

GOVERNMENT OF INDIA
MINISTRY OF SCIENCE AND TECHNOLOGY
DEPARTMENT OF SCIENCE AND TECHNOLOGY
RAJYA SABHA
UNSTARRED QUESTION No. 3808
ANSWERED ON 03/04/2025

INTERNATIONAL SCIENCE AND TECHNOLOGY AGREEMENTS

3808 SHRI KESRIDEVSINH JHALA:

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

- (a) whether Government has signed any agreement with the foreign countries relating to science and technology in the last three years;
- (b) if so, the details thereof; and
- (c) the details of expected outcomes of such agreements?

ANSWER

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

(a) to (b): Ministry of Science and Technology has signed several agreements as well as renewed many existing agreements with the foreign countries relating to science and technology in the last three years. This includes the Implementation Arrangement (IA) between the U.S. National Science Foundation (NSF) and the Department of Science and Technology (DST); the Memorandum of Understanding (MoU) between NSF and the Anusandhan National Research Foundation (ANRF); the Letter of Intent (LoI) between DST and Institut National de Recherche en Informatique et en Automatique (INRIA), France to establish an Indo-French Center for Digital Sciences; a Joint Declaration of Intent (JDI) between DST and German Academic Exchange Service (DAAD) to enhance innovation and incubation ecosystems; MoUs of DST and the Department of Biotechnology (DBT) with Natural Sciences and Engineering Research Council, Canada and National Research Council, Canada for collaboration in Academic R&D and Industrial R&D, respectively; IA between NSF and DBT; MoU between the Department of Atomic Energy (DAE) and the Laser Interferometer Gravitational-Wave Observatory (LIGO) Laboratory, Caltech and Massachusetts Institute of Technology, USA for jointly establishing LIGO-India Observatory in India. An MoU was signed between Survey of India and Rosreestr of Russia for the exchange of knowledge and experience in geodesy, cartography, spatial data infrastructure, and capacity building. The Ministry of Earth Sciences (MoES) has also signed MoUs with Germany on research co-operation in the field of polar and ocean research, tsunami early warning, coastal disaster management and capacity building, ocean, seismic and satellite observations, climate change studies etc. A Letter of Agreement (LoA) was signed between the Australia Institute of Marine Science, Australia and National Centre for Coastal Research, MoES for collaboration under the Indo-Pacific Ocean Initiatives (IPOI) Marine and Coastal Resilience Hub. MoES and Arctic and Antarctic Research Institute (AARI), Russia signed a MoU on research and logistic in Polar Regions. These agreements were signed with well-defined objectives and timelines.

(c) These agreements are likely to enhance and strengthen the scientific and technical capacity building between the partner countries by sharing of knowledge, accessibility to data, better utilisation of resources, coordinating and integrating mutual intellectual activities to enable more efficient operation across different sectors of science and technology. The agreements are also anticipated to contribute towards technology transfers as well as joint co-development of technologies to address common global challenges for our societal benefits and achieve the Sustainable Development Goals (SDGs).
