



**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: 23<sup>st</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 22.10.2022.**

महोदय/Dear Sir,

आईईजीसी-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 22-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 22<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: 23-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)	48494	51521	39833	23068	2954	165870
Peak Shortage (MW)	0	0	0	256	0	256
Energy Met (MU)	1078	1190	875	488	54	3685
Hydro Gen (MU)	174	54	138	98	20	484
Wind Gen (MU)	13	74	25	-	-	112
Solar Gen (MU)*	110.68	52.25	107.14	5.68	0.94	277
Energy Shortage (MU)	0.89	0.00	0.00	1.09	0.00	1.98
Maximum Demand Met During the Day (MW) (From NLDC SCADA)	50600	54166	40264	23667	3087	171143
Time Of Maximum Demand Met (From NLDC SCADA)	18:48	18:48	18:38	18:30	17:39	18:47

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	0.022	0.00	0.00	0.54	0.54	82.26	17.20

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	6589	0	140.7	61.3	-1.2	36	0.00
	Haryana	6801	0	142.7	75.6	-3.1	66	0.00
	Rajasthan	12483	0	254.8	92.1	1.2	305	0.00
	Delhi	3765	0	76.2	68.9	-1.1	178	0.00
	UP	16864	0	340.6	116.8	-0.5	265	0.00
	Uttarakhand	1846	0	37.3	19.5	0.3	189	0.15
	HP	1646	0	30.3	13.2	-0.5	38	0.00
	J&K(UT) & Ladakh(UT)	2555	0	52.1	41.8	2.7	311	0.74
WR	Chandigarh	185	0	3.5	3.7	-0.3	10	0.00
	Chhattisgarh	4199	0	94.2	41.3	-0.9	259	0.00
	Gujarat	17814	0	380.3	228.4	-2.0	790	0.00
	MP	10085	0	210.2	102.7	0.0	397	0.00
	Maharashtra	21047	0	451.3	164.2	-1.2	667	0.00
	Goa	603	0	11.7	13.1	-1.5	128	0.00
SR	DNHDDPDCL	1170	0	26.9	26.9	0.0	95	0.00
	AMNSIL	719	0	14.9	7.8	0.6	301	0.00
	Andhra Pradesh	8093	0	178.1	64.8	-0.3	407	0.00
	Telangana	8740	0	170.5	0.6	0.5	607	0.00
	Karnataka	7709	0	157.0	40.6	-2.3	553	0.00
	Kerala	3732	0	74.5	46.8	0.3	195	0.00
	Tamil Nadu	13421	0	287.4	162.0	-0.1	431	0.00
	Puducherry	367	0	7.8	8.4	-0.6	20	0.00
ER	Bihar	5506	0	101.0	91.5	-1.6	146	0.03
	DVC	3376	0	71.9	-27.5	0.1	445	0.00
	Jharkhand	1547	0	31.0	20.4	-0.3	130	1.06
	Odisha	5508	0	118.6	42.9	-1.1	229	0.00
	West Bengal	8401	0	164.4	23.7	-0.8	317	0.00
NER	Sikkim	90	0	1.4	1.4	-0.1	31	0.00
	Arunachal Pradesh	119	0	2.2	2.2	-0.2	26	0.00
	Assam	1907	0	33.2	26.0	0.1	101	0.00
	Manipur	202	0	2.6	2.5	0.1	72	0.00
	Meghalaya	347	0	6.4	3.6	0.3	63	0.00
	Mizoram	114	0	1.7	0.7	-0.2	24	0.00
	Nagaland	146	0	2.4	1.9	0.0	18	0.00
	Tripura	304	0	5.3	4.7	0.0	35	0.00

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

	Bhutan	Nepal	Bangladesh
Actual (MU)	18.2	9.2	-26.2
Day Peak (MW)	1047.0	379.0	-1110.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	155.5	-27.3	13.6	-137.9	-3.9	0.0
Actual(MU)	156.2	-35.8	10.0	-132.6	-1.2	-3.4
O/D/U/D(MU)	0.7	-8.6	-3.6	5.3	2.7	-3.4

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	TOTAL	% Share
Central Sector	6932	18641	7158	1540	342	34613	49
State Sector	7570	16941	9055	2810	78	36454	51
Total	14502	35582	16213	4350	420	71006	100

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India	% Share
Coal	622	1006	463	545	12	2647	69
Lignite	28	14	56	0	0	98	3
Hvdro	176	54	138	98	20	486	13
Nuclear	31	40	69	0	0	140	4
Gas, Naptha & Diesel	12	2	6	0	30	49	1
RES (Wind, Solar, Biomass & Others)	129	127	182	6	1	445	12
Total	997	1243	913	648	62	3864	100
Share of RES in total generation (%)	12.95	10.23	19.91	0.87	1.51	11.51	
Share of Non-fossil fuel (Hydro,Nuclear and RES) in total generation(%)	33.65	17.85	42.57	15.91	33.81	27.70	

H. All India Demand Diversity Factor

Based on Regional Max Demands	1.004
Based on State Max Demands	1.040

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: 23-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	741	0.0	15.2	-15.2	
2	HVDC	PUSAULI B/B	2	2	346	0.0	5.4	-5.4	
3	765 kV	GAYALYARANASI	2	362	828	0.0	3.4	-3.4	
4	765 kV	SASARAM-FATEHPUR	1	0	644	0.0	7.2	-7.2	
5	765 kV	GAYA-BALIA	1	0	491	0.0	8.9	-8.9	
6	400 kV	PUSAULI-VARANASI	1	50	212	0.0	2.6	-2.6	
7	400 kV	PUSAULI-ALLAHABAD	1	0	226	0.0	2.8	-2.8	
8	400 kV	MUZAFFARPUR-GORAKHPUR	2	0	1159	0.0	15.7	-15.7	
9	400 kV	PATNA-BALIA	2	0	548	0.0	6.4	-6.4	
10	400 kV	NAUBATPUR-BALIA	2	0	584	0.0	6.5	-6.5	
11	400 kV	BIHARSHARIFF-BALIA	2	68	420	0.0	3.0	-3.0	
12	400 kV	MOTIHARI-GORAKHPUR	2	0	627	0.0	8.3	-8.3	
13	400 kV	BIHARSHARIFF-VARANASI	2	89	385	0.0	2.3	-2.3	
14	220 kV	SINPUR-BIKRAMNASHA	1	0	126	0.0	1.4	-1.4	
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	44	0.0	0.0	0.0	
18	132 kV	KARMANASA-CHANDAULI	1	0	0	0.0	0.0	0.0	
						ER-NR	0.5	89.0	-88.5
<b>Import/Export of ER (With WR)</b>									
1	765 kV	JHARSUGUDA-DHARAMJAIGARH	4	657	695	0.0	0.8	-0.8	
2	765 kV	NEW RANCHI-DHARAMJAIGARH	2	1340	296	12.5	0.0	12.5	
3	765 kV	JHARSUGUDA-DURG	2	0	559	0.0	8.4	-8.4	
4	400 kV	JHARSUGUDA-RAIGARH	4	47	612	0.0	7.3	-7.3	
5	400 kV	RANCHI-SIPAT	2	320	150	1.9	0.0	1.9	
6	220 kV	BUDHIPADAR-RAIGARH	1	36	95	0.0	0.7	-0.7	
7	220 kV	BUDHIPADAR-KORBA	2	178	0	2.1	0.0	2.1	
						ER-WR	16.5	17.2	-0.7
<b>Import/Export of ER (With SR)</b>									
1	HVDC	JEYPORE-GAZUWAKA B/B	2	0	561	0.0	12.5	-12.5	
2	HVDC	TALCHER-KOLAR BIPOLE	2	0	1195	0.0	28.9	-28.9	
3	765 kV	ANGUL-SRIKAKULAM	2	0	2708	0.0	33.9	-33.9	
4	400 kV	TALCHER-I/C	2	700	195	12.7	0.0	12.7	
5	220 kV	BALMELA-UPPER-SILERRU	1	0	0	0.0	0.0	0.0	
						ER-SR	0.0	75.3	-75.3
<b>Import/Export of ER (With NER)</b>									
1	400 kV	BINAGURI-BONGAIGAON	2	0	564	0.0	8.2	-8.2	
2	400 kV	ALIPURDUAR-BONGAIGAON	2	0	421	0.0	4.9	-4.9	
3	220 kV	ALIPURDUAR-SALAKATI	2	0	67	0.0	1.0	-1.0	
						ER-NER	0.0	14.1	-14.1
<b>Import/Export of NER (With NR)</b>									
1	HVDC	BISWANATH CHARIALI-AGRA	2	0	741	0.0	16.3	-16.3	
						NER-NR	0.0	16.3	-16.3
<b>Import/Export of WR (With NR)</b>									
1	HVDC	CHAMPA-KURUKSHETRA	2	0	709	0.0	16.7	-16.7	
2	HVDC	VINDHYACHAL B/B	2	441	0	12.2	0.0	12.2	
3	HVDC	MUNDRA-MOHENDERGARH	2	0	0	0.0	0.0	0.0	
4	765 kV	GWALIOR-AGRA	2	0	1696	0.0	30.2	-30.2	
5	765 kV	GWALIOR-PHAGI	2	0	2079	0.0	31.1	-31.1	
6	765 kV	JABALPUR-ORAI	2	0	534	0.0	21.0	-21.0	
7	765 kV	GWALIOR-ORAI	1	940	0	16.9	0.0	16.9	
8	765 kV	SATNA-ORAI	1	0	806	0.0	17.2	-17.2	
9	765 kV	BANASKANTHA-CHITORGARH	2	1912	0	32.7	0.0	32.7	
10	765 kV	VINDHYACHAL-VARANASI	2	0	2358	0.0	35.6	-35.6	
11	400 kV	ZERDA-KANKROLI	1	320	0	5.5	0.0	5.5	
12	400 kV	ZERDA-BHINMAL	1	538	0	7.4	0.0	7.4	
13	400 kV	VINDHYACHAL-RIHAND	1	969	0	21.7	0.0	21.7	
14	400 kV	RAPP-SHULIAPUR	2	136	438	0.2	4.5	-4.3	
15	220 kV	BHANPURA-RANPUR	1	0	0	0.0	0.0	0.0	
16	220 kV	BHANPURA-MORAK	1	0	30	0.0	0.8	-0.8	
17	220 kV	MEHGAON-AURAIYA	1	68	0	0.4	0.0	0.4	
18	220 kV	MALANPUR-AURAIYA	1	46	11	0.8	0.0	0.8	
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	97.7	157.0	-59.3
<b>Import/Export of WR (With SR)</b>									
1	HVDC	BHADRAWATI B/B	-	791	316	9.1	3.6	5.5	
2	HVDC	RAIGARH-PUGALUR	2	968	999	0.0	2.8	-2.8	
3	765 kV	SOLAPUR-RAICHUR	2	2839	1394	22.6	5.1	17.6	
4	765 kV	WARDHA-NIZAMABAD	2	1311	1960	4.8	13.6	-8.7	
5	400 kV	KOLHAPUR-KUDCI	2	1429	0	8.1	0.0	8.1	
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	112	2.3	0.0	2.3	
						WR-SR	46.9	25.0	21.9
<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)	281	0	163	3.9			
		400KV TALA-BINAGURI 1,2,3 (& 400KV MALBASE - BINAGURI) i.e. BINAGURI RECEIPT (from TALA HEP (6*170MW))	678	0	523	12.5			
	ER	220KV CHUKHA-BIRPARA 1&2 (& 220KV MALBASE - BIRPARA) i.e. BIRPARA RECEIPT (from CHUKHA HEP 4*84MW)	135	0	115	2.8			
	NER	132KV GELEPHU-SALAKATI	-22	-9	-15	-0.4			
	NER	132KV MOTANGA-RANGIA	-34	-22	-28	-0.7			
NEPAL	NR	132KV MAHENDRANAGAR-TANAKPUR(NHPC)	-15	0	-1	0.0			
	ER	NEPAL IMPORT (FROM BIHAR)	0	0	0	0.0			
BANGLADESH	ER	400KV DHALKEBAR-MUZAFFARPUR 1&2	394	305	386	9.3			
	NER	BHERAMARA B/B HVDC (BANGLADESH)	-940	-936	-938	-22.5			
		132KV COMILLA-SURAJMANNAGAR 1&2	-170	0	-153	-3.7			