



**National Load Despatch Centre**  
**राष्ट्रीय भार प्रेषण केंद्र**  
**GRID CONTROLLER OF INDIA LIMITED**  
**ग्रिड 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: 03.04.2025

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, शाहीद 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, लापालंग, 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 02.04.2025.**

महोदय/Sir,

आईईजीसी-2023 की धारा स.-38(1) के प्रावधान के अनुसार, दिनांक 2-अप्रैल-2025 की अखिल भारतीय प्रणाली की दैनिक ग्रिड 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 02.04.2025, is available at the NLDC website.

धन्यवाद,  
Thanks

Report for previous day

Date of Reporting: 03-Apr-2025

A. Power Supply Position at All India and Regional level

	NR	WR	SR	ER	NER	TOTAL
Demand Met during Evening Peak hrs(MW) (at 20:00 hrs; from RLDCs)	54452	65303	52893	26278	3017	201943
Peak Shortage (MW)	0	0	0	0	0	0
Energy Met (MU)	1153	1582	1399	583	59	4776
Hydro Gen (MU)	134	34	88	24	11	291
Wind Gen (MU)	10	87	35	-	-	133
Solar Gen (MU)*	215.64	136.17	127.19	3.44	0.99	483
Energy Shortage (MU)	0.00	0.00	0.00	0.00	0.27	0.27
Maximum Demand Met During the Day (MW) (From NLDC SCADA)	57361	71322	66598	26591	3219	213902
Time Of Maximum Demand Met	19:24	15:59	11:42	00:11	18:33	10:41

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	0.031	0.00	0.17	6.01	6.18	78.85	14.98

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	7582	0	154.7	64.5	0.9	565	0.00
	Haryana	7126	0	145.8	90.1	-0.2	206	0.00
	Rajasthan	13024	0	261.6	54.3	-4.8	333	0.00
	Delhi	3963	0	81.4	75.1	-0.8	222	0.00
	UP	20547	0	374.4	75.0	0.5	403	0.00
	Uttarakhand	2031	0	39.8	26.6	-0.1	87	0.00
	HP	1726	0	33.3	18.9	-0.1	795	0.00
	J&K(UT) & Ladakh(UT)	2720	0	54.0	46.1	-1.5	521	0.00
	Chandigarh	207	0	3.8	3.8	0.0	14	0.00
WR	Railways NR ISTS	209	0	4.1	3.9	0.3	54	0.00
	Chhattisgarh	6410	0	148.5	93.8	0.9	411	0.00
	Gujarat	22794	0	456.2	189.8	-0.3	674	0.00
	MP	13630	0	272.5	157.5	-4.9	698	0.00
	Maharashtra	28216	0	627.0	240.4	-5.5	521	0.00
	Goa	800	0	16.7	16.5	-0.1	99	0.00
	DNHDDPDCL	1250	0	28.5	29.1	-0.6	30	0.00
	AMNSIL	855	0	19.0	9.0	0.2	267	0.00
	BALCO	534	0	12.7	12.7	0.0	49	0.00
SR	RIL JAMNAGAR	104	0	1.0	1.0	0.0	0	0.00
	Andhra Pradesh	12435	0	245.4	73.1	0.9	816	0.00
	Telangana	14580	0	299.5	156.4	-1.1	996	0.00
	Karnataka	17330	0	337.2	137.7	-0.5	647	0.00
	Kerala	4699	0	96.0	80.3	-0.7	328	0.00
	Tamil Nadu	19160	0	410.2	275.1	-0.2	763	0.00
	Puducherry	468	0	10.4	9.9	-0.1	38	0.00
	Bihar	5789	0	118.3	108.7	-0.7	159	0.00
	DVC	3287	0	69.6	-43.1	-0.8	343	0.00
ER	Jharkhand	2096	0	42.7	32.9	-0.5	255	0.00
	Odisha	5813	0	119.1	42.3	-3.3	347	0.00
	West Bengal	10652	0	231.8	86.8	-2.6	191	0.00
	Sikkim	92	0	1.6	1.2	0.4	49	0.00
	Railways ER ISTS	21	0	0.2	0.2	0.1	4	0.00
	Arunachal Pradesh	169	0	2.9	2.8	0.1	28	0.00
NER	Assam	1865	0	36.8	30.4	0.1	162	0.00
	Manipur	194	0	2.7	2.0	0.7	68	0.27
	Meghalaya	334	0	5.8	3.7	0.1	108	0.00
	Mizoram	132	0	2.0	1.8	-0.1	37	0.00
	Nagaland	151	0	2.5	2.6	0.0	23	0.00
	Tripura	319	0	6.1	4.6	0.4	52	0.00

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

	Bhutan	Nepal	Bangladesh	Godda -> Bangladesh
Actual (MU)	-3.8	-13.4	-22.5	-26.7
Day Peak (MW)	-386.0	-894.0	-959.0	-1366.7

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	4.1	-225.6	274.0	-69.3	16.7	0.0
Actual(MU)	-1.2	-216.1	277.6	-85.5	17.5	-7.8
O/D/U/D(MU)	-5.3	9.5	3.5	-16.3	0.8	-7.8

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	TOTAL	% Share
Central Sector	4992	11430	2958	3588	620	23587	49
State Sector	8069	8847	6426	1132	237	24710	51
Total	13061	20276	9384	4720	857	48298	100

G. Sourcewise generation (Gross) (MU)

	NR	WR	SR	ER	NER	All India	% Share
Coal	794	1568	781	747	10	3900	75
Lignite	28	10	41	0	0	79	2
Hydro	134	34	88	24	11	291	6
Nuclear	31	64	71	0	0	167	3
Gas, Naptha & Diesel	14	25	10	0	23	71	1
RES (Wind, Solar, Biomass & Others)	242	226	192	5	1	665	13
Total	1243	1926	1183	776	46	5174	100

Share of RES in total generation (%)	19.46	11.71	16.21	0.66	2.21	12.86
Share of Non-fossil fuel (Hydro,Nuclear and RES) in total generation(%)	32.77	16.81	29.68	3.72	27.23	21.72

H. All India Demand Diversity Factor

Based on Regional Max Demands	1.052
Based on State Max Demands	1.090

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

	Max Demand Met(MW)	Time	Shortage(MW)
Solar hr	213902	10:41	9
Non-Solar hr	207231	19:25	0

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: 03-Apr-2025								
Sl No	Voltage Level	Line Details	No. of Circuit	Max Import (MW)	Max Export (MW)	Import (MU)	Export (MU)	NET (MU)
Import/Export of ER (With NR)								
1	HVDC	ALIPURDUAR-AGRA	2	0	0	0.0	0.0	0.0
2	HVDC	PUSAULI B/B	-	0	47	0.0	2.5	-2.5
3	765 kV	GAYA-VARANASI	2	1050	580	1.0	0.0	1.0
4	765 kV	SASARAM-FATEHPUR	1	359	412	0.0	3.3	-3.3
5	765 kV	GAYA-BALIA	1	179	465	0.0	3.9	-3.9
6	400 kV	PUSAULI-VARANASI	1	0	167	0.0	2.5	-2.5
7	400 kV	PUSAULI -ALLAHABAD	1	74	37	0.1	0.0	0.1
8	400 kV	MUZAFFARPUR-GORAKHPUR	2	954	249	5.6	0.0	5.6
9	400 kV	PATNA-BALIA	2	377	649	0.0	7.5	-7.5
10	400 kV	NAUBATPUR-BALIA	2	156	346	0.0	1.8	-1.8
11	400 kV	BIHARSHARIFF-BALIA	2	688	0	6.3	0.0	6.3
12	400 kV	MOTIHARI-GORAKHPUR	2	335	346	0.0	2.4	-2.4
13	400 kV	BIHARSARIFF-SAHUPURI	2	0	0	0.8	0.0	0.8
14	220 kV	SAHUPURI-KARAMNASA	1	5	51	0.0	0.6	-0.6
15	132 kV	NAGAR UNTARI-RIHAND	1	0	0	0.0	0.0	0.0
16	132 kV	GARWAH-RIHAND	1	30	0	0.7	0.0	0.7
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						14.5	24.4	-9.9
Import/Export of ER (With WR)								
1	765 kV	JHARSUGUDA-DHARAMJAIGARH	4	1491	493	15.4	0.0	15.4
2	765 kV	NEW RANCHI-DHARAMJAIGARH	2	688	831	0.0	1.3	-1.3
3	765 kV	JHARSUGUDA-DURG	2	0	1092	0.0	19.9	-19.9
4	400 kV	JHARSUGUDA-RAIGARH	4	0	702	0.0	11.4	-11.4
5	400 kV	RANCHI-SIPAT	2	128	307	0.0	2.6	-2.6
6	220 kV	BUDHIPADAR-RAIGARH	1	0	133	0.0	2.1	-2.1
7	220 kV	BUDHIPADAR-KORBA	2	81	88	0.0	0.5	-0.5
ER-WR						15.4	37.9	-22.5
Import/Export of ER (With SR)								
1	HVDC	JEYPORE-GAZUWAKA B/B	2	0	522	0.0	5.6	-5.6
2	HVDC	TALCHER-KOLAR BIPOLE	2	0	1767	0.0	42.0	-42.0
3	765 kV	ANGUL-SRIKAKULAM	2	0	3053	0.0	58.6	-58.6
4	400 kV	TALCHER-I/C	2	406	523	2.5	0.0	2.5
5	220 kV	BALIMELA-UPPER-SILERRU	1	0	0	0.0	0.0	0.0
ER-SR						0.0	106.2	-106.2
Import/Export of ER (With NER)								
1	400 kV	BINAGURI-BONGAIGAON	2	230	182	2.4	0.7	1.6
2	400 kV	ALIPURDUAR-BONGAIGAON	2	373	225	3.4	0.0	3.4
3	220 kV	ALIPURDUAR-SALAKATI	2	72	24	0.8	0.0	0.8
ER-NER						6.6	0.7	5.8
Import/Export of NER (With NR)								
1	HVDC	BISWANATH CHARIALI-AGRA	2	1248	0	23.8	0.0	23.8
NER-NR						23.8	0.0	23.8
Import/Export of WR (With NR)								
1	HVDC	CHAMPA-KURUKSHETRA	2	0	1265	0.0	36.6	-36.6
2	HVDC	VINDHYACHAL B/B	-	0	56	0.0	1.2	-1.2
3	HVDC	MUNDRA-MOHINDERGARH	2	0	1459	0.0	36.4	-36.4
4	765 kV	GWALIOR-AGRA	2	966	1122	6.2	5.2	0.9
5	765 kV	GWALIOR-PHAGI	2	1509	1095	9.0	9.0	-0.1
6	765 kV	JABALPUR-ORAI	2	710	518	4.5	0.0	4.5
7	765 kV	GWALIOR-ORAI	1	690	0	9.8	0.0	9.8
8	765 kV	SATNA-ORAI	1	0	877	0.0	13.8	-13.8
9	765 kV	BANASKANTHA-CHITORGARH	2	2209	0	32.8	0.0	32.8
10	765 kV	VINDHYACHAL-VARANASI	2	0	2040	0.0	30.0	-30.0
11	400 kV	ZERDA-KANKROLI	1	477	13	6.9	0.0	6.9
12	400 kV	ZERDA -BHINMAL	1	329	0	4.8	0.0	4.8
13	400 kV	VINDHYACHAL -RIHAND	1	981	0	20.6	0.0	20.6
14	400 kV	RAPP-SHUJALPUR	2	958	0	11.2	0.0	11.2
15	400 kV	NEEMUCH-Chittorgarh	2	887	67	9.1	0.1	9.1
16	220 kV	BHANPURA-RANPUR	1	0	137	0.0	2.3	-2.3
17	220 kV	BHANPURA-MORAK	1	0	30	0.0	1.6	-1.6
18	220 kV	MEHGAON-AURAIYA	1	95	0	1.5	0.0	1.5
19	220 kV	MALANPUR-AURAIYA	1	75	0	1.1	0.0	1.1
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
WR-NR						117.3	136.2	-18.9
Import/Export of WR (With SR)								
1	HVDC	BHADRAWATI B/B	-	0	1012	0.0	24.0	-24.0
2	HVDC	RAIGARH-PUGALUR	2	0	6016	0.0	97.1	-97.1
3	765 kV	SOLAPUR-RAICHUR	2	784	1621	1.2	18.2	-17.0
4	765 kV	WARDHA-NIZAMABAD	2	0	2915	0.0	47.9	-47.9
5	765 kV	WARORA-WARANGAL(NEW)	2	0	3051	0.0	50.8	-50.8
6	400 kV	KOLHAPUR-KUDGI	2	1406	0	15.5	0.0	15.5
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	1	122	2.1	0.0	2.1
WR-SR						18.7	238.0	-219.3
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 MANGDECHU HEP 4*180MW)	293	16	172	4.13	
	ER		400kV TALA-BINAGURI 1,2,4 (& 400kV MALBASE - BINAGURI) I.e. BINAGURI RECEIPT (from TALA HEP 6*170MW)	-306	4	-130	-3.11	
	ER		220kV CHUKHA-BIRPARA 1&2 (& 220kV MALBASE - BIRPARA) I.e. BIRPARA RECEIPT (from CHUKHA HEP 4*84MW)	-230	-149	-187	-4.49	
	NER		132kV GELEPHU-SALAKATI	-24	0	-15	-0.36	
	NER		132kV MOTANGA-RANGIA	11	0	2	0.05	
NEPAL	NR		NEPAL IMPORT (FROM UP)	-69	0	-48	-1.16	
	NR		132kV MAHENDRANAGAR-TANAKPUR(NHPC)	-69	0	-45	-1.09	
	ER		NEPAL IMPORT (FROM BIHAR)	-289	0	-133	-3.19	
	ER		400kV DHALKEBAR-MUZAFFARPUR 1&2	-605	-21	-334	-8.01	
BANGLADESH	ER		BHERAMARA B/B HVDC (B'DESH)	-931	-871	-912	-21.90	
	ER (Isolated from Indian Grid)		400kV GODDA_TPS-RAHANPUR (B'DESH) D/C	-1367	-897	-1112	-26.69	
	NER		132kV COMILLA-SURAJMANI NAGAR 1&2	-28	0	-24	-0.58	

CROSS BORDER EXCHANGE SCHEDULE

Date of Reporting: 03-Apr-2025

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	0.33	3.96	0.00	0.00	0.45	0.00	0.00	4.74
Nepal	3.29	0.00	5.96	0.00	0.00	2.29	0.00	0.00	11.54
Bangladesh	22.67	0.00	0.00	0.00	0.00	0.00	0.00	0.00	22.67
Myanmar	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total Export	25.96	0.33	9.92	0.00	0.00	2.74	0.00	0.00	38.95

Import by India(in MU)

Country	GNA (ISGA/PPA)	T-GNA							TOTAL
		BILATERAL TOTAL	COLLECTIVE						
			IDAM			RTM			
			IEX	PXIL	HPX	IEX	PXIL	HPX	
Bhutan	0.67	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.67
Nepal	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
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	0.67	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.67

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	0.67	-0.33	-3.96	0.00	0.00	-0.45	0.00	0.00	-4.07
Nepal	-3.29	0.00	-5.96	0.00	0.00	-2.29	0.00	0.00	-11.54
Bangladesh	-22.67	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-22.67
Myanmar	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total Net	-25.29	-0.33	-9.92	0.00	0.00	-2.74	0.00	0.00	-38.28

Date of Reporting: 03-Apr-2025												
15 Min (INSTANTANEOUS) ALL INDIA GRID FREQUENCY, GENERATION & DEMAND MET (SCADA DATA)												
TIME	FREQUENCY (Hz)	DEMAND MET (MW)	NUCLEAR (MW)	WIND (MW)	SOLAR (MW)	HYDRO** (MW)	GAS (MW)	THERMAL (MW)	OTHERS* (MW)	NET DEMAND MET (MW)	TOTAL GENERATION (MW)	NET TRANSNATIONAL EXCHANGE (MW) (+ve) Import, (-ve) Export
		(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I=A-(C+D))	(J=B+C+D+E+F+G+H)	(K)
0:00	50.05	191210	6470	7781	203	11551	3221	162799	1981	183226	194006	-1444
0:15	50.05	191978	6483	7768	205	11337	3238	163752	1970	184005	194753	-1463
0:30	50.05	190861	6479	7658	206	11175	3323	163397	1996	182997	194234	-1458
0:45	50.05	190175	6483	7664	210	10954	3246	162525	1975	182301	193057	-1432
1:00	50.05	187833	6480	7644	213	10210	3060	161220	1948	179976	190775	-1451
1:15	50.00	186592	6509	7632	213	9446	2915	160500	1970	178747	189185	-1461
1:30	50.00	185574	6468	7497	218	9098	2823	160318	1936	177859	188358	-1457
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