	2	0	2823	0.0	50.0	-50.0
4	400 kV	TALCHER-I/C	2	580	776	0.0	2.3	-2.3
5	220 kV	BALIMELA-UPPER-SILERRU	1	1	0	0.0	0.0	0.0
					ER-SR	0.0	104.3	-104.3
Import/Export of ER (With NER)								
1	400 kV	BINAGURI-BONGAIGAON	2	0	430	0.0	6.8	-6.8
2	400 kV	ALIPURDUAR-BONGAIGAON	2	0	528	0.0	8.0	-8.0
3	220 kV	ALIPURDUAR-SALAKATI	2	0	140	0.0	2.3	-2.3
					ER-NER	0.0	17.2	-17.2
Import/Export of NER (With NR)								
1	HVDC	BISWANATH CHARIALI-AGRA	2	0	603	0.0	13.7	-13.7
					NER-NR	0.0	13.7	-13.7

Import/Export of WR (With NR)

1	HVDC	CHAMPA-KURUKSHETRA	2	0	1502	0.0	48.0	-48.0
2	HVDC	VINDHYACHAL B/B	-	447	0	12.1	0.0	12.1
3	HVDC	MUNDRA-MOHINDERGARH	2	0	1921	0.0	38.2	-38.2
4	765 kV	GWALIOR-AGRA	2	0	2746	0.0	52.2	-52.2
5	765 kV	PHAGI-GWALIOR	2	0	1390	0.0	26.9	-26.9
6	765 kV	JABALPUR-ORAI	2	0	976	0.0	38.6	-38.6
7	765 kV	GWALIOR-ORAI	1	498	0	9.8	0.0	9.8
8	765 kV	SATNA-ORAI	1	0	1508	0.0	33.1	-33.1
9	765 kV	CHITORGARH-BANASKANTHA	2	0	1024	0.0	18.8	-18.8
10	400 kV	ZERDA-KANKROLI	1	0	146	0.0	2.0	-2.0
11	400 kV	ZERDA -BHINMAL	1	126	133	0.0	0.5	-0.5
12	400 kV	VINDHYACHAL -RIHAND	1	972	0	22.3	0.0	22.3
13	400 kV	RAPP-SHUJALPUR	2	0	439	0.0	3.1	-3.1
14	220 kV	BHANPURA-RANPUR	1	11	0	0.0	2.2	-2.2
15	220 kV	BHANPURA-MORAK	1	0	131	0.0	2.1	-2.1
16	220 kV	MEHGAON-AURAIYA	1	77	25	0.6	0.1	0.6
17	220 kV	MALANPUR-AURAIYA	1	40	56	0.3	0.1	0.2
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	45.1	265.9	-220.8

Import/Export of WR (With SR)

1	HVDC	BHADRAWATI B/B	-	0	938	0.0	14.1	-14.1
2	HVDC	RAIGARH-PUGALUR	2	0	598	0.0	6.6	-6.6
3	765 kV	SOLAPUR-RAICHUR	2	362	1976	0.0	20.2	-20.2
4	765 kV	WARDHA-NIZAMABAD	2	0	2532	0.0	42.5	-42.5
5	400 kV	KOLHAPUR-KUDGI	2	581	0	6.6	0.0	6.6
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	8.1	83.4	-75.3

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)	779	0	744	17.9
	ER	400kV TALA-BINAGURI 1,2,4 (& 400kV MALBASE - BINAGURI) i.e. BINAGURI RECEIPT (from TALA HEP (6*170MW)	1075	1010	1067	25.6
	ER	220kV CHUKHA-BIRPARA 1&2 (& 220kV MALBASE - BIRPARA) i.e. BIRPARA RECEIPT (from CHUKHA HEP 4*84MW)	375	0	341	8.2
	NER	132KV-GEYLEGPHU - SALAKATI	72	45	-53	-1.3
	NER	132kV Motanga-Rangia	56	30	56	-1.4
NEPAL	NR	132KV-TANAKPUR(NH) - MAHENDRANAGAR(PG)	0	0	0	-0.7
	ER	132KV-BIHAR - NEPAL	-75	-1	-28	-0.7
	ER	220KV-MUZAFFARPUR - DHALKEBAR DC	-166	-2	-53	-1.3
BANGLADESH	ER	BHERAMARA HVDC(BANGLADESH)	-966	-946	-965	-23.2
	NER	132KV-SURAJMANI NAGAR - COMILLA(BANGLADESH)-1	75	0	-69	-1.7
	NER	132KV-SURAJMANI NAGAR - COMILLA(BANGLADESH)-2	75	0	-69	-1.7