



**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: 07<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., डोंगतेह, 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 06.08.2020.**

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 06-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 06<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:

07-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)	57137	41899	37754	21031	2825	160646
Peak Shortage (MW)	0	0	0	0	5	5
Energy Met (MU)	1320	958	851	408	56	3593
Hydro Gen (MU)	349	26	125	135	27	662
Wind Gen (MU)	22	82	197	-	-	301
Solar Gen (MU)*	34.56	16.20	61.06	4.32	0.04	116
Energy Shortage (MU)	0.3	0.0	0.0	0.0	0.0	0.3
Maximum Demand Met During the Day (MW) (From NLDC SCADA)	61602	41505	41185	20502	2797	160114
Time Of Maximum Demand Met (From NLDC SCADA)	00:00	19:36	09:27	20:22	20:02	19:47

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	0.030	0.00	0.10	3.44	3.54	79.68	16.78

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	12455	0	276.9	142.3	-0.7	120	0.0
	Haryana	9244	0	208.8	190.4	-0.9	185	0.0
	Rajasthan	10649	0	235.2	90.1	-3.2	236	0.0
	Delhi	5504	0	111.7	97.8	-1.5	231	0.0
	UP	20416	0	361.8	181.7	-7.0	471	0.0
	Uttarakhand	1965	0	41.6	23.5	1.0	301	0.3
	HP	1380	0	31.3	-3.0	-1.3	53	0.0
	J&K(UT) & Ladakh(UT)	2286	0	46.0	20.5	-0.2	197	0.0
WR	Chhattisgarh	3930	0	90.1	36.0	-1.3	176	0.0
	Gujarat	12917	0	277.8	78.0	0.3	639	0.0
	MP	8673	0	193.0	115.8	-1.6	545	0.0
	Maharashtra	15916	0	350.3	103.1	0.3	733	0.0
	Goa	454	0	8.8	8.2	0.3	223	0.0
	DD	256	0	5.5	5.4	0.1	18	0.0
	DNH	637	0	14.3	14.2	0.1	33	0.0
	AMNSIL	866	0	18.3	6.2	0.4	301	0.0
SR	Andhra Pradesh	7337	0	155.7	34.1	0.6	578	0.0
	Telangana	11359	0	223.6	115.5	0.4	648	0.0
	Karnataka	7384	0	140.5	1.3	-3.2	962	0.0
	Kerala	2820	0	57.1	32.5	0.9	339	0.0
	Tamil Nadu	12867	0	265.9	100.4	-1.4	1090	0.0
	Puducherry	397	0	8.3	8.2	0.1	68	0.0
ER	Bihar	4973	0	88.0	82.0	-0.9	610	0.0
	DVC	2985	0	62.2	-37.8	0.8	292	0.0
	Jharkhand	1427	0	25.1	17.2	-0.7	207	0.0
	Odisha	4521	0	83.1	4.9	0.5	501	0.0
	West Bengal	7640	0	148.8	51.0	0.1	780	0.0
	Sikkim	71	0	0.8	1.2	-0.4	12	0.0
NER	Arunachal Pradesh	100	2	1.9	1.8	0.1	27	0.0
	Assam	1850	13	37.2	33.2	0.0	121	0.0
	Manipur	190	0	2.6	2.3	0.3	23	0.0
	Meghalaya	297	0	5.2	0.1	-0.4	25	0.0
	Mizoram	91	1	1.6	1.2	0.1	24	0.0
	Nagaland	132	1	2.3	2.3	-0.4	16	0.0
	Tripura	286	3	5.1	4.9	0.3	59	0.0

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

	Bhutan	Nepal	Bangladesh
Actual (MU)	53.6	-4.0	-25.4
Day Peak (MW)	2352.0	-356.0	-1076.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	357.2	-294.1	48.1	-117.0	5.8	0.0
Actual(MU)	343.3	-294.1	49.8	-111.9	7.6	-5.2
O/D/U/D(MU)	-13.9	0.1	1.7	5.1	1.8	-5.2

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	TOTAL
Central Sector	5918	15692	12812	2665	909	37996
State Sector	10344	20794	15438	5042	47	51665
Total	16262	36486	28250	7707	956	89661

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India
Coal	506	1032	288	402	7	2234
Lignite	19	11	20	0	0	49
Hydro	349	26	125	135	27	662
Nuclear	21	33	47	0	0	101
Gas, Naptha & Diesel	36	58	13	0	19	126
RES (Wind, Solar, Biomass & Others)	77	110	319	4	0	511
Total	1007	1269	812	541	53	3683

Share of RES in total generation (%)	7.61	8.70	39.29	0.80	0.08	13.86
Share of Non-fossil fuel (Hydro,Nuclear and RES) in total generation(%)	44.38	13.31	60.51	25.72	50.57	34.57

H. All India Demand Diversity Factor

Based on Regional Max Demands	1.047
Based on State Max Demands	1.091

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.

INTER-REGIONAL EXCHANGES

Import=(+ve) /Export =(-ve) for NET (MU)

Date of Reporting: 07-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	1601	0.0	33.0	-33.0	
2	HVDC	PUSAULI B/B	-	0	399	0.0	9.4	-9.4	
3	765 kV	GAYA-VARANASI	2	0	633	0.0	10.4	-10.4	
4	765 kV	SASARAM-FATEHPUR	1	249	128	2.2	0.0	2.2	
5	765 kV	GAYA-BALIA	1	0	553	0.0	5.9	-5.9	
6	400 kV	PUSAULI-VARANASI	1	0	319	0.0	6.6	-6.6	
7	400 kV	PUSAULI -ALLAHABAD	1	0	155	0.0	2.8	-2.8	
8	400 kV	MUZAFFARPUR-GORAKHPUR	2	0	552	0.0	7.6	-7.6	
9	400 kV	PATNA-BALIA	4	0	928	0.0	17.8	-17.8	
10	400 kV	BIHARSHARIFF-BALIA	2	0	396	0.0	5.8	-5.8	
11	400 kV	MOTIHARI-GORAKHPUR	2	0	328	0.0	4.8	-4.8	
12	400 kV	BIHARSHARIFF-VARANASI	2	219	84	0.7	0.0	0.7	
13	220 kV	PUSAULI-SAHUPURI	1	0	116	0.0	1.9	-1.9	
14	132 kV	SONE NAGAR-RIHAND	1	0	0	0.0	0.0	0.0	
15	132 kV	GARWAH-RIHAND	1	30	0	0.4	0.0	0.4	
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	105.9	-102.5
<b>Import/Export of ER (With WR)</b>									
1	765 kV	JHARSUGUDA-DHARAMJAIGARH	4	812	36	8.3	0.0	8.3	
2	765 kV	NEW RANCHI-DHARAMJAIGARH	2	1316	0	18.1	0.0	18.1	
3	765 kV	JHARSUGUDA-DURG	2	205	62	1.2	0.0	1.2	
4	400 kV	JHARSUGUDA-RAIGARH	4	1047	36	11.6	0.0	11.6	
5	400 kV	RANCHI-SIPAT	2	477	0	7.2	0.0	7.2	
6	220 kV	BUDHIPADAR-RAIGARH	1	51	71	0.0	0.2	-0.2	
7	220 kV	BUDHIPADAR-KORBA	2	173	0	3.0	0.0	3.0	
						ER-WR	49.3	0.2	49.1
<b>Import/Export of ER (With SR)</b>									
1	HVDC	JEYPORE-GAZUWAKA B/B	2	0	540	0.0	9.7	-9.7	
2	HVDC	TALCHER-KOLAR BIPOLE	2	0	1938	0.0	36.2	-36.2	
3	765 kV	ANGUL-SRIKAKULAM	2	0	2017	0.0	29.5	-29.5	
4	400 kV	TALCHER-I/C	2	394	1134	0.0	8.2	-8.2	
5	220 kV	BALIMELA-UPPER-SILERRU	1	1	0	0.0	0.0	0.0	
						ER-SR	0.0	75.4	-75.4
<b>Import/Export of ER (With NER)</b>									
1	400 kV	BINAGURI-BONGAIGAON	2	0	497	0.0	8.2	-8.2	
2	400 kV	ALIPURDUAR-BONGAIGAON	2	0	525	0.0	7.6	-7.6	
3	220 kV	ALIPURDUAR-SALAKATI	2	0	134	0.0	2.2	-2.2	
						ER-NER	0.0	18.0	-18.0
<b>Import/Export of NER (With NR)</b>									
1	HVDC	BISWANATH CHARIALI-AGRA	2	0	503	0.0	12.2	-12.2	
						NER-NR	0.0	12.2	-12.2
<b>Import/Export of WR (With NR)</b>									
1	HVDC	CHAMPA-KURUKSHETRA	2	0	1502	0.0	63.3	-63.3	
2	HVDC	VINDHYACHAL B/B	-	93	398	0.0	0.7	-0.7	
3	HVDC	MUNDRA-MOHINDERGARH	2	0	1915	0.0	38.4	-38.4	
4	765 kV	GWALIOR-AGRA	2	0	2905	0.0	49.8	-49.8	
5	765 kV	PHAGI-GWALIOR	2	0	1399	0.0	24.8	-24.8	
6	765 kV	JABALPUR-ORAI	2	0	1171	0.0	38.9	-38.9	
7	765 kV	GWALIOR-ORAI	1	406	0	8.2	0.0	8.2	
8	765 kV	SATNA-ORAI	1	0	1593	0.0	31.9	-31.9	
9	765 kV	CHITORGARH-BANASKANTHA	2	111	840	0.1	8.6	-8.5	
10	400 kV	ZERDA-KANKROLI	1	112	172	0.0	0.5	-0.5	
11	400 kV	ZERDA -BHINMAL	1	261	331	0.0	1.2	-1.2	
12	400 kV	VINDHYACHAL -RIHAND	1	964	0	21.7	0.0	21.7	
13	400 kV	RAPP-SHUJALPUR	2	0	624	0.0	7.6	-7.6	
14	220 kV	BHANPURA-RANPUR	1	11	0	0.0	1.7	-1.7	
15	220 kV	BHANPURA-MORAK	1	0	124	0.0	1.7	-1.7	
16	220 kV	MEHGAON-AURAIYA	1	74	47	0.1	0.6	-0.5	
17	220 kV	MALANPUR-AURAIYA	1	42	69	0.3	0.2	0.1	
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	30.5	270.1	-239.6
<b>Import/Export of WR (With SR)</b>									
1	HVDC	BHADRAWATI B/B	-	239	309	0.0	2.6	-2.6	
2	HVDC	RAIGARH-PUGALUR	2	0	0	0.0	0.0	0.0	
3	765 kV	SOLAPUR-RAICHUR	2	1662	1096	12.4	2.6	9.8	
4	765 kV	WARDHA-NIZAMABAD	2	0	2054	0.0	32.9	-32.9	
5	400 kV	KOLHAPUR-KUDGI	2	1416	0	20.4	0.0	20.4	
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	0	0.0	0.0	0.0	
						WR-SR	32.8	38.2	-5.3

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 MANGDECHHU HEP 4*180MW)	763	0	748	17.9
	ER	400kV TALA-BINAGURI 1,2,4 (& 400kV MALBASE - BINAGURI) i.e. BINAGURI RECEIPT (from TALA HEP (6*170MW)	1052	0	1031	24.7
	ER	220kV CHUKHA-BIRPARA 1&2 (& 220kV MALBASE - BIRPARA) i.e. BIRPARA RECEIPT (from CHUKHA HEP 4*84MW)	394	0	348	8.3
	NER	132KV-GEYLEGPHU - SALAKATI	75	41	-50	-1.2
	NER	132kV Motanga-Rangia	68	28	-56	-1.4
NEPAL	NR	132KV-TANAKPUR(NH) - MAHENDRANAGAR(PG)	-55	0	-30	-0.7
	ER	132KV-BIHAR - NEPAL	-135	-16	-67	-1.6
	ER	220KV-MUZAFFARPUR - DHALKEBAR DC	-166	-4	-70	-1.7
BANGLADESH	ER	BHERAMARA HVDC(BANGLADESH)	-948	-925	-942	-22.6
	NER	132KV-SURAJMANI NAGAR - COMILLA(BANGLADESH)-1	64	0	-59	-1.4
	NER	132KV-SURAJMANI NAGAR - COMILLA(BANGLADESH)-2	64	0	-59	-1.4