



**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: 24<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 23.08.2022.**

महोदय/Dear Sir,

आईईजीसी-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 23-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 23<sup>rd</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:

24-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)	67830	51573	43977	24585	3270	191235
Peak Shortage (MW)	365	0	0	956	0	1321
Energy Met (MU)	1531	1139	1068	549	64	4351
Hydro Gen (MU)	333	82	182	140	30	766
Wind Gen (MU)	20	211	214	-	-	445
Solar Gen (MU)*	91.72	27.78	103.19	5.35	0.59	229
Energy Shortage (MU)	4.08	0.00	0.00	5.02	0.00	9.10
Maximum Demand Met During the Day (MW) (From NLDC SCADA)	69964	51569	51119	25761	3380	191471
Time Of Maximum Demand Met (From NLDC SCADA)	22:39	19:33	09:53	00:06	18:57	19:34

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	0.039	0.00	1.02	4.78	5.80	72.40	21.80

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	14027	0	322.3	183.1	-1.7	117	0.00
	Haryana	10825	0	236.8	153.5	0.5	314	0.27
	Rajasthan	9453	0	206.8	54.7	-3.8	248	0.00
	Delhi	6111	0	126.3	115.7	-2.0	156	0.00
	UP	25002	0	498.3	204.9	1.5	503	0.10
	Uttarakhand	2290	0	49.3	23.3	0.5	165	0.70
	HP	1545	0	30.6	-6.5	1.2	219	2.08
	J&K(UT) & Ladakh(UT)	2732	0	53.7	26.4	3.2	410	0.93
WR	Chandigarh	381	0	7.3	7.1	0.2	48	0.00
	Chhattisgarh	4677	0	105.8	59.0	0.6	261	0.00
	Gujarat	14644	0	320.0	164.6	-1.6	1275	0.00
	MP	8837	0	175.3	53.7	0.0	672	0.00
	Maharashtra	21989	0	478.8	166.9	0.0	715	0.00
	Goa	603	0	12.5	12.9	-0.4	59	0.00
	DNHDDPDCL	1188	0	27.8	27.8	0.0	41	0.00
	AMNSIL	817	0	18.6	12.2	-0.4	301	0.00
SR	Andhra Pradesh	11300	0	229.4	68.8	0.4	668	0.00
	Telangana	13014	0	232.1	82.2	0.4	966	0.00
	Karnataka	10620	0	202.3	53.9	-0.7	541	0.00
	Kerala	3430	0	70.5	28.1	-1.5	259	0.00
	Tamil Nadu	15506	0	324.7	128.5	-4.6	418	0.00
	Puducherry	391	0	9.1	8.8	-0.4	37	0.00
ER	Bihar	6500	253	129.7	124.8	-1.1	667	4.86
	DVC	3390	0	75.0	-31.8	0.2	300	0.00
	Jharkhand	1460	51	32.3	22.0	-1.2	104	0.16
	Odisha	5954	0	128.5	56.9	-1.8	443	0.00
	West Bengal	9112	0	182.2	61.1	1.0	399	0.00
	Sikkim	94	0	1.6	1.5	0.1	22	0.00
NER	Arunachal Pradesh	147	0	2.5	2.4	-0.3	38	0.00
	Assam	2271	0	43.1	35.5	-0.1	246	0.00
	Manipur	196	0	2.7	2.7	0.0	41	0.00
	Meghalaya	338	0	5.7	1.9	-0.1	60	0.00
	Mizoram	108	0	1.7	0.8	-0.2	37	0.00
	Nagaland	155	0	2.8	2.4	-0.1	22	0.00
	Tripura	276	0	5.2	5.2	0.1	60	0.00

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

	Bhutan	Nepal	Bangladesh
Actual (MU)	42.2	5.4	-25.5
Day Peak (MW)	2049.0	303.0	-1079.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	301.2	-220.4	4.9	-83.7	-2.0	0.0
Actual(MU)	299.6	-217.6	-15.7	-66.6	-4.7	-5.0
O/D/U/D(MU)	-1.7	2.8	-20.6	17.1	-2.7	-5.0

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	TOTAL	% Share
Central Sector	4237	14926	5518	3580	444	28704	40
State Sector	6765	23170	10230	3065	130	43360	60
Total	11002	38096	15748	6645	574	72064	100

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India	% Share
Coal	778	1018	469	511	16	2793	61
Lignite	29	2	54	0	0	84	2
Hydro	335	82	182	140	30	769	17
Nuclear	30	32	47	0	0	109	2
Gas, Naptha & Diesel	16	5	8	0	29	58	1
RES (Wind, Solar, Biomass & Others)	129	239	367	5	1	742	16
Total	1317	1379	1126	657	75	4554	100

Share of RES in total generation (%)	9.82	17.36	32.59	0.81	0.78	16.28
Share of Non-fossil fuel (Hydro,Nuclear and RES) in total generation(%)	37.50	25.62	52.90	22.18	40.94	35.55

H. All India Demand Diversity Factor

Based on Regional Max Demands	1.054
Based on State Max Demands	1.094

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: 24-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	701	0.0	16.8	-16.8	
2	HVDC	PUSAULI B/B	-	0	346	0.0	8.5	-8.5	
3	765 kV	GAYA-VARANASI	2	731	155	5.5	0.0	5.5	
4	765 kV	SASARAM-FATEHPUR	1	238	168	0.7	0.0	0.7	
5	765 kV	GAYA-BALIA	1	0	65	0.0	9.2	-9.2	
6	400 kV	PUSAULI-VARANASI	1	0	261	0.0	5.2	-5.2	
7	400 kV	PUSAULI-ALLAHABAD	1	0	191	0.0	3.1	-3.1	
8	400 kV	MUZAFFARPUR-GORAKHPUR	2	0	926	0.0	15.4	-15.4	
9	400 kV	PATNA-BALIA	2	0	481	0.0	7.1	-7.1	
10	400 kV	NAUBATPUR-BALIA	2	0	509	0.0	7.4	-7.4	
11	400 kV	BIHARSHARIF-BALIA	2	0	414	0.0	5.3	-5.3	
12	400 kV	MOTHARI-GORAKHPUR	2	0	432	0.0	6.7	-6.7	
13	400 kV	BIHARSHARIF-VARANASI	2	258	136	0.6	0.0	0.6	
14	220 kV	SAHUPURI-KARAMNANA	1	41	117	0.0	1.3	-1.3	
15	132 kV	NAGAR UNTARI-RIHAND	1	0	0	0.0	0.0	0.0	
16	132 kV	GARWAH-RIHAND	1	25	0	0.5	0.0	0.5	
17	132 kV	KARMANASA-SAHUPURI	1	0	0	0.0	0.0	0.0	
18	132 kV	KARMANASA-CHANDALI	1	0	0	0.0	0.0	0.0	
						ER-NR	7.3	86.0	-78.7
<b>Import/Export of ER (With WR)</b>									
1	765 kV	JHARSUGUDA-DHARAMJAIGARH	4	1161	13	14.3	0.0	14.3	
2	765 kV	NEW RANCHI-DHARAMJAIGARH	2	1409	268	20.6	0.0	20.6	
3	765 kV	JHARSUGUDA-DURG	2	64	246	0.0	1.5	-1.5	
4	400 kV	JHARSUGUDA-RAIGARH	4	95	377	0.0	2.4	-2.4	
5	400 kV	RANCHI-SIPAT	2	323	133	4.0	0.0	4.0	
6	220 kV	BUDHIPADAR-RAIGARH	1	33	97	0.0	0.7	-0.7	
7	220 kV	BUDHIPADAR-KORBA	2	87	106	0.2	0.0	0.2	
						ER-WR	39.0	4.6	34.4
<b>Import/Export of ER (With SR)</b>									
1	HVDC	JEYPORE-GAZUWAKA B/B	2	395	0	9.7	0.0	9.7	
2	HVDC	TALCHER-KOLAR BIPOLE	2	0	1645	0.0	31.2	-31.2	
3	765 kV	ANGUL-SRIKAKULAM	2	0	2797	0.0	43.1	-43.1	
4	400 kV	TALCHER-I/C	2	697	204	10.3	0.0	10.3	
5	220 kV	BALIMELA-UPPER-SILERRU	1	2	0	0.0	0.0	0.0	
						ER-SR	9.7	74.2	-64.5
<b>Import/Export of ER (With NER)</b>									
1	400 kV	BINAGURI-BONGAIGAON	2	58	226	0.1	2.6	-2.5	
2	400 kV	ALIPURDUAR-BONGAIGAON	2	192	295	0.0	2.8	-2.8	
3	220 kV	ALIPURDUAR-SALAKATI	2	0	93	0.0	1.3	-1.3	
						ER-NER	0.1	6.7	-6.6
<b>Import/Export of NER (With NR)</b>									
1	HVDC	BISWANATH CHARIALI-AGRA	2	0	501	0.0	12.1	-12.1	
						NER-NR	0.0	12.1	-12.1
<b>Import/Export of WR (With NR)</b>									
1	HVDC	CHAMPA-KURUKSHETRA	2	0	4540	0.0	81.0	-81.0	
2	HVDC	VINDHYACHAL B/B	-	445	0	10.6	0.0	10.6	
3	HVDC	MUNDRA-MOHINDERGARH	2	0	1528	0.0	21.3	-21.3	
4	765 kV	GWALIOR-AGRA	2	0	2441	0.0	36.8	-36.8	
5	765 kV	GWALIOR-PHAGI	2	671	1575	1.7	18.6	-16.9	
6	765 kV	JABALPUR-ORAI	2	0	1145	0.0	30.9	-30.9	
7	765 kV	GWALIOR-ORAI	1	580	0	9.4	0.0	9.4	
8	765 kV	SATNA-ORAI	1	0	1047	0.0	19.8	-19.8	
9	765 kV	BANASKANTHA-CHITORGARH	2	815	680	3.6	0.0	3.6	
10	765 kV	VINDHYACHAL-VARANASI	2	0	3549	0.0	63.9	-63.9	
11	400 kV	ZERDA-KANKROLI	1	256	97	2.7	0.0	2.7	
12	400 kV	ZERDA-BHINMAL	1	658	145	5.6	0.0	5.6	
13	400 kV	VINDHYACHAL-RIHAND	1	965	0	22.0	0.0	22.0	
14	400 kV	RAPP-SHUJALPUR	2	342	558	1.5	5.1	-3.6	
15	220 kV	BHANPURA-RANPUR	1	0	0	0.0	0.0	0.0	
16	220 kV	BHANPURA-MORAK	1	0	30	1.4	0.0	1.4	
17	220 kV	MEHGAON-AURAIYA	1	84	1	0.0	0.0	0.0	
18	220 kV	MALANPUR-AURAIYA	1	51	32	0.7	0.0	0.7	
19	132 kV	GWALIOR-SAWAL MADHOPUR	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	59.2	277.3	-218.1
<b>Import/Export of WR (With SR)</b>									
1	HVDC	BHADRAWATI B/B	-	984	0	16.1	0.0	16.1	
2	HVDC	RAIGARH-PUGALUR	2	2870	1499	27.5	0.0	27.5	
3	765 kV	SOLAPUR-RAICHUR	2	1042	1832	7.2	5.3	2.0	
4	765 kV	WARDHA-NIZAMABAD	2	0	3359	0.0	36.8	-36.8	
5	400 kV	KOLHAPUR-KUDGI	2	1540	0	27.6	0.0	27.6	
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	102	1.9	0.0	1.9	
						WR-SR	80.3	42.1	38.2

INTERNATIONAL EXCHANGES

Import(+ve)/Export(-ve)

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)	682	0	637	15.3
	ER	400kV TALA-BINAGURI 1,2,4 (& 400kV MALBASE - BINAGURI) i.e. BINAGURI RECEIPT (from TALA HEP (6*700MW))	1085	0	1024	24.6
	ER	220kV CHUKHA-BIRPARA 1&2 (& 220kV MALBASE - BIRPARA) i.e. BIRPARA RECEIPT (from CHUKHA HEP 4*84MW)	254	0	147	3.5
	NER	132kV GELEPHU-SALAKATI	19	9	15	0.4
	NER	132kV MOTANGA-RANGIA	48	22	34	0.8
NEPAL	NR	132kV MAHENDRANAGAR-TANAKPUR(NHPC)	-70	0	-45	-1.1
	ER	NEPAL IMPORT (FROM BIHAR)	0	0	0	0.0
	ER	400kV DHALKEBAR-MUZAFFARPUR 1&2	373	176	270	6.5
BANGLADESH	ER	BHERAMARA B/B HVDC (BANGLADESH)	-919	-901	-907	-21.8
	NER	132kV COMILLA-SURAJMANI NAGAR 1&2	-160	0	-154	-3.7