



**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: 27<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 26.10.2022.**

महोदय/Dear Sir,

आईईजीसी-2010 की धारा स.-5.5.1 के प्रावधान के अनुसार, दिनांक 26-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 26<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:

27-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)	42768	43028	40086	22123	2509	150514
Peak Shortage (MW)	0	0	0	644	0	644
Energy Met (MU)	911	991	895	475	43	3315
Hydro Gen (MU)	164	32	148	94	34	472
Wind Gen (MU)	15	35	17	-	-	68
Solar Gen (MU)*	110.73	54.50	117.81	5.63	0.46	289
Energy Shortage (MU)	0.95	0.00	0.00	2.16	0.00	3.11
Maximum Demand Met During the Day (MW) (From NLDC SCADA)	45322	45096	41881	22702	2610	155309
Time Of Maximum Demand Met (From NLDC SCADA)	19:09	07:27	09:45	18:14	17:32	18:51

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	0.052	0.00	0.35	13.04	13.39	67.12	19.49

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	5544	0	115.0	65.6	-4.2	31	0.00
	Haryana	5264	0	109.0	63.7	-1.9	185	0.00
	Rajasthan	12208	0	232.4	70.6	1.4	259	0.04
	Delhi	3047	0	61.8	54.4	-1.1	100	0.00
	UP	15238	0	284.7	79.9	-1.2	367	0.00
	Uttarakhand	1501	0	28.1	12.6	0.5	188	0.08
	HP	1392	0	25.1	9.1	-0.4	35	0.00
	J&K(UT) & Ladakh(UT)	2555	0	51.6	41.8	1.5	589	0.83
	Chandigarh	181	0	3.2	3.2	0.0	31	0.00
	WR	Chhattisgarh	3844	0	87.1	35.2	-0.6	225
Gujarat		12522	0	272.5	168.9	2.7	966	0.00
MP		10254	0	204.5	106.4	0.0	572	0.00
Maharashtra		17646	0	382.2	129.7	-0.8	700	0.00
Goa		613	0	10.7	12.5	-2.0	37	0.00
DNHDDPDCL		876	0	18.6	18.6	0.0	71	0.00
AMNSL		717	0	15.2	8.8	0.0	316	0.00
SR	Andhra Pradesh	9734	0	189.8	71.1	1.0	715	0.00
	Telangana	9633	0	179.7	20.1	-0.1	464	0.00
	Karnataka	8651	0	164.2	47.2	-0.6	593	0.00
	Kerala	3901	0	76.9	52.0	-0.2	259	0.00
	Tamil Nadu	13888	0	275.7	159.0	-0.5	600	0.00
	Puducherry	378	0	8.2	7.9	-0.5	51	0.00
ER	Bihar	5158	543	95.6	86.8	0.0	325	0.40
	DVC	3216	0	68.2	-21.0	-0.2	278	0.00
	Jharkhand	1526	0	28.8	20.1	-0.4	238	1.77
	Odisha	6259	0	134.7	57.1	-0.6	284	0.00
	West Bengal	7885	0	146.5	24.8	-0.8	339	0.00
	Sikkim	72	0	1.1	1.0	0.1	35	0.00
NER	Arunachal Pradesh	127	0	2.2	2.3	-0.1	62	0.00
	Assam	1564	0	25.8	18.1	0.3	116	0.00
	Manipur	192	0	2.3	2.4	-0.1	46	0.00
	Meghalaya	346	0	6.2	1.7	0.1	82	0.00
	Mizoram	104	0	1.6	0.9	-0.2	8	0.00
	Nagaland	121	0	2.1	2.0	0.0	20	0.00
	Tripura	232	0	3.4	3.0	-0.2	50	0.00

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

	Bhutan	Nepal	Bangladesh
Actual (MU)	23.7	5.9	-20.2
Day Peak (MW)	1419.0	246.0	-1027.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	97.7	-56.3	60.1	-79.7	-21.8	0.0
Actual(MU)	96.1	-65.1	57.3	-70.6	-21.5	-3.8
OD/UD(MU)	-1.6	-8.8	-2.8	9.1	0.3	-3.8

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	TOTAL	% Share
Central Sector	8781	22851	7638	4110	427	43807	50
State Sector	10835	19901	8930	3520	99	43285	50
Total	19616	42752	16568	7630	526	87091	100

G. Sourcewise generation (MU)

	NR	WR	SR	ER	NER	All India	% Share
Coal	519	894	409	468	8	2298	66
Lignite	26	10	57	0	0	93	3
Hydro	166	32	148	94	34	474	14
Nuclear	31	41	70	0	0	141	4
Gas, Naptha & Diesel	14	4	6	0	28	52	1
RES (Wind, Solar, Biomass & Others)	133	90	191	6	0	420	12
Total	888	1070	882	567	70	3478	100

Share of RES in total generation (%)	14.97	8.42	21.69	0.99	0.65	12.09
Share of Non-fossil fuel (Hydro,Nuclear and RES) in total generation(%)	37.09	15.23	46.42	17.56	48.61	29.77

H. All India Demand Diversity Factor

Based on Regional Max Demands	1.015
Based on State Max Demands	1.071

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: 27-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	18.2	-18.2
2	HVDC	PUSAULI B/B	-	0	348	0.0	8.5	-8.5
3	765 kV	GAYA-VARANASI	2	552	579	2.3	0.0	2.3
4	765 kV	SASARAM-FATEHPUR	1	101	442	0.0	2.0	-2.0
5	765 kV	GAYA-BALIA	1	0	306	0.0	4.1	-4.1
6	400 kV	PUSAULI-VARANASI	1	0	254	0.0	5.4	-5.4
7	400 kV	PUSAULI-ALLAHABAD	1	0	162	0.0	2.9	-2.9
8	400 kV	MUZAFFARPUR-GORAKHPUR	2	0	784	0.0	10.0	-10.0
9	400 kV	PATNA-BALIA	2	101	254	0.0	1.3	-1.3
10	400 kV	NAUBATPUR-BALIA	2	135	260	0.0	1.0	-1.0
11	400 kV	BIHARSHARIFF-BALIA	2	221	186	1.0	0.0	1.0
12	400 kV	MOTIHARI-GORAKHPUR	2	0	375	0.0	4.3	-4.3
13	400 kV	BIHARSHARIFF-VARANASI	2	272	144	2.0	0.0	2.0
14	220 kV	SAHUPURI-KARAMNANA	1	51	65	0.0	0.1	-0.1
15	132 kV	NAGAR UNTARI-RIHAND	1	0	0	0.0	0.0	0.0
16	132 kV	GARWAH-RIHAND	1	25	0	0.4	0.0	0.4
17	132 kV	KARMANASA-SAHUPURI	1	0	17	0.0	0.0	0.0
18	132 kV	KARMANASA-CHANDAUJI	1	0	0	0.0	0.0	0.0
						ER-NR	57.8	-52.1
<b>Import/Export of ER (With WR)</b>								
1	765 kV	JHARSUGUDA-DHARAMJAIGARH	4	793	152	11.8	0.0	11.8
2	765 kV	NEW RANCHI-DHARAMJAIGARH	2	1241	474	11.3	0.0	11.3
3	765 kV	JHARSUGUDA-DURG	2	21	412	0.0	4.6	-4.6
4	400 kV	JHARSUGUDA-RAIGARH	4	217	388	0.0	1.1	-1.1
5	400 kV	RANCHI-SIPAT	2	334	206	1.8	0.0	1.8
6	220 kV	BUDHIPADAR-RAIGARH	1	50	64	0.0	0.1	-0.1
7	220 kV	BUDHIPADAR-KORBA	2	206	0	3.3	0.0	3.3
						ER-WR	28.1	22.4
<b>Import/Export of ER (With SR)</b>								
1	HVDC	JEPPIRE-GAZUWAKA B/B	2	291	279	1.4	0.0	1.4
2	HVDC	TALCHER-KOLAR BIPOLE	2	0	1986	0.0	45.9	-45.9
3	765 kV	ANGUL-SRIKAKULAM	2	0	2646	0.0	41.6	-41.6
4	400 kV	TALCHER-I/C	2	249	1036	0.0	13.6	-13.6
5	220 kV	BALIMELA-UPPER-SILERRU	1	0	0	0.0	0.0	0.0
						ER-SR	1.4	-86.1
<b>Import/Export of ER (With NER)</b>								
1	400 kV	BINAGURI-BONGAIGAON	2	199	358	1.6	1.4	0.1
2	400 kV	ALIPURDUAR-BONGAIGAON	2	410	152	5.1	0.0	5.1
3	220 kV	ALIPURDUAR-SALAKATI	2	50	42	0.1	0.0	0.1
						ER-NER	6.7	5.3
<b>Import/Export of NER (With NR)</b>								
1	HVDC	BISWANATH CHARIALI-AGRA	2	0	702	0.0	16.7	-16.7
						NER-NR	0.0	-16.7
<b>Import/Export of WR (With NR)</b>								
1	HVDC	CHAMPA-KURUKSHETRA	2	0	702	0.0	16.7	-16.7
2	HVDC	VINDHYACHAL B/B	-	444	0	12.2	0.0	12.2
3	HVDC	MUNDRA-MOHINDERGARH	2	0	0	0.0	0.0	0.0
4	765 kV	GWALIOR-AGRA	2	0	1430	0.0	22.0	-22.0
5	765 kV	GWALIOR-PHAGI	2	157	2133	0.1	25.2	-25.1
6	765 kV	JABALPUR-ORAI	2	0	382	0.0	12.6	-12.6
7	765 kV	GWALIOR-ORAI	1	900	0	15.0	0.0	15.0
8	765 kV	SATNA-ORAI	1	0	804	0.0	16.5	-16.5
9	765 kV	BANASKANTHA-CHITORGARH	2	1962	0	32.3	0.0	32.3
10	765 kV	VINDHYACHAL-VARANASI	2	0	2396	0.0	38.5	-38.5
11	400 kV	ZERDA-KANKROLI	1	300	0	5.3	0.0	5.3
12	400 kV	ZERDA-BHINMAL	1	461	0	6.9	0.0	6.9
13	400 kV	VINDHYACHAL-RIHAND	1	968	0	20.8	0.0	20.8
14	400 kV	RAPP-SHUALPUR	2	309	312	1.4	2.2	-0.8
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	100	0	0.8	0.0	0.8
18	220 kV	MALANPUR-AURAIYA	1	75	0	1.2	0.0	1.2
19	132 kV	GWALIOR-SAWAI 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	134.2	-38.3
<b>Import/Export of WR (With SR)</b>								
1	HVDC	BHADRAWATI B/B	-	493	0	11.5	0.0	11.5
2	HVDC	RAIGARH-PUGALUR	2	0	1998	0.0	17.1	-17.1
3	765 kV	SOLAPUR-RAICHUR	2	1589	1023	8.6	5.1	3.5
4	765 kV	WARDHA-NIZAMABAD	2	182	1732	0.2	18.7	-18.5
5	400 kV	KOLHAPUR-KUDGI	2	926	0	14.0	0.0	14.0
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	115	2.2	0.0	2.2
						WR-SR	36.4	-4.4

INTERNATIONAL EXCHANGES				Import(+ve)/Export(-ve) Energy Exchange (MU)			
State	Region	Line Name	Max (MW)	Min (MW)	Avg (MW)		
BHUTAN	ER	400kV MANGDECHHU-ALIPURDUAR 1,2&3 i.e. ALIPURDUAR RECEIPT (from MANGDECHHU HEP 4*180MW)	261	0	261	8.6	
	ER	400kV TALA-BINAGURI 1,2,4 (& 400kV MALBASE -BINAGURI) i.e. BINAGURI RECEIPT (from TALA HEP 6*170MW)	449	0	449	12.9	
	ER	220kV CHUKHA-BIRPARA 1&2 (& 220kV MALBASE - BIRPARA) i.e. BIRPARA RECEIPT (from CHUKHA HEP 4*84MW)	100	124	100	3.2	
	NER	132kV GELEPHU-SALAKATI	20	1	10	0.2	
	NER	132kV MOTANGA-RANGIA	34	11	28	0.7	
NEPAL	NR	132kV MAHENDRANAGAR-TANAKPUR(NHPC)	-35	0	0	0.0	
	ER	NEPAL IMPORT (FROM BIHAR)	0	0	0	0.0	
	ER	400kV DHALKEBAR-MUZAFFARPUR 1&2	281	120	246	5.9	
BANGLADESH	ER	BHERAMARA B/B HVDC (BANGLADESH)	-912	-577	-743	-17.8	
	NER	132kV COMILLA-SURAJMANI NAGAR 1&2	-115	0	-98	-2.4	