



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: 06.04.2025

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, 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 05.04.2025.**

महोदय/Sir,

आईईजीसी-2023 की धारा स.-38(1) के प्रावधान के अनुसार, दिनांक 5-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 05.04.2025, is available at the NLDC website.

धन्यवाद,  
Thanks

Report for previous day

Date of Reporting: 06-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)	57861	68059	49457	27448	2926	205751
Peak Shortage (MW)	0	0	0	0	0	0
Energy Met (MU)	1212	1634	1244	597	59	4745
Hydro Gen (MU)	131	44	63	28	10	275
Wind Gen (MU)	13	90	24	-	-	127
Solar Gen (MU)*	209.77	142.37	137.92	4.23	1.02	495
Energy Shortage (MU)	0.14	0.00	0.00	0.07	0.20	0.41
Maximum Demand Met During the Day (MW) (From NLDC SCADA)	59920	73183	57873	27991	3055	210820
Time Of Maximum Demand Met	19:23	16:47	15:00	23:27	18:26	19:38

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	0.044	0.01	1.63	4.32	5.96	75.60	18.44

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	7343	0	161.1	62.1	-1.7	321	0.00
	Haryana	8000	0	153.4	99.4	-1.1	189	0.00
	Rajasthan	13550	0	271.3	57.5	-2.8	403	0.00
	Delhi	4003	0	85.7	78.9	-1.7	167	0.00
	UP	22726	0	399.2	122.7	0.2	414	0.00
	Uttarakhand	2227	0	43.0	31.3	0.9	135	0.14
	HP	1790	0	34.2	21.1	-0.3	812	0.00
	J&K(UT) & Ladakh(UT)	2750	0	55.6	45.5	-1.2	209	0.00
	Chandigarh	212	0	4.0	4.0	0.1	21	0.00
WR	Railways_NR ISTS	202	0	4.2	3.9	0.3	34	0.00
	Chhattisgarh	6437	0	147.1	85.5	-1.4	219	0.00
	Gujarat	24260	0	483.9	208.8	-0.8	626	0.00
	MP	14159	0	282.9	163.3	-2.5	729	0.00
	Maharashtra	28212	0	638.9	234.1	-2.4	679	0.00
	Goa	760	0	16.8	16.2	0.0	113	0.00
	DNHDDPDCL	1291	0	30.1	30.3	-0.2	37	0.00
	AMNSIL	823	0	17.8	8.8	0.5	257	0.00
	BALCO	532	0	12.7	12.7	0.0	0	0.00
SR	RIL JAMNAGAR	196	0	3.8	3.8	0.0	0	0.00
	Andhra Pradesh	11266	0	225.3	87.7	-0.1	580	0.00
	Telangana	12962	0	263.0	121.3	0.0	464	0.00
	Karnataka	14417	0	289.5	125.6	-2.6	1080	0.00
	Kerala	4356	0	89.2	79.1	-0.5	286	0.00
	Tamil Nadu	16947	0	366.4	247.8	-4.0	831	0.00
	Puducherry	453	0	10.2	9.8	-0.2	31	0.00
ER	Bihar	6313	0	125.7	116.2	-2.1	181	0.00
	DVC	3254	0	69.2	-39.3	2.0	589	0.00
	Jharkhand	2167	0	44.5	35.2	-1.3	177	0.07
	Odisha	5973	0	123.6	33.6	-0.9	455	0.00
	West Bengal	10915	0	231.9	93.8	-1.1	499	0.00
	Sikkim	86	0	1.5	1.0	0.4	55	0.00
	Railways_ER ISTS	13	0	0.2	0.2	-0.1	0	0.00
NER	Arunachal Pradesh	166	0	3.0	2.9	0.0	64	0.00
	Assam	1839	0	35.8	29.5	0.0	109	0.00
	Manipur	199	0	3.0	2.6	0.4	60	0.20
	Meghalaya	344	0	6.0	4.0	0.1	77	0.00
	Mizoram	132	0	2.3	1.9	0.1	31	0.00
	Nagaland	135	0	2.5	2.4	0.1	30	0.00
	Tripura	333	0	6.3	4.8	0.5	51	0.00

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

	Bhutan	Nepal	Bangladesh	Godda -> Bangladesh
Actual (MU)	-4.4	-12.4	-23.0	-28.5
Day Peak (MW)	-441.0	-738.4	-975.0	-1383.0

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

	NR	WR	SR	ER	NER	TOTAL
Schedule(MU)	67.2	-250.9	222.3	-55.6	17.0	0.0
Actual(MU)	58.2	-240.4	216.7	-58.4	17.9	-6.0
O/D/U/D(MU)	-9.0	10.5	-5.7	-2.7	1.0	-6.0

F. Generation Outage(MW)

	NR	WR	SR	ER	NER	TOTAL	% Share
Central Sector	4348	8796	2398	2838	586	18965	43
State Sector	7884	7708	7016	2142	237	24987	57
Total	12232	16504	9414	4980	823	43952	100

G. Sourcewise generation (Gross) (MU)

	NR	WR	SR	ER	NER	All India	% Share
Coal	802	1612	697	715	10	3836	75
Lignite	24	12	52	0	0	88	2
Hydro	131	44	63	28	10	275	5
Nuclear	31	64	71	0	0	166	3
Gas, Naptha & Diesel	12	27	10	0	24	72	1
RES (Wind, Solar, Biomass & Others)	239	234	200	6	1	680	13
Total	1239	1993	1092	749	46	5118	100

Share of RES in total generation (%)	19.32	11.74	18.28	0.79	2.28	13.29
Share of Non-fossil fuel (Hydro,Nuclear and RES) in total generation(%)	32.41	17.15	30.52	4.48	25.26	21.91

H. All India Demand Diversity Factor

Based on Regional Max Demands	1.053
Based on State Max Demands	1.099

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

	Max Demand Met(MW)	Time	Shortage(MW)
Solar hr	207694	9:43	35
Non-Solar hr	210820	19:38	140

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: **06-Apr-2025**

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	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	1253	659	1.7	0.0	1.7
4	765 kV	SASARAM-FATEHPUR	1	448	439	0.0	2.7	-2.7
5	765 kV	GAYA-BALIA	1	189	514	0.0	6.5	-6.5
6	400 kV	PUSAULI-VARANASI	1	0	202	0.0	2.4	-2.4
7	400 kV	PUSAULI -ALLAHABAD	1	66	70	0.0	0.1	-0.1
8	400 kV	MUZAFFARPUR-GORAKHPUR	2	1003	317	4.3	0.0	4.3
9	400 kV	PATNA-BALIA	2	531	574	0.0	5.1	-5.1
10	400 kV	NAUBATPUR-BALIA	2	209	303	0.0	1.0	-1.0
11	400 kV	BIHARSHARIFF-BALIA	2	744	40	5.8	0.0	5.8
12	400 kV	MOTIHARI-GORAKHPUR	2	422	308	0.0	1.3	-1.3
13	400 kV	BIHARSARIFF-SAHUPURI	2	0	0	0.7	0.0	0.7
14	220 kV	SAHUPURI-KARAMNASHA	1	13	50	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	30	0	0.7	0.0	0.7
17	132 kV	KARMANASHA-SAHUPURI	1	0	0	0.0	0.0	0.0
18	132 kV	KARMANASHA-CHANDAULI	1	0	0	0.0	0.0	0.0
<b>ER-NR</b>						<b>13.2</b>	<b>21.8</b>	<b>-8.6</b>
<b>Import/Export of ER (With WR)</b>								
1	765 kV	JHARSUGUDA-DHARAMJAIGARH	4	1389	936	9.2	0.0	9.2
2	765 kV	NEW RANCHI-DHARAMJAIGARH	2	1460	227	15.4	0.0	15.4
3	765 kV	JHARSUGUDA-DURG	2	0	1115	0.0	19.7	-19.7
4	400 kV	JHARSUGUDA-RAIGARH	4	0	722	0.0	11.1	-11.1
5	400 kV	RANCHI-SIPAT	2	310	203	1.3	0.0	1.3
6	220 kV	BUDHIPADAR-RAIGARH	1	14	100	0.0	1.3	-1.3
7	220 kV	BUDHIPADAR-KORBA	2	116	86	0.1	0.0	0.1
<b>ER-WR</b>						<b>26.0</b>	<b>32.1</b>	<b>-6.0</b>
<b>Import/Export of ER (With SR)</b>								
1	HVDC	JEYPORE-GAZUWAKA B/B	2	0	122	0.0	2.8	-2.8
2	HVDC	TALCHER-KOLAR BIPOLE	2	0	1765	0.0	42.5	-42.5
3	765 kV	ANGUL-SRIKAKULAM	2	0	3005	0.0	53.2	-53.2
4	400 kV	TALCHER-I/C	2	246	558	0.0	0.5	-0.5
5	220 kV	BALIMELA-UPPER-SILERRU	1	0	0	0.0	0.0	0.0
<b>ER-SR</b>						<b>0.0</b>	<b>98.5</b>	<b>-98.5</b>
<b>Import/Export of ER (With NER)</b>								
1	400 kV	BINAGURI-BONGAIGAON	2	465	191	3.7	0.6	3.1
2	400 kV	ALIPURDUAR-BONGAIGAON	2	757	204	5.5	0.0	5.5
3	220 kV	ALIPURDUAR-SALAKATI	2	138	21	1.3	0.0	1.3
<b>ER-NER</b>						<b>10.5</b>	<b>0.6</b>	<b>9.9</b>
<b>Import/Export of NER (With NR)</b>								
1	HVDC	BISWANATH CHARIALI-AGRA	2	1447	0	28.4	0.0	28.4
<b>NER-NR</b>						<b>28.4</b>	<b>0.0</b>	<b>28.4</b>
<b>Import/Export of WR (With NR)</b>								
1	HVDC	CHAMPA-KURUKSHETRA	2	0	1002	0.0	24.0	-24.0
2	HVDC	VINDHYACHAL B/B	-	0	257	0.0	2.8	-2.8
3	HVDC	MUNDRA-MOHINDERGARH	2	0	984	0.0	19.4	-19.4
4	765 kV	GWALIOR-AGRA	2	431	1747	0.9	20.5	-19.6
5	765 kV	GWALIOR-PHAGI	2	1473	1242	6.9	12.8	-5.9
6	765 kV	JABALPUR-ORAI	2	516	740	0.0	12.3	-12.3
7	765 kV	GWALIOR-ORAI	1	725	0	10.3	0.0	10.3
8	765 kV	SATNA-ORAI	1	0	955	0.0	16.9	-16.9
9	765 kV	BANASKANTHA-CHITORGARH	2	1461	129	16.0	0.1	15.9
10	765 kV	VINDHYACHAL-VARANASI	2	0	2624	0.0	46.7	-46.7
11	400 kV	ZERDA-KANKROLI	1	384	0	4.0	0.0	4.0
12	400 kV	ZERDA -BHINMAL	1	265	0	3.0	0.0	3.0
13	400 kV	VINDHYACHAL -RIHAND	1	977	0	20.2	0.0	20.2
14	400 kV	RAPP-SHUJALPUR	2	856	96	7.0	0.2	6.9
15	400 kV	NEEMUCH-Chittorgarh	2	734	132	6.0	0.3	5.8
16	220 kV	BHANPURA-RANPUR	1	0	146	0.0	2.6	-2.6
17	220 kV	BHANPURA-MORAK	1	0	30	0.0	2.2	-2.2
18	220 kV	MEHGAON-AURAIYA	1	69	0	0.8	0.0	0.8
19	220 kV	MALANPUR-AURAIYA	1	49	11	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>75.6</b>	<b>160.6</b>	<b>-85.1</b>
<b>Import/Export of WR (With SR)</b>								
1	HVDC	BHADRAWATI B/B	-	0	1013	0.0	24.0	-24.0
2	HVDC	RAIGARH-PUGALUR	2	0	6015	0.0	87.4	-87.4
3	765 kV	SOLAPUR-RAICHUR	2	1418	1185	4.2	5.4	-1.2
4	765 kV	WARDHA-NIZAMABAD	2	100	2633	0.0	33.7	-33.7
5	765 kV	WARORA-WARANGAL(NEW)	2	0	2750	0.0	37.2	-37.2
6	400 kV	KOLHAPUR-KUDGI	2	1544	0	19.9	0.0	19.9
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	116	2.3	0.0	2.3
<b>WR-SR</b>						<b>26.5</b>	<b>187.6</b>	<b>-161.2</b>

<b>INTERNATIONAL EXCHANGES</b>					<b>Import(+ve)/Export(-ve)</b>		
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)	311	12	176	4.23	
	ER	400kV TALA-BINAGURI 1,2,4 (& 400kV MALBASE - BINAGURI) i.e. BINAGURI RECEIPT (from TALA HEP 6*170MW)	-298	-6	-145	-3.48	
	ER	220kV CHUKHA-BIRPARA 1&2 (& 220kV MALBASE - BIRPARA) i.e. BIRPARA RECEIPT (from CHUKHA HEP 4*84MW)	-254	-163	-199	-4.79	
	NER	132kV GELEPHU-SALAKATI	-29	-10	-17	-0.40	
	NER	132kV MOTANGA-RANGIA	19	-12	3	0.07	
NEPAL	NR	NEPAL IMPORT (FROM UP)	-71	0	-47	-1.14	
	NR	132kV MAHENDRANAGAR-TANAKPUR(NHPC)	-71	0	-47	-1.13	
	ER	NEPAL IMPORT (FROM BIHAR)	-287	-14	-138	-3.32	
	ER	400kV DHALKEBAR-MUZAFFARPUR 1&2	-451	17	-282	-6.76	
BANGLADESH	ER	BHERAMARA B/B HVDC (B'DESH)	-937	-887	-926	-22.22	
	ER (Isolated from Indian Grid)	400kV GODDA_TPS-RAHANPUR (B'DESH) D/C	-1383	-909	-1187	-28.48	
	NER	132kV COMILLA-SURAJMANI NAGAR 1&2	-38	0	-32	-0.76	

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	0.39	5.18	0.00	0.00	0.00	0.00	0.00	5.57	
Nepal	3.39	0.00	4.75	0.00	0.00	0.00	2.45	0.00	0.00	10.59
Bangladesh	23.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	23.03
Myanmar	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total Export	26.42	0.39	9.93	0.00	0.00	0.00	2.45	0.00	0.00	39.19

Import by India(in MU)

Country	GNA (ISGA/PPA)	T-GNA							TOTAL
		BILATERAL TOTAL	COLLECTIVE						
			IDAM			RTM			
			IEX	PXIL	HPX	IEX	PXIL	HPX	
Bhutan	0.75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.75
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	0.75	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.75

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	0.75	-0.39	-5.18	0.00	0.00	0.00	0.00	0.00	-4.82
Nepal	-3.39	0.00	-4.75	0.00	0.00	-2.45	0.00	0.00	-10.59
Bangladesh	-23.03	0.00	0.00	0.00	0.00	0.00	0.00	0.00	-23.03
Myanmar	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
Total Net	-25.67	-0.39	-9.93	0.00	0.00	-2.45	0.00	0.00	-38.44

15 Min (INSTANTANEOUS) ALL INDIA GRID FREQUENCY, GENERATION & DEMAND MET (SCADA DATA)												Date of Reporting: 06-Apr-2025
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)
		(A)	(B)	(C)	(D)	(E)	(F)	(G)	(H)	(I=A-(C+D))	(J=B+C+D+E+G+H+I)	(K)
0:00	50.04	193245	6428	5323	131	11727	3000	167224	1907	187791	195740	-1548
0:15	49.99	192767	6439	5260	130	11339	3064	167132	1911	187377	195275	-1538
0:30	50.04	191613	6449	5391	126	11166	2915	165994	1928	186096	193969	-1534
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