

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

RAJYA SABHA
UNSTARRED QUESTION NO. 3070
TO BE ANSWERED ON THE 28TH MARCH, 2023

Success achieved under Phytopharmaceuticals Mission

3070 # Dr. Radha Mohan Das Agrawal:

Will the Minister of **Chemicals and Fertilizers** be pleased to state:

the action to be taken under the Phytopharmaceuticals Mission and the success achieved by the Department in this regard?

ANSWER

**MINISTER OF STATE IN THE MINISTRY OF CHEMICALS & FERTILIZERS
(SHRI BHAGWANTH KHUBA)**

Council of Scientific & Industrial Research (CSIR) under the Department of Scientific & Industrial Research (DSIR) has informed that phase-I of its Phytopharmaceutical Mission (2017-2020) focused on the captive cultivation of important medicinal plants of therapeutic value and pre-clinical development of leads based on eight medicinal plants has developed the capabilities and expertise to work on the phytopharmaceutical route of drug development. The first phase has resulted in one IND filing to the Central Drugs Standard Control Organisation (CDSCO), for the plant *Bergenia ciliata* (IIM-160), a dual inhibitor of IL-6 and nociception for the management of pain in rheumatoid arthritis. Phase-II of the Mission (2021-2023) is focused on the pre-clinical development of six leads, which are ready for IND filing with the CDSCO.

CSIR has further informed that it is working under a tripartite agreement with the Department of Biotechnology (DBT) and Indian Council of Medical Research (ICMR) towards the preclinical development of phytopharmaceutical leads, *Cannabis sativa* and *Boswellia serrata*, for pain management and rheumatoid arthritis treatment, respectively. Both of these leads are currently under IND-enabling studies.
