



**National Load Despatch Centre**  
**राष्ट्रीय भार प्रेषण केंद्र**  
**POWER SYSTEM OPERATION CORPORATION LIMITED**  
**पावर 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: 25<sup>th</sup> 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., डोंगतिह, 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 24.08.2020.**

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.5.5.1 के प्रावधान के अनुसार, दिनांक 24-अगस्त-2020 की अखिल भारतीय प्रणाली की दैनिक ग्रिड निष्पादन रिपोर्ट रा०भा०प्रे०के० की वेबसाइट पर उपलब्ध 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 24<sup>th</sup> 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: 25-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)	55895	39505	37990	21446	2929	157765
Peak Shortage (MW)	0	0	0	0	10	10
Energy Met (MU)	1212	916	875	442	54	3499
Hydro Gen (MU)	349	81	131	143	24	729
Wind Gen (MU)	19	181	68	-	-	268
Solar Gen (MU)*	32.50	16.12	85.27	4.60	0.06	139
Energy Shortage (MU)	0.2	0.0	0.0	0.0	0.0	0.2
Maximum Demand Met During the Day (MW) (From NLDC SCADA)	57518	40239	40773	21391	2966	158478
Time Of Maximum Demand Met (From NLDC SCADA)	22:33	19:20	10:14	21:08	19:37	19:43

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	0.16	3.62	3.78	80.27	15.95

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	10466	0	234.2	144.9	-1.4	94	0.0
	Haryana	8401	0	172.6	166.5	0.5	248	0.0
	Rajasthan	9193	0	205.1	81.0	-3.9	350	0.0
	Delhi	4474	0	96.1	84.0	-0.7	129	0.0
	UP	21011	0	387.6	189.5	1.4	547	0.2
	Uttarakhand	1781	0	39.3	16.6	0.8	153	0.0
	HP	1324	0	27.7	-4.8	-1.2	42	0.0
	J&K(UT) & Ladakh(UT)	2181	0	44.2	25.3	0.9	317	0.0
	Chandigarh	269	0	5.3	5.2	0.1	45	0.0
	Chhattisgarh	3718	0	85.9	26.7	-0.2	224	0.0
WR	Gujarat	11214	0	243.4	44.7	1.9	1030	0.0
	MP	8127	0	175.5	77.0	-0.9	398	0.0
	Maharashtra	16995	0	365.1	134.0	0.4	827	0.0
	Goa	390	0	8.0	7.4	-0.1	46	0.0
	DD	289	0	6.1	5.9	0.2	44	0.0
	DNH	702	0	15.8	15.7	0.1	42	0.0
	AMNSIL	737	0	16.5	1.4	0.1	240	0.0
SR	Andhra Pradesh	7652	0	163.6	57.3	1.8	846	0.0
	Telangana	9059	0	183.5	69.1	0.9	810	0.0
	Karnataka	8735	0	163.8	60.7	2.8	587	0.0
	Kerala	3351	0	68.4	45.7	0.5	170	0.0
	Tamil Nadu	13149	0	287.7	155.1	-2.7	433	0.0
	Puducherry	372	0	7.8	8.0	-0.3	63	0.0
ER	Bihar	5573	0	110.0	104.6	-0.7	436	0.0
	DVC	2859	0	63.1	-40.2	0.4	218	0.0
	Jharkhand	1439	0	26.1	18.5	-1.3	139	0.0
	Odisha	4388	0	84.8	17.2	-0.9	338	0.0
	West Bengal	7688	0	156.7	59.8	3.2	537	0.0
NER	Sikkim	80	0	1.0	1.1	-0.2	6	0.0
	Arunachal Pradesh	111	1	2.0	1.6	0.4	23	0.0
	Assam	1932	20	35.4	31.1	0.4	108	0.0
	Manipur	186	2	2.6	2.5	0.1	38	0.0
	Meghalaya	314	0	5.8	0.2	0.0	27	0.0
	Mizoram	90	1	1.6	1.1	0.4	36	0.0
	Nagaland	126	2	2.2	2.5	-0.4	45	0.0
	Tripura	298	2	4.8	5.7	0.1	21	0.0

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

	Bhutan	Nepal	Bangladesh
Actual (MU)	54.6	-1.6	-25.6
Day Peak (MW)	2314.0	-229.3	-1089.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	309.2	-323.3	106.3	-94.2	2.0	0.0
Actual(MU)	290.9	-341.5	131.7	-90.3	3.6	-5.6
O/D/U/D(MU)	-18.3	-18.2	25.4	3.9	1.5	-5.6

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	TOTAL
Central Sector	5122	16708	10162	2155	610	34757
State Sector	13534	29222	14412	5942	11	63121
Total	18656	45929	24574	8097	621	97877

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Coal	433	907	340	426	7	2113
Lignite	27	8	22	0	0	58
Hydro	349	81	131	143	24	729
Nuclear	26	32	57	0	0	115
Gas, Naptha & Diesel	33	47	15	0	26	121
RES (Wind, Solar, Biomass & Others)	70	197	185	5	0	457
Total	939	1272	750	574	57	3592
Share of RES in total generation (%)	7.46	15.51	24.68	0.81	0.11	12.73
Share of Non-fossil fuel (Hydro,Nuclear and RES) in total generation(%)	47.49	24.36	49.80	25.75	42.12	36.22

H. All India Demand Diversity Factor

Based on Regional Max Demands	1.028
Based on State Max Demands	1.064

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: 25-Aug-2020

Sl No	Voltage Level	Line Details	No. of Circuit	Max Import (MW)	Max Export (MW)	Import (MU)	Export (MU)	NET (MU)	
<b>Import/Export of ER (With NR)</b>									
1	HVDC	ALIPURDUAR-AGRA	2	0	1003	0.0	24.5	-24.5	
2	HVDC	PUSAULI B/B	-	0	199	0.0	4.8	-4.8	
3	765 kV	GAYA-VARANASI	2	0	483	0.0	7.1	-7.1	
4	765 kV	SASARAM-FATEHPUR	1	184	0	2.4	0.0	2.4	
5	765 kV	GAYABALLIA	1	0	485	0.0	8.4	-8.4	
6	400 kV	PUSAULI-VARANASI	1	0	186	0.0	4.1	-4.1	
7	400 kV	PUSAULI-ALLAHABAD	1	0	54	0.0	0.7	-0.7	
8	400 kV	MUZAFFARPUR-GORAKHPUR	2	0	638	0.0	11.6	-11.6	
9	400 kV	PATNA-BALLIA	4	0	784	0.0	13.2	-13.2	
10	400 kV	BIHARSHARIFF-BALLIA	2	0	315	0.0	4.9	-4.9	
11	400 kV	MOTIHARI-GORAKHPUR	2	0	325	0.0	5.2	-5.2	
12	400 kV	BIHARSHARIFF-VARANASI	2	84	64	0.2	0.0	0.2	
13	220 kV	PUSAULI-SAHUPURI	1	0	139	0.0	2.4	-2.4	
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	3.3	87.0	-83.7
<b>Import/Export of ER (With WR)</b>									
1	765 kV	JHARSUGUDA-DHARAMJAIGARH	4	1272	0	19.8	0.0	19.8	
2	765 kV	NEW RANCHI-DHARAMJAIGARH	2	1225	0	23.0	0.0	23.0	
3	765 kV	JHARSUGUDA-DURG	2	136	76	0.9	0.0	0.9	
4	400 kV	JHARSUGUDA-RAIGARH	4	203	75	1.7	0.0	1.7	
5	400 kV	RANCHI-SIPAT	2	428	0	8.1	0.0	8.1	
6	220 kV	BUDHIPADAR-RAIGARH	1	3	127	0.0	1.3	-1.3	
7	220 kV	BUDHIPADAR-KORBA	2	160	0	2.3	0.0	2.3	
						ER-WR	55.8	1.3	54.5
<b>Import/Export of ER (With SR)</b>									
1	HVDC	JEYPORE-GAZUWAKA B/B	2	0	336	0.0	7.6	-7.6	
2	HVDC	TALCHER-KOLAR BIPOLE	2	0	1724	0.0	29.8	-29.8	
3	765 kV	ANGUL-SRIKAKULAM	2	0	2688	0.0	50.8	-50.8	
4	400 kV	TALCHER-I/C	2	1029	632	0.0	10.8	0.0	
5	220 kV	BALIMELA-UPPER-SILERRU	1	1	0	0.0	0.0	0.0	
						ER-SR	0.0	88.1	-88.1
<b>Import/Export of ER (With NER)</b>									
1	400 kV	BINAGURI-BONGAIGAON	2	0	457	0.0	6.0	-6.0	
2	400 kV	ALIPURDUAR-BONGAIGAON	2	0	564	0.0	7.4	-7.4	
3	220 kV	ALIPURDUAR-SALAKATI	2	0	141	0.0	2.3	-2.3	
						ER-NER	0.0	15.7	-15.7
<b>Import/Export of NER (With NR)</b>									
1	HVDC	BISWANATH CHARIALI-AGRA	2	0	604	0.0	14.6	-14.6	
						NER-NR	0.0	14.6	-14.6
<b>Import/Export of WR (With NR)</b>									
1	HVDC	CHAMPA-KURUKSHETRA	2	0	1001	0.0	28.3	-28.3	
2	HVDC	VINDHYACHAL B/B	-	447	0	12.1	0.0	12.1	
3	HVDC	MUNDRA-MOHINDERGARH	2	0	1456	0.0	25.6	-25.6	
4	765 kV	GWALIOR-AGRA	2	0	2753	0.0	53.1	-53.1	
5	765 kV	PHAGI-GWALIOR	2	0	1322	0.0	27.4	-27.4	
6	765 kV	JABALPUR-ORAI	2	0	1007	0.0	39.4	-39.4	
7	765 kV	GWALIOR-ORAI	1	420	0	8.7	0.0	8.7	
8	765 kV	SAINA-ORAI	1	0	1540	0.0	33.3	-33.3	
9	765 kV	CHITORGARH-BANASKANTHA	2	0	1191	0.0	20.7	-20.7	
10	400 kV	ZERDA-KANKROLI	1	0	209	0.0	2.6	-2.6	
11	400 kV	ZERDA-BHINMAL	1	193	283	0.0	2.4	-2.4	
12	400 kV	VINDHYACHAL -RIHAND	1	972	0	23.1	0.0	23.1	
13	400 kV	RAPP-SHUJALPUR	2	0	517	0.0	8.5	-8.5	
14	220 kV	BHANPURA-RANPUR	1	11	0	0.0	1.5	-1.5	
15	220 kV	BHANPURA-MORAK	1	0	139	0.0	1.4	-1.4	
16	220 kV	MEHGAON-AURAIYA	1	73	20	0.1	0.6	-0.5	
17	220 kV	MALANPUR-AURAIYA	1	39	51	0.3	0.1	0.2	
18	132 kV	GWALIOR-SAWAI MADHOPUR	1	0	0	0.0	0.0	0.0	
19	132 kV	RAIGHAT-LALITPUR	2	0	0	0.0	0.0	0.0	
						WR-NR	44.3	244.8	-200.6
<b>Import/Export of WR (With SR)</b>									
1	HVDC	BHADRAWATI B/B	-	0	403	0.0	9.7	-9.7	
2	HVDC	RAIGARH-PUGALUR	2	0	1641	0.0	20.8	-20.8	
3	765 kV	SOLAPUR-RAICHUR	2	511	1834	0.0	21.7	-21.7	
4	765 kV	WARDHA-NIZAMABAD	2	0	2477	0.0	40.0	-40.0	
5	400 kV	KOLHAPUR-KUDGI	2	557	0	6.1	0.0	6.1	
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	80	1.4	0.0	1.4	
						WR-SR	7.5	92.1	-84.6

INTERNATIONAL EXCHANGES

State	Region	Line Name	Max (MW)	Min (MW)	Avg (MW)	Energy Exchange (MU)
BHUTAN	ER	400KV MANGDECHHU-ALIPURDUAR I&2 i.e. ALIPURDUAR RECEIPT (from MANGDECHHU HEP 4*180MW)	777	0	758	18.2
	ER	400KV TALA-BINAGURI I,2,4 (& 400KV MALBASE - BINAGURI) i.e. BINAGURI RECEIPT (from TALA HEP (6*170MW)	1027	1016	1027	25.7
	ER	230KV CHUKHA-BIRPARA I&2 (& 220KV MALBASE - BIRPARA) i.e. BIRPARA RECEIPT (from CHUKHA HEP 4*84MW)	373	0	337	8.1
	NER	132KV-GEYLEGPHU - SALAKATI	72	46	-55	-1.3
	NER	132KV Motanga-Rangia	65	-19	-53	-1.3
NEPAL	NR	132KV-TANAKPUR(NH) - MAHENDRANAGAR(PG)	-50	0	-19	-0.5
	ER	132KV-BIHAR - NEPAL	-3	-1	-3	-0.1
	ER	220KV-MUZAFFARPUR - DHALKEBAR DC	-176	-4	-47	-1.1
BANGLADESH	ER	BHERAMARA HVDC(BANGLADESH)	-947	-926	-930	-22.3
	NER	132KV-SURAJMANI NAGAR - COMILLA(BANGLADESH)-1	71	0	-69	-1.7

	NER	132KV-SURAJMANI NAGAR - COMILLA(BANGLADESH)-2	71	0	-69	-1.7
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