

**GOVERNMENT OF INDIA
MINISTRY OF AYUSH**

**LOK SABHA
UNSTARRED QUESTION NO.1819
TO BE ANSWERED ON 16TH DECEMBER, 2022**

RESEARCH AND DEVELOPMENT OF MEDICINES

1819. SHRI PARBHUBHAI NAGARBHAI VASAVA:

Will the Minister of **AYUSH** be pleased to state:

- (a) whether the Ministry has done any research or developed any medicines which are of direct relevance for the Tribals and the diseases especially afflicting them;
- (b) if so, the details thereof during the last three years particularly for tribals of Gujarat; and
- (c) the details of medicines developed by the Government along with the extent to which they have been able to ameliorate the healthcare issues concerning the Adivasi and vanvasis?

ANSWER

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

(a) & (b): Yes Sir. Research Councils under Ministry of Ayush has undertaken following activities in Tribal areas:

- i. Central Council for Research in Ayurvedic Sciences (C.C.R.A.S.) under Ministry of Ayush has developed a formulation (Ayush-RP - a coded drug) for sickle cell Anaemia. A clinical study on sickle cell Anaemia was conducted at Nadurbar district (Maharashtra) in 2013, under Extra mural Research (EMR) scheme. The results of the study have been published.

Further through Tribal Health Care Research Programme (THCRP), CCRAS has taken several initiatives to prevent & cure diseases and maintain health at identified tribal dominated villages/areas in 14 states through 14 C.C.R.A.S. institutes. Detailed list at **Annexure –I**. Core objectives of the program are to create awareness about Health, Nutrition & Hygiene among tribes, providing incidental medical care at door step and documenting demographic trends through door to door survey. During year 2021-22,

C.C.R.A.S. has also conducted research to manage Anaemia & Osteoarthritis, which are prevalent among the tribal population. These research studies have also been taken up for the tribes of Gujarat state during year 2021-22 through the CCRAS institute, Regional Ayurveda Research Institute (RARI), Ahmadabad at total 06 villages.

- ii. Central Council for Research in Homoeopathy (C.C.R.H.) in collaboration with Ministry of Health and Family Welfare and Ministry of Ayush have undertaken –
- a pilot project of integrating Homoeopathy and Yoga in the National Program for the Prevention of Cancer, Diabetes, Cardiovascular Diseases, And Stroke(NPCDCS) at two tribal districts (Sambalpur, Odisha and Nasik, Maharashtra) from May 2017 to May 2020. The total no. of persons benefited was 65,431.
 - Homoeopathy for Healthy Child at ‘Amer Block Jaipur, Rajasthan (from April 2017 to September, 2018) in 19 tribal villages and Kanke block, Ranchi, Jharkhand (from October, 2017 to July 2020) covering 8 villages. The total children enrolled were 6942.
 - Health Camps in Tribal areas in 06 villages of Ranchi, Port Blair and Gangtok was also undertaken.

National Institute of Sowa Rigpa (NISR), Leh has initiated Tribal Health Care Programme for the year 2021-2022 to extend medical aid their door steps and study the living conditions of tribal people, local health traditions practices, availability of medicinal plants, propagation of knowledge about hygiene, prevention of diseases use of common medicinal plants in the area. Further, NISR has also initiated Sowa Rigpa Tribal Health Care Clinic at Padam Zanskar, District Kargil with the aim to extend medical aid to the tribal community in the most remote Zanskar Valley of Kargil District U.T Ladakh and to study the living conditions of tribal population.

National Eastern Institute of Ayurveda & Folk Medicine Research, Pasighat under Ministry of Ayush has undertaken following research work-

- Digital documentation of folk healing practices and procedures among the traditional Healers of certain tribes of Tuensang districts of Nagaland. (Completed)
- Documentation of traditional foods of Angami tribes of Kohima district of Nagaland. (Ongoing)

National Medicinal Plants Board, Ministry of Ayush is implementing a scheme entitled “Central Sector Scheme on Conservation, Development and Sustainable Management of Medicinal Plants” wherein the following activities are supported:

- (i) In-situ conservation / Ex-situ conservation including establishment of herbal garden.
- (ii) Promotional activities including establishment of nurseries for raising the planting material for plantation, marketing and trade of medicinal plants produce.
- (iii) Livelihood linkages with Joint Forest Management Committees (JFMCs) / Panchayats / Van Panchayats / Biodiversity Management Committees (BMCs) / Self Help Groups (SHGs).
- (iv) Information Education and communication (IEC) activities like Training / Workshops / Seminars/ Conferences etc.
- (v) Research & Development activities on various aspects of medicinal plants.

Under the research and development component of aforesaid scheme, project based financial supports provided to government as well as private universities/research institutions/ organizations across the country to carryout research activities on various aspects of medicinal plants. The details of research projects supported on various aspects of medicinal plants including survey, documentation of medicinal plants are at **Annexure-II**.

(c): Central Council for Research in Ayurvedic Sciences (C.C.R.A.S.) under Ministry of Ayush is providing incidental medical aid at their door steps in 14 states through 14 CCRAS institutes through Tribal Health Care Research Programme (THCRP), conducted awareness generation program on Ayurvedic diet and Lifestyle advocacy for prevention of diseases & promotion of health, and also provided IEC material in their regional language which had significant impact. C.C.R.A.S has also provided classical Ayurveda formulations which are licensed and also have been proven for safety & efficacy in identified conditions, Anemia & osteoarthritis, viz, *Dhatri Lauha* + honey in management of Anaemia, and *Yograj Guggulu, Ashwagandha Churna & Narayan Taila* in the management of Osteoarthritis, in all 14 centers of THCRP.

Annexure-I

Details of Tribal Health Care Research Programme under Tribal sub-plan – 98 villages (2022-2023)

S. No.	Institute Names	State	No of Block/ villages	Block/ Village Name
1	CARI, Bhubaneswar	Odisha	07	Santarpur, Chatia ,Paipani ,Chikinagobindpur, Ankalpada, Sarupat Rutisila , Borda
2	RARI,Jaipur	Rajasthan	10	Ghatol, Padal Chhoti , Devda , Se Badanawasa , Baman Para , Charda ,Bassi Ada , Delwara Lokiya
3	RARI, Vijayawada	Andhra Pradesh	05	Madagada , Baski , Madala , Gannela ,Panirangini
4	RARI,Nagpur	Maharashtra	11	Amirza , Dhunde-Shivani , Rangi , Fulbodi , Narchuli , Potegaon , Maregaon , Sawela , Chambarda , Chatgaon , Swargaon
5	RARI,Gwalior	Madhya Pradesh	13	Jhilpipariya, Jogimuar, Khulsan, Lahgadua, Mankadei, Muttor, Nagri, Chauki, BijoriRyt, ChargaonRyt, HinotiyaRyt, Katori, Khakhariya, Silpani
6	CARI, Bangalore	Karnataka	06	Sagare , Itna , Hosahalli , Halasur, Budanur, K.Yedathore.
7	RARI, Patna	Bihar	06	Berai , Ghurauli , Dardari , Naurangiya ,Bairiakalan , Mahdewa
8	CARI, Guwahati	Assam	04	Chaudharypara , Jarpara , Pakrapara ,Deliapara
9	RARI, Gangtok	Sikkim	13	Martam , Chochenpheri , KartokNandook , Rakdong tintack , East Pendam ,Hee ,Singling ,SamdongLingchomTikjyak , Labing , Upper Fambong
10	RARI, Jammu	Jammu	06	Bhatoli ,Mano ,Hadal , Muksias , Dhadkahi ,Chillepain
11	ALRARI Chennai	Tamil Nadu	04	Kariyalur Panchayat , Pacheri Panchayat , Kondiyanatham Panchayat , Pottiyam Panchayat (32 Villages under 4 panchayat)
12	RARI, Port Blair	Andaman & Nicobar Islands	07	Ferrargunj, Prothrapur, Sawai ,Big lapathy ,Kinyuka ,Arong ,Kinmai Kinmois
13	RARC, Tripura	Tripura	05	Jiraniakhala , Radhapur, Kairai . Dinabandhunagar ,Purba Takarjala Chikancherra
14	RARI, Ahmadabad	Gujarat	06	Padhara , Bahediya , JadiSembal, Patadiya , Zanzava Panai Hingatiya

Annexure-II

Details of research projects supported on various aspects of medicinal plants including survey, documentation of medicinal plants under Central Sector Scheme for conservation, development and sustainable management of medicinal plants theme-wise during last three years i.e. during financial year 2019-20 to 2021-22 to different organizations throughout country are as below:

Sr. No.	Research Areas	State	Number of Projects
i.	Survey, identification, characterization and conservation of medical plants	Himachal Pradesh	1
		Kerala	1
		Madhya Pradesh	1
ii.	Post-harvest Management, assessment of heavy metals and integrated post management	Karnataka	2
		Tamil Nadu	1
iii.	Varietal development and prospect of marketing	Assam	1
iv.	Genotype identification, genetic improvement, genome study and germplasm collection & conservation	Adaman & Nicobar Islands	1
		Kerala	1
		Karnataka	1
v.	Development of agro techniques, standardization of nursery techniques and cultivation practices	Chandigarh	1
		Kerala	1
		Uttrakhand	1
vi.	In-vitro propagation studies, micro-propagation chemical & molecular profiling and phyto-chemicals evaluation	Himachal Pradesh	2
		Karnataka	1
		Punjab	2
		Uttar Pradesh	1
vii.	Bioactivity guided fractionation studies and pre-clinical studies	Delhi	1
		Kerala	1
		Himachal Pradesh	1
		Telangana	1
		West Bengal	1
viii.	Survey, documentation and development of geo-tag digital library	Assam	1
		Rajasthan	2
		Punjab	1
ix.	Finding out substitute and authentication of raw drugs	Assam	1
		Gujarat	1
		Himachal Pradesh	1
		Kerala	2
		Maharashtra	1
		Orissa	1
Total			35