

GOVERNMENT OF INDIA
MINISTRY OF SCIENCE AND TECHNOLOGY
DEPARTMENT OF BIOTECHNOLOGY

LOK SABHA
UNSTARRED QUESTION No. 1060
TO BE ANSWERED ON 18.09.2020

Use of Biotechnology

1060. Shri Ram Charan Bohra:

Will the Minister of Science and Technology be pleased to state:

- (a) Whether the Government is encouraging States for the use of Bio-technology in various fields of Agriculture;
- (b) If so, the details thereof along with the details of investment made by the Government for the research and development in organic farming.
- (c) Whether the government has invited proposals from the State Governments in this regard;
- (d) If so, the details of the ideas expressed/furnished by the States;
- (e) Whether some States have prepared their own Bio-technology policy and if so, the details thereof; and
- (f) The steps taken/being taken by the Government to provide Bio-technology trained personnel in various fields including in agriculture to increase the overall production?

ANSWER

THE MINISTER OF SCIENCE AND TECHNOLOGY, EARTH SCIENCES AND HEALTH
& FAMILY WELFARE

(a) Yes

(b) Government supports Research Institutes, Central & State Agriculture Universities for competitive R&D and demonstration activities in Agriculture Biotechnology including organic farming. The Biotech-Krishi Innovation Science Application Network (Biotech-KISAN) programme also focuses on taking innovative technologies to the farmers. The activity has been supported across the country including Aspirational Districts. During the last three years, approximately Rs. 310 crores has been invested for supporting the use of Biotechnology in agriculture including organic farming through these programmes.

- (c) Government has not invited any proposal from the State Governments in this regards.
- (d) In view of (c) above, the question does not arise.
- (e) Twenty States and two Union Territories have prepared their own Biotechnology policy.
Details are provided in Annexure I.
- (f) Government through Department of Biotechnology (DBT) has implemented integrated Human Resource Development Program in Biotechnology to provide Biotechnology trained personnel in various fields including agriculture. Some of the major programmes include Postgraduate Teaching Program, DBT-Junior Research Fellowship Program, DBT- Research Associate ship and DBT-Biotechnology industry Training Program (Apprenticeship) Program for skilled and trained manpower etc. These programmes are supported across the country.

Annexure-I

The details of States/UTs having Biotechnology policy are as follows:

S. No.	Name of the State/UT	Biotechnology Policy/Programme
1.	Andhra Pradesh	Biotechnology Policy 2015-2020
2.	Assam	Biotechnology Policy 2018-2022
3.	Bihar	Biotechnology Policy
4.	Chandigarh	Biotechnology Policy Chandigarh
5.	Chhattisgarh	Biotechnology Policy Chhattisgarh
6.	Goa	Biotechnology Policy 2009
7.	Gujarat	Biotechnology Policy 2016-2021
8.	Haryana	Biotechnology Policy Haryana 2002
9.	Himachal Pradesh	Biotechnology Policy 2014
10.	Jammu and Kashmir	Biotechnology Policy 2010
11.	Jharkhand	Jharkhand Information Technology/Biotechnology Policy 2012
12.	Karnataka	Biotechnology Policy 2017-2022
13.	Madhya Pradesh	Biotechnology Policy 2003
14.	Maharashtra	Biotechnology Policy 2001
15.	Odisha	Biotechnology Policy 2018
16.	Punjab	Punjab Biotechnology Programmes
17.	Rajasthan	Biotechnology Policy 2015
18.	Tamil Nadu	Tamil Nadu Biotechnology Policy 2014
19.	Telangana	Biotechnology Policy 2015-2020
20.	Uttar Pradesh	Biotech Policy of UP 2014
21.	Uttarakhand	Biotechnology Policy 2018-2023
22.	West Bengal	Biotechnology Policy 2013