



**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: 12<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 11.08.2022.**

महोदय/Dear Sir,

आईईजीसी-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 11-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 11<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: 12-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)	59774	43814	41936	24909	3470	173903
Peak Shortage (MW)	0	0	0	145	0	145
Energy Met (MU)	1409	1030	969	514	69	3991
Hydro Gen (MU)	349	78	175	132	33	766
Wind Gen (MU)	39	127	270	-	-	437
Solar Gen (MU)*	98.31	24.79	96.58	3.98	0.91	225
Energy Shortage (MU)	0.79	0.00	0.00	1.04	0.00	1.83
Maximum Demand Met During the Day (MW) (From NLDC SCADA)	69426	45628	43624	24921	3490	174192
Time Of Maximum Demand Met (From NLDC SCADA)	00:00	07:26	07:40	20:44	19:00	19:58

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	0.066	0.24	1.03	4.17	5.44	63.11	31.45

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	12905	0	289.0	180.3	-1.4	135	0.00
	Haryana	10259	0	207.0	140.9	-0.8	174	0.00
	Rajasthan	10738	0	239.5	66.0	-7.4	203	0.00
	Delhi	6328	0	113.9	104.4	-2.8	283	0.00
	UP	23089	0	445.1	203.0	-1.3	336	0.00
	Uttarakhand	1922	0	40.6	24.6	0.7	252	0.79
	HP	1452	0	24.5	-4.8	0.4	224	0.00
	J&K(UT) & Ladakh(UT)	2360	0	43.3	24.5	-6.9	147	0.00
	Chandigarh	305	0	6.1	6.9	-0.8	8	0.00
	WR	Chhattisgarh	3514	0	81.8	51.3	-0.4	487
Gujarat		13601	0	271.5	164.2	-5.9	500	0.00
MP		9205	0	201.1	80.3	0.0	736	0.00
Maharashtra		19664	0	419.4	140.4	-2.0	728	0.00
Goa		599	0	12.1	12.1	0.0	43	0.00
DNHDDPDCL		1158	0	25.1	24.6	0.5	136	0.00
AMNSIL		837	0	18.6	12.6	-0.6	229	0.00
SR	Andhra Pradesh	8765	0	188.6	23.3	1.8	329	0.00
	Telangana	10242	0	186.7	47.3	2.1	1192	0.00
	Karnataka	7885	0	172.3	6.2	-0.2	721	0.00
	Kerala	3613	0	72.7	29.2	-1.6	269	0.00
	Tamil Nadu	15883	0	338.6	126.6	-5.0	612	0.00
	Puducherry	443	0	9.9	9.3	-0.2	54	0.00
ER	Bihar	6561	0	121.2	109.2	1.1	304	0.48
	DVC	3361	0	69.2	-34.2	-0.3	262	0.00
	Jharkhand	1472	0	29.4	22.0	-0.8	159	0.56
	Odisha	6008	0	127.5	74.7	-0.6	357	0.00
	West Bengal	8269	0	165.3	47.7	0.4	437	0.00
NER	Sikkim	103	0	1.6	1.5	0.1	20	0.00
	Arunachal Pradesh	144	0	2.7	2.2	0.1	44	0.00
	Assam	2320	0	47.6	37.7	-0.2	96	0.00
	Manipur	207	0	2.7	2.7	0.1	22	0.00
	Meghalaya	351	0	6.2	3.1	-0.1	75	0.00
	Mizoram	110	0	1.8	0.5	-0.1	5	0.00
	Nagaland	155	0	2.9	2.4	0.0	11	0.00
	Tripura	305	0	5.4	4.1	-0.3	43	0.00

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

	Bhutan	Nepal	Bangladesh
Actual (MU)	43.4	5.0	-24.2
Day Peak (MW)	1944.0	308.0	-1003.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	266.1	-106.4	-72.2	-85.2	-2.2	0.0
Actual(MU)	253.9	-96.8	-76.8	-84.8	-1.1	-5.6
O/D/U/D(MU)	-12.2	9.6	-4.6	0.4	1.2	-5.6

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	TOTAL	% Share
Central Sector	5133	18946	7338	2820	579	34815	44
State Sector	7700	21114	11600	2960	109	43482	56
Total	12833	40059	18938	5780	688	78297	100

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India	% Share
Coal	677	872	383	500	13	2444	58
Lignite	24	10	43	0	0	77	2
Hvdro	357	78	175	132	33	775	19
Nuclear	25	40	47	0	0	112	3
Gas, Naptha & Diesel	16	2	7	0	29	54	1
RES (Wind, Solar, Biomass & Others)	154	153	408	4	1	720	17
Total	1252	1155	1064	635	76	4181	100

Share of RES in total generation (%)	12.27	13.25	38.38	0.63	1.20	17.22
Share of Non-fossil fuel (Hydro,Nuclear and RES) in total generation(%)	42.79	23.42	59.27	21.34	44.83	38.41

H. All India Demand Diversity Factor

Based on Regional Max Demands	1.074
Based on State Max Demands	1.114

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: 12-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	1151	0.0	28.4	-28.4	
2	HVDC	PUSAULI B/B	2	0	49	0.0	0.0	0.0	
3	765 kV	GAYALYARANASI	2	578	324	1.7	0.0	1.7	
4	765 kV	SASARAM-FATEHPUR	1	123	221	0.0	1.0	-1.0	
5	765 kV	GAYA-BALIA	1	0	766	0.0	11.5	-11.5	
6	400 kV	PUSAULI-VARANASI	1	7	74	0.0	0.8	-0.8	
7	400 kV	PUSAULI-ALLAHABAD	1	16	65	0.0	0.4	-0.4	
8	400 kV	MUZAFFARPUR-GORAKHPUR	2	0	968	0.0	14.5	-14.5	
9	400 kV	PATNA-BALIA	2	0	570	0.0	10.9	-10.9	
10	400 kV	NAUBATPUR-BALIA	2	0	658	0.0	10.3	-10.3	
11	400 kV	BIHARSHARIFF-BALIA	2	0	541	0.0	6.9	-6.9	
12	400 kV	MOTIHARI-GORAKHPUR	2	0	439	0.0	5.9	-5.9	
13	400 kV	BIHARSHARIFF-VARANASI	2	138	216	0.0	0.7	-0.7	
14	220 kV	SINPUR-BIKRAMNASHA	1	3	143	0.0	1.7	-1.7	
15	132 kV	NAGAR UNTARI-RIHAND	1	0	0	0.0	0.0	0.0	
16	132 kV	GARWAH-RIHAND	1	25	0	0.0	0.4	0.4	
17	132 kV	KARMANASA-SAHUPURI	1	0	0	0.0	0.0	0.0	
18	132 kV	KARMANASA-CHANDAULI	1	0	0	0.0	0.0	0.0	
						ER-NR	2.1	92.9	-90.8
<b>Import/Export of ER (With WR)</b>									
1	765 kV	JHARSUGUDA-DHARAMJAIGARH	4	629	0	11.9	0.0	11.9	
2	765 kV	NEW RANCHI-DHARAMJAIGARH	2	1205	450	19.2	0.0	19.2	
3	765 kV	JHARSUGUDA-DURG	2	0	314	0.0	1.5	-1.5	
4	400 kV	JHARSUGUDA-RAIGARH	4	0	312	0.0	2.1	-2.1	
5	400 kV	RANCHI-SIPAT	2	267	209	3.1	0.0	3.1	
6	220 kV	BUDHIPADAR-RAIGARH	1	72	18	0.7	0.0	0.7	
7	220 kV	BUDHIPADAR-KORBA	2	133	0	1.6	0.0	1.6	
						ER-WR	36.5	3.6	33.0
<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	1256	0.0	26.9	-26.9	
3	765 kV	ANGUL-SRIKAKULAM	2	0	2774	0.0	37.1	-37.1	
4	400 kV	TALCHER-I/C	2	803	242	9.9	0.0	9.9	
5	220 kV	BALMELA-UPPER-SILERRU	1	2	0	0.0	0.0	0.0	
						ER-SR	11.5	64.0	-52.5
<b>Import/Export of ER (With NER)</b>									
1	400 kV	BINAGURI-BONGAIGAON	2	0	398	0.0	5.2	-5.2	
2	400 kV	ALIPURDUAR-BONGAIGAON	2	103	386	0.0	3.1	-3.1	
3	220 kV	ALIPURDUAR-SALAKATI	2	0	114	0.0	1.5	-1.5	
						ER-NER	0.0	9.8	-9.8
<b>Import/Export of NER (With NR)</b>									
1	HVDC	BISWANATH CHARIALI-AGRA	2	0	502	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	3518	0.0	58.2	-58.2	
2	HVDC	VINDHYACHAL B/B	2	443	0	8.2	0.0	8.2	
3	HVDC	MUNDRA-MOHENDERGARH	2	0	513	0.0	12.2	-12.2	
4	765 kV	GWALIOR-AGRA	2	240	2101	0.2	26.1	-25.9	
5	765 kV	GWALIOR-PHAGI	2	734	1555	1.6	15.9	-14.2	
6	765 kV	JABALPUR-ORAI	2	14	1007	0.0	23.1	-23.1	
7	765 kV	GWALIOR-ORAI	1	750	0	10.4	0.0	10.4	
8	765 kV	SATNA-ORAI	1	0	1011	0.0	15.7	-15.7	
9	765 kV	BANASKANTHA-CHITORGARH	2	1250	360	7.0	0.0	7.0	
10	765 kV	VINDHYACHAL-VARANASI	2	0	3459	0.0	57.2	-57.2	
11	400 kV	ZERDA-KANKROLI	1	335	0	3.2	0.0	3.2	
12	400 kV	ZERDA-BHINMAL	1	761	0	8.5	0.0	8.5	
13	400 kV	VINDHYACHAL-RIHAND	1	964	0	18.5	0.0	18.5	
14	400 kV	RAPP-SHULIAPUR	2	0	191	0.0	1.6	-1.6	
15	220 kV	BHANPURA-RANPUR	1	0	0	0.0	0.0	0.0	
16	220 kV	BHANPURA-MORAK	1	0	30	0.0	2.1	-2.1	
17	220 kV	MEHGAON-AURAIYA	1	122	0	0.6	0.0	0.6	
18	220 kV	MALANPUR-AURAIYA	1	83	18	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	59.5	212.1	-152.7
<b>Import/Export of WR (With SR)</b>									
1	HVDC	BHADRAWATI B/B	-	987	0	22.6	0.0	22.6	
2	HVDC	RAIGARH-PUGALUR	2	2879	0	58.7	0.0	58.7	
3	765 kV	SOLAPUR-RAICHUR	2	1749	1923	12.1	6.6	5.4	
4	765 kV	WARDHA-NIZAMABAD	2	87	2958	0.0	27.7	-27.7	
5	400 kV	KOLHAPUR-KUDCI	2	1741	0	27.2	0.0	27.2	
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	100	1.9	0.0	1.9	
						WR-SR	122.5	34.3	88.2
<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)	694	0	525	12.6			
	ER	400KV TALA-BINAGURI 1,2,3 (& 400KV MALBASE - BINAGURI) i.e. BINAGURI RECEIPT (from TALA HEP (6*170MW))	1049	0	1005	24.1			
	ER	220KV CHUKHA-BIRPARA 1&2 (& 220KV MALBASE - BIRPARA) i.e. BIRPARA RECEIPT (from CHUKHA HEP 4*84MW)	352	166	335	8.0			
	NER	132KV GELEPHU-SALAKATI	-34	-9	-20	-0.5			
	NER	132KV MOTANGA-RANGIA	-51	-23	-39	-0.9			
NEPAL	NR	132KV MAHENDRANAGAR-TANAKPUR(NHPC)	-72	0	-45	-1.1			
	ER	NEPAL IMPORT (FROM BIHAR)	0	0	0	0.0			
BANGLADESH	ER	400KV DHALKEBAR-MUZAFFARPUR 1&2	380	0	254	6.1			
	NER	BHERAMARA B/B HVDC (BANGLADESH)	-928	-918	-921	-22.1			
		132KV COMILLA-SURAJMANI 1&2	-75	0	-87	-2.1			