



**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: 25<sup>th</sup> October 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 24.10.2022.**

महोदय/Dear Sir,

आईईजीसी-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 24-अक्टूबर-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 24<sup>th</sup> Oct 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: 25-Oct-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 19:00 hrs; from RLDCs)	38658	40527	32566	21053	1766	134570
Peak Shortage (MW)	0	0	0	0	0	0
Energy Met (MU)	918	1002	773	463	39	3195
Hydro Gen (MU)	173	43	142	96	20	474
Wind Gen (MU)	4	26	31	-	-	60
Solar Gen (MU)*	112.57	54.13	109.14	5.85	0.16	282
Energy Shortage (MU)	0.25	0.00	0.00	0.00	0.00	0.25
Maximum Demand Met During the Day (MW) (From NLDC SCADA)	43669	46210	36051	21649	2003	145478
Time Of Maximum Demand Met (From NLDC SCADA)	08:13	06:55	09:13	18:01	17:25	07:45

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	0.062	0.00	0.57	3.76	4.33	59.04	36.63

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	5492	0	109.2	47.5	0.5	299	0.00
	Haryana	4994	0	106.8	58.0	-1.7	63	0.00
	Rajasthan	11673	0	225.6	75.9	-0.2	398	0.00
	Delhi	2994	0	61.0	54.4	-1.9	134	0.00
	UP	14735	0	313.5	106.7	-1.1	341	0.00
	Uttarakhand	1463	0	26.4	10.3	-0.4	128	0.00
	HP	1182	0	20.0	4.6	-1.5	106	0.00
	J&K(UT) & Ladakh(UT)	2556	0	52.4	43.6	-0.4	467	0.25
	Chandigarh	158	0	2.9	3.3	-0.4	6	0.00
	WR	Chhattisgarh	3831	0	86.0	34.0	-0.2	173
Gujarat		13784	0	296.6	192.4	0.9	980	0.00
MP		9999	0	200.1	100.5	-1.8	544	0.00
Maharashtra		18267	0	378.2	125.1	1.4	917	0.00
Goa		478	0	9.0	10.6	-1.7	41	0.00
DNHDDPDCL		990	0	16.4	16.8	-0.4	0	0.00
AMNSIL		731	0	15.3	9.1	0.0	304	0.00
SR	Andhra Pradesh	8565	0	172.5	61.4	-0.1	506	0.00
	Telangana	8847	0	163.4	-0.5	1.7	648	0.00
	Karnataka	7647	0	152.1	40.7	-2.0	624	0.00
	Kerala	3597	0	72.1	47.0	0.6	221	0.00
	Tamil Nadu	10168	0	206.7	122.7	-0.9	627	0.00
	Puducherry	283	0	6.1	7.1	-1.6	63	0.00
ER	Bihar	5199	0	103.5	92.6	1.6	124	0.00
	DVC	3229	0	68.7	-19.4	0.1	373	0.00
	Jharkhand	1617	0	31.6	20.9	-0.9	156	0.00
	Odisha	5842	0	127.0	47.9	0.4	359	0.00
	West Bengal	6895	0	130.8	15.6	-0.4	376	0.00
NER	Sikkim	76	0	1.0	1.2	-0.2	22	0.00
	Arunachal Pradesh	117	0	2.0	2.1	-0.3	14	0.00
	Assam	1180	0	23.5	17.3	-0.5	129	0.00
	Manipur	169	0	2.2	2.4	-0.2	21	0.00
	Meghalaya	319	0	5.8	3.7	-0.5	101	0.00
	Mizoram	90	0	1.5	0.7	-0.2	4	0.00
	Nagaland	137	0	1.8	1.4	-0.1	34	0.00
	Tripura	209	0	2.7	2.1	-0.4	102	0.00

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

	Bhutan	Nepal	Bangladesh
Actual (MU)	19.2	9.5	-18.8
Day Peak (MW)	973.0	428.0	-1056.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	111.5	-15.6	11.2	-95.1	-12.3	-0.4
Actual(MU)	106.9	-16.9	8.1	-91.3	-11.9	-5.2
O/D/U/D(MU)	-4.6	-1.3	-3.1	3.8	0.4	-4.8

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	TOTAL	% Share
Central Sector	8512	20691	10018	3200	342	42763	49
State Sector	9990	19986	11105	3410	221	44712	51
Total	18502	40677	21123	6610	563	87474	100

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India	% Share
Coal	514	860	346	468	10	2198	66
Lignite	27	11	53	0	0	91	3
Hvdro	175	43	142	96	20	475	14
Nuclear	31	41	66	0	0	137	4
Gas, Naptha & Diesel	12	2	7	0	27	47	1
RES (Wind, Solar, Biomass & Others)	124	80	193	6	0	402	12
Total	882	1037	806	570	57	3351	100

Share of RES in total generation (%)	14.01	7.75	23.90	1.03	0.28	12.01
Share of Non-fossil fuel (Hydro,Nuclear and RES) in total generation(%)	37.31	15.82	49.67	17.85	34.59	30.28

H. All India Demand Diversity Factor

Based on Regional Max Demands	1.028
Based on State Max Demands	1.083

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: 25-Oct-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	742	0.0	17.4	-17.4	
2	HVDC	PUSAULI-B/B	-	0	348	0.0	8.6	-8.6	
3	765 kV	GAYALYARANASI	2	504	636	1.7	0.0	1.7	
4	765 kV	SASARAM-FATEHPUR	1	142	576	0.0	3.0	-3.0	
5	765 kV	GAYA-BALIA	1	0	456	0.0	6.6	-6.6	
6	400 kV	PUSAULI-VARANASI	1	0	235	0.0	4.9	-4.9	
7	400 kV	PUSAULI-ALLAHABAD	1	0	211	0.0	3.7	-3.7	
8	400 kV	MUZAFFARPUR-GORAKHPUR	2	0	974	0.0	12.7	-12.7	
9	400 kV	PATNA-BALIA	2	0	506	0.0	5.1	-5.1	
10	400 kV	NAUBATPUR-BALIA	2	0	534	0.0	4.4	-4.4	
11	400 kV	BIHARSHARIFF-BALIA	2	96	362	0.0	1.8	-1.8	
12	400 kV	MOTIHARI-GORAKHPUR	2	0	549	0.0	6.2	-6.2	
13	400 kV	BIHARSHARIFF-VARANASI	2	189	297	0.3	0.0	0.3	
14	220 kV	SINHPUR-KARMANASA	1	0	73	0.0	0.7	-0.7	
15	132 kV	NAGAR UNTARI-RIHAND	1	0	0	0.0	0.0	0.0	
16	132 kV	GARWAH-RIHAND	1	25	0	0.5	0.0	0.5	
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	2.4	75.0	-72.7
<b>Import/Export of ER (With WR)</b>									
1	765 kV	JHARSUGUDA-DHARAMJAIGARH	4	983	644	4.3	0.0	4.3	
2	765 kV	NEW RANCHI-DHARAMJAIGARH	2	1249	251	9.5	0.0	9.5	
3	765 kV	JHARSUGUDA-DURG	2	138	460	0.0	4.4	-4.4	
4	400 kV	JHARSUGUDA-RAIGARH	4	216	436	0.0	1.9	-1.9	
5	400 kV	RANCHI-SIPAT	2	340	130	2.1	0.0	2.1	
6	220 kV	BUDHIPADAR-RAIGARH	1	47	104	0.0	0.4	-0.4	
7	220 kV	BUDHIPADAR-KORBA	2	174	0	2.8	0.0	2.8	
						ER-WR	18.6	6.7	11.8
<b>Import/Export of ER (With SR)</b>									
1	HVDC	JEYPORE-GAZUWAKA B/B	2	291	0	7.2	0.0	7.2	
2	HVDC	TALCHER-KOLAR BIPOLE	2	0	1654	0.0	39.6	-39.6	
3	765 kV	ANGUL-SRIKAKULAM	2	0	2528	0.0	35.8	-35.8	
4	400 kV	TALCHER-I/C	2	250	671	0.0	4.8	-4.8	
5	220 kV	BALIMELA-UPPER-SILERRU	1	0	0	0.0	0.0	0.0	
						ER-SR	7.2	75.4	-68.2
<b>Import/Export of ER (With NER)</b>									
1	400 kV	BINAGURI-BONGAIGAON	2	142	434	0.0	5.2	-5.2	
2	400 kV	ALIPURDUAR-BONGAIGAON	2	446	240	0.4	0.0	0.4	
3	220 kV	ALIPURDUAR-SALAKATI	2	69	51	0.0	0.3	-0.3	
						ER-NER	0.4	5.5	-5.2
<b>Import/Export of NER (With NR)</b>									
1	HVDC	BISWANATH CHARIALI-AGRA	2	0	741	0.0	17.5	-17.5	
						NER-NR	0.0	17.5	-17.5
<b>Import/Export of WR (With NR)</b>									
1	HVDC	CHAMPACKURUKSHETRA	2	0	700	0.0	16.9	-16.9	
2	HVDC	VINDHYACHAL-B/B	-	444	0	12.1	0.0	12.1	
3	HVDC	MUNDRA-MOHINDERGARH	2	0	0	0.0	0.0	0.0	
4	765 kV	GWALIOR-AGRA	2	0	1450	0.0	20.5	-20.5	
5	765 kV	GWALIOR-PHAGI	2	284	2173	0.6	25.0	-24.4	
6	765 kV	JABALPUR-ORAI	2	0	515	0.0	15.4	-15.4	
7	765 kV	GWALIOR-ORAI	1	964	0	14.7	0.0	14.7	
8	765 kV	SATNA-ORAI	1	0	809	0.0	14.4	-14.4	
9	765 kV	BANASKANTHA-CHITORGARH	2	2068	0	38.8	0.0	38.8	
10	765 kV	VINDHYACHAL-VARANASI	2	0	2100	0.0	36.6	-36.6	
11	400 kV	ZERDA-KANKROLI	1	349	0	6.3	0.0	6.3	
12	400 kV	ZERDA-BHINMAL	1	544	0	7.6	0.0	7.6	
13	400 kV	VINDHYACHAL-RIHAND	1	959	0	19.7	0.0	19.7	
14	400 kV	RAPP-SHULIAPUR	2	340	406	1.7	2.7	-1.0	
15	220 kV	BHANPURA-RANPUR	1	0	0	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	79	0	0.6	0.0	0.6	
18	220 kV	MALANPUR-AURAIYA	1	57	0	0.8	0.0	0.8	
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	103.0	132.2	-29.2
<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	0	1000	0.0	24.2	-24.2	
3	765 kV	SOIAPUR-RAICHUR	2	2590	1220	19.7	3.7	16.0	
4	765 kV	WARDHA-NIZAMABAD	2	810	1767	1.9	14.0	-12.1	
5	400 kV	KOLHAPUR-KUDCI	2	1167	0	17.7	0.0	17.7	
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	92	2.2	0.0	2.2	
						WR-SR	65.5	41.8	23.7

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)	312	205	217	5.2	
		400kV TALA-BINAGURI 1,2,3 (& 400kV MALBASE - BINAGURI) i.e. BINAGURI RECEIPT (from TALA HEP (6*170MW)	549	509	538	12.9	
	NER	220kV CHUKHA-BIRPARA 1&2 (& 220kV MALBASE - BIRPARA) i.e. BIRPARA RECEIPT (from CHUKHA HEP 4*84MW)	148	108	117	2.8	
		132kV GELEPHU-SALAKATI	-16	-7	-7	-0.2	
NEPAL	NER	132kV MAHENDRANAGAR-TANAKPUR(NHPC)	0	0	0	-0.1	
	ER	NEPAL IMPORT (FROM BHAR)	0	0	0	0.0	
BANGLADESH	ER	400kV DHALKEBAR-MUZAFFARPUR 1&2	428	344	400	9.6	
	NER	BHERAMARA B/B HVDC (BANGLADESH)	-928	-154	-717	-17.2	
		132kV COMILLA-SURAJMANI NAGAR 1&2	-128	0	-68	-1.6	