



**National Load Despatch Centre**  
**राष्ट्रीय भार प्रेषण केंद्र**  
**GRID CONTROLLER OF INDIA LIMITED**  
**ग्रीड कंट्रोलर ऑफ इंडिया 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: 30.10.2024

To,

- कार्यकारी निदेशक, पू.क्षे.भा.प्रे.के., 14, गोल्फ क्लब रोड, कोलकाता - 700033  
Executive Director, ERLDC, 14 Golf Club Road, Tollygunge, Kolkata, 700033
- 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
- 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
- कार्यकारी निदेशक, ऊ.पू.क्षे.भा.प्रे.के., डोंगतेह, लोअर नोंग्रह, लापलंग, शिलोंग - 793006  
Executive Director, NERLDC, Dongteih, Lower Nongrah, Lapalang, Shillong - 793006, Meghalaya
- 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 29.10.2024.**

महोदय/Dear Sir,

आईईजीसी-2023 की धारा स.-38(1) के प्रावधान के अनुसार, दिनांक 29-अक्टूबर-2024 की अखिल भारतीय प्रणाली की दैनिक ग्रीड निष्पादन रिपोर्ट रांभांप्रेके की वेबसाइट पर उपलब्ध है।

As per article 38(1) of the Indian Electricity Grid Code, the daily report pertaining power supply position of All India Power System for the date 29.10.2024, is available at the NLDC website.

धन्यवाद,  
Thanks

Report for previous day

Date of Reporting: 30-Oct-2024

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)	60902	62959	47115	25581	3175	199732
Peak Shortage (MW)	223	0	0	0	0	223
Energy Met (MU)	1379	1475	1132	540	57	4582
Hydro Gen (MU)	146	66	160	57	25	454
Wind Gen (MU)	9	33	40	-	-	81
Solar Gen (MU)*	157.50	93.85	119.69	2.94	0.85	375
Energy Shortage (MU)	0.44	0.00	0.00	0.15	0.00	0.59
Maximum Demand Met During the Day (MW) (From NLDC SCADA)	64270	66776	53240	26433	3384	208562
Time Of Maximum Demand Met	11:47	15:08	11:59	18:48	17:45	11:40

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	0.028	0.00	0.00	6.11	6.11	83.49	10.40

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	8121	0	174.1	77.6	-1.8	262	0.00
	Haryana	8918	0	187.2	139.3	-0.4	705	0.00
	Rajasthan	16056	0	324.1	137.6	-2.5	622	0.00
	Delhi	4819	0	99.1	90.9	-1.3	202	0.00
	UP	21549	0	455.1	167.2	-0.7	245	0.00
	Uttarakhand	2181	0	44.7	32.7	0.0	94	0.00
	HP	1827	0	35.2	21.8	-0.7	153	0.00
	J&K(UT) & Ladakh(UT)	2510	0	50.9	44.1	-0.1	265	0.44
	Chandigarh	232	0	4.4	4.4	0.0	29	0.00
Railways NR ISTS	194	0	4.1	4.0	0.2	25	0.00	
WR	Chhattisgarh	5035	0	112.3	50.0	-0.8	363	0.00
	Gujarat	19982	0	425.7	205.5	-1.8	692	0.00
	MP	13549	0	275.4	164.5	-2.4	400	0.00
	Maharashtra	26613	0	583.2	237.6	2.6	948	0.00
	Goa	703	0	15.1	14.2	0.7	43	0.00
	DNHDDPDCL	1365	0	31.7	31.2	0.5	147	0.00
	AMNSIL	833	0	18.5	8.7	0.6	274	0.00
	BALCO	529	0	12.6	12.7	-0.1	523	0.00
SR	Andhra Pradesh	10835	0	220.4	65.4	0.1	468	0.00
	Telangana	11306	0	230.9	92.4	-1.0	522	0.00
	Karnataka	11877	0	230.2	84.4	2.2	548	0.00
	Kerala	4385	0	85.5	61.6	0.5	378	0.00
	Tamil Nadu	16565	0	354.8	192.7	1.8	724	0.00
	Puducherry	446	0	10.1	9.9	-0.4	42	0.00
ER	Bihar	6207	0	121.6	114.1	-2.4	80	0.00
	DVC	3398	0	68.7	-50.7	-1.0	321	0.00
	Jharkhand	1928	0	39.9	30.6	-0.6	188	0.15
	Odisha	5481	0	115.2	41.4	-1.8	558	0.00
	West Bengal	9418	0	192.8	51.4	-1.4	318	0.00
	Sikkim	95	0	1.4	1.6	-0.2	14	0.00
Railways ER ISTS	11	0	0.2	0.2	0.0	2	0.00	
NER	Arunachal Pradesh	156	0	2.5	2.3	-0.1	33	0.00
	Assam	2090	0	36.4	28.5	0.7	138	0.00
	Manipur	225	0	3.0	3.1	-0.1	38	0.00
	Meghalaya	352	0	6.2	4.7	-0.3	37	0.00
	Mizoram	134	0	1.5	1.0	-0.9	9	0.00
	Nagaland	162	0	2.4	2.3	-0.2	12	0.00
Tripura	312	0	5.0	6.5	-0.4	76	0.00	

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

	Bhutan	Nepal	Bangladesh	Godda -> Bangladesh
Actual (MU)	13.2	8.6	-23.5	-24.4
Day Peak (MW)	690.0	480.3	-1004.0	-1030.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	291.9	-202.7	100.0	-189.2	-0.1	0.0
Actual(MU)	281.8	-192.6	93.6	-189.5	-4.2	-10.9
O/D/U/D(MU)	-10.1	10.0	-6.4	-0.3	-4.2	-10.9

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	TOTAL	% Share
Central Sector	3509	8236	4498	2466	255	18963	40
State Sector	5723	11031	8559	2524	230	28067	60
Total	9232	19267	13057	4990	484	47030	100

G. Sourcewise generation (Gross) (MU)

	NR	WR	SR	ER	NER	All India	% Share
Coal	795	1520	633	746	16	3709	75
Lignite	26	21	49	0	0	95	2
Hydro	146	66	160	57	25	454	9
Nuclear	35	35	75	0	0	146	3
Gas, Naptha & Diesel	13	31	5	0	24	73	1
RES (Wind, Solar, Biomass & Others)	172	130	185	5	1	494	10
Total	1187	1803	1107	808	66	4971	100

Share of RES in total generation (%)	14.51	7.21	16.71	0.67	1.32	9.93
Share of Non-fossil fuel (Hydro,Nuclear and RES) in total generation(%)	29.73	12.82	37.99	7.67	39.84	21.99

H. All India Demand Diversity Factor

Based on Regional Max Demands	1.026
Based on State Max Demands	1.056

I. All India Peak Demand and shortage at Solar and Non-Solar Hour

	Max Demand Met(MW)	Time	Shortage(MW)
Solar hr	208562	11:40	0
Non-Solar hr	207071	18:44	220

Diversity factor = Sum of regional or state maximum demands / All India maximum demand

\*\*Note: All generation MU figures are gross

\*\*\*Godda (Jharkhand) -> Bangladesh power exchange is through the radial connection (isolated from Indian Grid)

Solar Hours -> 07:00 to 17:00hrs and rest are Non-Solar Hours

\*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: 30-Oct-2024

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	311	0.0	7.5	-7.5
2	HVDC	PUSAULI B/B	-	0	297	0.0	7.3	-7.3
3	765 kV	GAYA-VARANASI	2	0	1043	0.0	17.2	-17.2
4	765 kV	SASARAM-FATEHPUR	1	82	408	0.0	6.3	-6.3
5	765 kV	GAYA-BALIA	1	0	641	0.0	11.2	-11.2
6	400 kV	PUSAULI-VARANASI	1	0	238	0.0	4.7	-4.7
7	400 kV	PUSAULI-ALLAHABAD	1	0	134	0.0	2.5	-2.5
8	400 kV	MUZAFFARPUR-GORAKHPUR	2	34	572	0.0	7.5	-7.5
9	400 kV	PATNA-BALIA	2	0	745	0.0	13.1	-13.1
10	400 kV	NAUBATPUR-BALIA	2	0	372	0.0	3.8	-3.8
11	400 kV	BIHARSHARIFF-BALIA	2	187	91	0.2	0.0	0.2
12	400 kV	MOTIHARI-GORAKHPUR	2	0	447	0.0	7.5	-7.5
13	400 kV	BIHARSHARIFF-VARANASI	2	0	313	0.0	0.0	0.0
14	220 kV	SAHUPURI-KARAMNANA	1	0	92	0.0	0.0	0.0
15	132 kV	NAGAR UNTARI-RIHAND	1	0	0	0.0	0.0	0.0
16	132 kV	GARWAH-RIHAND	1	30	0	0.4	0.0	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
<b>ER-NR</b>						<b>0.6</b>	<b>88.5</b>	<b>-87.9</b>
<b>Import/Export of ER (With WR)</b>								
1	765 kV	JHARSUGUDA-DHARAMJAIGARH	4	0	652	0.0	6.3	-6.3
2	765 kV	NEW RANCHI-DHARAMJAIGARH	2	748	375	5.9	0.0	5.9
3	765 kV	JHARSUGUDA-DURG	2	0	668	0.0	13.9	-13.9
4	400 kV	JHARSUGUDA-RAIGARH	4	0	652	0.0	10.3	-10.3
5	400 kV	RANCHI-SIPAT	2	92	233	0.0	2.3	-2.3
6	220 kV	BUDHIPADAR-RAIGARH	1	11	93	0.0	1.2	-1.2
7	220 kV	BUDHIPADAR-KORBA	2	83	70	0.3	0.0	0.3
<b>ER-WR</b>						<b>6.3</b>	<b>34.0</b>	<b>-27.8</b>
<b>Import/Export of ER (With SR)</b>								
1	HVDC	JEYPORE-GAZUWAKA B/B	2	0	528	0.0	12.6	-12.6
2	HVDC	TALCHER-KOLAR BIPOLE	2	0	1393	0.0	33.7	-33.7
3	765 kV	ANGUL-SRIKAKULAM	2	0	2305	0.0	46.5	-46.5
4	400 kV	TALCHER-I/C	2	314	0	0.0	5.9	-5.9
5	220 kV	BALIMELA-UPPER-SILERRU	1	0	0	0.0	0.0	0.0
<b>ER-SR</b>						<b>0.0</b>	<b>92.8</b>	<b>-92.8</b>
<b>Import/Export of ER (With NER)</b>								
1	400 kV	BINAGURI-BONGAIGAON	2	0	527	0.0	8.1	-8.1
2	400 kV	ALIPURDUAR-BONGAIGAON	2	0	769	0.0	11.2	-11.2
3	220 kV	ALIPURDUAR-SALAKATI	2	0	141	0.0	2.0	-2.0
<b>ER-NER</b>						<b>0.0</b>	<b>21.3</b>	<b>-21.3</b>
<b>Import/Export of NER (With NR)</b>								
1	HVDC	BISWANATH CHARIALI-AGRA	2	0	1005	0.0	24.1	-24.1
<b>NER-NR</b>						<b>0.0</b>	<b>24.1</b>	<b>-24.1</b>
<b>Import/Export of WR (With NR)</b>								
1	HVDC	CHAMPA-KURUKSHETRA	2	0	1006	0.0	23.0	-23.0
2	HVDC	VINDHYACHAL B/B	-	574	0	7.3	0.0	7.3
3	HVDC	MUNDRA-MOHINDERGARH	2	0	977	0.0	24.2	-24.2
4	765 kV	GWALIOR-AGRA	2	0	1739	0.0	29.3	-29.3
5	765 kV	GWALIOR-PHAGI	2	195	2214	0.2	33.8	-33.7
6	765 kV	JABALPUR-ORAI	2	0	1107	0.0	38.5	-38.5
7	765 kV	GWALIOR-ORAI	1	897	0	15.0	0.0	15.0
8	765 kV	SATNA-ORAI	1	0	1078	0.0	22.3	-22.3
9	765 kV	BANASKANTHA-CHITTOGARH	2	904	0	9.6	0.0	9.6
10	765 kV	VINDHYACHAL-VARANASI	2	0	2066	0.0	36.7	-36.7
11	400 kV	ZERDA-KANKROLI	1	258	0	2.9	0.0	2.9
12	400 kV	ZERDA -BHINMAL	1	179	0	2.0	0.0	2.0
13	400 kV	VINDHYACHAL -RIHAND	1	0	1	0.0	0.0	0.0
14	400 kV	RAPP-SHUJALPUR	2	445	398	2.0	4.1	-2.1
15	400 kV	NEEMUCH-Chittorgarh	2	0	0	0.0	1.7	-1.7
16	220 kV	BHANPURA-RANPUR	1	0	131	0.0	1.9	-1.9
17	220 kV	BHANPURA-MORAK	1	0	30	0.0	2.2	-2.2
18	220 kV	MEHGAON-AURAIYA	1	118	0	1.0	0.0	1.0
19	220 kV	MALANPUR-AURAIYA	1	83	3	0.5	0.0	0.5
20	132 kV	GWALIOR-SAWAI MADHOPUR	1	0	0	0.0	0.0	0.0
21	132 kV	RAJGHAT-LALITPUR	2	0	0	0.0	0.0	0.0
<b>WR-NR</b>						<b>40.6</b>	<b>217.6</b>	<b>-177.1</b>
<b>Import/Export of WR (With SR)</b>								
1	HVDC	BHADRAWATI B/B	-	0	511	0.0	11.9	-11.9
2	HVDC	RAIGARH-PUGALUR	2	0	1500	0.0	20.8	-20.8
3	765 kV	SOLAPUR-RAICHUR	2	939	614	5.6	0.0	5.6
4	765 kV	WARDHA-NIZAMABAD	2	0	1385	0.0	19.6	-19.6
5	765 kV	WARORA-WARANGAL(NEW)	2	492	394	0.0	28.1	-28.1
6	400 kV	KOLHAPUR-KUDGI	2	1496	0	29.3	0.0	29.3
7	220 kV	KOLHAPUR-CHIKODI	2	0	0	0.0	0.0	0.0
8	220 kV	PONDA-AMBEWADI	1	0	0	0.0	0.0	0.0
9	220 kV	XELDEM-AMBEWADI	1	0	125	2.5	0.0	2.5
<b>WR-SR</b>						<b>37.4</b>	<b>80.4</b>	<b>-43.1</b>

INTERNATIONAL EXCHANGES					Import(+ve)/Export(-ve)		
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)	326	245	275	6.61	
	ER	400kV TALA-BINAGURI 1,2,4 (& 400kV MALBASE - BINAGURI i.e. BINAGURI RECEIPT (from TALA HEP 6*170MW)	282	203	242	5.81	
	ER	220kV CHUKHA-BIRPARA 1&2 (& 220kV MALBASE - BIRPARA) i.e. BIRPARA RECEIPT (from CHUKHA HEP 4*84MW)	-44	11	-15	-0.36	
	NER	132kV GELEPHU-SALAKATI	21	10	15	0.35	
	NER	132kV MOTANGA-RANGIA	38	22	31	0.75	
NEPAL	NR	NEPAL IMPORT (FROM UP)	0	0	0	0.00	
	NR	132kV MAHENDRANAGAR-TANAKPUR(NHPC)	67	0	52	1.24	
	ER	NEPAL IMPORT (FROM BIHAR)	107	53	79	1.90	
	ER	400kV DHALKEBAR-MUZAFFARPUR 1&2	307	59	229	5.50	
BANGLADESH	ER	BHERAMARA B/B HVDC (B'DESH)	-930	-788	-915	-21.96	
	ER (Isolated from Indian Grid)	400kV GODDA_TPS-RAHANPUR (B'DESH) D/C	-1030	-1001	-1017	-24.41	
	NER	132kV COMILLA-SURAJMANI NAGAR 1&2	-74	0	-64	-1.54	

CROSS BORDER EXCHANGE SCHEDULE

Date of Reporting: 30-Oct-2024

Export From India (in MU)

Country	GNA (ISGS/PPA)	T-GNA							TOTAL
		BILATERAL TOTAL	COLLECTIVE						
			IDAM			RTM			
			IEX	PXIL	HPX	IEX	PXIL	HPX	
Bhutan	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Nepal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Bangladesh	22.72	0.00	0.00	0.00	0.00	0.00	0.00	0.00	22.72
Myanmar	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total Export	22.72	0.00	0.00	0.00	0.00	0.00	0.00	0.00	22.72

Import by India(in MU)

Country	GNA (ISGA/PPA)	T-GNA							TOTAL
		BILATERAL TOTAL	COLLECTIVE						
			IDAM			RTM			
			IEX	PXIL	HPX	IEX	PXIL	HPX	
Bhutan	11.96	0.00	0.80	0.00	0.00	0.00	0.00	0.00	12.76
Nepal	6.62	0.00	0.00	0.00	0.00	2.11	0.00	0.00	8.73
Bangladesh	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Myanmar	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total Import	18.58	0.00	0.80	0.00	0.00	2.11	0.00	0.00	21.49

Net from India(in MU)

-ve : Export / +ve : Import

Country	GNA (ISGS/PPA)	T-GNA							TOTAL
		BILATERAL TOTAL	COLLECTIVE						
			IDAM			RTM			
			IEX	PXIL	HPX	IEX	PXIL	HPX	
Bhutan	11.96	0.00	0.80	0.00	0.00	0.00	0.00	0.00	12.76
Nepal	6.62	0.00	0.00	0.00	0.00	2.11	0.00	0.00	8.73
Bangladesh	-22.72	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-22.72
Myanmar	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total Net	-4.14	0.00	0.80	0.00	0.00	2.11	0.00	0.00	-1.23