

GOVERNMENT OF INDIA  
DEPARTMENT OF ATOMIC ENERGY  
**RAJYA SABHA**  
**UNSTARRED QUESTION NO-2281**  
ANSWERED ON 20/03/2025

**DEALS WITH US RELATED TO ATOMIC ENERGY**

2281. SMT. PRIYANKA CHATURVEDI

Will the PRIME MINISTER be pleased to state:-

- (a) whether the Government is collaborating with the US Government and private companies for research and development of atomic energy in India, given that three Indian entities have been removed from the US restrictions list;
- (b) if so, the details thereof; and
- (c) the progress on securing critical minerals and setting up clean energy supply chains with the US?

**ANSWER**

THE MINISTER OF STATE FOR PERSONNEL, PUBLIC GRIEVANCES AND PENSIONS  
AND PRIME MINISTER'S OFFICE (DR. JITENDRA SINGH)

(a)&(b) (1) The Indian Government has an umbrella agreement with US government for "Science and Technology Cooperation" in areas of mutual benefits for peaceful purposes. As a part of this, Implementing Agreements (IA) have been signed between India and USA for Cooperation in the area of accelerator and particle detector research and development of discovery science. Project Annex-1 to the IA is operational for collaboration including Research, Design and Development, Infrastructure Development and Construction of High Intensity Super Conducting Radio Frequency Linear Proton Accelerator in both countries. Project Annex-2 is signed to establish a framework for Neutrino Physics Collaboration between Fermilab and DAE Laboratory and Department of Science & Technology (DST).

(2) The Department has agreement with US National Science Foundation, California Institute of Technology for establishment of an advanced gravitation wave detector in India under the LIGO project.

(3) Tata Memorial Centre (TMC) has Collaboration Agreement with Children Oncology Group, St. Jude Global Alliance, University of California, Resonance Inc., MD Anderson Cancer Centre, University of Maryland for studies related to cancer care.

- (4) Institute of Physics (IOP) has signed a MoU with Brookhaven National Laboratory (BNL), USA.
- (5) Variable Energy Cyclotron Centre (VECC) has signed a Non Proprietary User Agreement with Brookhaven Science Associate, LLC for QGP search using high energy heavy ion collision and related activities in the STAR Experiment (BNL facility) and its data analysis.
- (c) Being part of Minerals Security Partnership (MSP), India is attending the meetings with MSP members of which US is also a member by exploring feasibility of new sources of supply of critical minerals.

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