

GOVERNMENT OF INDIA  
MINISTRY OF SCIENCE AND TECHNOLOGY  
DEPARTMENT OF SCIENCE AND TECHNOLOGY  
**RAJYA SABHA**  
**UNSTARRED QUESTION NO. 2372**  
ANSWERED ON 12/03/2026

**RESEARCH AND PROJECTS UNDER ANRF**

2372. SHRI UJJWAL DEORAO NIKAM:

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

- (a) the progress made in the operationalisation of Anusandhan National Research Foundation (ANRF) after the first meeting of its Governing Board;
- (b) the details of grants sanctioned so far and the major high-impact research areas and projects supported under ANRF;
- (c) whether Government has assessed the impact of ANRF on strengthening the national innovation and research ecosystem and if so, the details thereof; and
- (d) whether any additional missions on thematic initiatives are proposed to be launched under ANRF and if so, the details thereof?

**ANSWER**

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

(a) to (b): Prime Minister Shri Narendra Modi chaired the first meeting of the Governing Board of Anusandhan National Research Foundation (ANRF) on 10<sup>th</sup> September, 2024. The meeting focussed on discussion about India's Science and Technology landscape and redesigning of research and development programmes. The board discussed several areas of strategic interventions of ANRF which include India's international status in important sectors, aligning R&D with national priorities, promoting inclusive growth, capacity building, driving scientific advances and innovation ecosystem, as well as bridging the gap between academic research and industrial applications. The major programs initiated by ANRF since its inception are given below:-

- **Mission for Advancement in High-impact Areas (MAHA)** program of ANRF addresses priority-driven, solution-focused research in mission-mode that would catalyse multi-institutional, multi-disciplinary and multi-investigator collaboration to address scientific challenges and advance the frontiers of technology in key scientific areas. So far, ANRF has identified and launched Electric Vehicle (EV) Mission, 2D Innovation Hub, MedTech Mission, AI for Science and Engineering and CRM Research Program as the priority areas of focus under MAHA program.
- Several broad-based programs like **Advanced Research Grant (ARG)**, **Prime Minister Early Career Research Grant (PMECRG)**, **Inclusivity Research Grant (IRG)** launched by ANRF to providing financial assistance to researchers and scientists in academic institutions in order to create supportive environment for doing research in frontier areas of science and engineering all across the country.
- **Convergence Research Centres of Excellence (CoE)** to establish "convergence" research Centres of Excellence (CoEs) launched by ANRF to undertake cutting edge,

innovative and impactful research at the interface of Science, Technology, Humanities, Social Sciences and Society. These Centres will address complex societal challenges that require integrated perspectives from both technical and social sciences/humanities domains.

- ANRF launched **Centre of Excellence for Science, Technology and Innovation Indicators and Analytics (COE-STIIA)** with the aim to strengthen the institutional mechanism for STI indicators with an end-to-end system. The key objective is to enhance the quality, contextual relevance and applicability of India's STI indicators, their analysis, interpretations and dissemination of information and insights at various levels of policy and program planning, as well as foster alignment with the global indicator frameworks to position India effectively in international indices.
- ANRF launched **PAIR (Partnerships for Accelerated Innovation and Research)** program which is designed to boost the research capability of those institutions including State Universities where research is at a nascent stage but which have the potential to perform well, in a mentorship mode by pairing them with well-established top-tier research institutions in a hub and spoke framework.
- The ANRF **Translational Research and Innovation (ATRI)** initiative will bring together all key stakeholders to channelise the expertise and resources for unlocking the tremendous innovation potential. Under this initiative, ANRF will establish ATRI centres to provide targeted support for advancing potential technologies from TRL 4 to TRL 7, thereby strengthening the innovation pipeline from lab to market.
- ANRF has launched **National Post-Doctoral Fellowship (NPDF)** program to support young researchers after finishing Ph.D. which is effective to retain them in the country. ANRF launched **Ramanujan Fellowship** to attract brilliant scientists and engineers of Indian origin working abroad to return and take up scientific research positions in India.
- The ANRF has launched programs such as the **National Science Chair, JC Bose Grant** and **Prime Minister Professorship** programs to recognise eminent senior scientists for their outstanding contributions at both national and international levels. These initiatives also aim to leverage the expertise of scientists and faculty from reputed academic institutions, research laboratories and industry.

The details of the grants awarded in high-impact areas are given below:

<b>Sr. No.</b>	<b>Project Title</b>	<b>Institute Name</b>	<b>Total Cost (₹ in Crore)</b>
1	Development and Demonstration of Materials and Fabrication Technologies for Tropical Batteries	International Advanced Research Centre For Powder Metallurgy And New Materials (Arci), Hyderabad	68.38
2	Te-MobiX: Safe and Degradation-controlled Batteries with Efficient Charging for Tropical e-Mobility Excellence	Indian Institute Of Technology (Banaras Hindu University), Varanasi	47.77

<b>Sr. No.</b>	<b>Project Title</b>	<b>Institute Name</b>	<b>Total Cost (₹ in Crore)</b>
3	Grid Readiness for EV: Enablers and Technological developments (GREET)	Indian Institute Of Technology Kanpur	47.45
4	Empowering Research in Indigenous Development of EV Sub-systems (E-RIDES)	Indian Institute Of Technology Bombay	56.56
5	Development of high-power Grid-friendly Conductive and Static Wireless Chargers for Electric Vehicles	Indian Institute Of Technology Kharagpur	18.37
6	Rare Earth Magnet-Free Axial Flux Synchronous, Radial Flux Switched Reluctance Motor and their Controllers for EV Applications	National Institute Of Technology Karnataka, Surathkal	7.76
7	Development of wide-bandgap semiconductors based highly efficient power electronics systems for Electric Vehicle	CSIR - Central Electronics Engineering Research Institute(CSIR-Ceeri), Pilani	18.41

(c) to (d): The Anusandhan National Research Foundation (ANRF), recently operationalised, is aimed at strengthening the national research and innovation ecosystem by promoting collaboration among academia, industry and government, and by supporting high-impact research and innovation initiatives. The Foundation has also initiated several mission-mode programmes, including Drones, Water, 6G and Leapfrog Demonstrators, to promote high-impact, solution-oriented and translational research in priority technology areas, with the approval of the Executive Committee of ANRF.

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