



**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: 13<sup>th</sup> August 2022

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 12.08.2022.**

महोदय/Dear Sir,

आईईजीसी-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 12-अगस्त-2022 की अखिल भारतीय प्रणाली की दैनिक ग्रिड निष्पादन रिपोर्ट रांभांप्रेके 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 12<sup>th</sup> Aug 2022, 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: 13-Aug-2022

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)	65107	48039	42063	25156	3510	183875
Peak Shortage (MW)	0	0	0	586	0	586
Energy Met (MU)	1459	1060	1018	539	69	4144
Hydro Gen (MU)	359	82	182	131	32	788
Wind Gen (MU)	29	155	245	-	-	428
Solar Gen (MU)*	85.43	36.31	96.12	4.33	0.86	223
Energy Shortage (MU)	0.57	0.00	0.00	4.59	0.00	5.16
Maximum Demand Met During the Day (MW) (From NLDC SCADA)	68824	48192	47075	25464	3533	184427
Time Of Maximum Demand Met (From NLDC SCADA)	22:32	19:43	10:09	20:56	19:22	19:40

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	0.055	0.41	3.08	8.16	11.64	77.21	11.14

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	13116	0	289.0	173.0	-1.2	84	0.00
	Haryana	10234	0	214.0	138.2	1.2	279	0.00
	Rajasthan	11133	0	236.2	59.7	-4.3	232	0.20
	Delhi	5873	0	119.9	107.8	-0.9	161	0.00
	UP	23979	0	468.4	201.8	1.0	481	0.00
	Uttarakhand	2216	0	45.5	23.9	1.1	205	0.27
	HP	1573	0	32.5	-6.9	0.0	149	0.00
	J&K(UT) & Ladakh(UT)	2584	0	47.1	22.4	-1.3	268	0.10
	Chandigarh	336	0	6.6	6.8	-0.3	17	0.00
	Chhattisgarh	3878	0	83.6	53.6	0.6	428	0.00
WR	Gujarat	13718	0	296.4	161.7	-3.1	1129	0.00
	MP	8793	0	195.0	57.6	0.0	465	0.00
	Maharashtra	19942	0	427.9	127.4	1.0	791	0.00
	Goa	614	0	12.4	12.2	0.2	51	0.00
	DNHDDPDCL	1132	0	25.5	25.3	0.2	178	0.00
	AMNSIL	833	0	19.0	12.7	-0.4	223	0.00
SR	Andhra Pradesh	9430	0	201.1	28.5	1.1	708	0.00
	Telangana	11588	0	203.4	65.0	1.3	1459	0.00
	Karnataka	8239	0	179.0	18.2	-1.8	564	0.00
	Kerala	3607	0	73.7	29.7	-1.3	206	0.00
	Tamil Nadu	15941	0	350.4	132.8	2.5	1219	0.00
	Puducherry	437	0	10.0	9.0	0.3	75	0.00
ER	Bihar	6456	175	133.5	121.6	-0.1	392	3.08
	DVC	3370	0	71.7	-35.0	-0.1	395	0.00
	Jharkhand	1494	190	29.8	22.5	-1.4	150	1.51
	Odisha	6097	0	127.3	71.9	-2.5	443	0.00
	West Bengal	8666	0	175.3	52.8	0.7	317	0.00
NER	Sikkim	102	0	1.6	1.6	0.0	20	0.00
	Arunachal Pradesh	146	0	2.7	2.1	0.1	35	0.00
	Assam	2376	0	47.6	38.5	0.5	127	0.00
	Manipur	198	0	2.8	2.8	0.1	34	0.00
	Meghalaya	347	0	6.0	0.5	0.1	59	0.00
	Mizoram	102	0	1.7	0.6	-0.3	2	0.00
	Nagaland	160	0	2.8	2.4	-0.1	31	0.00
	Tripura	321	0	5.4	4.4	0.0	56	0.00

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

	Bhutan	Nepal	Bangladesh
Actual (MU)	39.7	6.7	-24.4
Day Peak (MW)	1881.0	286.0	-1047.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	243.2	-120.9	-37.8	-81.3	-3.2	0.0
Actual(MU)	236.6	-131.0	-33.7	-77.7	-1.6	-7.4
O/D/U/D(MU)	-6.6	-10.1	4.1	3.7	1.6	-7.4

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	TOTAL	% Share
Central Sector	4062	21896	7838	2820	309	36924	47
State Sector	6215	21146	12200	2750	109	42420	53
Total	10277	43042	20038	5570	418	79344	100

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India	% Share
Coal	749	890	404	519	14	2576	59
Lignite	26	10	48	0	0	84	2
Hydro	362	82	183	131	32	790	18
Nuclear	25	40	47	0	0	112	3
Gas, Naptha & Diesel	19	2	7	4	30	57	1
RES (Wind, Solar, Biomass & Others)	133	192	383	4	1	712	16
Total	1313	1216	1071	655	76	4331	100

Share of RES in total generation (%)	10.11	15.77	35.76	0.66	1.13	16.45
Share of Non-fossil fuel (Hydro,Nuclear and RES) in total generation(%)	39.52	25.83	57.20	20.69	43.25	37.27

H. All India Demand Diversity Factor

Based on Regional Max Demands	1.047
Based on State Max Demands	1.079

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: 13-Aug-2022

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	1152	0.0	29.8	-29.8	
2	HVDC	PUSAULI B/B	2	0	49	0.0	1.2	-1.2	
3	765 kV	GAYA-VARANASI	2	654	200	4.8	0.0	4.8	
4	765 kV	SASARAM-FATEHPUR	1	139	230	0.0	1.1	-1.1	
5	765 kV	GAYA-BALIA	1	0	718	0.0	12.1	-12.1	
6	400 kV	PUSAULI-VARANASI	1	0	77	0.0	1.2	-1.2	
7	400 kV	PUSAULI-ALLAHABAD	1	19	44	0.0	0.1	-0.1	
8	400 kV	MUZAFFARPUR-GORAKHPUR	2	0	843	0.0	12.8	-12.8	
9	400 kV	PATNA-BALIA	2	0	553	0.0	8.8	-8.8	
10	400 kV	NAUBATPUR-BALIA	2	0	591	0.0	9.4	-9.4	
11	400 kV	BIHARSHARIFF-BALIA	2	0	446	0.0	5.7	-5.7	
12	400 kV	MOTIHARI-GORAKHPUR	2	0	396	0.0	5.1	-5.1	
13	400 kV	BIHARSHARIFF-VARANASI	2	231	147	0.2	0.0	0.2	
14	220 kV	SINPUR-BIKRAMNASHA	1	17	134	0.0	1.9	-1.9	
15	132 kV	NAGAR UNTARI-RIHAND	1	0	0	0.0	0.0	0.0	
16	132 kV	GARWAH-RIHAND	1	25	0	0.4	0.0	0.4	
17	132 kV	KARMANASA-SAHUPURI	1	0	54	0.0	0.0	0.0	
18	132 kV	KARMANASA-CHANDAULI	1	0	0	0.0	0.0	0.0	
						ER-NR	5.3	89.1	-83.8
<b>Import/Export of ER (With WR)</b>									
1	765 kV	JHARSUGUDA-DHARAMJAIGARH	4	1149	125	11.0	0.0	11.0	
2	765 kV	NEW RANCHI-DHARAMJAIGARH	2	1670	432	22.3	0.0	22.3	
3	765 kV	JHARSUGUDA-DURG	2	181	315	0.0	1.8	-1.8	
4	400 kV	JHARSUGUDA-RAIGARH	4	294	284	0.0	0.6	-0.6	
5	400 kV	RANCHI-SIPAT	2	374	156	4.6	0.0	4.6	
6	220 kV	BUDHIPADAR-RAIGARH	1	86	29	0.8	0.0	0.8	
7	220 kV	BUDHIPADAR-KORBA	2	160	10	1.9	0.0	1.9	
						ER-WR	40.5	2.4	38.1
<b>Import/Export of ER (With SR)</b>									
1	HVDC	JEYPORE-GAZUWAKA B/B	2	646	0	11.5	0.0	11.5	
2	HVDC	TALCHER-KOLAR BIPOLE	2	0	1206	0.0	28.9	-28.9	
3	765 kV	ANGUL-SRIKAKULAM	2	0	2867	0.0	44.1	-44.1	
4	400 kV	TALCHER-I/C	2	712	205	10.1	0.0	10.1	
5	220 kV	BALMELA-UPPER-SILERRU	1	2	0	0.0	0.0	0.0	
						ER-SR	11.5	73.0	-61.4
<b>Import/Export of ER (With NER)</b>									
1	400 kV	BINAGURI-BONGAIGAON	2	0	358	0.0	5.3	-5.3	
2	400 kV	ALIPURDUAR-BONGAIGAON	2	217	306	0.0	2.5	-2.5	
3	220 kV	ALIPURDUAR-SALAKATI	2	0	92	0.0	1.5	-1.5	
						ER-NER	0.0	9.3	-9.3
<b>Import/Export of NER (With NR)</b>									
1	HVDC	BISWANATH CHARIALI-AGRA	2	0	502	0.0	12.0	-12.0	
						NER-NR	0.0	12.0	-12.0
<b>Import/Export of WR (With NR)</b>									
1	HVDC	CHAMPA-KURUKSHETRA	2	0	2002	0.0	39.0	-39.0	
2	HVDC	VINDHYACHAL B/B	2	444	0	12.2	0.0	12.2	
3	HVDC	MUNDRA-MOHENDERGARH	2	0	512	0.0	12.2	-12.2	
4	765 kV	GWALIOR-AGRA	2	26	1953	0.0	32.8	-32.8	
5	765 kV	GWALIOR-PHAGI	2	290	1243	0.3	16.5	-16.1	
6	765 kV	JABALPUR-ORAI	2	0	708	0.0	21.3	-21.3	
7	765 kV	GWALIOR-ORAI	1	738	0	12.7	0.0	12.7	
8	765 kV	SATNA-ORAI	1	0	807	0.0	16.7	-16.7	
9	765 kV	BANASKANTHA-CHITORGARH	2	988	318	9.5	0.0	9.5	
10	765 kV	VINDHYACHAL-VARANASI	2	0	3661	0.0	66.3	-66.3	
11	400 kV	ZERDA-KANKROLI	1	284	26	2.9	0.0	2.9	
12	400 kV	ZERDA-JBHNMAL	1	658	37	5.6	0.0	5.6	
13	400 kV	VINDHYACHAL-RIHAND	1	962	0	21.0	0.0	21.0	
14	400 kV	RAPP-SHILAIIPUR	2	0	191	0.0	4.6	-4.6	
15	220 kV	BHANPURA-RANPUR	1	0	1	0.0	0.0	0.0	
16	220 kV	BHANPURA-MORAK	1	0	30	0.0	0.7	-0.7	
17	220 kV	MEHGAON-AURAIYA	1	104	0	0.4	0.1	0.3	
18	220 kV	MALANPUR-AURAIYA	1	68	18	1.0	0.0	1.0	
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	77.8	197.9	-120.1
<b>Import/Export of WR (With SR)</b>									
1	HVDC	BHADRAWATI B/B	-	984	0	22.1	0.0	22.1	
2	HVDC	RAIGARH-PUGALUR	2	2877	601	42.1	0.0	42.1	
3	765 kV	SOLAPUR-RAICHUR	2	1124	2076	7.6	9.0	-1.4	
4	765 kV	WARDHA-NIZAMABAD	2	0	3410	0.0	38.8	-38.8	
5	400 kV	KOLHAPUR-KUDCI	2	1607	0	25.7	0.0	25.7	
6	220 kV	KOLHAPUR-CHIKODI	1	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	99	1.9	0.0	1.9	
						WR-SR	99.4	47.9	51.6
<b>INTERNATIONAL EXCHANGES</b>									
State	Region	Line Name	Max (MW)	Min (MW)	Avg (MW)	Import(+ve)/Export(-ve) Energy Exchange (MU)			
BHUTAN	ER	400KV MANGDECHHU-ALIPURDUAR 1,2&3 i.e. ALIPURDUAR RECEIPT (from MANGDECHHU HEP 4*180MW)	590	584	587	14.1			
	ER	400KV TALA-BINAGURI 1,2,4 (& 400KV MALBASE - BINAGURI) i.e. BINAGURI RECEIPT (from TALA HEP (6*170MW))	1053	0	956	22.9			
	ER	220KV CHUKHA-BIRPARA 1&2 (& 220KV MALBASE - BIRPARA) i.e. BIRPARA RECEIPT (from CHUKHA HEP 4*84MW)	197	0	170	4.1			
	NER	132KV GELEPHU-SALAKATI	27	13	20	0.5			
	NER	132KV MOTANGA-RANGIA	52	27	40	1.0			
NEPAL	NR	132KV MAHENDRANAGAR-TANAKPUR(NHPC)	-73	0	-40	-1.0			
	ER	NEPAL IMPORT (FROM BIHAR)	0	0	0	0.0			
BANGLADESH	ER	400KV DHALKEBAR-MUZAFFARPUR 1&2	359	245	317	7.6			
	NER	BHERAMARA B/B HVDC (BANGLADESH)	-926	-921	-924	-22.2			
	NER	132KV COMILLA-SURAJMANJANAGAR 1&2	-121	0	-92	-2.2			