



**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 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 09.08.2022.**

महोदय/Dear Sir,

आईईजीसी-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 09-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 09<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: 10-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)	64527	50283	38991	23169	3333	180303
Peak Shortage (MW)	392	0	0	389	0	781
Energy Met (MU)	1523	1160	879	510	64	4137
Hydro Gen (MU)	353	66	173	131	32	755
Wind Gen (MU)	8	91	266	-	-	364
Solar Gen (MU)*	116.29	33.99	76.48	3.88	0.74	231
Energy Shortage (MU)	5.55	0.00	0.00	0.52	0.00	6.07
Maximum Demand Met During the Day (MW) (From NLDC SCADA)	70324	50354	39499	24882	3333	180068
Time Of Maximum Demand Met (From NLDC SCADA)	23:02	09:48	09:56	00:01	20:42	19:44

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	0.035	0.00	0.39	3.36	3.75	72.89	23.37

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	13483	0	302.8	182.6	-1.3	64	0.00
	Haryana	10353	0	220.6	147.1	1.4	277	0.69
	Rajasthan	11713	0	256.2	87.2	0.5	370	0.44
	Delhi	6233	0	123.7	113.4	-1.1	130	0.00
	UP	24476	0	476.9	215.5	2.1	536	3.25
	Uttarakhand	2221	0	49.3	25.5	0.4	98	0.59
	HP	1661	0	33.5	-8.5	-1.0	72	0.58
	J&K(UT) & Ladakh(UT)	2612	0	53.1	30.1	-2.1	209	0.00
	Chandigarh	365	0	7.3	7.0	0.3	45	0.00
	Chhattisgarh	4213	0	96.5	63.2	-1.7	236	0.00
WR	Gujarat	15370	0	342.4	224.9	-2.3	673	0.00
	MP	10021	0	228.6	123.3	0.0	408	0.00
	Maharashtra	19829	0	434.1	148.7	-1.9	948	0.00
	Goa	580	0	11.7	11.9	-0.2	35	0.00
	DNHDDPDCL	1187	0	27.7	27.6	0.1	167	0.00
	AMNSIL	849	0	19.2	12.9	-0.4	220	0.00
	Andhra Pradesh	7818	0	172.0	2.8	-2.8	567	0.00
SR	Telangana	7953	0	153.0	52.1	0.5	439	0.00
	Karnataka	7480	0	151.4	1.6	-4.3	799	0.00
	Kerala	3444	0	70.5	27.0	-1.7	178	0.00
	Tamil Nadu	14933	0	322.3	115.7	-1.8	755	0.00
	Puducherry	424	0	9.5	8.9	-0.1	50	0.00
	Bihar	6471	0	117.6	107.7	1.2	372	0.36
ER	DVC	3318	0	69.8	-38.7	-0.8	271	0.00
	Jharkhand	1429	115	27.0	21.2	-2.9	136	0.16
	Odisha	5887	0	126.7	69.8	0.5	684	0.00
	West Bengal	8512	0	167.8	50.3	-1.0	352	0.00
	Sikkim	90	0	1.5	2.0	-0.6	1	0.00
	Arunachal Pradesh	139	0	2.4	2.0	0.0	24	0.00
NER	Assam	2246	0	43.2	35.0	-0.3	88	0.00
	Manipur	198	0	2.7	2.6	0.1	23	0.00
	Meghalaya	337	0	5.9	3.1	-0.3	32	0.00
	Mizoram	103	0	1.8	0.6	-0.2	1	0.00
	Nagaland	151	0	2.9	2.5	-0.1	18	0.00
	Tripura	292	0	5.5	4.5	-0.2	52	0.00

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

	Bhutan	Nepal	Bangladesh
Actual (MU)	41.5	6.7	-24.8
Day Peak (MW)	2010.0	279.5	-1087.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	302.4	-69.1	-109.6	-119.6	-4.1	0.0
Actual(MU)	308.9	-59.6	-122.2	-123.1	-5.9	-1.8
O/D/U/D(MU)	6.5	9.5	-12.6	-3.5	-1.7	-1.8

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	TOTAL	% Share
Central Sector	6179	15256	7748	1910	579	31671	42
State Sector	8210	20276	13205	2540	109	44339	58
Total	14389	35531	20953	4450	688	76010	100

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India	% Share
Coal	741	1007	363	537	15	2663	62
Lignite	27	10	48	0	0	85	2
Hydro	355	66	173	131	32	757	18
Nuclear	24	39	47	0	0	111	3
Gas, Naptha & Diesel	15	3	8	0	29	56	1
RES (Wind, Solar, Biomass & Others)	146	126	378	4	1	655	15
Total	1310	1252	1017	672	76	4327	100

Share of RES in total generation (%)	11.17	10.06	37.18	0.58	0.97	15.14
Share of Non-fossil fuel (Hydro,Nuclear and RES) in total generation(%)	40.18	18.52	58.82	20.04	42.53	35.20

H. All India Demand Diversity Factor

Based on Regional Max Demands	1.046
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.

Executive Director-NLDC

INTER-REGIONAL EXCHANGES

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

Date of Reporting: 10-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	1501	0.0	34.7	-34.7	
2	HVDC	PUSAULI B/B	2	0	49	0.0	1.3	-1.3	
3	765 kV	GAYALYARANASI	2	279	597	0.0	2.7	-2.7	
4	765 kV	SASARAM-FATEHPUR	1	0	487	0.0	5.6	-5.6	
5	765 kV	GAYA-BALIA	1	0	837	0.0	13.3	-13.3	
6	400 kV	PUSAULI-VARANASI	1	50	38	0.1	0.0	0.1	
7	400 kV	PUSAULI-ALLAHABAD	1	0	109	0.0	1.3	-1.3	
8	400 kV	MUZAFFARPUR-GORAKHPUR	2	0	1050	0.0	19.8	-19.8	
9	400 kV	PATNA-BALIA	2	0	646	0.0	11.9	-11.9	
10	400 kV	NAUBATPUR-BALIA	2	0	689	0.0	12.2	-12.2	
11	400 kV	BIHARSHARIFF-BALIA	2	0	675	0.0	10.5	-10.5	
12	400 kV	MOTIHARI-GORAKHPUR	2	0	522	0.0	8.2	-8.2	
13	400 kV	BIHARSHARIFF-VARANASI	2	20	339	0.0	2.4	-2.4	
14	220 kV	SINHPUR-KARMANASA	1	0	189	0.0	2.8	-2.8	
15	132 kV	NAGAR UNTARI-RIHAND	1	0	0	0.1	0.0	0.1	
16	132 kV	GARWAH-RIHAND	1	25	0	0.3	0.0	0.3	
17	132 kV	KARMANASA-SAHUPURI	1	0	1	0.0	0.0	0.0	
18	132 kV	KARMANASA-CHANDAULI	1	0	0	0.0	0.0	0.0	
						ER-NR	0.4	126.7	-126.2
<b>Import/Export of ER (With WR)</b>									
1	765 kV	JHARSUGUDA-DHARAMJAIGARH	4	629	0	3.9	0.0	3.9	
2	765 kV	NEW RANCHI-DHARAMJAIGARH	2	1513	0	23.7	0.0	23.7	
3	765 kV	JHARSUGUDA-DURG	2	0	314	0.0	3.0	-3.0	
4	400 kV	JHARSUGUDA-RAIGARH	4	0	312	0.0	8.0	-8.0	
5	400 kV	RANCHI-SIPAT	2	296	47	3.4	0.0	3.4	
6	220 kV	BUDHIPADAR-RAIGARH	1	37	68	0.0	0.4	-0.4	
7	220 kV	BUDHIPADAR-KORBA	2	44	68	0.0	0.2	-0.2	
						ER-WR	30.9	11.5	19.4
<b>Import/Export of ER (With SR)</b>									
1	HVDC	JEYPORE-GAZUWAKA B/B	2	487	0	9.7	0.0	9.7	
2	HVDC	TALCHER-KOLAR BIPOLE	2	0	1247	0.0	23.9	-23.9	
3	765 kV	ANGUL-SRIKAKULAM	2	0	2362	0.0	34.3	-34.3	
4	400 kV	TALCHER-T/C	2	1196	183	13.3	0.0	13.3	
5	220 kV	BALIMELA-UPPER-SILERRU	1	2	0	0.0	0.0	0.0	
						ER-SR	9.7	58.2	-48.5
<b>Import/Export of ER (With NER)</b>									
1	400 kV	BINAGURI-BONGAIGAON	2	6	327	0.0	4.0	-4.0	
2	400 kV	ALIPURDUAR-BONGAIGAON	2	310	270	0.0	0.2	-0.2	
3	220 kV	ALIPURDUAR-SALAKATI	2	12	86	0.0	0.9	-0.9	
						ER-NER	0.0	5.0	-5.0
<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	4007	0.0	42.5	-42.5	
2	HVDC	VINDHYACHAL B/B	2	447	0	12.2	0.0	12.2	
3	HVDC	MUNDRA-MOHINDERGARH	2	0	310	0.0	7.4	-7.4	
4	765 kV	GWALIOR-AGRA	2	0	2316	0.0	31.4	-31.4	
5	765 kV	GWALIOR-PHAGI	2	0	2012	0.0	30.1	-30.1	
6	765 kV	JABALPUR-ORAI	2	0	1263	0.0	38.2	-38.2	
7	765 kV	GWALIOR-ORAI	1	632	0	11.0	0.0	11.0	
8	765 kV	SATNA-ORAI	1	0	1099	0.0	20.4	-20.4	
9	765 kV	BANASKANTHA-CHITORGARH	2	1140	110	16.7	0.0	16.7	
10	765 kV	VINDHYACHAL-VARANASI	2	0	3631	0.0	64.4	-64.4	
11	400 kV	ZERDA-KANKROLI	1	259	60	2.9	0.0	2.9	
12	400 kV	ZERDA-JBHINMAL	1	592	116	5.2	0.0	5.2	
13	400 kV	VINDHYACHAL-RIHAND	1	962	0	20.8	0.0	20.8	
14	400 kV	RAPP-SHULIAPUR	2	0	219	0.0	5.3	-5.3	
15	220 kV	BHANPURA-RANPUR	1	0	0	0.0	0.0	0.0	
16	220 kV	BHANPURA-MORAK	1	0	30	0.0	2.3	-2.3	
17	220 kV	MEHGAON-AURAIYA	1	104	0	0.5	0.0	0.5	
18	220 kV	MALANPUR-AURAIYA	1	65	6	1.3	0.0	1.3	
19	132 kV	GWALIOR-SAWALMADHOPUR	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	70.7	241.9	-171.3
<b>Import/Export of WR (With SR)</b>									
1	HVDC	BHADRAWATI B/B	-	987	0	24.0	0.0	24.0	
2	HVDC	RAIGARH-PUGALUR	2	2882	0	68.8	0.0	68.8	
3	765 kV	SOLAPUR-RAICHUR	2	2068	482	20.4	0.0	20.4	
4	765 kV	WARDHA-NIZAMABAD	2	327	1773	0.0	18.5	-18.5	
5	400 kV	KOLHAPUR-KUDCI	2	1764	0	34.5	0.0	34.5	
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	97	1.8	0.0	1.8	
						WR-SR	149.5	18.5	131.0
<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)	730	0	686	16.5			
	ER	400kV TALA-BINAGURI 1,2,4 (& 400kV MALBASE - BINAGURI) I.e. BINAGURI RECEIPT (from TALA HEP (6*170MW) 220kV CHUKHA-BIRPARA 1&2 (& 220kV MALBASE - BIRPARA) I.e. BIRPARA RECEIPT (from CHUKHA HEP 4*84MW)	1060	0	1038	24.9			
	ER	132kV GELEPHU-SALAKATI	-19	-4	-12	-0.3			
	NER	132kV MOTANGA-RANGIA	-48	-19	-37	-0.9			
	NR	132kV MAHENDRANAGAR-TANAKPUR(NHPC)	0	0	0	-0.8			
NEPAL	ER	NEPAL IMPORT (FROM BHAR)	-13	0	-1	0.0			
	ER	400kV DHALKEBAR-MUZAFFARPUR 1&2	360	227	314	7.5			
BANGLADESH	ER	BHERAMARA B/B HVDC (BANGLADESH)	-931	-926	-927	-22.3			
	NER	132kV COMILLA-SURAJMANI NAGAR 1&2	-156	0	-106	-2.5			