

**GOVERNMENT OF INDIA
MINISTRY OF CHEMICALS AND FERTILIZERS
DEPARTMENT OF PHARMACEUTICALS**

LOK SABHA
UNSTARRED QUESTION No. 5006
TO BE ANSWERED ON THE 23rd July, 2019

IDC for Research

5006. SHRIMATI RAKSHA NIKHIL KHADSE:

Will the Minister of **CHEMICALS AND FERTILIZERS** be pleased to state:

- (a) whether the Government has constituted Inter-Departmental Committee (IDC) to coordinate research work in the area of pharmaceuticals undertaken by organisations & institutions of the Government to ensure economy, efficiency, effectiveness and transparency for developing India;
- (b) if so, the details thereof;
- (c) whether the Government is taking steps to establish world class research & development facilities in the country so as to make India the top most drug discovery & innovation hub in the world; and
- (d) if so, the details thereof?

ANSWER

MINISTER IN THE MINISTRY OF CHEMICALS AND FERTILIZERS
(SHRI D.V. SADANANADA GOWDA)

(a) & (b): Yes, Sir. The Department of Pharmaceuticals has constituted an Inter-Departmental Committee (IDC) to coordinate work in the area of Pharmaceuticals undertaken by organizations and institutes under the Central Government for institutionalizing a robust mechanism to ensure economy, efficiency, effectiveness and transparency in the arena of Pharmaceutical research. The Terms of Reference (ToR) of the Committee are: (i) To periodically review and coordinate the research work undertaken by various governmental organizations under different Central Ministries/Departments in a collaborative, synchronized and synergized way for optimum utilization of funds; and (ii) To ensure that research is conducted in such a way so as to avoid duplication of efforts and resources.

(c): Yes, Sir.

(d) : The details are given at Annexure.

Annexure referred to in part (d) of Lok Sabha Unstarred Question No. 5006 for reply on 23.07.2019 raised by SHRIMATI RAKSHA NIKHIL KHADSE regarding 'IDC for Research'.

The details of various steps taken by the Government of India to establish pharmaceutical research and development facilities in the country are as following:-

(i) The Department of Pharmaceuticals has established seven National Institutes of Pharmaceutical Education & Research (NIPERs) at Mohali, Hyderabad, Ahmedabad, Guwahati, Kolkata, Raebareli and Hajipur respectively to promote basic and applied research catering to the needs of pharma industry. These NIPERs carry out research in the areas of New Drug Discovery and Drug Development in various therapeutic areas. These Institutes impart postgraduate and PhD education in various specializations of pharmaceuticals.

(ii) The Council of Scientific and Industrial Research(CSIR) supports drug research through state-of-the-art infrastructure and facilities at its constituent laboratories like CSIR-Central Drug Research Institute (CSIR-CDRI), CSIR-Indian Institute of Chemical Technology (CSIR-IICT), CSIR-Institute of Microbial Technology (CSIR-IMTECH), CSIR-Indian Institute of Toxicology Research, etc. The laboratories are pursuing drugs and pharmaceutical Research and Development activities with an emphasis on affordable healthcare.

(iii) The Department of Science and Technology (DST), under the Drugs and Pharmaceuticals Research Programme (DPRP), supports projects for creation of facilities where leading academic institutions/national laboratories having scientific expertise can cater to the needs of Pharma Industries. Under this programme, specialized structures like cold rooms, animal house isolation chambers, etc can be created. Under this programme upto 2018-19, 55 state-of-the-art infrastructure facilities for Pharmaceutical Research and Development have been created in different premier institutions and Universities, including Facilities for Bio-availability, Pharmacoinformatics, Regulatory Toxicology, Safety Pharmacology at NIPER, Mohali; Pharmacokinetic & Metabolic Studies, Regulatory Pharmacology & Toxicology, Medium Throughput Screening at CDRI, Lucknow; Transgenic & Gene Knockout Mice, Clinical Research facility to Stem Cell Technologies and regenerative medicine, Biosafety Laboratory at CCMB, Hyderabad and Bioequivalence, Pharmacovigilance, New Chemical Entities development, Animal Facilities for Indian Systems of Medicine in other Universities & Institutions.

(iv) To strengthen research facilities for drug development, the Indian Council of Medical Research (ICMR) has identified the Product Development Centres at PGIMER-Chandigarh, CDRI-Lucknow, Nizam Institute-Hyderabad, Seth G.S. Medical Collage & KEM Hospital-Mumbai and AIIMS-Delhi. These centres will evaluate potential products developed by ICMR funded projects in colleges/ICMR centres/centre for advance research. The centres will carry out clinical trials for developing national guidelines/programs, for new drugs e.g. phytopharmaceuticals.

(v) The Department of Biotechnology (DBT), towards strengthening the product development for Biopharmaceuticals, has initiated a Mission entitled: Industry-Academia Collaborative Mission for Accelerating Discovery Research to Early Development for Biopharmaceuticals – “Innovate in India (i3) Empowering biotech entrepreneurs & accelerating inclusive innovation”. The National Biopharma Mission approved by the Cabinet at a total cost of US\$ 250 million for five years with 50% funding through World Bank loan is being implemented by Biotechnology Industry Research Assistance Council (BIRAC) - a Public Sector Undertaking of Department of Biotechnology (DBT). The Mission is focusing on development of (i) Vaccines for Pneumococcus, Dengue, HPV and candidates for other diseases of high burden in India (ii) Biosimilars for cancer, diabetics and rheumatoid arthritis and (iii) Medical devices and diagnostics (iv) Process Development Laboratory; Chemistry, Manufacturing, Control Units and cGMP validation facility for Bio therapeutics.
