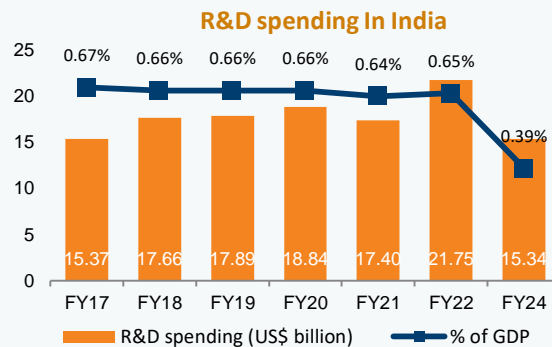




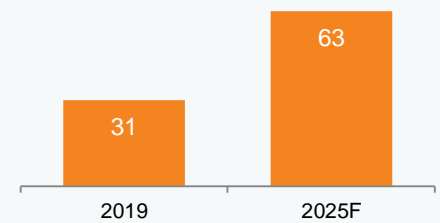
# SCIENCE AND TECHNOLOGY



## MARKET SIZE



## Engineering R&D and product development (US\$ billion)

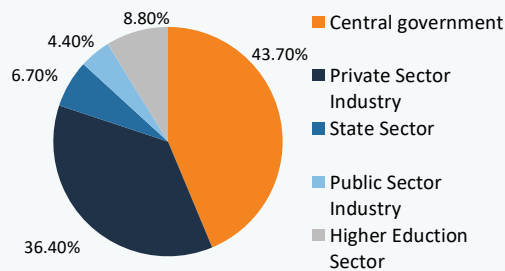


Note: F-Forecasted

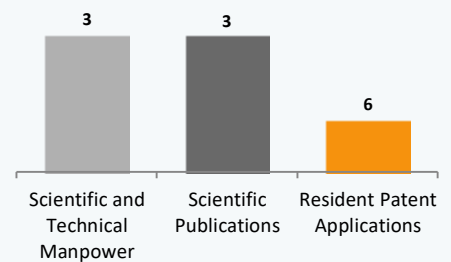


## SECTOR COMPOSITION

### Sector-wise R&D spending

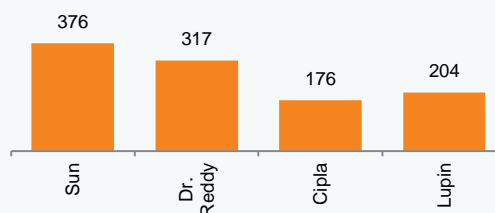


### Global Rank (2022)

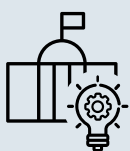
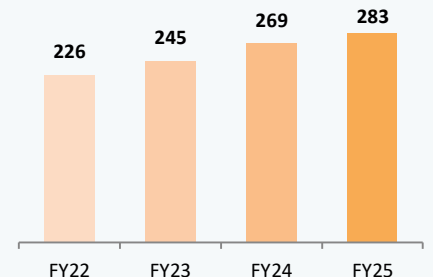


## KEY TRENDS

### R&D spending by top pharma companies in FY25 (US\$ million)



### Indian Technology Revenue (US\$ billion)



## GOVERNMENT INITIATIVES

**Strengthening, Upscaling & Nurturing Local Innovations for Livelihood (SUNIL) Programme, 2023**

**Technology Interventions for Disabled and Elderly (TIDE) programme, 2023**

**CSIR technologies for rural development**

**National Quantum Mission (NQM) for scientific and industrial R&D in Quantum Technology**



## ADVANTAGE INDIA

- Robust demand:** India is rapidly emerging as a global hub for space sector engagement according to the Science and Technology Minister, emphasizing the country's growing capabilities in space technology and innovation.
- Rising Private Activity:** Under the IndiaAI Mission, startups like Sarvam AI, Soket AI, Gnani AI, and Gan AI are building open-source models, backed by affordable GPUs, datasets, and global programmes to drive AI solutions in key sectors.
- Policy support:** India has active bilateral science and technology (S&T) programs of cooperation with more than 45 countries, including dedicated programs for Africa, ASEAN, BRICS, EU and neighboring countries. The Union Cabinet approved a Rs. 99,771 crore (US\$ 11.65 billion) scheme under Anusandhan National Research Foundation (ANRF) to boost deep-tech R&D. India's ambitious vision towards 2047 in science and technology emphasizing self-reliance and innovation-led growth, underscoring ongoing positive momentum in policy support.
- Attractive opportunities:** India is the top exporter of IT products, has the third largest pharma sector and a fast-growing contract research segment. India's drone market could grow from Rs. 35,696 crore (US\$ 4.2 billion) in 2025 to Rs. 1,95,477 crore (US\$ 23 billion) by 2030, as per the EY-FICCI report "Making India the Drone Hub of the World." Between 2010 and 2025, over 86,000 AI-related patents were filed in India, representing more than 25% of all technology patents in the country. The number of AI patents filed from 2021 to 2025 was seven times higher than the filings between 2010 and 2015. Of these, 63% originated in India. Union Minister Dr. Jitendra Singh launched new tools on MoES' 19th Foundation Day to boost climate resilience and forecasting.