



**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: 10<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 09.08.2020.**

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.5.5.1 के प्रावधान के अनुसार, दिनांक 09-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 09<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: 10-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)	57784	40852	33918	20840	2743	156137
Peak Shortage (MW)	550	0	0	0	6	556
Energy Met (MU)	1371	956	838	452	52	3668
Hydro Gen (MU)	348	22	111	146	25	652
Wind Gen (MU)	14	110	150	-	-	274
Solar Gen (MU)*	33.35	14.90	46.24	4.31	0.04	99
Energy Shortage (MU)	1.7	0.0	0.0	0.0	0.1	1.8
Maximum Demand Met During the Day (MW) (From NLDC SCADA)	63301	41013	39470	21556	2733	160313
Time Of Maximum Demand Met (From NLDC SCADA)	22:24	09:47	09:36	22:55	19:05	00:06

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	0.033	0.00	0.20	6.78	6.98	79.02	14.00

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	12224	0	276.9	142.0	-1.4	53	0.0
	Haryana	9406	0	210.7	185.4	1.9	353	1.7
	Rajasthan	9926	0	221.6	80.9	-3.4	375	0.0
	Delhi	5610	0	107.3	95.8	-2.2	314	0.0
	UP	22238	0	439.4	222.8	-0.5	454	0.0
	Uttarakhand	1803	0	37.6	18.6	-0.7	111	0.0
	HP	1335	0	28.3	-5.8	0.2	203	0.0
	J&K(UT) & Ladakh(UT)	2217	0	43.1	17.6	-0.4	117	0.0
	Chandigarh	295	0	6.0	5.5	0.5	46	0.0
	Chhattisgarh	3868	0	90.4	35.2	-2.0	232	0.0
WR	Gujarat	11587	0	259.2	62.4	1.5	628	0.0
	MP	8615	0	196.4	114.1	-3.4	287	0.0
	Maharashtra	16507	0	364.2	126.4	-1.2	596	0.0
	Goa	363	0	7.8	7.5	-0.1	105	0.0
	DD	219	0	5.0	4.9	0.1	19	0.0
	DNH	627	0	14.3	14.3	0.0	31	0.0
	AMNSIL	813	0	18.3	7.6	0.4	244	0.0
	Andhra Pradesh	8045	0	168.7	49.4	1.1	893	0.0
	Telangana	12908	0	250.3	131.6	-0.3	765	0.0
	Karnataka	7082	0	137.9	29.5	-1.3	510	0.0
SR	Kerala	2497	0	51.1	29.7	-0.1	154	0.0
	Tamil Nadu	10374	0	222.7	81.3	-5.1	837	0.0
	Puducherry	314	0	6.8	7.1	-0.3	35	0.0
	Bihar	5507	0	113.9	102.6	3.5	314	0.0
	DVC	2918	0	65.2	-42.5	0.3	296	0.0
	Jharkhand	1487	0	26.6	22.9	-1.4	140	0.0
	Odisha	4299	0	83.0	9.3	0.1	355	0.0
	West Bengal	7983	0	162.6	45.9	0.3	571	0.0
	Sikkim	61	0	0.7	1.1	-0.4	3	0.0
	NER	Arunachal Pradesh	107	2	1.9	1.8	0.0	21
Assam		1790	21	33.6	29.1	1.1	106	0.0
Manipur		179	2	2.2	2.5	-0.3	37	0.0
Meghalaya		287	0	5.2	-0.1	-0.2	16	0.0
Mizoram		90	1	1.5	1.2	0.1	16	0.0
Nagaland		120	2	2.1	2.4	-0.5	30	0.0
Tripura		296	2	5.1	6.4	0.2	58	0.0

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

	Bhutan	Nepal	Bangladesh
Actual (MU)	54.1	-2.9	-25.9
Day Peak (MW)	2408.0	-219.3	-1110.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	352.8	-331.0	89.2	-111.9	1.0	0.0
Actual(MU)	355.7	-344.3	77.3	-97.5	0.9	-7.8
O/D/U/D(MU)	3.0	-13.3	-11.9	14.4	0.0	-7.8

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	TOTAL
Central Sector	5619	15032	11962	3265	610	36487
State Sector	10469	23194	15218	5452	47	54380
Total	16088	38226	27180	8717	656	90867

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Coal	533	1062	325	435	7	2362
Lignite	0	0	0	0	0	0
Hydro	348	22	111	146	25	652
Nuclear	21	33	48	0	0	102
Gas, Naptha & Diesel	45	54	14	0	25	137
RES (Wind, Solar, Biomass & Others)	67	144	249	4	0	466
Total	1038	1324	777	585	56	3780
Share of RES in total generation (%)	6.50	10.91	32.09	0.74	0.07	12.32
Share of Non-fossil fuel (Hydro,Nuclear and RES) in total generation(%)	42.11	15.02	52.53	25.61	44.52	32.25

H. All India Demand Diversity Factor

Based on Regional Max Demands	1.048
Based on State Max Demands	1.085

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: 10-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	1301	0.0	32.1	-32.1	
2	HVDC	PUSAULI B/B	-	0	399	0.0	9.8	-9.8	
3	765 kV	GAYALYARANASI	2	0	562	0.0	8.6	-8.6	
4	765 kV	SASARAM-FATEHPUR	1	294	0	4.3	0.0	4.3	
5	765 kV	GAYA-BALIA	1	0	513	0.0	5.2	-5.2	
6	400 kV	PUSAULI-VARANASI	1	0	293	0.0	6.5	-6.5	
7	400 kV	PUSAULI-ALLAHABAD	1	0	151	0.0	3.0	-3.0	
8	400 kV	MUZAFFARPUR-GORAKHPUR	2	0	524	0.0	9.0	-9.0	
9	400 kV	PATNA-BALIA	4	0	671	0.0	17.7	-17.7	
10	400 kV	BIHARSHARIFF-BALIA	2	0	279	0.0	4.7	-4.7	
11	400 kV	MOTIHARI-GORAKHPUR	2	0	325	0.0	5.5	-5.5	
12	400 kV	BIHARSHARIFF-VARANASI	2	164	13	1.7	0.0	1.7	
13	220 kV	PUSAULI-SAHUPURI	1	0	128	0.0	2.3	-2.3	
14	132 kV	SONE NAGAR-RIHAND	1	0	0	0.0	0.0	0.0	
15	132 kV	GARWAH-RIHAND	1	30	0	0.5	0.0	0.5	
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	6.5	104.3	-97.9
<b>Import/Export of ER (With WR)</b>									
1	765 kV	JHARSUGUDA-DHARAMJAIGARH	4	1392	0	21.2	0.0	21.2	
2	765 kV	NEW RANCHI-DHARAMJAIGARH	2	1562	0	23.3	0.0	23.3	
3	765 kV	JHARSUGUDA-DURG	2	240	0	3.1	0.0	3.1	
4	400 kV	JHARSUGUDA-RAIGARH	4	251	55	2.9	0.0	2.9	
5	400 kV	RANCHI-SIPAT	2	555	0	8.2	0.0	8.2	
6	220 kV	BUDHIPADAR-RAIGARH	1	0	91	0.0	1.0	-1.0	
7	220 kV	BUDHIPADAR-KORBA	2	202	0	3.6	0.0	3.6	
						ER-WR	62.2	1.0	61.2
<b>Import/Export of ER (With SR)</b>									
1	HVDC	JEYPORE-GAZUWAKA B/B	2	0	542	0.0	12.5	-12.5	
2	HVDC	TALCHER-KOLAR BIPOLE	2	0	1996	0.0	39.2	-39.2	
3	765 kV	ANGUL-SRIKAKULAM	2	0	2335	0.0	34.7	-34.7	
4	400 kV	TALCHER-I/C	2	295	613	0.0	5.2	-5.2	
5	220 kV	BALMELA-UPPER-SILERRU	1	1	0	0.0	0.0	0.0	
						ER-SR	86.3	0.0	-86.3
<b>Import/Export of ER (With NER)</b>									
1	400 kV	BINAGURI-BONGAIGAON	2	0	469	0.0	6.9	-6.9	
2	400 kV	ALIPURDUAR-BONGAIGAON	2	0	498	0.0	6.6	-6.6	
3	220 kV	ALIPURDUAR-SALAKATI	2	0	139	0.0	2.3	-2.3	
						ER-NER	0.0	15.9	-15.9
<b>Import/Export of NER (With NR)</b>									
1	HVDC	BISWANATH CHARIALI-AGRA	2	0	704	0.0	17.2	-17.2	
						NER-NR	0.0	17.2	-17.2
<b>Import/Export of WR (With NR)</b>									
1	HVDC	CHAMPA-KURUKSHETRA	2	0	1503	0.0	58.6	-58.6	
2	HVDC	VINDHYACHAL B/B	-	270	401	4.2	3.0	1.2	
3	HVDC	MUNDRAM-SOHNERGARH	2	0	1921	0.0	44.2	-44.2	
4	765 kV	GWALIOR-AGRA	2	0	3152	0.0	54.0	-54.0	
5	765 kV	PHAGI-GWALIOR	2	0	1254	0.0	23.1	-23.1	
6	765 kV	JABALPUR-ORAI	2	0	1164	0.0	41.5	-41.5	
7	765 kV	GWALIOR-ORAI	1	355	0	7.3	0.0	7.3	
8	765 kV	SATNA-ORAI	1	0	1632	0.0	33.4	-33.4	
9	765 kV	CHITORGARH-BANASKANTHA	2	0	1247	0.0	17.2	-17.2	
10	400 kV	ZERDA-KANKROLI	1	9	206	0.0	1.9	-1.9	
11	400 kV	ZERDA-BHINMAL	1	28	293	0.0	2.1	-2.1	
12	400 kV	VINDHYACHAL-RIHAND	1	980	0	22.6	0.0	22.6	
13	400 kV	RAPP-SHULALPUR	2	0	515	0.0	7.3	-7.3	
14	220 kV	BHANPURA-RANPUR	1	11	0	0.0	1.9	-1.9	
15	220 kV	BHANPURA-MORAK	1	0	115	0.0	2.0	-2.0	
16	220 kV	MEHGAON-AURAIYA	1	89	0	0.3	0.1	0.2	
17	220 kV	MALANPUR-AURAIYA	1	54	31	0.9	0.9	0.0	
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	35.2	290.2	-255.1
<b>Import/Export of WR (With SR)</b>									
1	HVDC	BHADRAWATI B/B	-	0	779	0.0	10.6	-10.6	
2	HVDC	RAIGARH-PUGALUR	2	0	0	0.0	0.0	0.0	
3	765 kV	SOLAPUR-RAICHUR	2	1085	1371	5.4	3.9	1.5	
4	765 kV	WARDHA-NIZAMABAD	2	0	2779	0.0	37.4	-37.4	
5	400 kV	KOLHAPUR-KUDGI	2	1122	0	17.2	0.0	17.2	
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	84	1.5	0.0	1.5	
						WR-SR	24.0	51.9	-27.8
<b>INTERNATIONAL EXCHANGES</b>									
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 MANGDECHHU HEP 4*180MW)	765	758	758	18.2			
	ER	400KV TALA-BINAGURI 1,2,3 (& 400KV MALBASE - BINAGURI) i.e. BINAGURI RECEIPT (from TALA HEP (6*170MW))	1155	0	1063	25.5			
	ER	220KV CHUKHA-BIRPARA 1&2 (& 220KV MALBASE - BIRPARA) i.e. BIRPARA RECEIPT (from CHUKHA HEP 4*84MW)	358	0	331	8.0			
	NER	132KV-GEYLEGPHU - SALAKATI	65	44	-57	-1.4			
	NER	132KV Motanga-Rangia	65	33	-43	-1.0			
NEPAL	NR	132KV-TANAKPUR(NH) - MAHENDRANAGAR(PG)	-61	0	-40	-1.0			
	ER	132KV-BIHAR - NEPAL	62	12	22	0.5			
BANGLADESH	ER	220KV-MUZAFFARPUR - DHALKEBAR DC	-220	-28	-101	-2.4			
	ER	BHERAMARA HVDC(BANGLADESH)	-937	-923	-929	-22.3			
	NER	132KV-SURAJMANI NAGAR - COMILLA(BANGLADESH)-1	87	0	-75	-1.8			
	NER	132KV-SURAJMANI NAGAR - COMILLA(BANGLADESH)-2	86	0	-75	-1.8			