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: 27th 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 26.08.2020.

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 26-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 26th 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:** **27-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)	57687	41912	38664	21128	2967	162358
Peak Shortage (MW)	317	0	0	0	108	425
Energy Met (MU)	1281	970	936	436	57	3679
Hydro Gen (MU)	348	89	143	143	23	747
Wind Gen (MU)	46	128	52	-	-	226
Solar Gen (MU)*	27.31	22.62	87.16	4.40	0.10	142
Energy Shortage (MU)	1.1	0.0	0.0	0.0	1.6	2.7
Maximum Demand Met During the Day (MW) (From NLDC SCADA)	59110	42303	44099	21198	3014	162739
Time Of Maximum Demand Met (From NLDC SCADA)	20:30	09:51	09:25	19:46	19:35	19:48

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	0.036	0.10	1.48	5.89	7.48	84.35	8.17

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	11018	0	251.0	145.4	-2.1	54	0.0
	Haryana	8552	0	182.6	177.9	3.5	295	0.6
	Rajasthan	9515	0	207.3	72.4	-1.2	442	0.0
	Delhi	4866	0	100.5	87.7	-1.1	106	0.0
	UP	21047	0	425.0	213.1	-1.2	370	0.1
	Uttarakhand	1849	0	40.3	16.4	1.1	259	0.5
	HP	1428	0	31.4	-4.3	-1.1	21	0.0
	J&K(UT) & Ladakh(UT)	2068	0	37.6	19.2	1.3	699	0.0
	Chandigarh	281	0	5.7	5.4	0.2	26	0.0
WR	Chhattisgarh	3610	0	83.5	22.4	-1.1	220	0.0
	Gujarat	11562	0	255.3	58.4	1.6	521	0.0
	MP	8525	0	193.7	101.1	-0.2	565	0.0
	Maharashtra	18110	0	389.1	148.5	-1.9	2473	0.0
	Goa	421	0	9.0	8.5	-0.1	68	0.0
	DD	287	0	6.2	6.2	0.0	130	0.0
	DNH	701	0	16.2	16.0	0.2	173	0.0
	AMNSIL	761	0	17.2	1.5	0.3	299	0.0
SR	Andhra Pradesh	7967	0	171.5	57.4	1.5	631	0.0
	Telangana	10212	0	203.4	88.5	-0.6	409	0.0
	Karnataka	9623	0	182.7	70.2	1.6	645	0.0
	Kerala	3475	0	71.4	47.9	0.1	196	0.0
	Tamil Nadu	13604	0	299.4	163.0	0.7	1120	0.0
	Puducherry	375	0	7.6	7.8	-0.2	22	0.0
ER	Bihar	5880	0	112.9	109.1	-2.7	343	0.0
	DVC	2937	0	63.8	-42.1	0.5	367	0.0
	Jharkhand	1469	0	26.8	19.6	-1.3	149	0.0
	Odisha	3880	0	76.3	0.6	-0.4	462	0.0
	West Bengal	7546	0	154.9	54.3	-0.2	566	0.0
	Sikkim	79	0	1.0	1.2	-0.2	10	0.0
NER	Arunachal Pradesh	118	1	2.2	1.7	0.6	35	0.0
	Assam	1954	97	37.0	32.4	0.6	117	1.5
	Manipur	184	1	2.9	2.6	0.4	26	0.0
	Meghalaya	315	0	5.7	0.3	0.1	44	0.0
	Mizoram	91	1	1.8	1.2	0.4	13	0.0
	Nagaland	127	1	2.4	2.4	-0.2	13	0.0
	Tripura	283	2	4.7	5.7	-0.4	33	0.0

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

	Bhutan	Nepal	Bangladesh
Actual (MU)	50.2	-2.1	-26.0
Day Peak (MW)	2359.0	-272.8	-1108.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	312.3	-319.7	129.7	-125.9	3.7	0.0
Actual(MU)	311.7	-342.5	146.2	-128.4	5.7	-7.3
O/D/U/D(MU)	-0.6	-22.8	16.6	-2.5	2.0	-7.3

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	TOTAL
Central Sector	5242	16758	9202	2155	610	33967
State Sector	13989	25159	12772	5232	11	56663
Total	19231	41917	21974	7387	621	90630

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Coal	471	998	386	453	7	2315
Lignite	23	8	31	0	0	62
Hydro	348	89	143	143	23	747
Nuclear	27	32	60	0	0	119
Gas, Naptha & Diesel	29	49	15	0	26	119
RES (Wind, Solar, Biomass & Others)	96	151	166	4	0	417
Total	994	1327	800	601	56	3779
Share of RES in total generation (%)	9.61	11.40	20.68	0.74	0.18	11.03
Share of Non-fossil fuel (Hydro,Nuclear and RES) in total generation(%)	47.33	20.53	46.10	24.57	41.70	33.95

H. All India Demand Diversity Factor

Based on Regional Max Demands	1.043
Based on State Max Demands	1.074

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-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	1004	0.0	23.8	-23.8
2	HVDC	PUSAULI B/B	-	0	196	0.0	4.8	-4.8
3	765 kV	GAYA-VARANASI	2	0	554	0.0	9.1	-9.1
4	765 kV	SASARAM-FATEHPUR	1	191	78	1.5	0.0	1.5
5	765 kV	GAYA-BALIA	1	0	539	0.0	10.2	-10.2
6	400 kV	PUSAULI-VARANASI	1	0	201	0.0	4.2	-4.2
7	400 kV	PUSAULI -ALLAHABAD	1	1	48	0.0	0.4	-0.4
8	400 kV	MUZAFFARPUR-GORAKHPUR	2	0	693	0.0	12.3	-12.3
9	400 kV	PATNA-BALIA	4	0	906	0.0	17.8	-17.8
10	400 kV	BIHARSHARIFF-BALIA	2	0	437	0.0	8.0	-8.0
11	400 kV	MOTIHARI-GORAKHPUR	2	0	324	0.0	5.4	-5.4
12	400 kV	BIHARSHARIFF-VARANASI	2	24	199	0.0	1.6	-1.6
13	220 kV	PUSAULI-SAHUPURI	1	0	192	0.0	3.0	-3.0
14	132 kV	SONE NAGAR-RIHAND	1	0	0	0.0	0.0	0.0
15	132 kV	GARWAH-RIHAND	1	30	0	0.6	0.0	0.6
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	2.2	100.7	-98.5
Import/Export of ER (With WR)								
1	765 kV	JHARSUGUDA-DHARAMJAIGARH	4	1099	0	12.0	0.0	12.0
2	765 kV	NEW RANCHI-DHARAMJAIGARH	2	1241	0	20.3	0.0	20.3
3	765 kV	JHARSUGUDA-DURG	2	51	151	0.0	1.2	-1.2
4	400 kV	JHARSUGUDA-RAIGARH	4	320	86	3.2	0.0	3.2
5	400 kV	RANCHI-SIPAT	2	433	0	7.8	0.0	7.8
6	220 kV	BUDHIPADAR-RAIGARH	1	12	91	0.0	0.8	-0.8
7	220 kV	BUDHIPADAR-KORBA	2	184	0	3.2	0.0	3.2
					ER-WR	46.4	2.0	44.4
Import/Export of ER (With SR)								
1	HVDC	JEYPORE-GAZUWAKA B/B	2	0	379	0.0	8.7	-8.7
2	HVDC	TALCHER-KOLAR BIPOLE	2	0	1988	0.0	42.1	-42.1
3	765 kV	ANGUL-SRIKAKULAM	2	0	2922	0.0	47.8	-47.8
4	400 kV	TALCHER-I/C	2	170	930	0.0	5.7	-5.7
5	220 kV	BALIMELA-UPPER-SILERRU	1	1	0	0.0	0.0	0.0
					ER-SR	0.0	98.5	-98.5
Import/Export of ER (With NER)								
1	400 kV	BINAGURI-BONGAIGAON	2	0	553	0.0	7.0	-7.0
2	400 kV	ALIPURDUAR-BONGAIGAON	2	0	557	0.0	5.4	-5.4
3	220 kV	ALIPURDUAR-SALAKATI	2	0	156	0.0	2.4	-2.4
					ER-NER	0.0	14.8	-14.8
Import/Export of NER (With NR)								
1	HVDC	BISWANATH CHARIALI-AGRA	2	0	553	0.0	12.0	-12.0
					NER-NR	0.0	12.0	-12.0
Import/Export of WR (With NR)								
1	HVDC	CHAMPA-KURUKSHETRA	2	0	1755	0.0	49.4	-49.4
2	HVDC	VINDHYACHAL B/B	-	445	0	10.1	0.0	10.1
3	HVDC	MUNDRA-MOHINDERGARH	2	0	1921	0.0	34.8	-34.8
4	765 kV	GWALIOR-AGRA	2	0	2609	0.0	49.9	-49.9
5	765 kV	PHAGI-GWALIOR	2	0	1483	0.0	26.0	-26.0
6	765 kV	JABALPUR-ORAI	2	0	1003	0.0	37.6	-37.6
7	765 kV	GWALIOR-ORAI	1	461	0	9.4	0.0	9.4
8	765 kV	SATNA-ORAI	1	0	1522	0.0	32.8	-32.8
9	765 kV	CHITORGARH-BANASKANTHA	2	0	1089	0.0	15.9	-15.9
10	400 kV	ZERDA-KANKROLI	1	102	153	0.0	0.8	-0.8
11	400 kV	ZERDA -BHINMAL	1	345	81	3.3	0.0	3.3
12	400 kV	VINDHYACHAL -RIHAND	1	972	0	22.7	0.0	22.7
13	400 kV	RAPP-SHUJALPUR	2	75	416	0.0	5.2	-5.2
14	220 kV	BHANPURA-RANPUR	1	11	0	0.0	1.4	-1.4
15	220 kV	BHANPURA-MORAK	1	0	100	0.0	1.5	-1.5
16	220 kV	MEHGAON-AURAIYA	1	85	15	0.1	0.5	-0.4
17	220 kV	MALANPUR-AURAIYA	1	51	45	0.4	0.0	0.4
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	46.0	255.6	-209.7
Import/Export of WR (With SR)								
1	HVDC	BHADRAWATI B/B	-	0	674	0.0	12.0	-12.0
2	HVDC	RAIGARH-PUGALUR	2	0	1498	0.0	23.1	-23.1
3	765 kV	SOLAPUR-RAICHUR	2	754	2040	0.0	18.3	-18.3
4	765 kV	WARDHA-NIZAMABAD	2	0	2845	0.0	40.5	-40.5
5	400 kV	KOLHAPUR-KUDGI	2	452	0	6.0	0.0	6.0
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	1	80	1.4	0.0	1.4
					WR-SR	7.4	93.9	-86.5

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)	766	0	667	16.0
	ER	400kV TALA-BINAGURI 1,2,4 (& 400kV MALBASE - BINAGURI) i.e. BINAGURI RECEIPT (from TALA HEP (6*170MW)	1096	0	1054	25.3
	ER	220kV CHUKHA-BIRPARA 1&2 (& 220kV MALBASE - BIRPARA) i.e. BIRPARA RECEIPT (from CHUKHA HEP 4*84MW)	376	0	285	6.8
	NER	132KV-GEYLEGPHU - SALAKATI	60	-19	-45	-1.1
	NER	132kV Motanga-Rangia	61	24	-43	-1.0
NEPAL	NR	132KV-TANAKPUR(NH) - MAHENDRANAGAR(PG)	-50	0	-16	-0.4
	ER	132KV-BIHAR - NEPAL	-61	-1	-15	-0.4
	ER	220KV-MUZAFFARPUR - DHALKEBAR DC	-162	-2	-58	-1.4
	ER	BHERAMARA HVDC(BANGLADESH)	-950	-945	-949	-22.8

BANGLADESH	NER	132KV-SURAJMANI NAGAR - COMILLA(BANGLADESH)-1	80	0	-67	-1.6
	NER	132KV-SURAJMANI NAGAR - COMILLA(BANGLADESH)-2	78	0	-67	-1.6