



**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> August 2021

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 09.08.2021.**

महोदय/Dear Sir,

आई०ई०जी०सी०-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 09-अगस्त-2021 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 2021, is available at the NLDC website.

धन्यवाद,

पाँवर सिस्टम ऑपरेशन कारपोरेशन लिमिटेड  
राष्ट्रीय भार प्रेषण केंद्र, नई दिल्ली



Report for previous day

Date of Reporting: 10-Aug-2021

A. Power Supply Position at All India and Regional level

	NR	WR	SR	ER	NER	TOTAL
Demand Met during Evening Peak hrs(MW) (at 20:00 hrs; from RLDCs)	59318	54000	43613	23373	2995	183299
Peak Shortage (MW)	430	0	0	0	0	430
Energy Met (MU)	1325	1288	1077	500	56	4246
Hydro Gen (MU)	367	35	172	126	30	730
Wind Gen (MU)	42	68	133	-	-	243
Solar Gen (MU)*	50.51	26.98	101.66	4.90	0.19	184
Energy Shortage (MU)	4.40	0.00	0.00	0.00	0.00	4.40
Maximum Demand Met During the Day (MW) (From NLDC SCADA)	60747	56014	52209	23507	3006	188879
Time Of Maximum Demand Met (From NLDC SCADA)	22:22	14:48	11:00	22:54	19:01	11:57

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	0.024	0.00	0.00	1.59	1.59	72.62	25.80

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	11134	0	253.4	139.7	-0.2	207	0.00
	Haryana	9290	0	194.0	157.0	-0.3	151	0.00
	Rajasthan	10985	0	244.3	46.1	-1.9	450	0.00
	Delhi	5132	0	105.3	98.5	-1.3	157	0.00
	UP	20160	0	403.0	181.8	-1.3	398	0.51
	Uttarakhand	1886	0	42.2	16.4	0.3	124	0.44
	HP	1451	0	29.6	-8.7	-3.8	0	0.00
	J&K(UT) & Ladakh(UT)	2322	200	47.0	20.8	0.7	152	3.45
	Chandigarh	306	0	6.1	6.4	-0.3	14	0.00
	Chhattisgarh	4698	0	112.5	53.2	0.1	265	0.00
WR	Gujarat	19019	0	406.5	193.2	0.6	524	0.00
	MP	9078	0	193.8	117.9	-2.4	662	0.00
	Maharashtra	23784	0	518.2	167.4	5.2	986	0.00
	Goa	568	0	12.2	11.1	0.4	60	0.00
	DD	323	0	7.0	6.9	0.1	88	0.00
	DNH	850	0	19.6	19.2	0.4	60	0.00
	AMNSIL	880	0	18.3	8.4	-0.3	237	0.00
	Andhra Pradesh	10804	0	216.9	84.9	0.2	764	0.00
SR	Telangana	12257	0	242.3	87.0	-0.2	608	0.00
	Karnataka	10912	0	201.6	33.2	-0.8	464	0.00
	Kerala	3443	0	69.2	27.9	-1.1	210	0.00
	Tamil Nadu	15442	0	337.7	122.8	-1.9	310	0.00
	Puducherry	417	0	9.1	9.1	0.0	52	0.00
ER	Bihar	6133	0	118.2	111.1	-0.6	382	0.00
	DVC	3115	0	66.6	-39.3	0.7	404	0.00
	Jharkhand	1487	0	30.4	23.5	1.2	318	0.00
	Odisha	5316	0	109.6	32.6	-1.1	330	0.00
	West Bengal	8651	0	173.7	55.2	1.6	754	0.00
	Sikkim	84	0	1.4	1.4	-0.1	28	0.00
	Assam	1973	0	36.6	29.4	0.0	121	0.00
NER	Manipur	197	0	2.5	2.6	0.0	36	0.00
	Meghalaya	310	0	5.7	0.7	0.0	32	0.00
	Mizoram	104	0	1.6	1.2	0.1	26	0.00
	Nagaland	155	0	2.4	2.3	0.0	37	0.00
	Tripura	274	0	4.9	5.4	-0.2	44	0.00

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

	Bhutan	Nepal	Bangladesh
Actual (MU)	31.7	-0.9	-19.7
Day Peak (MW)	2012.0	-157.8	-853.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	212.9	-126.6	26.7	-106.1	-6.9	0.0
Actual(MU)	192.4	-114.4	25.7	-99.2	-8.3	-3.8
OD/UD(MU)	-20.5	12.2	-1.0	6.9	-1.5	-3.8

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	TOTAL	% Share
Central Sector	5092	16343	8732	1635	444	32245	49
State Sector	6795	15069	6935	4725	11	33535	51
Total	11887	31412	15667	6360	455	65780	100

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India	% Share
Coal	615	1213	524	484	12	2847	66
Lignite	27	10	43	0	0	80	2
Hydro	367	35	172	126	30	730	17
Nuclear	23	32	42	0	0	97	2
Gas, Naptha & Diesel	17	33	11	0	28	90	2
RES (Wind, Solar, Biomass & Others)	114	95	270	5	0	484	11
Total	1163	1419	1061	614	70	4327	100

Share of RES in total generation (%)	9.79	6.73	25.42	0.80	0.27	11.19
Share of Non-fossil fuel (Hydro,Nuclear and RES) in total generation(%)	43.35	11.45	45.59	21.26	42.66	30.29

H. All India Demand Diversity Factor

Based on Regional Max Demands	1.035
Based on State Max Demands	1.075

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-2021

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	23.9	-23.9
2	HVDC	PUSAULI-B/B	-	0	247	0.0	6.0	-6.0
3	765 kV	GAYA-VARANASI	2	288	261	0.3	0.0	0.3
4	765 kV	SASARAM-EATEHPUR	1	481	269	0.0	2.8	-2.8
5	765 kV	GAYA-BALIA	1	24	418	0.0	5.4	-5.4
6	400 kV	PUSAULI-VARANASI	1	0	182	0.0	3.6	-3.6
7	400 kV	PUSAULI-ALLAHABAD	1	0	134	0.0	2.3	-2.3
8	400 kV	MUZAFFARPUR-GORAKHPUR	2	0	560	0.0	8.0	-8.0
9	400 kV	PATNA-BALIA	4	0	634	0.0	9.7	-9.7
10	400 kV	BIHARSHARIFF-BALIA	2	70	163	0.0	0.9	-0.9
11	400 kV	MOTIHARI-GORAKHPUR	2	0	334	0.0	5.0	-5.0
12	400 kV	BIHARSHARIFF-VARANASI	2	145	59	0.6	0.0	0.6
13	220 kV	PUSAULI-SAHUPURI	1	17	87	0.0	1.7	-1.7
14	132 kV	SONENAGAR-RIHAND	1	0	0	0.0	0.0	0.0
15	132 kV	GARWAH-RIHAND	1	20	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-CHANDAUJI	1	0	0	0.0	0.0	0.0
						ER-NR	69.5	-68.0
<b>Import/Export of ER (With WR)</b>								
1	765 kV	JHARSUGUDA-DHARAMJAIGARH	4	1078	110	10.0	0.0	10.0
2	765 kV	NEW RANCHI-DHARAMJAIGARH	2	1440	194	18.8	0.0	18.8
3	765 kV	JHARSUGUDA-DURG	2	183	265	0.0	0.6	-0.6
4	400 kV	JHARSUGUDA-RAIGARH	4	0	498	0.0	6.3	-6.3
5	400 kV	RANCHI-SIPAT	2	326	134	2.4	0.0	2.4
6	220 kV	BUDHIPADAR-RAIGARH	1	0	159	0.0	2.5	-2.5
7	220 kV	BUDHIPADAR-KORBA	2	98	11	1.3	0.0	1.3
						ER-WR	32.4	22.9
<b>Import/Export of ER (With SR)</b>								
1	HVDC	JEYPORE-GAZUWAKA B/B	2	0	515	0.0	10.0	-10.0
2	HVDC	TALCHER-KOLAR BIPOLE	2	0	1489	0.0	29.8	-29.8
3	765 kV	ANGUL-SRIKAKULAM	2	0	2967	0.0	46.6	-46.6
4	400 kV	TALCHER-J/C	2	444	773	0.4	0.0	0.4
5	220 kV	BALIMELA-UPPER-SILERRU	1	1	0	0.0	0.0	0.0
						ER-SR	86.3	-86.3
<b>Import/Export of ER (With NER)</b>								
1	400 kV	BINAGURI-BONGAIGAON	2	56	186	0.0	2.2	-2.2
2	400 kV	ALIPURDUAR-BONGAIGAON	2	180	123	0.3	0.0	0.3
3	220 kV	ALIPURDUAR-SALAKATI	2	6	49	0.0	0.6	-0.6
						ER-NER	0.3	-2.5
<b>Import/Export of NER (With NR)</b>								
1	HVDC	BISWANATH CHARIALI-AGRA	2	0	504	0.0	12.4	-12.4
						NER-NR	12.4	-12.4
<b>Import/Export of WR (With NR)</b>								
1	HVDC	CHAMPA-KURUKSHETRA	2	0	3019	0.0	30.9	-30.9
2	HVDC	VINDHYACHAL B/B	-	0	52	0.0	1.2	-1.2
3	HVDC	MUNDIRA-MOHINDERGARH	2	0	976	0.0	13.1	-13.1
4	765 kV	GWALIOR-AGRA	2	284	1809	0.2	26.2	-26.0
5	765 kV	GWALIOR-PHAGI	2	0	1558	0.0	29.2	-29.2
6	765 kV	JABALPUR-ORAI	2	543	953	0.0	32.6	-32.6
7	765 kV	GWALIOR-ORAI	1	745	0	14.9	0.0	14.9
8	765 kV	SATNA-ORAI	1	0	791	0.0	16.7	-16.7
9	765 kV	BANASKANTHA-CHITORGARH	2	2031	0	27.4	0.0	27.4
10	765 kV	VINDHYACHAL-VARANASI	2	0	3213	0.0	49.2	-49.2
11	400 kV	ZERDA-KANKROLI	1	416	0	6.9	0.0	6.9
12	400 kV	ZERDA-BHINMAL	1	638	0	11.1	0.0	11.1
13	400 kV	VINDHYACHAL-RIHAND	1	958	0	22.1	0.0	22.1
14	400 kV	RAPP-SHUJALPUR	2	61	405	0.1	3.5	-3.4
15	220 kV	BHANPURA-RANIPUR	1	22	78	0.0	0.7	-0.7
16	220 kV	BHANPURA-MORAK	1	0	30	0.1	0.4	-0.2
17	220 kV	MEHGAON-AURAIYA	1	134	0	0.7	0.0	0.7
18	220 kV	MALANPUR-AURAIYA	1	98	13	1.3	0.0	1.3
19	132 kV	GWALIOR-SAWAIMADHOPUR	1	0	0	0.0	0.0	0.0
20	132 kV	RAJGHAT-LALITPUR	2	0	0	0.0	0.0	0.0
						WR-NR	84.8	-118.9
<b>Import/Export of WR (With SR)</b>								
1	HVDC	BHADRAWATI B/B	-	300	0	7.4	0.0	7.4
2	HVDC	RAIGARH-PUGALUR	2	1456	0	25.0	0.0	25.0
3	765 kV	SOLAPUR-RAICHUR	2	1338	1155	9.3	0.0	9.3
4	765 kV	WARDHA-NIZAMABAD	2	0	2898	0.0	33.5	-33.5
5	400 kV	KOLHAPUR-KUDGI	2	1010	0	17.6	0.0	17.6
6	220 kV	KOLHAPUR-CHISGODI	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	79	1.4	0.0	1.4
						WR-SR	60.7	33.5
							27.1	

INTERNATIONAL EXCHANGES			Import(+ve)/Export(-ve) Energy Exchange (MU)			
State	Region	Line Name	Max (MW)	Min (MW)	Avg (MW)	Energy Exchange (MU)
BHUTAN	ER	400kV MANGDECHHU-ALIPURDUAR 1,2&3 i.e. ALIPURDUAR RECEIPT (from MANGDECHHU HEP 4*180MW)	628	0	599	14.4
	ER	400kV TALA-BINAGURI 1,2,4 (& 400kV MALBASE - BINAGURI) i.e. BINAGURI RECEIPT (from TALA HEP (6*170MW))	1030	0	449	10.8
	ER	220kV CHUKHA-BIRPARA 1&2 (& 220kV MALBASE - BIRPARA) i.e. BIRPARA RECEIPT (from CHUKHA HEP 4*84MW)	275	0	211	5.1
	NER	132kV GELEPHU-SALAKATI	22	14	18	0.4
	NER	132kV MOTANGA-RANGIA	58	34	44	1.1
NEPAL	NR	132kV MAHENDRANAGAR-TANAKPUR(NHPC)	-50	0	-25	-0.6
	ER	NEPAL IMPORT (FROM BIHAR)	-70	-1	-10	-0.2
BANGLADESH	ER	400kV DHALKEBAR-MUZAFFARPUR 1&2	-38	0	-3	-0.1
	ER	BHERAMARA B/B HVDC (BANGLADESH)	-707	0	-690	-16.6
BANGLADESH	NER	132kV COMILLA-SURAJMANI NAGAR 1&2	-146	0	-129	-3.1