

**GOVERNMENT OF INDIA  
MINISTRY OF AYUSH**

**LOK SABHA  
UNSTARRED QUESTION NO. 371  
TO BE ANSWERED ON 21/07/2023**

**“SCHEME FOR CULTIVATION OF MEDICINAL PLANTS AND HERBS”**

**371. DR. JAYANTA KUMAR ROY:  
SHRI VINOD KUMAR SONKAR:  
SMT. SANGEETA KUMARI SINGH DEO:**

Will the Minister of AYUSH be pleased to state:

- a) whether the Government proposes to implement any scheme for the cultivation of natural herbs and medicinal plants in the country and if so, the details thereof;
- b) the details of the funds allocated for the projects under the scheme during the last three years and the current year, year-wise and State/UT-wise;
- c) whether the Government provides funds for development of infrastructure, research, development and training facilities in the AYUSH system of medicines;
- d) if so, the details thereof; and
- e) the other steps taken/proposed to be taken by the Government in this regard?

**ANSWER**

**THE MINISTER OF AYUSH  
(SHRI SARBANANDA SONOWAL)**

(a) No, Sir. However, Ministry of Ayush, Government of India had implemented Centrally Sponsored Scheme of National Ayush Mission (NAM) to promote the cultivation of medicinal plants from the financial year 2015-16 to 2020-21. As per the scheme guidelines, the support was provided for:

- (i) Cultivation of prioritized medicinal plants on farmer’s land.
- (ii) Establishment of nurseries with backward linkages for raising and supply of quality planting material.
- (iii) Post-harvest management with forwarding linkages.
- (iv) Primary processing, marketing infrastructure etc.

Presently, National Medicinal Plants Board, Ministry of Ayush, Government of India is implementing Central Sector Scheme on “Conservation, Development and Sustainable Management of Medicinal Plants” wherein following activities are supported:

- (i) *In-situ* conservation / *Ex-situ* conservation

- (ii) Livelihood linkages with Joint Forest Management Committees (JFMCs) / Panchayats / Van Panchayats / Biodiversity Management Committees (BMCs) / Self Help Groups (SHGs).
- (iii) IEC activities like Training / workshops / Seminars/ Conferences etc.
- (iv) Research & Development.
- (v) Promotion, marketing and trade of medicinal plants produce.
- (vi) Establishment of nurseries
- (vii) Forward and backward linkage in supply chain of medicinal plants (Integrated component)

Additionally, Under ICAR there is one Institute named as **ICAR-Directorate of Medicinal and Aromatic Plant Research (ICAR-DMAPR) located at Boriavi, Anand, Gujarat** which undertakes research on basic, applied and adaptive aspect on medicinal and aromatic plants. It has undertaken management of Plant Genetic Resources (PGR) as a prioritized activity with the effort for collection, conservation, evaluation and documentation of germplasm of medicinal and aromatic plants alongwith development of Good Agricultural Practices (GAP) of medicinal plants brought under cultivation and which are of high medicinal and economic value. Further, DMAPR maintains several germplasm/accessions of 20 species of MAPs. Besides, large number of accessions of 54 medicinal and aromatic plants are also maintained at different ICAR-AICRP centres. Presently DMAPR maintains 2313 germplasm accessions of 20 species of MAPs and 331 accessions of Betelvine. In addition, 5060 number of accessions of 54 medicinal and aromatic plants are maintained at 26 ICAR-All India Coordinated Research Projects (ICAR-AICRP) centres at different Agro-ecological Zones of the country. Multi-location evaluation trials conducted under the AICRP on Medicinal and Aromatic Plants have resulted in the identification and release of twenty five new improved varieties of medicinal plants of fourteen species and seven varieties of aromatic plants of six species.

**(b)** The details of State-Wise fund allocated from the financial year 2015-16 to 2020-21 for medicinal plants component under National Ayush Mission Scheme (NAM) is at **Annexure-I**.

**(c) to (e)** Ministry of Ayush is implementing the Centrally Sponsored Scheme of National AYUSH Mission (NAM) through State/UT Governments for the overall development and promotion of Ayush systems of medicine by providing financial assistance to them through different activities as per the provision of NAM guideline in accordance to the proposal received in their State Annual Action Plans (SAAPs). Under NAM, there are provisions for financial assistance for infrastructure strengthening under following activities : -

- (i) Ayush Health & Wellness Centres.
- (ii) Co-location of Ayush facilities at Primary Health Centres (PHCs), Community Health Centres (CHCs) and District Hospitals (DHs).
- (iii) Upgradation of existing standalone Government Ayush Hospitals.
- (iv) Upgradation of existing Government/Panchayat/Government aided Ayush Dispensaries/ Construction of building for existing Ayush Dispensary (Rented/

dilapidated accommodation)/ Construction of building to establish new Ayush Dispensary in the area where there are no Ayush facilities available.

(v) Setting up of upto 10/30/50 bedded integrated Ayush Hospitals.

(vi) Establishment of new Ayush colleges in the States where availability of AYUSH teaching institutions is inadequate in Government Sector.

(vii) Infrastructural development of Ayush Under-Graduate Institutions and Post-Graduate Institutions/ add on PG/ Pharmacy /Para-Medical Courses.

Government of India has setup Central Council for Research in Ayurvedic Sciences (CCRAS) an autonomous organization for undertaking, coordinating, formulating, developing and promoting research on scientific lines in Ayurveda. The research activities are carried out through 30 institutes/Centres/Units located all over India and through collaborative studies with various universities, hospitals and institutes. Budget allocated is as under:

<b>Year</b>	2020-21	2021-22	2022-23
<b>Budget (Rs. in Crore)</b>	272.62	316.97	360.50

Ministry of Ayush provides funds for development of infrastructure, research, development and training facilities in the Siddha system of medicines viz intramural research projects (IMR), provision of state of art infrastructure with sophisticated instruments, unit for performing optimal research and development of Siddha system of medicine.

Details of fund utilised for development of infrastructure, research, development for the past three years (in crores):

<b>Year</b>	2020-21	2021-22	2022-23
<b>Budget (Rs. in Crore)</b>	35.30	39.06	46.88

#### **Steps taken by CCRS to promote Siddha medicinal research and related activities:**

- Central Council for Research in Siddha (CCRS) is the apex body of research in Siddha system of Medicine. CCRS undertakes the scientific validation of the Siddha System of Medicine through clinical research, drug research, medicinal plants research, fundamental research, literary research and documentation.
- Central Council for Research in Siddha has granted 75 IMR projects and out of this 8 IMR projects have been completed.
- 54 books, 10 Patents and 650 scientific research articles have been published by CCRS.
- CCRS is equipped with state of the art infrastructure with sophisticated instruments and facilities in the following Departments: Department of Clinical Research, Department of Bio-chemistry, Department of Pathology, Radiology, Department of Chemistry, Department of Pharmacognosy etc., to carry out IMR projects and other associated research work.

- The Council is engaged in multifaceted research activities. In the area of clinical research, pre-clinical Pharmacological / Toxicological studies, open label trials, multi-centric Randomized Controlled Trials (RCTs) are being conducted for acute and chronic diseases. The main emphasis is on diseases of national health priority with a view to develop safe and effective Siddha treatments.
- In addition, an MoU with Accelerating Growth of New India Innovation (AGNI) for the commercialization of R&D technologies and products developed by CCRS.
- Council is also engaged in national collaboration with reputed scientific organization and medical institutions / Universities on diseases of national priorities.

Additionally, National Institute of Siddha is an autonomous body under the Ministry of Ayush that conducts UG degree, PG degree and Ph.D., in Siddha. Ministry of Ayush has sanctioned Rs. 37 crore under capital head for infrastructure development and Rs.38.29 crore under general head for Institute's activities including research, development and training facilities under Siddha system of Medicine for the financial year 2023-2024.

Government of India has setup Central Council for Research in Unani Medicine (CCRUM) and allocated Rs. 175.05 Crore for development of infrastructure and research in the Unani system of medicines during the financial year 2022-23.

Central Council for Research in Homoeopathy is an apex body for scientific research in homoeopathy under the Ministry of AYUSH undertakes research activities such as clinical research, drug proving, drug verification, drug standardization, fundamental research and epidemic research either in intramural mode or in collaboration with different institutes of repute. CCRH has been funded centrally by the Ministry of Ayush and the expenditure is centrally managed. The funds allocated during the last three years and the current year is given below:

<b>Year</b>	2020-21	2021-22	2022-23
<b>Allocation</b>	130.50 Cr.	143.58 Cr.	143.70 Cr.

CCRH has strengthened its infrastructure in terms of having own buildings, developing new laboratories, upgrading of existing laboratories in terms of equipment for undertaking high end research studies in the area of clinical, pre-clinical/ fundamental/ basic research.

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## Annexure-I

**The details of funds allocated to the states under Medicinal Plants Component of "National Ayush Mission" (NAM) Scheme from the Financial Year 2015-16 to 2020-21**

(Rs. in lakh)

S. No	Name of State	2015-16	2016-17	2017-18	2018-19	2019-20	2020-21	Total
1	Andhra Pradesh	133.924	193.165	213.158	128.600	317.00	305.50	<b>1291.35</b>
2	Arunachal Pradesh	25.032	45.031	61.111	36.900	48.70	59.90	<b>276.67</b>
3	Assam	158.971	175.370	392.284	236.700	313.90	453.90	<b>1731.13</b>
4	Andaman & Nicobar	19.489	40.802	68.922	41.600	43.40	50.30	<b>264.51</b>
5	Bihar	396.061	691.887	659.830	398.200	857.30	1258.60	<b>4261.88</b>
6	Chandigarh	92.554	36.445	88.397	53.300	36.70	45.40	<b>352.80</b>
7	Chhattisgarh	152.705	217.942	178.646	107.800	343.70	467.80	<b>1468.59</b>
8	Dadra & Nagar Haveli	38.000	58.619	43.581	26.300	22.90	33.20	<b>222.60</b>
9	Daman & Diu	48.819	69.048	38.721	23.400	22.90		<b>202.89</b>
10	Delhi	52.860	45.422	152.470	55.200	68.60	51.10	<b>425.65</b>
11	Gujarat	168.141	219.886	185.050	111.700	380.40	547.50	<b>1612.68</b>
12	Goa	69.862	41.606	38.115	23.000	38.10	46.40	<b>257.08</b>
13	Haryana	106.131	122.627	166.010	100.200	342.90	306.00	<b>1143.87</b>
14	Himachal Pradesh	62.115	60.036	75.783	45.700	128.90	142.70	<b>515.23</b>
15	Jammu & Kashmir	59.336	93.276	80.392	48.500	106.50	66.60	<b>454.60</b>
16	Jharkhand	144.140	262.674	235.537	142.100	441.10	454.60	<b>1680.15</b>
17	Karnataka	137.270	233.208	247.465	149.300	243.40	408.80	<b>1419.44</b>
18	Kerala	126.562	169.608	269.787	162.800	237.00	405.30	<b>1371.06</b>
19	Ladakh	0.000	0.000	0.000	0.000	0.00	28.50	<b>28.50</b>
20	Lakshadweep	37.478	58.104	27.971	16.910	22.90	25.90	<b>189.26</b>
21	Madhya Pradesh	306.973	499.847	450.651	271.900	564.90	970.90	<b>3065.17</b>
22	Maharashtra	205.972	373.846	355.725	214.700	413.90	599.00	<b>2163.14</b>
23	Manipur	60.896	73.380	90.341	54.500	46.40	84.60	<b>410.12</b>
24	Meghalaya	38.757	55.348	91.576	55.300	46.10	65.20	<b>352.28</b>
25	Mizoram	43.806	44.345	97.568	58.900	25.40	43.30	<b>313.32</b>
26	Nagaland	60.502	53.493	104.669	63.200	82.80	75.50	<b>440.16</b>
27	Orissa	187.726	308.835	297.518	179.500	356.70	521.80	<b>1852.08</b>
28	Punjab	89.625	150.301	104.201	62.900	148.40	219.60	<b>775.03</b>
29	Puducherry	20.075	23.191	38.115	13.800	22.90	20.70	<b>138.78</b>
30	Rajasthan	264.413	474.860	503.220	303.700	533.40	832.80	<b>2912.39</b>
31	Sikkim	30.789	32.172	25.410	15.300	25.40	42.20	<b>171.27</b>
32	Tamil Nadu	144.452	252.725	286.666	173.000	306.00	470.20	<b>1633.04</b>
33	Telangana	111.350	150.835	119.135	71.900	177.90	323.10	<b>954.22</b>
34	Tripura	36.864	54.522	77.281	46.600	59.30	77.80	<b>352.37</b>

35	Uttar Pradesh	720.119	1241.326	1238.718	753.300	1526.00	2278.20	<b>7757.66</b>
36	Uttarakhand	60.989	70.024	130.148	78.500	182.20	212.60	<b>734.46</b>
37	West Bengal	180.811	318.860	348.760	210.500	397.90	638.30	<b>2095.13</b>
	<b>Total</b>	<b>4593.57</b>	<b>7012.666</b>	<b>7582.932</b>	<b>4535.710</b>	<b>8931.900</b>	<b>12633.80</b>	<b>45290.58</b>