



**GOVERNMENT OF INDIA
MINISTRY OF SCIENCE AND TECHNOLOGY
DEPARTMENT OF SCIENCE AND TECHNOLOGY
NEW DELHI-110016**

**NATIONAL SURVEY ON RESOURCES DEVOTED TO
SCIENTIFIC AND TECHNOLOGICAL (S&T) ACTIVITIES**

2024-25

QUESTIONNAIRE-III

(For Higher Education Institutions)

Please read the instructions before filling in the questionnaire

Confidentiality note:

The information provided in this questionnaire is kept highly confidential and will only be used for analysis purposes. In any circumstances, no individual information will be disclosed.

INSTRUCTIONS FOR FILLING UP THE QUESTIONNAIRE-III

- i. The questionnaire contains 3 sections marked as A, B and C.
- ii. Please fill complete information for the items applicable to your institution. In case exact data are not available, use estimates.
- iii. All alphabets should be filled in BLOCK LETTERS.
- iv. Please stick to the units in which figures are asked e.g. Rupees lakh should be given in Rupees lakh only and not in Rupees thousands or crores.
- v. Please ensure that in each case the numeric values are filled up to two decimal places in proper unit (leaving aside SECTION-C) e.g. Rs 20.434 lakh should be written as: 20.43
- vi. Please see the annexures for filling the codes wherever required.

Please seek clarification on the Questionnaire from any of the following personnel:

- Dr Arvind Kumar, Scientist 'G' & Head (NSTMIS), Department of Science and Technology, Government of India | Phone: 011-26962213, Email: arvind.kumar71@nic.in
- Dr Rabindra Kr. Panigrahy, Scientist 'E', PCPM, Department of Science and Technology, Government of India | Phone: 011-26590441, Email: rabindra.p@nic.in
- Shri Pramod Kr. Arya, Scientist 'C', PCPM, Department of Science and Technology, Government of India | Phone: 011-26590659, Email: pk.arya@nic.in
- Dr. Rajesh Kumar Bhatia, Professor, Department of Computer Science and Engineering, Punjab Engineering College, Chandigarh | Phone: 0172-2753913, Email: rbhatia@pec.edu.in

The completed Questionnaire should be returned to:

Dr. Rajesh Kumar Bhatia
Professor, Department of Computer Science
& Engineering
Punjab Engineering College,
Sector-12, Chandigarh 160012
Email id: rbhatia@pec.edu.in

SECTION-A

GENERAL INFORMATION

Q.I Details of the organisation

Name of the organisation: _____

Postal Address: _____

State/UT Name: _____

Pin Code

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Phone number with area code													
Mobile number													
Website													

Details of Head of the organisation

Name of Head of the organisation: _____

Designation: _____

Phone number with area code													
Mobile number													
Email													

Q.II Details of respondent for seeking clarifications on the filled-in questionnaire

Name of the respondent: _____

Designation: _____

Phone number with area code													
Mobile number													
Email													

Q.III Month and year of set-up of your R&D institution/laboratory/ HEI

Month

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Year

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Q.IV Type of Higher Education Institution (See **ANNEXURE-A** for codes)

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Q.V Fill in the code which best describes the objective of your institute's R&D activities. (See **ANNEXURE-B** for codes) *

0	9
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Q.VI Branch of economic activity to which your R&D institution could be best classified.(See **ANNEXURE-C** for codes) *

8	5
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* Fixed codes for Higher Education Sector

SECTION-B

INFORMATION ON S&T EXPENDITURE

Q.I Estimated percentage of time/resources devoted to the following activities. Forexample, 25% may be indicated in the boxes as:

	0	2	5
1. Basic Research			
2. Applied Research.....			
3. Experimental Development			
4. Other Activities			
Total (1 + 2 + 3 + 4).....	1	0	0

Note: Please ensure total percentage (%) is 100.

DEFINITIONS

1. BASIC RESEARCH

Basic research may be defined as any experimental or theoretical work undertaken primarily to acquire new knowledge of the underlying foundations of phenomena and observable facts, without any particular or specific application or use in view

2. APPLIED RESEARCH

Applied research may be defined as any original investigation undertaken in order to acquire new knowledge. It is, however, directed primarily towards a specific practical aim or objective.

3. EXPERIMENTAL DEVELOPMENT

Experimental development may be defined as any systematic work, drawing on existing knowledge gained from research and/or practical experience that is directed to produce new materials, products and devices, to install new processes, systems and services, and to improve substantially those already produced or installed.

4. OTHER ACTIVITIES

Other activities would include S&T services provided by libraries, information and documentation centers, data banks and information processing departments, museums of science and/or technology, botanical & zoological gardens, geological & hydrological surveying, routine statistical work, testing by recognized methods & activities related to patents & licences, among others. It also includes management and administrative activities related to S & T activities.

Note: A person who is well equipped with research facilities in the institute should fill this form preferably Dean Research or a person having atleast 10 years of research experience.

- Q.II** Give information for expenditure on S&T activities up to two decimal places (e.g. Rs 19.345 lakh should be written as 19.35)

Expenditure (Rupees in lakh)

Sl. No.	Expenditure	Year		
		Actual 2021-22 (Rs in lakh)	Actual 2022-23 (Rs in lakh)	Actual 2023-24 (Rs in lakh)
1	Revenue/Recurring expenditure			
2	Capital/Non-recurring expenditure			
	Total Expenditure (1+2)			
	- Foreign exchange component in total expenditure			

DEFINITIONS

1. REVENUE/ RECURRING EXPENDITURE

Revenue or recurring expenditure includes the cost of wages/salaries and all related labour costs, minorequipment expendable supplies expenditure on office and labour supplies, materials, books, journals, rentof buildings, travel, postal services etc.

2. CAPITAL/ NON-RECURRING EXPENDITURE

Expenditure on purchase of major installation, machinery and equipment, land for building, new buildingsor large scale improvements, modifications and repair to buildings and fixed installations, land improvement work and other expenditure are included under capital/non-recurring expenditure.

- Q.III** Please indicate the sources of funds for S&T activities up to two decimal places

Source of Funds (Rupees in lakh)

Sl. No.	Sources	Year		
		Actual 2021-22 (Rs in lakh)	Actual 2022-23 (Rs in lakh)	Actual 2023-24 (Rs in lakh)
1	Own sources			
2	Central/State governments			
3	Foreign agencies			
4	Private/corporate			
5	Support from other sources			
	Total S&T funds (1+2+3+4+5)			

Note: The total expenditure, as given in **Q.II** for each year, should not exceed the total S&T funds as given in

Q.III for that corresponding year.

If actuals are not available, please use estimates.

SECTION-C

INFORMATION ON S&T MANPOWER EMPLOYED

Q.I Give number of S&T manpower employed by type of work as on April 1, 2024

ACTIVITY													
Sl. No.	Gender	Professors		Associate Professors		Assistant Professors/ Lecturer		Post Doc Fellow/ Ph.D Scholars / R & D Project Staff		Number of scientific and technical personnel engaged in auxiliary activities including skilled workers and technicians		Number of personnel employed on administrative and other non-technical activities including class IV unskilled staff	
		A						B				C	
		A.1		A.2		A.3		B.1		B.2			
		Full time	Part time	Full time	Part time	Full time	Part time	Full time	Part time	Full time	Part time	Full time	Part time
1	Male												
2	Female												
3	Transgender												
	Total (1+2+3)												

Note: “Full Time” means personnel employed on full time basis, on payroll of institution or permanent employee

“Part Time” means personnel engaged on project basis, short term basis, or on contractual basis

DEFINITIONS

SCIENTIFIC AND TECHNICAL PERSONNEL

Scientific and Technical personnel can be defined as the total number of people participating directly in S&T activities in an institution or unit and, as a rule, paid for their services. This group should include scientists and engineers, technicians and auxiliary personnel.

1. R&D ACTIVITIES (for filling Column-A.1, A.2 and A.3 above)

Research and Development (R&D) activities can be defined as any systematic and creative work undertaken in order to increase the stock of knowledge and the use of this knowledge to devise new applications by the Professors, Associate Professors and Assistant Professor/Lecturer. R&D activities include any one or more of the categories of research such as basic research, applied research and experimental development.

2. AUXILIARY ACTIVITIES (for filling Column-B.1 and B.2 above)

Post Doc Fellows, Ph.D. Scholars, and R&D Project Staff are personnel primarily involved in core research activities. They design and conduct experiments, analyze data, and contribute to the development of new technologies and scientific knowledge.

Auxiliary activities refer to those tasks such as maintenance and operation of specialized R&D (or S&T), equipment and machinery, preparing materials and equipment and carrying out experiments, tests and analyses. For example the activities carried out by medical assistants, computer programmers, surveyors, draughtsman, survey interviewers and investigators can be classified as auxiliary activities.

3. ADMINISTRATIVE ACTIVITIES (for filling Column-C above)

Administrative activities refer to those tasks which are clerical, secretarial and administrative in character. For example, personnel providing services such as security, janitorial and maintenance can be classified as administrative activities.

Q.II Please give the number of R&D personnel deployed by fields of science (given in **Column-A of Q.I in SECTION-C**) as per the fields below.

Sl. No.	Fields of science	Male		Female		Transgender		Total	
		Full time	Part time	Full time	Part time	Full time	Part time	Full time	Part time
1	Natural Sciences								
2	Agricultural Sciences								
3	Engineering & Technology								
4	Medical Sciences								
5	Social Sciences								
	Total (1+2+3+4+5)								

Note: The total number of gender-wise personnel should match with total number of full time and part time personnel in **Column-A of Q.I in SECTION-C**.

DEFINITIONS

1. NATURAL SCIENCES

Natural science is a branch of science concerned with the description, prediction, and understanding of natural phenomena, based on empirical evidence from observation and experimentation.

2. AGRICULTURAL SCIENCES

Agricultural science is a multidisciplinary field of biology that encompasses the parts of exact, natural, economic and social sciences that are used in the practice and understanding of agriculture.

3. ENGINEERING AND TECHNOLOGY

Engineering and technology is the part of the technological field that requires the application of scientific and engineering knowledge and methods combined with technical skills in support of engineering activities.

4. MEDICAL SCIENCES

Medical science is the branch of science concerned with maintenance of health and study of the diagnosis, treatment, and prevention of disease.

5. SOCIAL SCIENCES

Social science is a branch of science that deals with the institutions and functioning of human society and with the interpersonal relationships of individuals as members of society.

ANNEXURE-A

TYPE OF HIGHER EDUCATION INSTITUTION

Institute type	Code
Central University	01
Institution of National Importance	02
State Public University	03
Institution Under State Legislature Act	04
State Private University	05
Deemed University – Government	06
Deemed University – Government Aided	07
Deemed University - Private	08
P.G. College	09
Other, Please specify	10

ANNEXURE-B

OBJECTIVES AND CODE NUMBER

Objective	Code
Development of Agriculture, Forestry and Fishing	01
Exploration and Exploitation of the Earth	02
Environment	03
Exploration and Exploitation of Space	04
Transport, Telecommunication and other Infrastructures	05
Energy	06
Industrial Production and Technology	07
Health	08
Education	09
Political and Social Systems, Structures and Processes (including Socio-Economic Services)	10
General Advancement of Knowledge	11
Defence	12
Other aims	13

ANNEXURE-C

BRANCH OF ECONOMIC ACTIVITY AND CODE NUMBERS

Branch of Economic Activity	Code
Agriculture, Forestry and Fishing	01
Mining and Quarrying	05
Manufacture of Food Products	10
Manufacture of Beverages	11
Manufacture of Tobacco Products	12
Manufacture of Textiles	13
Manufacture of Wearing Apparel	14
Manufacture of Leather and Related Products	15
Manufacture of Wood and of Products of Wood and Cork, except Furniture; Manufacture of Articles of Straw and Plaiting Materials	16
Manufacture of Paper and Paper Products	17
Manufacture of Coke and Refined Petroleum Products	19
Manufacture of Chemicals and Chemical Products	20
Manufacture of Basic Pharmaceutical Products and Pharmaceutical Preparations	21
Manufacture of Rubber and Plastic Products	22
Manufacture of Other Non-Metallic Mineral Products	23
Manufacture of Basic Metals	24
Manufacture of Fabricated Metal Products, except Machinery and Equipment	25
Manufacture of Computer, Electronic and Other Optical Products	26
Manufacture of Electrical Equipment	27
Manufacture of Machinery and Equipment n.e.c	28
Manufacture of Motor Vehicles, Trailers and Semi-Trailers	29
Manufacture of Other Transport Equipment	30
Manufacture of Furniture	31
Other Manufacturing	32
Repair and Installation of Machinery and Equipment	33
Electricity, Gas, Steam and Air Conditioning Supply	35
Water Supply; Sewerage, Waste Management and Remediation Activities	36
Construction	41
Transportation and Storage	49
Professional, Scientific and Technical Activities	69
Public Administration and Defence; Compulsory Social Security	84
Education	85
Human Health and Social Work Activities	86
Service Sector	90
Others, please specify	91

