

**GOVERNMENT OF INDIA
MINISTRY OF AYUSH**

**RAJYA SABHA
STARRED QUESTION NO.22
TO BE ANSWERED ON 4th FEBRUARY 2025**

“Advance Research in Ayurveda at CARI, Rohini, New Delhi”

Shri Dhananjay Bhimrao Mahadik:

Will the Minister of Ayush be pleased to state:

- (a) whether the Central Ayurveda Research Institute (CARI), Rohini, New Delhi collaborates with national or international research bodies for advanced research in Ayurveda ;
- (b) if so, the details thereof ;
- (c) the other similar initiatives Government plans to promote traditional Indian systems of medicine ; and
- (d) the number of jobs and research opportunities expected to be created by this new facility?

ANSWER

THE MINISTER OF STATE (IC) OF THE MINISTRY OF AYUSH

(SHRI PRATAPRAO JADHAV)

(a) to (d) A Statement is laid on the Table of the House.

Statement referred to in reply to parts (a) to (d) of Rajya Sabha Starred Question No. 22 due for reply on 04.02.2025 asked by Shri Dhananjay Bhimrao Mahadik regarding “Advance Research in Ayurveda at CARI, Rohini, New Delhi”

- (a) & (b) The Central Ayurvedic Research Institute (CARI), New Delhi collaborates with various national research institutions to conduct evidence-based advanced research in Ayurveda. The institute has established partnerships with All India Institute of Medical sciences (AIIMS), New Delhi, Indian Institute of Technology (IIT) Delhi, and Jawaharlal Nehru University (JNU), Delhi. It also operates satellite centers at Ram Manohar Lohia (RML) Hospital, Lady Hardinge Medical College (LHMC) and Safdarjung Hospital Delhi and engages in collaborative projects with these institutions. Details of collaborative projects are placed at **Annexure**. At present, CARI, New Delhi does not collaborate with International Research Institutions.
- (c) The following steps have been taken to promote traditional Indian system of Medicine:-
- I) To promote traditional Indian system of Medicine under Ayush, the Ministry of Ayush is implementing Centrally Sponsored Scheme National Ayush Mission (NAM) and Central Sector Schemes providing financial assistance for promotion and popularisation of Ayush systems of medicine at National and International level namely, Ayush Oushadhi Gunavatta evam Utpadan Samvardhan Yojana (AOGUSY), Promotion of International Cooperation (IC), Promotion of Information, Education and Communication (IEC), Scheme for Conservation, Development and Sustainable Management of Medicinal Plants (CDSMMP), Ayurwashthaya Yojana and Ayurgyan.
- 1) Centrally Sponsored Scheme National Ayush Mission (NAM) is implemented through State/UT Governments and supporting their efforts for overall development and promotion of Ayush system of medicines by providing financial assistance to them under different activities as per the provision of NAM guidelines against their submitted State Annual Action Plans (SAAP). The Mission inter-alia makes provision for the following activities including medical infrastructure: -
- (i) Operationalization of Ayushman Arogya Mandir (AAM)- Ayush
 - (ii) Co-location of Ayush facilities Ayurveda 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 10/30/50 bedded integrated Ayush Hospitals

- (vi) Supply of essential drugs to Government Ayush Hospitals, Government Dispensaries and Government/Government aided Teaching Institutional Ayush Hospitals
- (vii) Establishment of new Ayush colleges in the States where availability of Ayush teaching institutions is inadequate in Government Sector
- (viii) Infrastructural development of Ayush Under-Graduate Institutions
- (ix) Infrastructural development of Ayush Post-Graduate Institutions/ add on PG/Pharmacy /Para-Medical Courses
- (x) Ayush Public Health Programs.

As per the proposals received from the State/UT Governments through SAAPs under NAM, Ministry of Ayush has released an amount of Rs. 4534.28 Crores from the year 2014-15 to 2023-24. After implementation of NAM Scheme, the scale of achievement for development and popularisation of Ayush system of medicine in the States/UTs has increased significantly. Accordingly, budget allocation of NAM enhanced gradually from Rs. 75.28 Crore (in 2014-15) to Rs.1200.00 Crore (in 2024-25) for implementation of different activities of NAM Scheme through States/UTs. Under NAM, consolidated funds are being released to the State/UT Governments for development and promotion of different Ayush systems.

Major activities supported under NAM for development, promotion and popularization of Ayush System of Medicine from 2014-15 to 2023-24 are as follows:-

- (i) 167 units supported for setting up of Integrated Ayush hospitals
 - (ii) 416 Ayush Hospitals and 5036 Ayush dispensaries have been supported for Up-gradation of infrastructure and other facilities
 - (iii) 2322 PHCs, 715 CHCs and 314 DHs have been supported under co-location for recurring assistance of medicines and contingency on an average in each year
 - (iv) 996 Ayush Hospitals and 12405 Ayush dispensaries have been supported for supply of essential Ayush medicines on an average in each year.
 - (v) 16 units supported for establishment of New Ayush Educational Institutions.
 - (vi) 76 Under-Graduate and 36 Post-Graduate Ayush Educational Institutes have been supported for Upgradation of infrastructure, Library and other things.
 - (vii) 1055 Ayush Gram have been supported.
 - (viii) 12500 Ayushman Arogya Mandir (Ayush) have been approved.
- 2) Central Sector Scheme for Promotion of International Co-operation in Ayush aims to promote and strengthen awareness and interest in Ayush systems of Medicine at international level.

The components of the Scheme are as follows: -

- (i) International Exchange of Experts & Officers,
 - (ii) Incentive to drug manufacturers, entrepreneurs, Ayush institutions, Hospitals etc for international propagation of Ayush by participating in international exhibitions, trade fairs, and road shows etc. and registration of Ayush products (Market Authorisation) at regulatory bodies of different countries such as USFDA/ EMEA/ UK-MHRA/ NHPD/ TGA etc. for exports,
 - (iii) Support for International Market Development and Ayush promotion –related activities,
 - (iv) Translation and Publication of Ayush Literature/books in foreign languages,
 - (v) International Fellowship/Scholarship Programme for foreign nationals for undertaking Ayush courses in premier institutions in India.
 - (vi) Setting up and strengthening of Export Promotion Council for Products and Services.
- 3) The Ministry is implementing the Central Sector Scheme for Promotion of Information Education and Communication (IEC) in Ayush to create awareness regarding Ayush Systems of Medicine. This aims to reach out to all sections of the population across the country. This scheme provides assistance for organizing National/State Arogya Fairs, Yoga Fests/Utsavs, Ayurveda Parvs, etc. The Ministry also undertakes Multi-Media, Print Media Campaigns for creating awareness about Ayush System.
- 4) The Ministry is implementing a Central Sector Scheme of Ayurwashya Yojana since FY 2021-22. The Scheme has 02 components viz. (i) Ayush and Public Health (ii) Centre of Excellence (CoE). The objectives of Ayush and Public Health Component of Ayurwashya Yojana are as follows: -
- To promote Ayush intervention for community health care.
 - To demonstrate advantages of Ayush health care in public health.
 - To support for implementing Sustainable Development Goal-2 (SDG2) and Sustainable Development Goal -3 (SDG 3) through integrating Ayush system.
 - Documentation of the efficacy of Ayush systems through Ayush interventions in various public health issues which can be taken up in larger scale for implementation in national health programmes.
- 5) Ministry of Ayush is implementing Central Sector Scheme for Ayush Oushadhi Gunavatta evam Utpadan Samvardhan Yojana (AOGUSY) for the year 2021-2026 with financial outlay of Rs. 122 Crores whose one of the objectives is to encourage building up synergies, collaborations and convergent approaches for promoting standards and quality of Ayush drugs & materials.

II. Further, the following 12 National Institutes and 05 Research Councils under Ministry of Ayush are engaged in co-ordinating, formulating, developing, promoting and popularizing Ayush system of healthcare:

- (i) All India Institute of Ayurveda, New Delhi
- (ii) National Institute of Ayurveda, Jaipur
- (iii) Rashtriya Ayurveda Vidyapeeth, Delhi
- (iv) National Institute of Naturopathy, Pune
- (v) North Eastern Institute of Ayurveda & Homoeopathy, Shillong
- (vi) North Eastern Institute of Ayurveda and Folk Medicine Research, Pasighat
- (vii) National Institute of Unani Medicine, Bengaluru
- (viii) Institute of Teaching & Research in Ayurveda, Jamnagar
- (ix) National Institute of Siddha, Chennai
- (x) National Institute of Homoeopathy, Kolkata
- (xi) Morarji Desai National Institute of Yoga, New Delhi
- (xii) National Institute Of Sowa Rigpa (NISR), Leh
- (xiii) Central Council for Research in Ayurvedic Sciences (CCRAS)
- (xiv) Central Council for Research in Yoga and Naturopathy (CCRYN)
- (xv) Central Council for Research in Unani Medicine (CCRUM)
- (xvi) Central Council for Research in Siddha (CCRS)
- (xvii) Central Council for Research in Homoeopathy (CCRH)

Ayush institutions of different streams under Ministry of Ayush popularize Ayush systems of medicines among masses through their IEC activities using electronic and print media for common people in English, Hindi, and regional languages, which are widely distributed through National/State level Arogya melas, Health camps, exhibitions, expos. Ministry of Ayush is also digitally promoting the Ayush System of Medicine on its various Social Media Platforms i.e. Facebook, Twitter, YouTube etc. Ministry of Ayush also propagates Ayush systems of medicines through its various institutions all across the country by participating in poshan maah abhiyan, participation in seminars/ workshops / conferences/ school health check-ups, providing healthcare services through the OPDs/IPDs of the units and treatment centres of Ayush, publishing peer-reviewed research journals/ newsletters/ publishing bulletin in different streams which are accessible online and are available to international readers as well to enable dissemination of the outcomes of research among the public.

Besides the school health programmes and clinical mobile research programmes, other outreach programs viz. Schedule Caste Sub Plan (SCSP) Research Program, Tribal Health Care Research Program (THCRP), etc., are also being carried out for the promotion and popularity of Indian Medicine System under Ayush. Under this programme, villages having SC/ST population have been selected to create awareness for preventive aspects of different diseases and to provide treatment to the patients in various parts of the country.

- III. 02 Statutory Bodies under Ministry of Ayush i.e. National Commission for Indian System of Medicine (NCISM) and National Commission for Homoeopathy (NCH) are working as a regulatory commission for promotion of Ayush education through which the Ayush System of Colleges with attached hospitals are carrying out the activities related to Medical Education, Research, Healthcare, Public-health across the country.
- IV. The website of the Ministry of Ayush and the Autonomous bodies/ Statutory bodies/ Regulatory bodies etc under Ministry of Ayush are also embodied with information on Ayush Systems of Medicine and hyperlinked with other important websites that provide information for wider utility.
- d) Central Ayurveda Research Institute, New Delhi is already functional with all required staff in a rented building Punjabi Bagh, New Delhi. Therefore, no new job opportunities are expected to be created once this institute is shifted from rented building to its own new building in Rohini, New Delhi. However, generation of new job opportunity to students by imparting Panchkarma Technician Training Course which is affiliated to Healthcare Sector Skill Council under NSDC for promotion & propagation of Ayurveda will also be the focused area of the Institute as Panchkarma training course may be enhanced from 10 to 30 seats or more as the infrastructure will be available in new building.

Further, the purpose of this new CARI building will be development of CARI into a model research institute for undertaking, coordinating and promoting clinical research in Ayurveda with NABH hospital. The Institute will also strengthen Research and treatment in Ayurveda utilizing its classical treatment procedures viz. Panchkarma, Ksharasutra, Raktamokshana & Netra Kriyakalpa. The development of comprehensive, pragmatic, adaptable user-friendly format will be done for clinical diagnosis and clinical examination for utilization among health care professional and support diagnosis with advanced technology using Pathological, biochemical and radiological investigations with a well-equipped NABL Lab which will also augment the research projects taken up by the Institute.

DETAILS OF COLLABORATIVE PROJECTS OF CARI, NEW DELHI WITH NATIONAL INSTITUTES

S.No.	Projects
1.	<p>Collaborative Projects with AIIMS New Delhi:</p> <ol style="list-style-type: none"> 1. A Randomized placebo-controlled Prospective phase 2 clinical study of an Ayurvedic coded drug ‘AYUSH D’ on glycemic control in Pre-Diabetic subjects 2. A Randomized placebo-controlled phase 2 clinical study of an Ayurvedic coded drug ‘AYUSH D’ in the management of Type 2 Diabetes Mellitus as add-on Therapy to Metformin. 3. Prospective Double-Blind Randomized controlled clinical study on Ayurvedic intervention (Sarpagandha Mishran) vs Amlodipine in the management of stage - I Primary Hypertension 4. Randomized Double-Blind Placebo-controlled Clinical study of Ayurvedic coded drug “AYUSH-A” in the Management of Bronchial Asthma (Tamaka Shwasa) 5. Controlled Clinical Trial to assess the effectiveness of topical application of C1 Herbal Oil on Superficial external wound and Split thickness skin graft donors site for surgical wound healing- 1st & 2nd phase in collaboration with AIIMS Delhi 6. Collaborative multi-centric clinical trial to study the effect of Ayush Rasayana (A&B) on ageing in apparently healthy elderly subjects. 7. Randomized control study to evaluate the efficacy of Ayush Cardio Care Tea (AYUSH CCT) and Rajyoga Meditation versus conventional treatment on clinical recovery and postoperative outcomes following mitral valve open heart surgery 8. A Randomized controlled trial to evaluate the efficacy of multimodal Ayurveda interventions in Jaanu Sandhigatavata (Primary Knee Osteoarthritis)
2.	<p>Collaborative Projects with JNU:</p> <p>Efficacy and Safety of AYUSH SR tablet in the management of stress among university students – A double-blind randomized placebo-controlled study (JNU)</p>
3.	<p>Collaborative Projects with IIT Delhi:</p> <ol style="list-style-type: none"> 1. Development of Biomedical Instrumentation for automized preparation of Standardized Kshar sutra in collaboration with IIT Delhi. 2. Development of Automated Basti Yantra- A comprehensive tool for the administration of enema for therapeutic purposes

4.	<p>Collaborative Projects with RML Hospital:</p> <p>Double Blind Randomized Placebo Controlled Multicentric Clinical Trial of Ayush M-3 in the Management of Migraine</p>
5.	<p>Collaborative Projects with Safdarjung Hospital:</p> <ol style="list-style-type: none"> 1. Clinical evaluation of Ayurvedic management in Allergic Rhinitis-A Randomized Controlled trial. 2. Efficacy of Ayurveda interventions (<i>Pushkar Guggulu</i> and <i>Haritaki</i>) as an add-on to standard care in stable coronary Artery Disease: A Double-Blind Randomized controlled study 3. Randomized controlled trial of “Anshumati Ksheer Paka” in hypertension-induced left ventricular hypertrophy 4. Efficacy of Ayurveda interventions in the management of menorrhagia (Raktapradara) – A randomized controlled trial)