

GOVERNMENT OF INDIA
MINISTRY OF SCIENCE AND TECHNOLOGY
DEPARTMENT OF SCIENCE AND TECHNOLOGY

RAJYA SABHA
UNSTARRED QUESTION NO. 1411

ANSWERED ON 30/07/2026

NATIONAL QUANTUM MISSION

1411 SHRI SATNAM SINGH SANDHU:

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

- (a) whether manpower requirements under the National Quantum Mission have been assessed;
- (b) the details of institutions identified by the Ministry across related schemes on quantum technology;
- (c) the details of scholarships introduced under the Mission; and
- (d) the international collaborations established, if any?

ANSWER

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

(a) Human Resource Development is one of the key mandates of the four Thematic Hubs (T-Hubs) established under National Quantum Mission (NQM) in the area of quantum computing, quantum communication, quantum sensing & metrology and quantum materials & devices. The manpower requirements have been assessed as part of Mission implementation. Accordingly, the four T-Hubs have provisioned scientific and technical manpower, based on approved project requirements.

(b) Under NQM, a total of 86 institutions have been identified across various Mission components for research, technology development and human resource development in quantum technologies. These include institutions associated with the four T-Hubs comprising 14 Technical Groups with 17 Project Teams, 23 Undergraduate Teaching Laboratories and 17 Project Teams under Quantum Algorithms Technical Group. The list of institutions is placed at Annexure-I.

(c) Under the HRD component, the four T-Hubs support Junior Research Fellowships (JRFs), Senior Research Fellowships (SRFs) and Post-Doctoral Fellowships. In addition, the Quantum Computing T-Hub has introduced the QC- Bridge Post-Doctoral Fellowship, while the Quantum Sensing and Metrology T-Hub has launched the PARIMANA Fellowship Programme, for undergraduate, postgraduate, doctoral and post-doctoral students and researchers.

(d) The Department of Science and Technology has established international collaboration under NQM through the signing of a Letter of Intent (LoI) with Japan for cooperation in quantum technologies.

Annexure I

Sr. No.	Institute
1.	Indian Institute of Technology, Tirupati
2.	Indian Institute of Science Education and Research, Tirupati
3.	Andhra University, Visakhapatnam
4.	University College of Engineering Kakinada, East Godavari, Kakinada, Andhra Pradesh
5.	Rajiv Gandhi University of Knowledge Technologies, Kadapa, Vempalli, Andhra Pradesh
6.	Rajeev Gandhi Memorial College of Engineering and Technology, Kurnool, Nandyal, Andhra Pradesh
7.	Rajiv Gandhi University of Knowledge Technologies, Krishna, Nuzvid, Andhra Pradesh
8.	Gandhi Institute of Technology and Management, Gandhinagar, Visakhapatnam, Andhra Pradesh
9.	GMR Institute of Technology, Rajam, Srikakulam, Andhra Pradesh
10.	Vignan's Foundation for Science Technology and Research (Deemed to Be University), Guntur, Vadlamudi, Andhra Pradesh
11.	Centre for Development of Advanced Computing (C-DAC), Guwahati, Assam
12.	Indian Institute of Technology Guwahati
13.	Indian Institute of Technology (BHU), Varanasi
14.	Indian Institute of Information Technology, Bhagalpur, Bihar
15.	Indian Institute of Technology Patna
16.	Indian Institution of Technology Bhilai
17.	Centre for Development of Telematics (C-DoT), New Delhi
18.	Delhi Technological University, North West Delhi, Shahabad Daulatpur, Delhi
19.	Ramjas College, University of Delhi, New Delhi
20.	Indian Institute of Technology Delhi, New Delhi
21.	Indian Institute of Information Technology, Delhi
22.	Solid State Physics laboratory (SSPL), Defense Research Development Organization (DRDO), New Delhi
23.	Indian Institute of Technology (IIT), Ponda, Goa
24.	Birla Institute of Technology and Science (BITS), Pilani, Goa
25.	Gati Shakti Vishwavidyalaya, Vadodara
26.	Space Application Centre, ISRO, Ahmedabad
27.	Indian Institute of Technology Gandhinagar
28.	Plaksha University, Mohali, Punjab

Sr. No.	Institute
29.	Indian Institute of Technology (Indian School of Mines), Dhanbad
30.	Indian Institute of Technology Jammu
31.	Indian Institute of Science, Bengaluru
32.	Centre for Development of Advanced Computing (C-DAC), Bangalore
33.	Raman Research Institute, Bengaluru
34.	Jawaharlal Nehru Centre for Advanced Scientific Research, Bengaluru
35.	Indian Institute of Information Technology, Dharwad, Hubli, Karnataka
36.	ISRO Satellite Center, Bengaluru
37.	Poornaprajna Institute of Scientific Research, Muddanayakanahalli, Bidalure, Karnataka
38.	Indian Institute of Technology, Palakkad
39.	Centre for Development of Advanced Computing (C-DAC), Thiruvananthapuram
40.	Indian Institute of Science Education and Research Thiruvananthapuram
41.	Indian Institute of Space Science and Technology (IIST), DoS, Thiruvananthapuram
42.	Indian Institute of Technology Mandi
43.	Centre for Development of Advanced Computing C-DAC Pune
44.	Armed Forces Medical College, Pune
45.	Indian Institute of Technology Indore
46.	Indian Institute of Science Education and Research Bhopal
47.	Indian Institute of Technology Bombay, Mumbai
48.	Indian Institute of Science Education and Research (IISER) Pune
49.	Tata Institute of Fundamental Research Mumbai
50.	Visvesvaraya National Institute of Technology, Nagpur, Maharashtra
51.	Indian Institute of Technology Bhubaneswar
52.	National Institute of Science Education and Research, Bhubaneswar
53.	National Institute of Technology, Sundargarh, Rourkela, Orissa
54.	University of Calcutta, Kolkata
55.	Indian Institute of Science Education and Research Mohali
56.	Guru Nanak Dev University, Amritsar, Punjab
57.	Punjab Engineering College (Deemed to Be University), Chandigarh, Punjab
58.	Indian Institute of Technology Ropar, Rupnagar
59.	Indian Institute of Technology (IIT), Jodhpur
60.	Birla Institute of Technology and Science -(BITS Pilani) (Pilani Campus), Rajasthan

Sr. No.	Institute
61.	Indian Institute of Technology Madras, Chennai
62.	Shri G.S. Institute of Tech. and Science, Indore
63.	Society for Electronic Transactions and Security (SETS), Chennai
64.	Rajalakshmi Institute of Technology, Tiruvallur, Chennai Tamil Nadu
65.	SRM Institute of Science and Technology, (Formerly Known as SRM University), Kanchipuram, Kattankulathur, Tamil Nadu
66.	SRM Institute of Science and Technology, Chennai
67.	BITS Pilani Hyderabad Campus
68.	International Institute of Information Technology -(IIIT) Hyderabad
69.	Tata Institute of Fundamental Research Hyderabad
70.	Indian Institute of Technology Hyderabad
71.	University of Hyderabad
72.	Indian Institute of Technology Kanpur
73.	Harish Chandra Research Institute, Prayagraj
74.	Jaypee Institute of Information Technology, Noida
75.	Sharda University, Greater Noida
76.	Indian Institute of Technology Roorkee
77.	Indian Institute of Technology Kharagpur
78.	Indian Association for the Cultivation of Science, Kolkata
79.	The Chatterjee Group Centres for Research and Education in Science and Technology (TCG CREST), Kolkata
80.	S.N. Bose National Centre for Basic Sciences, Kolkata
81.	M.C. Kejriwal Vidyapeeth Institute of Engineering, Howrah, West Bengal
82.	Indian Institute of Science Education and Research- (IISER) Kolkata
83.	Indian Statistical Institute, Kolkata
84.	Saha Institute of Nuclear Physics of Calcutta, Kolkata
85.	Adamas Institute of Technology, Kolkata
86.	Ahmedabad University, Gujarat
