



**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: GRID-INDIA/NLDC/SO/Daily PSP Report

दिनांक: 28.11.2024

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 27.11.2024.**

महोदय/Dear Sir,

आईईजीसी-2023 की धारा स.-38(1) के प्रावधान के अनुसार, दिनांक 27-नवंबर-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 27.11.2024, is available at the NLDC website.

धन्यवाद,  
Thanks

Report for previous day

Date of Reporting: 28-Nov-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)	51986	60824	42542	20384	2660	178396
Peak Shortage (MW)	0	0	0	0	0	0
Energy Met (MU)	1165	1462	1033	414	49	4123
Hydro Gen (MU)	110	45	98	23	16	292
Wind Gen (MU)	1	48	40	-	-	89
Solar Gen (MU)*	144.29	92.61	75.45	2.56	1.11	316
Energy Shortage (MU)	0.31	0.32	0.00	0.00	0.10	0.73
Maximum Demand Met During the Day (MW) (From NLDC SCADA)	60352	70991	50956	21181	2944	202356
Time Of Maximum Demand Met	10:24	10:00	09:23	17:51	17:18	09:38

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	0.046	1.01	0.95	3.45	5.40	79.04	15.55

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	8112	0	151.5	61.0	-0.7	378	0.00
	Haryana	7714	0	149.6	105.2	-1.1	183	0.00
	Rajasthan	17376	0	326.6	110.8	-1.3	516	0.00
	Delhi	3788	0	70.7	71.2	-1.9	259	0.00
	UP	16932	0	321.3	103.9	-1.7	623	0.00
	Uttarakhand	2233	0	42.0	32.7	0.6	80	0.00
	HP	2042	0	36.8	28.7	-0.8	111	0.00
	J&K(UT) & Ladakh(UT)	2820	0	58.3	51.1	0.6	313	0.31
	Chandigarh	216	0	3.6	3.7	-0.1	39	0.00
Railways NR ISTS	202	0	4.2	3.9	0.3	34	0.00	
WR	Chhattisgarh	4295	0	86.3	37.9	-0.9	147	0.00
	Gujarat	20666	0	409.4	197.1	-2.8	446	0.00
	MP	17593	130	334.9	215.8	-0.8	830	0.32
	Maharashtra	26404	0	554.9	193.0	-2.6	606	0.00
	Goa	684	0	13.6	12.9	0.1	32	0.00
	DNHDDPDCL	1337	0	30.3	30.4	-0.1	43	0.00
	AMNSIL	873	0	19.5	9.3	0.1	330	0.00
	BALCO	530	0	12.6	12.7	-0.1	10	0.00
SR	Andhra Pradesh	9561	0	192.8	53.9	-0.6	485	0.00
	Telangana	10843	0	200.8	97.1	0.8	587	0.00
	Karnataka	13815	0	248.5	73.6	1.6	892	0.00
	Kerala	4247	0	84.8	66.5	1.2	377	0.00
	Tamil Nadu	14949	0	297.8	188.6	-0.6	581	0.00
	Puducherry	391	0	8.6	8.2	-0.2	49	0.00
ER	Bihar	4524	0	81.3	71.9	-2.5	227	0.00
	DVC	3078	0	64.4	-43.6	-1.1	330	0.00
	Jharkhand	1963	0	37.6	24.7	-0.3	286	0.00
	Odisha	4507	0	89.2	15.9	-2.9	344	0.00
	West Bengal	7260	0	140.2	23.1	-1.0	266	0.00
	Sikkim	104	0	1.6	1.7	-0.1	21	0.00
Railways ER ISTS	10	0	0.1	0.2	0.0	0	0.00	
NER	Arunachal Pradesh	153	0	2.6	2.4	-0.1	19	0.00
	Assam	1705	0	28.4	21.0	0.6	149	0.10
	Manipur	231	0	3.3	3.2	0.1	33	0.00
	Meghalaya	348	0	6.2	5.2	-0.1	34	0.00
	Mizoram	142	0	2.1	1.8	-0.5	23	0.00
	Nagaland	167	0	2.5	2.4	-0.1	19	0.00
Tripura	234	0	4.0	4.9	0.0	48	0.00	

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

	Bhutan	Nepal	Bangladesh	Godda -> Bangladesh
Actual (MU)	-1.6	2.1	-23.5	-12.7
Day Peak (MW)	-268.0	355.1	-1045.0	-952.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	231.3	-149.7	124.6	-209.5	3.4	0.0
Actual(MU)	222.0	-143.0	127.6	-218.1	2.2	-9.2
O/D/U/D(MU)	-9.3	6.7	3.0	-8.6	-1.2	-9.2

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	TOTAL	% Share
Central Sector	5462	10921	6128	3848	676	27034	49
State Sector	8008	10784	7354	1749	339	28234	51
Total	13470	21705	13482	5597	1015	55268	100

G. Sourcewise generation (Gross) (MU)

	NR	WR	SR	ER	NER	All India	% Share
Coal	684	1462	605	690	10	3452	77
Lignite	28	14	47	0	0	89	2
Hydro	110	45	98	23	16	292	6
Nuclear	31	53	76	0	0	160	4
Gas, Naptha & Diesel	2	11	6	0	24	43	1
RES (Wind, Solar, Biomass & Others)	171	144	144	6	1	466	10
Total	1027	1729	976	718	51	4502	100

Share of RES in total generation (%)	16.70	8.34	14.75	0.77	2.16	10.36
Share of Non-fossil fuel (Hydro,Nuclear and RES) in total generation(%)	30.44	13.97	32.61	3.94	33.82	20.39

H. All India Demand Diversity Factor

Based on Regional Max Demands	1.020
Based on State Max Demands	1.047

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

	Max Demand Met(MW)	Time	Shortage(MW)
Solar hr	202356	9:38	17
Non-Solar hr	193298	18:17	142

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 -> 06:00 to 18:00hrs 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: 28-Nov-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	300	0.0	7.4	-7.4
2	HVDC	PUSAULI B/B	-	3	249	0.0	2.9	-2.9
3	765 kV	GAYA-VARANASI	2	0	1088	0.0	19.3	-19.3
4	765 kV	SASARAM-FATEHPUR	1	0	600	0.0	9.3	-9.3
5	765 kV	GAYA-BALIA	1	0	679	0.0	12.9	-12.9
6	400 kV	PUSAULI-VARANASI	1	48	254	0.0	1.5	-1.5
7	400 kV	PUSAULI-ALLAHABAD	1	3	143	0.0	1.3	-1.3
8	400 kV	MUZAFFARPUR-GORAKHPUR	2	47	456	0.0	6.5	-6.5
9	400 kV	PATNA-BALIA	2	0	839	0.0	15.2	-15.2
10	400 kV	NAUBATPUR-BALIA	2	0	277	0.0	4.8	-4.8
11	400 kV	BIHARSHARIF-BALIA	2	62	118	0.0	1.1	-1.1
12	400 kV	MOTIHARI-GORAKHPUR	2	0	471	0.0	8.2	-8.2
13	400 kV	BIHARSHARIF-VARANASI	2	0	326	0.0	0.0	0.0
14	220 kV	SAHUPURI-KARAMNANA	1	0	110	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	30	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
<b>ER-NR</b>						<b>0.5</b>	<b>91.0</b>	<b>-90.6</b>
<b>Import/Export of ER (With WR)</b>								
1	765 kV	JHARSUGUDA-DHARAMJAIGARH	4	0	1069	0.0	17.5	-17.5
2	765 kV	NEW RANCHI-DHARAMJAIGARH	2	279	672	0.0	2.7	-2.7
3	765 kV	JHARSUGUDA-DURG	2	0	814	0.0	17.0	-17.0
4	400 kV	JHARSUGUDA-RAIGARH	4	0	724	0.0	12.5	-12.5
5	400 kV	RANCHI-SIPAT	2	0	329	0.0	3.4	-3.4
6	220 kV	BUDHIPADAR-RAIGARH	1	0	84	0.0	1.3	-1.3
7	220 kV	BUDHIPADAR-KORBA	2	19	118	0.0	1.0	-1.0
<b>ER-WR</b>						<b>0.0</b>	<b>55.4</b>	<b>-55.4</b>
<b>Import/Export of ER (With SR)</b>								
1	HVDC	JEYPORE-GAZUWAKA B/B	2	0	377	0.0	9.0	-9.0
2	HVDC	TALCHER-KOLAR BIPOLE	2	0	1205	0.0	28.9	-28.9
3	765 kV	ANGUL-SRIKAKULAM	2	0	2819	0.0	55.7	-55.7
4	400 kV	TALCHER-I/C	2	652	0	13.6	0.0	13.6
5	220 kV	BALIMELA-UPPER-SILERRU	1	0	0	0.0	0.0	0.0
<b>ER-SR</b>						<b>0.0</b>	<b>93.6</b>	<b>-93.6</b>
<b>Import/Export of ER (With NER)</b>								
1	400 kV	BINAGURI-BONGAIGAON	2	0	436	0.0	7.2	-7.2
2	400 kV	ALIPURDUAR-BONGAIGAON	2	0	730	0.0	9.8	-9.8
3	220 kV	ALIPURDUAR-SALAKATI	2	0	121	0.0	1.3	-1.3
<b>ER-NER</b>						<b>0.0</b>	<b>18.2</b>	<b>-18.2</b>
<b>Import/Export of NER (With NR)</b>								
1	HVDC	BISWANATH CHARIAL-AGRA	2	0	654	0.0	15.9	-15.9
<b>NER-NR</b>						<b>0.0</b>	<b>15.9</b>	<b>-15.9</b>
<b>Import/Export of WR (With NR)</b>								
1	HVDC	CHAMPA-KIRUKSHETRA	2	0	509	0.0	12.6	-12.6
2	HVDC	VINDHYACHAL B/B	-	0	104	0.0	2.4	-2.4
3	HVDC	MUNDRA-MOHINDERGARH	2	0	977	0.0	19.4	-19.4
4	765 kV	GWALIOR-AGRA	2	0	1507	0.0	23.6	-23.6
5	765 kV	GWALIOR-PHAGI	2	210	2021	0.4	29.0	-28.5
6	765 kV	JABALPUR-ORAI	2	0	894	0.0	29.5	-29.5
7	765 kV	GWALIOR-ORAI	1	860	0	14.2	0.0	14.2
8	765 kV	SATNA-ORAI	1	0	1011	0.0	20.1	-20.1
9	765 kV	BANASKANTHA-CHITTOGARH	2	1005	129	11.3	0.0	11.3
10	765 kV	VINDHYACHAL-VARANASI	2	0	1943	0.0	33.3	-33.3
11	400 kV	ZERDA-KANKROLI	1	224	46	2.1	0.0	2.1
12	400 kV	ZERDA-BHINMAL	1	154	32	1.4	0.0	1.4
13	400 kV	VINDHYACHAL-RIHAND	1	969	0	21.3	0.0	21.3
14	400 kV	RAPP-SHUALPUR	2	647	256	3.1	1.6	1.5
15	400 kV	NEEMUCH-Chittorgarh	2	666	262	3.1	1.5	1.6
16	220 kV	BHANPURA-RANPUR	1	0	200	0.0	3.5	-3.5
17	220 kV	BHANPURA-MORAK	1	0	30	0.0	2.0	-2.0
18	220 kV	MEHGAON-AURAIYA	1	109	0	1.4	0.0	1.4
19	220 kV	MALANPUR-AURAIYA	1	76	0	0.9	0.0	0.9
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>59.3</b>	<b>178.3</b>	<b>-119.0</b>
<b>Import/Export of WR (With SR)</b>								
1	HVDC	BHADRAWATI B/B	-	0	610	0.0	12.6	-12.6
2	HVDC	RAIGARH-PUGALUR	2	0	606	0.0	16.4	-16.4
3	765 kV	SOLAPUR-RAICHUR	2	329	995	0.5	7.6	-7.1
4	765 kV	WARDHA-NIZAMABAD	2	0	1707	0.0	29.3	-29.3
5	765 kV	WARORA-WARANGAL(NEW)	2	0	1823	0.0	31.4	-31.4
6	400 kV	KOLHAPUR-KUDGI	2	862	0	15.3	0.0	15.3
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	135	2.4	0.0	2.4
<b>WR-SR</b>						<b>18.2</b>	<b>97.3</b>	<b>-79.1</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)	123	-39	54	1.29	
	ER	400kV TALA-BINAGURI 1,2,4 (& 400kV MALBASE - BINAGURI i.e. BINAGURI RECEIPT (from TALA HEP 6*170MW)	229	-145	78	1.87	
	ER	220kV CHUKHA-BIRPARA 1&2 (& 220kV MALBASE - BIRPARA) i.e. BIRPARA RECEIPT (from CHUKHA HEP 4*84MW)	-226	-193	-208	-4.99	
	NER	132kV GELEPHU-SALAKATI	8	-6	1	0.03	
	NER	132kV MOTANGA-RANGIA	12	1	7	0.17	
NEPAL	NR	NEPAL IMPORT (FROM UP)	-30	0	0	0.00	
	NR	132kV MAHENDRANAGAR-TANAKPUR(NHPC)	39	0	8	0.18	
	ER	NEPAL IMPORT (FROM BIHAR)	0	0	0	0.00	
	ER	400kV DHALKEBAR-MUZAFFARPUR 1&2	316	-67	80	1.91	
BANGLADESH	ER	BHERAMARA B/B HVDC (B'DESH)	-922	-919	-922	-22.14	
	ER (Isolated from Indian Grid)	400kV GODDA_TPS-RAHANPUR (B'DESH) D/C	-952	-201	-531	-12.74	
	NER	132kV COMILLA-SURAJMANI NAGAR 1&2	-123	0	-55	-1.31	

CROSS BORDER EXCHANGE SCHEDULE

Date of Reporting: 28-Nov-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	2.87	0.00	0.00	0.00	0.00	0.00	2.87
Nepal	0.00	0.00	0.00	0.00	0.00	0.36	0.00	0.00	0.36
Bangladesh	23.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	23.01
Myanmar	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total Export	23.01	0.00	2.87	0.00	0.00	0.36	0.00	0.00	26.24

Import by India(in MU)

Country	GNA (ISGA/PPA)	T-GNA							TOTAL
		BILATERAL TOTAL	COLLECTIVE						
			IDAM			RTM			
			IEX	PXIL	HPX	IEX	PXIL	HPX	
Bhutan	0.84	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.84
Nepal	0.00	0.00	0.00	0.00	0.00	2.40	0.00	0.00	2.40
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	0.84	0.00	0.00	0.00	0.00	2.40	0.00	0.00	3.24

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	0.84	0.00	-2.87	0.00	0.00	0.00	0.00	0.00	-2.03
Nepal	0.00	0.00	0.00	0.00	0.00	2.04	0.00	0.00	2.04
Bangladesh	-23.01	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-23.01
Myanmar	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total Net	-22.17	0.00	-2.87	0.00	0.00	2.04	0.00	0.00	-23.00

