

**PRESS INFORMATION BUREAU
GOVERNMENT OF INDIA**

Digital Infrastructure in India

Supporting the dream of a Viksit Bharat

Ministry of Communications

February 1, 2025

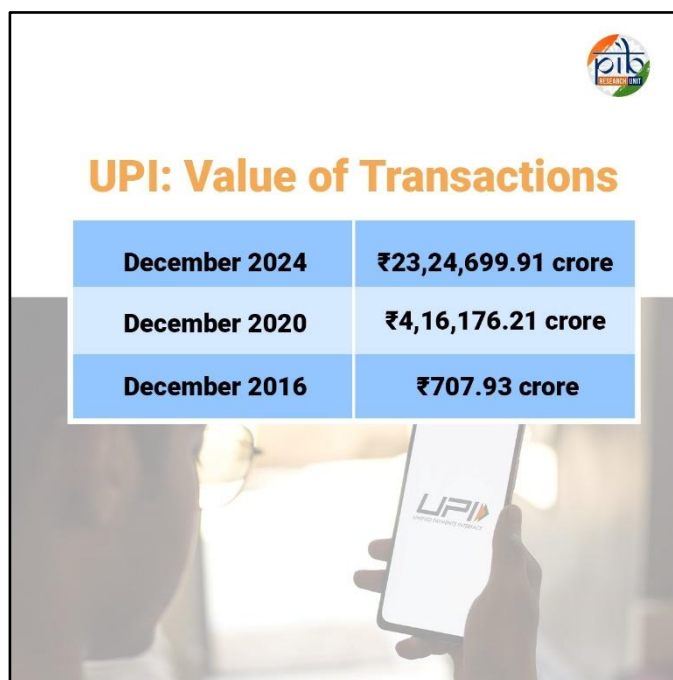
Introduction

India's digital economy contributed **11.74% to GDP in 2022-23** (₹31.64 lakh crore) and employed **14.67 million workers**. Productivity in this sector is **five times higher** than others, with its share projected to **reach 20% of GVA by 2029-30**. Growth is driven by **AI, cloud services, and digital platforms**, with India hosting **55% of the world's Global Capability Centers**. In the **BFSI** (Banking, Financial Services, and Insurance) sector, **over 95% of banking payment transactions are now digital** and digital platforms are expanding at **30% annually**. By **2030**, the **digital economy** is expected to be a **key driver** of national growth.¹

Unified Payments Interface (UPI)

Launched in **2016**, UPI or Unified Payments Interface, enables **real-time interbank transactions via mobile devices**, facilitating seamless digital payments². As per **ACI Worldwide Report 2024**, in **2023** around **49%** of the **global real-time payment transactions** is happening in India³. As of **2023**, more than **40%** of all payments done in India are digital, with UPI having a lion's share.⁴

Key Achievements:



- In **December 2024**, the **value of transactions** conducted through UPI stands at **₹23,24,699.91 crore**,

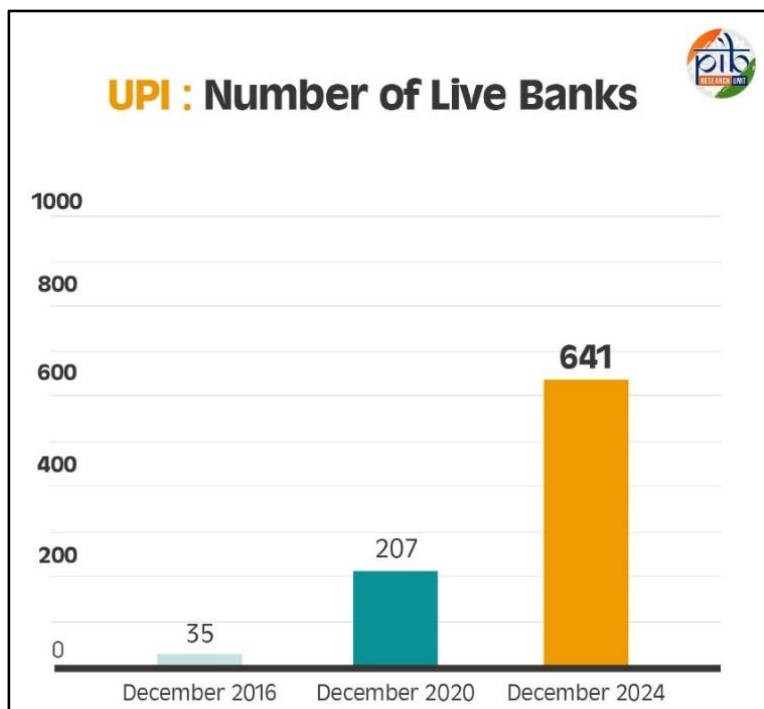
¹ <https://pib.gov.in/PressReleaseframePage.aspx?PRID=2097125>

² <https://www.npci.org.in/what-we-do/upi/product-overview>

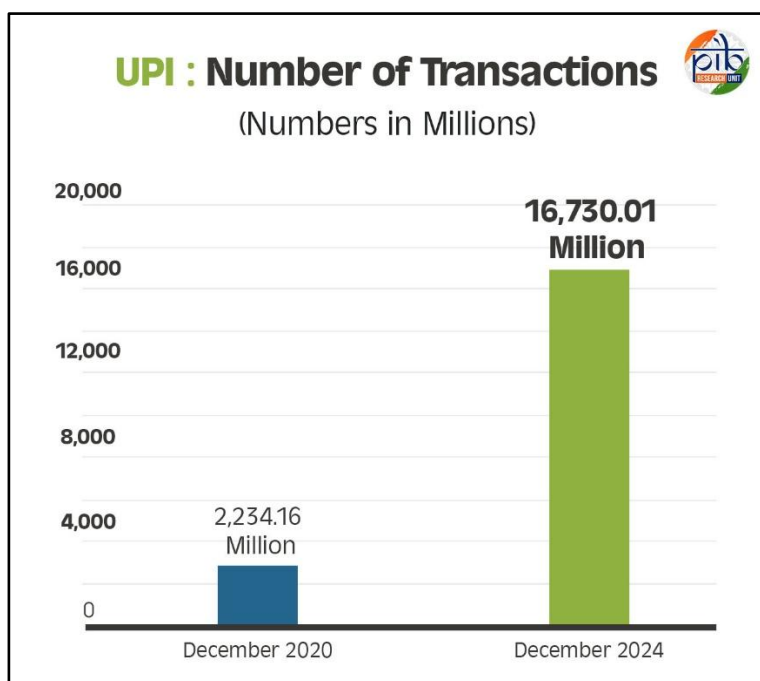
³ <https://pib.gov.in/PressReleasePage.aspx?PRID=2079544>

⁴ <https://pib.gov.in/PressReleaseframePage.aspx?PRID=1973082>

as compared to **December 2016**, when it was **₹707.93 crore** and December 2020, when it was ₹4,16,176.21 crore⁵.



- As of **December 2024**, **641 banks** are live on UPI, as compared to **December 2016**, when it was **35 banks** only and December 2020, when it was 207 banks only.



- As of **December 2024**, **16,730.01 million** transactions were held through UPI, as compared to 1.99 million in December 2016 and 2,234.16 million in December 2020.
- UPI now seamlessly facilitates live transactions in 7 countries, including key markets such as UAE, Singapore, Bhutan, Nepal, Sri Lanka, France, and Mauritius.⁶

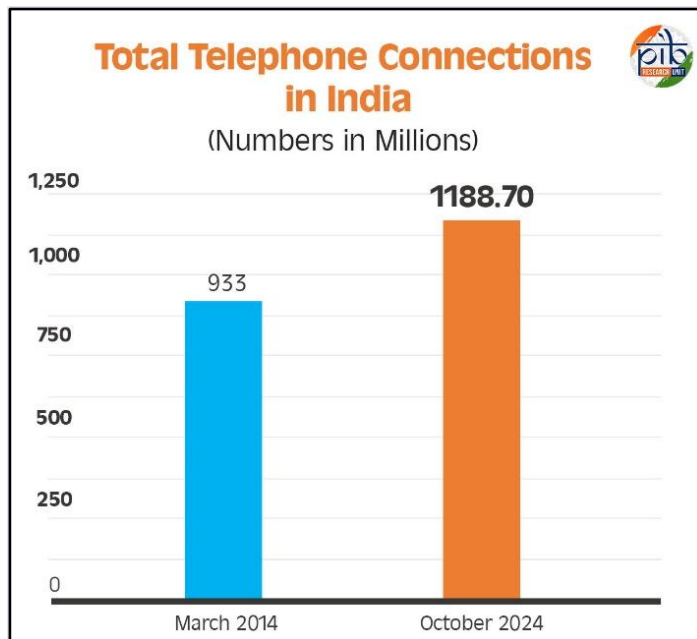
Telecom and Internet Infrastructure⁷

⁵ <https://www.npci.org.in/>

⁶ <https://pib.gov.in/PressReleaseIframePage.aspx?PRID=2057013>

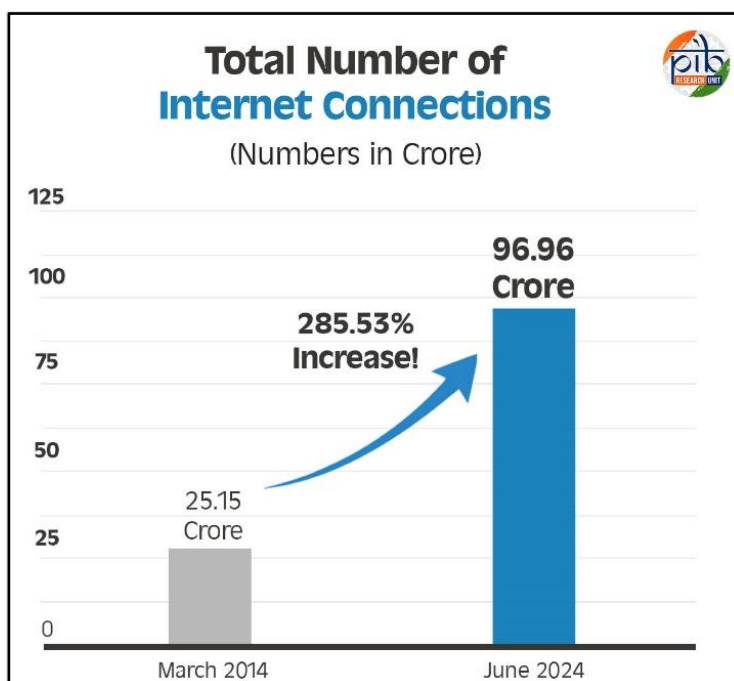
⁷ <https://pib.gov.in/PressReleasePage.aspx?PRID=2088195>

Telephone Subscriptions



- **Total telephone connections** in India grew from 933 million in March 2014 to **1188.70 million** in **October 2024**.
- The **overall tele-density** in India which was 75.23 % in March 2014 rose to **84.49%** in **October 2024**.
- **Urban telephone connections** rose to **661.36 million** in **October 2024** as compared to 555.23 million in March 2014 while rural telephone connections increased from 377.78 million in March 2014 to **527.34 million** in **October 2024**.

Internet & Broadband Penetration



- **Internet connections** jumped from 25.15 crore in March 2014 to **96.96 crore** in **June 2024**, registering a growth of **285.53%**.
- **Broadband connections** rose from 6.1 crore in March, 2014 to **94.92 crore** in **August, 2024** growing by **1452%**.

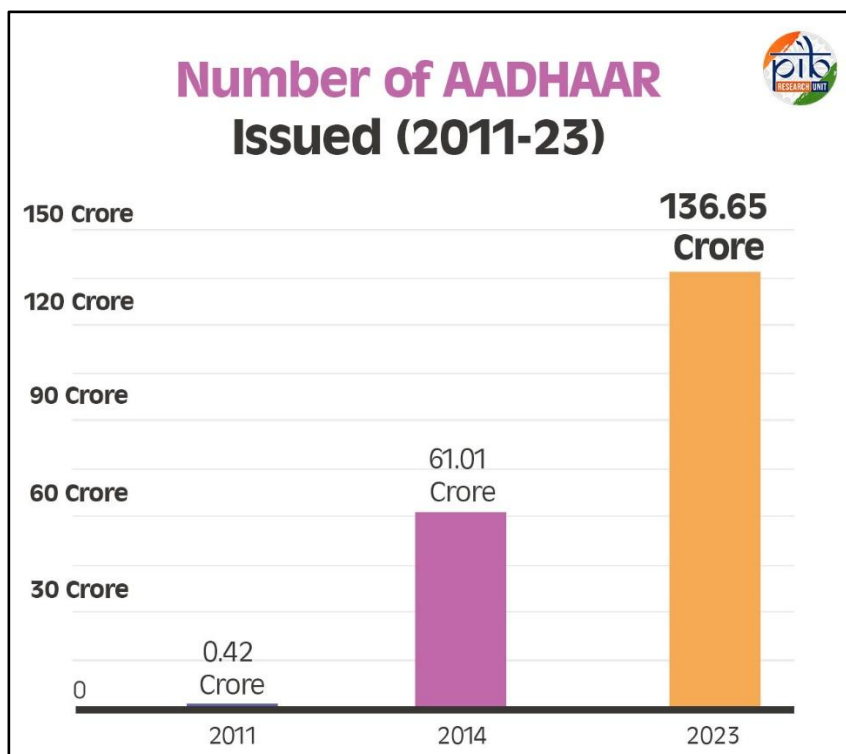
- Out of 6,44,131 villages, **6,15,836** number of villages are **having 4G mobile connectivity** in the country, as of **December 2024**.⁸
- **Average revenue realization** per subscriber per GB wireless data reduced to **Rs 8.31** in **June, 2024** from Rs 268.97 in December, 2014, a reduction of more than **96.91%**.
- **Average monthly data consumption** per wireless data subscriber increased by **353** times to **21.30 GB** in **June, 2024** from 61.66 MB in March, 2014.
- India has seen the **fastest rollout of 5G services in the world** with **4,62,084 BTS** deployed across **779** districts, as of **December 2024**.
- The Median mobile broadband speed has increased from 1.30 Mbps in March 2014 to **95.67 Mbps** in **December 2024**.
- As of **December 2024**, the number of **4G Base Transceiver Station (BTS)** have reached **24,96,644**, spread across **783** districts.

Aadhaar

Launched in **2009**, Aadhaar provides a **unique 12-digit identity number** linked to biometric and demographic data for Indian residents.⁹

Key Achievements:

- UIDAI has issued more than **136.65 crore** Aadhaar cards till **March 2023**, as compared to 120.71 crore Aadhaar cards till March 2018, **61.01 crore** till **March 2014** and 0.42 crore Aadhaar cards till March 2011.¹⁰



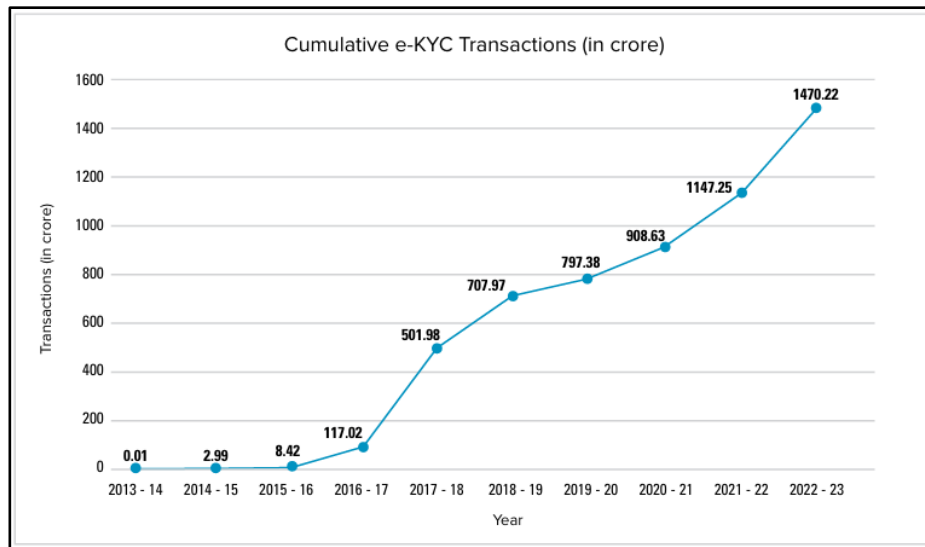
- Aadhaar face authentication crossed **100 crore** milestone in January **2025**¹¹.
- **1470.22 crore e-KYC transactions** were recorded by **March 2023**, as compared to 0.01 crore in March 2014 and 501.98 crore in March 2018.

⁸ <https://www.pib.gov.in/PressReleasePage.aspx?PRID=2086701>

⁹ <https://www.uidai.gov.in/en/16-english-uk/aapka-aadhaar/14-what-is-aadhaar.html>

¹⁰ UIDAI Annual Reports 2017-23

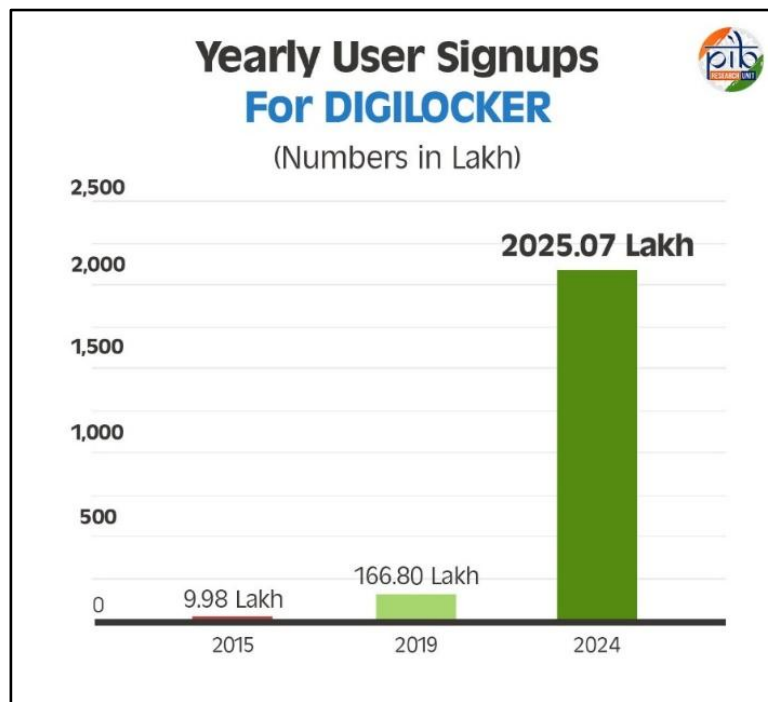
¹¹ <https://pib.gov.in/PressReleasePage.aspx?PRID=2094606>



DigiLocker

Launched in **2015**, DigiLocker aims at ‘Digital Empowerment’ of citizen by providing access to **authentic digital documents** to citizen’s digital document wallet.¹²

Key Achievements:



- **46.52 crore** users as on **1 February 2025**.¹³
- **2025.07 lakh** yearly user signups recorded in **2024** as compared to 9.98 lakh signups recorded in 2015.

UMANG

Launched in **2017**, **UMANG (Unified Mobile Application for New-age Governance)** is developed to drive Mobile Governance in India. UMANG provides a single platform for all Indian Citizens to access pan India **e-Gov services** ranging from Central to Local Government bodies.¹⁴

Key Achievements:

¹² <https://www.digilocker.gov.in/web/about/about-digilocker>

¹³ <https://www.digilocker.gov.in/web/statistics>

¹⁴ <https://web.umang.gov.in/landing/>

- **7.34 crore** user registrations and **516.06 crore** transactions recorded as of **December 2024**, as compared to 0.25 lakh users and 3.90 crore transactions in 2017 and 2.54 crore users and 126.55 crore transactions in 2020.¹⁵
- **2,101 government services** are available on the UMANG portal in 23 Indian languages¹⁶ as of **December 2024**, as compared to 166 services in 2017 and 974 services in 2020.

BharatNet

Launched in **2011**, BharatNet is an ambitious project aimed at providing **affordable high-speed internet** access to every **Gram Panchayat** in the country¹⁷.

Key Achievements:¹⁸

- As of **January 2025**, **2.14 lakh gram panchayats** have been connected with internet through BharatNet.
- **6.92 lakh kms** of **Optical Fibre Cable** has been laid as of January 2025.
- **1.04 lakh WIFI hotspots** have been installed at gram panchayats, as of January 2025.

Open Network for Digital Commerce (ONDC)

Launched in **2022**, **The Open Network for Digital Commerce (ONDC)** is a transformative initiative aimed at democratizing digital commerce. It envisions creating a level playing field for sellers, buyers, and service providers across India, particularly small and medium enterprises (MSMEs).¹⁹

Key Achievements:²⁰

- As of **January 2025**, the sellers and service providers are spread across **616+ cities** expanding the geographical coverage of the ONDC network.
- As of **January 2025**, there are more than **7.64 lakh sellers/service providers** registered on the ONDC platform.
- ONDC has processed a **cumulative of 154.4 million+ orders** till December 2024. In the **month of December 2024**, ONDC processed **15.4 million + orders** and average daily transactions reached approximately **4,90,000+**.

BHASHINI

Launched in **2022**, BHASHINI, or the **BHASHa INterface for India**, is a pathbreaking initiative aimed at democratizing access to digital content and services across India's **linguistic spectrum**. BHASHINI aims to transcend language barriers, ensuring that every citizen can effortlessly access digital services in their own language.²¹ Launched under the **National Language Technology Mission**, BHASHINI uses voice as a medium and has the potential to bridge language as well as the digital divide.²²

Key Achievements:²³

- **100 million+ Inferences per Month**

¹⁵ <https://web.umang.gov.in/landing/dashboard>

¹⁶ <https://pib.gov.in/PressReleaseDetail.aspx?PRID=2088990>

¹⁷ <https://www.pib.gov.in/PressReleasePage.aspx?PRID=2086701>

¹⁸ <https://usof.gov.in/en/usof-dashboard>

¹⁹ <https://pib.gov.in/PressReleaseIframePage.aspx?PRID=2090097>

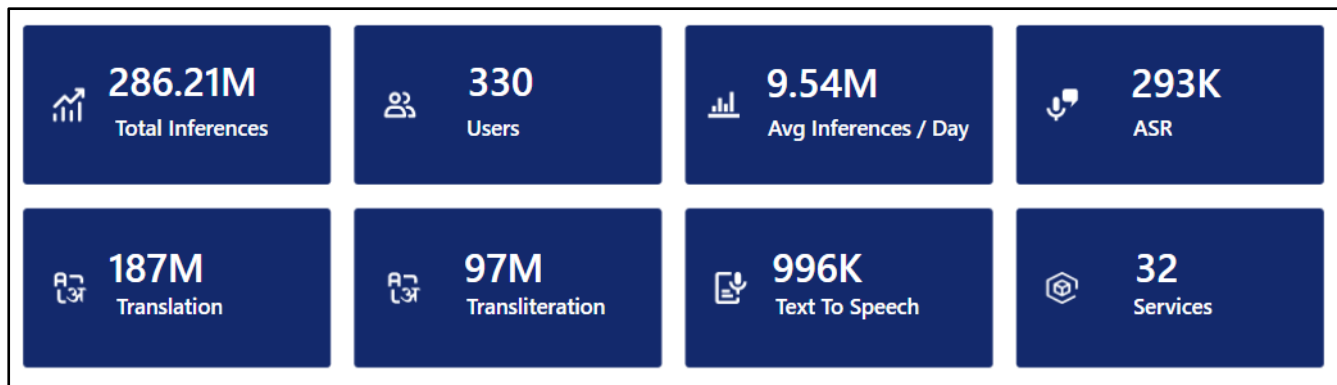
²⁰ <https://ondc.org/>

²¹ <https://bhashini.gov.in/vision-mission>

²² <https://pib.gov.in/PressReleaseIframePage.aspx?PRID=2093333>

²³ <https://pib.gov.in/PressReleaseDetail.aspx?PRID=2088268®=3&lang=1>

- **50+ Stakeholders Onboarded**, including prominent government bodies (NPCI, RBIH, MoRD, Lok Sabha, Rajya Sabha, etc.) and private sector partners.



- **500,000+ Mobile App Downloads.**
- **22+ Languages Supported**

Government e-Marketplace (GeM)

Launched in **2016**, **Government e Marketplace (GeM)**, created in a record time of five months, facilitates **online procurement** of common use Goods & Services required by various Government Departments / Organisations / PSUs.²⁵

Key Achievements:



- As of **January, 2025**, GeM has clocked a GMV of **₹4.09 lakh crore** within 10 months of the current Fiscal Year 2024-25²⁶, which marks a growth of nearly **50%** over the corresponding period last FY.
- GeM has a network of **1.6 lakh+** government buyers and over **22.5 lakh** sellers and service providers.

Santosh Kumar | Sarla Meena | Rishita Aggarwal

²⁴ <https://bhashini.gov.in/>

²⁵ <https://gem.gov.in/>

²⁶ <https://pib.gov.in/PressReleseDetail.aspx?PRID=2095901>