

**GOVERNMENT OF INDIA
MINISTRY OF EDUCATION
DEPARTMENT OF HIGHER EDUCATION**

**LOK SABHA
UNSTARRED QUESTION No. 3038
ANSWERED ON 20/03/2023**

Quality of Research and Development

3038. SHRI D.K. SURESH:

Will the Minister of *Education* be pleased to state:

- (a) the details of the efforts made by the Government to promote spending and quality of Research and Development (R&D) in the country during the last three years, year-wise; and
- (b) the total amount allocated and spent on the said purpose during the above said period, year-wise?

ANSWER

MINISTER OF STATE FOR EDUCATION
(DR. SUBHAS SARKAR)

(a) & (b): The Government has been putting consistent efforts to promote spending and quality of Research and development (R&D) in the country which includes schemes like Uchchatar Avishkar Yojana (UAY), Impacting Research Innovation and Technology (IMPRINT), Impactful Policy Research in Social Science (IMPRESS), Scheme for Trans-Disciplinary Research for India's Developing Economy (STRIDE), Scheme for Promotion of Research and Academic Collaboration (SPARC), National Initiative for Design Innovation (NIDI), Scheme for Transformational and Advanced Research in Sciences (STARS). For the promotion of research in Universities, University Grants Commission (UGC) has brought out guideline for the establishment of Research and Development Cell (RDC) in Higher Educational Institutions.

Department of Science & Technology also runs several schemes targeted at improving the scientific infrastructure across institutions, institutional support for women scientists, empowering communities, deep tech-based research, advancing Atmanirbhar Bharat with several indigenous smart and low cost technologies, etc. It also facilitates States in achieving specific S&T objectives at their level. These programmes/schemes are spread across different sectors, like, health, education, nanoscience & technology, climate change, etc. Besides, agencies like, Defence Research and Development Organisation (DRDO), Department of Biotechnology (DBT), Indian Council of Medical Research (ICMR), Indian Council of Agricultural Research (ICAR), Council of Scientific & Industrial Research (CSIR), etc., also play a critical role in furthering R&D in the country.

As per the latest available R&D statistics brought out by the Department of Science & Technology (DST), the national expenditure on research and development measured in terms of Gross Expenditure on Research and Development (GERD) during the years 2015-16 to 2017-18 was ₹ 95452.44 crore, ₹ 103099.26 crore and ₹ 113825.03 crore respectively. It is estimated to be of the order of ₹ 123847.71 crore for the year 2018-19.
