

GOVERNMENT OF INDIA
MINISTRY OF SCIENCE AND TECHNOLOGY
DEPARTMENT OF SCIENCE AND TECHNOLOGY
RAJYA SABHA
UNSTARRED QUESTION NO. 2205
ANSWERED ON 06/08/2026

PROMOTION OF RESEARCH IN JHARKHAND

2205# SMT. MAHUA MAJI:

Will the Minister of SCIENCE AND TECHNOLOGY be pleased to state:

- (a) whether Government has conducted any evaluation of central assistance being provided to universities, research institutes and startup ecosystems in Jharkhand for science and technology-based research;
- (b) if so, the details of research projects, innovation programs and financial assistance approved in the State during the last five years; and
- (c) whether Government is considering to initiate any special science and technology program in the State, in order to promote research related to mining, tribal livelihoods, agriculture, water conservation and clean energy?

ANSWER

MINISTER OF STATE (INDEPENDENT CHARGE) FOR THE
MINISTRY OF SCIENCE AND TECHNOLOGY AND EARTH SCIENCES
(DR. JITENDRA SINGH)

- (a) Various programmes implemented under the Central Sector Schemes of the Ministry of Science and Technology for supporting science, technology, research and innovation in institutions across the country, including Jharkhand, are evaluated periodically through project and programme level review mechanisms and expert evaluation committees from time to time. The Ministry of Mines provides financial support for mining-sector projects under the Research and Development (R&D) and S&T-PRISM (Promotion of Research and Innovation in Startups and MSMEs) Programmes. The R&D proposals are evaluated through a mechanism comprising the Preliminary Scrutiny Committee, the Project Evaluation and Review Committee, the Scientific Advisory Group/Project Sanctioning Committee, etc. with the participation of domain experts and senior scientists.
- (b) During the last five years, institutions and beneficiaries in Jharkhand received support under various programmes of the government. Six centres and projects were supported by the Department of Science & Technology (DST) under National Mission on Interdisciplinary Cyber-Physical Systems (NM-ICPS) with assistance of over ₹5.50 crore in areas such as mining, mineral exploration, coal assessment, water treatment and drone-based sensing. Under FIST (Fund for Improvement of S&T Infrastructure in Universities and Higher Educational Institutions) programme, 13 STEM departments across five institutions were supported with financial support of ₹13.55 crore for strengthening research infrastructure. An Inclusive Technology Business Incubator (iTBI) was established at National Institute of Technology Jamshedpur under the NIDHI program with assistance of ₹3.31 crore from DST, enabling the startup culture in the state. Further, seven technology-development projects received

approximately ₹8.56 crore in advanced manufacturing, waste management, biomedical devices and related areas. The Anusandhan National Research Foundation (ANRF) sanctioned 250 projects amounting to ₹88.62 crore, while Department of Biotechnology (DBT) through its Central Sector Scheme, Biotechnology Research Innovation and Entrepreneurship Development (Bio-RIDE), has supported 14 R&D projects with sanctioned budget of ₹6.39 crore. Council of Scientific and Industrial Research (CSIR) funded 53 projects at its laboratories in Jharkhand with an outlay of approximately ₹476.87 crore. Under the CSIR Aroma Mission, more than 14 skill-development and awareness programmes were supported, benefitting over 398 farmers, women and officials. The Ministry of Mines supported 13 mining-sector R&D projects with financial support of ₹4.09 crore. These programs have helped to promote research and development in the fields of mining, tribal livelihoods, agriculture, waste management, etc in the state of Jharkhand.

(c) Under the Central Sector schemes and national programmes of the Department of Science and Technology (DST), Department of Biotechnology (DBT), Council of Scientific and Industrial Research (CSIR), Anusandhan National Research Foundation (ANRF) and other Ministries/Departments, institutions and researchers from Jharkhand are eligible to participate in various national competitive programmes. The ongoing mechanisms supported by the government include the Technology Innovation in Exploration and Mining Foundation at the Indian Institute of Technology (Indian School of Mines), Dhanbad, with focus on development of technologies across the mineral exploration-to-beneficiation value chain. Focused programmes launched by ANRF under the Mission for Advancement in High-Impact Areas (MAHA), including the 2D Innovation Hub, EV Mission, MedTech Mission, Artificial Intelligence for Science and Engineering, CRM Research Programme, Drones: Components and Sub-Assemblies Research and Innovation Programme, Leapfrog Demonstrators for Societal Innovation in India, and the Water Programme, are open to eligible institutions from all States, including the state of Jharkhand.

The Ministry of New & Renewable Energy (MNRE) implements a “Renewable Energy Research and Technology Development Programme (RE-RTD)” through various research institutions and industry to develop indigenous technologies in renewable energy sector. Additionally, research is being carried out under the National Green Hydrogen Mission (NGHM). Further, MNRE also implements an Innovative Project Component under the PM Surya Ghar: Muft Bijli Yojana (PMSG-MBY), to identify and fund new innovations and business models in deployments of rooftop solar and incorporation of cutting-edge technologies in distributed renewable energy deployment. These interventions have strengthened research infrastructure, technology development, entrepreneurship, livelihood opportunities and Jharkhand state’s overall science and innovation ecosystem.
