

**GOVERNMENT OF INDIA  
MINISTRY OF SCIENCE AND TECHNOLOGY  
DEPARTMENT OF SCIENCE AND TECHNOLOGY  
LOK SABHA  
UNSTARRED QUESTION No. 2288  
TO BE ANSWERED ON 23/09/2020**

**NATIONAL MISSION ON QUANTUM TECHNOLOGIES AND APPLICATIONS**

**2288. SHRI NALIN KUMAR KATEEL:  
SHRI KUMBAKUDI SUDHAKARAN:**

**Will the Minister of SCIENCE AND TECHNOLOGY विज्ञान और प्रौद्योगिकी मंत्री be pleased to state:**

- (a) whether the Government has announced to setup a National Mission on Quantum Technologies and Application (NM-QTA) in the Budget, 2020 and if so, the details thereof including the budget outlay;**
- (b) the key features and objectives of the said Mission along with the timeframe for implementation of the Mission;**
- (c) whether the Government has formulated any guidelines on ethical practices to be followed while conducting research under the said Mission covering the aspects of artificial intelligence, privacy and other such elements, if so, the details thereof and if not, the reasons therefor; and**
- (d) whether the Government is considering to partner with foreign countries, foreign investors, and the private sector as a part of the NM-QTA and if so, the details thereof?**

**ANSWER**

**MINISTER OF HEALTH AND FAMILY WELFARE; MINISTER OF SCIENCE AND TECHNOLOGY; AND MINISTER OF EARTH SCIENCES  
(DR. HARSH VARDHAN)**

**स्वास्थ्य और परिवार कल्याण मंत्री, विज्ञान और प्रौद्योगिकी मंत्री और पृथ्वी विज्ञान मंत्री  
(डॉ. हर्ष वर्धन)**

- (a) Yes Sir. In the Budget 2020, Government proposed to provide an outlay of Rs. 8000 crore over a period of five years for the National Mission on Quantum Technologies and Applications (NM-QTA).**
- (b) The Detailed Project Report (DPR) for NM-QTA is being prepared covering the key features, objectives along with the timeframe for implementation of the Mission.**
- (c) No Sir. However, the DPR will come out with the guidelines on ethical practices to be followed while conducting research under NM-QTA, covering the aspects of artificial intelligence, privacy and other such elements.**
- (d) Yes Sir. The details are being worked out as part of DPR preparation.**

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