

**GOVERNMENT OF INDIA
MINISTRY OF HEALTH AND FAMILY WELFARE
DEPARTMENT OF HEALTH RESEARCH**

**LOK SABHA
UNSTARRED QUESTION NO. 3084
TO BE ANSWERED ON 6TH AUGUST, 2021**

RESEARCH UNDER INDIAN COUNCIL OF MEDICAL RESEARCH

**3084 SHRI RAJA AMARESHWARA NAIK:
DR. SUKANTA MAJUMDAR:
SHRI RAJVEER SINGH (RAJU BHAIYA):
SHRIMATI SANGEETA KUMARI SINGH DEO:
SHRI BHOLA SINGH:
SHRI VINOD KUMAR SONKAR:
DR. JAYANTA KUMAR ROY:**

Will the Minister of **HEALTH AND FAMILY WELFARE** be pleased to state:

- (a) whether Indian Council of Medical Research (ICMR) conducts research in the field of medical sciences, if so, the details of research projects undertaken funds spent and revenue generated during the last three years, lab-wise;
- (b) whether the Government has collaborated with FICCI for commercialization of technologies developed by ICMR;
- (c) if so, the details of achievements made including number and cost of technology commercialized so far;
- (d) whether the Government has reviewed the working of ICMR, if so, the details and the outcome thereof indicating the posts lying vacant in various labs of ICMR; and
- (e) the other steps taken/being taken by the Government to improve the functioning of ICMR?

**ANSWER
THE MINISTER OF STATE IN THE MINISTRY OF HEALTH AND
FAMILY WELFARE
(DR. BHARATI PRAVIN PAWAR)**

- (a) Indian Council of Medical Research (ICMR), an autonomous body under the Department of Health Research (DHR), is a medical research organization in the country which spearheads planning, formulation, coordination, implementation and

promotion of biomedical and health research. Through its 27 research institutes across India as well as through extramural funding to promote research in institutes other than ICMR, medical colleges, Universities and non-governmental organizations, ICMR undertakes research in the area of various communicable as well as non-communicable diseases such as malaria, Japanese encephalitis, tuberculosis, HIV/AIDS, Kala-azar, Filariasis, Leprosy, Poliomyelitis, cancer, diabetes, hypertension, cardiovascular diseases and stroke. Also, it caters to the research questions pertaining to current public health concerns including nutrition, reproduction and maternal and child health, occupational and environmental health and health systems research.

Major areas of research undertaken by ICMR Institutes in the last three years can be accessed at ICMR's website at the link https://main.icmr.nic.in/sites/default/files/upload_documents/ICMR_Achievement_last_3yrs.pdf

Details of the funds allocated on intramural and extramural research by ICMR in last three years are attached as **Annexure-I**.

Details of revenue generated in last three years are attached as **Annexure II**.

(b) A Memorandum of Understanding (MoU) has been executed between ICMR & FICCI for commercialization of ICMR technologies.

(c) ICMR-FICCI Health Technology Accelerated Commercialization (HTAC) program was conceived to facilitate the growth of the ICMR research as a technology provider to nation. The outcome of this program is as under:

(i): Capacity Building and Value creation through tech transfer & commercialisation workshops.

(ii): Technology Assessment & Commercialization whereby 20 technologies have been identified for commercialization.

(iii): Participation in Global Research and Development Summit and Exposition-2019 to display the technologies at the exposition held at this summit.

(iv): Business Development status

Technologies titled '*AV Magnivisualiser*'; *Fly ash-based mosquito larvicidal formulations* and *A novel Salmonella Typhi protein* as subunit vaccine is under process of commercialisation.

(d): The working of ICMR has been reviewed by a Review Committee constituted by Government of India under the Chairmanship of Professor (Dr.) M. K. Bhan, Former Secretary, Department of Biotechnology, Government of India.

It, inter alia recommended strengthening the DHR and ICMR linkages; administrative reorganization of the existing institutes by merger of ICMR institutes and centres doing similar work or those having fewer than 10 scientists, or those having low productivity of less than one publication per scientist per year; enhancing Human Resource Capacities; foster Multi-Sector Collaboration; undertaking flagship research programmes in mission mode aligned to national priorities; etc.

7 small institutes of ICMR have since been merged into existing institutes. The mandates of the smaller institutes have been included in that of the parent institutes thus broadening their research expertise and complementing each other's capacities. Also, a number of fellowships have been initiated to nurture clinical scientists.

Presently, in ICMR, there are 211 posts vacant in Health Research Scientists Cadre, 228 posts in Administrative Cadre including Hindi Cadre posts and 1151 posts in Technical Cadre.

(e) A number of organizational, governance, scientific and policy level changes have been made towards augmenting capacity strengthening, infrastructure and mission mode target oriented research, as follows:

- Merger of small Institutes/Centres of ICMR has improved the work efficiency as well as helped in re-appropriating the administrative and financial resources.
- Implementation of DASHBOARD Darpan Portal for analytical review of projects for wider publicity and public awareness. Similarly, Electronic Project Proposal Management System (e-ppms) has been implemented for submission, processing, review of scientific research proposals & release of grants.
- Treasury Single Account (TSA) system was implemented in 2018-19 as part of pilot run by O/o CGA, Ministry of Finance under which entire grant of ICMR is released in RBI as Assignment rather than actual release. TSA has been resumed since April, 2021.

Time bound mission mode projects with national public health priorities in focus have been identified and initiated.

Annexure I

Details of the funds allocated by ICMR for intramural research during the last three years are as follows:

Sl. No.	Name of Institutes	Grant in Aid (2018-19) Rs. In Crore	Grant in Aid (2019-20) Rs. In Crore	Grand in Aid (2020-21) Rs. In Crore
1	Regional Medical Research Centre, Gorakhpur	3.48	4.85	4.93
2	National AIDS Research Institute, Pune	15.55	17.35	21.75
3	National Institute of Cholera and Enteric Diseases, Kolkatta	39.53	34.80	43.49
4	National Institute of Epidemiology, Chennai	25.85	32.60	34.05
5	National Institute of Malaria Research, New Delhi	66.15	80.25	78.05
6	National Institute of Medical Statistics, New Delhi	11.50	15.00	17.55
7	National Institute for Research in Tuberculosis, Chennai	68.34	81.00	83.54
8	National Institute of Virology , Pune	104.00	89.20	111.04
9	National JALMA Institute for Leprosy and other Mycobacterial Diseases Agra	34.60	34.20	32.90
10	Regional Medical Research Centre, Bhubaneswar	14.20	16.95	21.20
11	Regional Medical Research Centre, Port-Blair	6.16	7.80	9.75
12	National Institute for Research in Tribal Health, Jabalpur	25.80	29.70	27.55
13	Rajendra Memorial Research Institute of Medical Sciences, Patna	19.37	23.20	24.55
14	Vector Control Research Centre, Puducherry	30.80	34.95	38.56
15	Desert Medicine Research Centre, Jodhpur	13.25	15.55	15.80
16	National Institute of Cancer Prevention and Research , Noida	14.78	17.70	22.30
17	National Institute of Occupational Health, Ahmadabad	42.80	42.05	36.99
18	National Institute for Research in Environmental Health, Bhopal	7.12	9.70	11.98
19	National Centre for Disease	20.18	17.20	18.88

	Informatics and Research, Bengalure			
20	National Institute of Immunohaemotology , Mumbai	15.24	17.40	20.86
21	National Institute of Pathology, New Delhi	16.24	18.70	19.47
22	National Institute of Traditional Medicine, Belagavi	5.45	6.20	6.86
23	National Institute of Nutrition , Hyderabad	69.04	85.20	80.50
24 #	Bhopal Memorial Health Research Centre, Bhopal	0.00	0.00	131.65
25	National Animal Resource Facility for Biomedical Research , Hyderabad	10.50	9.70	6.80
26	National Institute for Research in Reproductive Health, Mumbai	41.77	49.20	53.82
27	RMRC, Dibrugarh	49.00	28.00	32.00
Grand Total	770.70	818.45	1006.82	

Transferred from the Department of Health Research (DHR) to Indian Council of Medical Research (ICMR) with effect from November, 2019.

Details of the funds allocated by ICMR for extramural research during the last three years are as follows:

Financial Year	Funds allocated (Rupees in Crore)
2018-19	76.27
2019-20	182.25
2020-21	56.48

Annexure II

Sl. No.	Name of Institute / Center	2018-19	2019-20	2020-21 *	Total
1	NIOH, Ahmedabad	0.31	0.32	0.97	1.60
2	RMRC, Dibrugarh	0.19	0.60	0.32	1.11
3	NIRRH, Mumbai	0.37	0.23	0.23	0.83
4	NIRTH, Jabalpur	0.34	0.27	0.12	0.73
5	NCDIR, Bengaluru	0.02	0.03	0.02	0.07
6	RMRC, Gorakhpur	0.00	0.01	0.01	0.02
7	RMRC, PortBlair	0.15	0.04	0.01	0.20
8	NIMR, Delhi	0.23	0.25	0.21	0.69
9	NIE, Chennai	0.20	0.61	0.13	0.94
10	NIN, Hyderabad	0.77	1.24	0.73	2.74
11	NIMS, New Delhi	0.06	0.07	0.37	0.50
12	NJIL&OMD, Agra	0.10	0.19	0.14	0.43
13	NIRT, Chennai	1.37	1.32	1.14	3.83
14	RMRC, Bhubaneswar	0.08	0.16	0.09	0.33
15	NARI, Pune	0.17	0.05	0.09	0.31
16	NICPR, Noida	0.66	0.15	0.10	0.91
17	NIOP, New Delhi	0.09	0.10	0.28	0.47
18	NIV, Pune	0.70	0.19	0.31	1.20
19	NIIH, Mumbai	0.49	0.30	0.09	0.88
20	RMRIMS, Patna	0.19	0.46	2.81	3.46
21	VCRC Puducherry	0.24	0.16	0.37	0.77
22	NICED, KOLKATA	4.84	0.42	0.37	5.63
23	NARF, Hyderabad	0.60	0.05	1.22	1.87
24	NIREH, Bhopal	0.04	0.00	0.01	0.05
25	NITM, Belagavi	0.06	0.04	0.06	0.16
26	NIIRNCD, Jodhpur	0.05	0.03	0.02	0.10
27 #	BMHRC Bhopal	0.00	0.00	4.24	4.24
	Total	12.30	7.30	14.46	34.05

Note - (*) Revenue for F.Y. 2020-21 are subject to Audit of Annual Accounts.

(#) Transferred from the Department of Health Research (DHR) to Indian Council of Medical Research (ICMR) with effect from November, 2019.