

**GOVERNMENT OF INDIA  
MINISTRY OF AYUSH**

**LOK SABHA  
UNSTARRED QUESTION NO. 2802  
TO BE ANSWERED ON 17.03.2023**

**RESEARCH IN AYURVEDA AND OTHER AYUSH SYSTEM OF MEDICINE**

**†2802. DR. RAMESH POKHRIYAL “NISHANK”:**

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

- (a) the funds allocated and released for research in Ayurveda and other AYUSH system of medicines during the last five years including the amount released for Himalayan States, State-wise;
- (b) whether the Government has made any special efforts to integrate both the Allopathic and AYUSH medicine systems; and
- (c) if so, the details thereof?

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

(a) The Ministry of Ayush has established five autonomous Research Councils for dedicated research in AYUSH Systems i.e. Ayurveda, Homoeopathy, Unani, Siddha and Yoga & Naturopathy. The research activities by the Councils are undertaken through peripheral institutes/ centres/ units all over India and also through collaborative studies with various universities, hospitals and institutes. The following Research Councils are established under the Ministry of Ayush.

- i. Central Council for Research in Ayurvedic Sciences (CCRAS)
- ii. Central Council for Research in Homoeopathy (CCRH)
- iii. Central Council for Research in Unani Medicine (CCRUM)
- iv. Central Council for Research in Siddha (CCRS)
- v. Central Council for Research in Yoga & Naturopathy (CCRYN)

The details of the funds allocated and released for research in Ayurveda and other AYUSH system of medicines during the last five years is attached as Annexure-I. However, no separate funds for individual states are allocated by Ministry of Ayush for research in Ayurveda and other AYUSH system of medicines.

(b) & (c) The Government of India is working towards integration of Allopathic and Ayush systems of medicine. Ministry of Health and Family welfare is working on integration of Ayush in new and upcoming AIIMS, Ministry of Ayush is also working on offering patient

centric integrative health care, mainly concentrating on Ayurveda through its All India Institute of Ayurveda (AIIA).

Setting up of 22 new AIIMS across the country has been sanctioned under Pradhan Mantri Swasthya Suraksha Yojana (PMSSY). Provision has been made for a 30 bedded AYUSH block in each of the new AIIMS being set up in the country under PMSSY and its infrastructure development is integral part of construction of new AIIMS except for AYUSH facility at AIIMS Rae Bareilly for which the Standing Finance Committee in its meeting held on 11.01.2023 has directed to submit its plan for approval of competent authority. Funds are sanctioned and released by Ministry of Health and Family Welfare for setting up of AIIMS including an AYUSH block.

Similarly, All India Institute of Ayurveda, an autonomous organisation under the Ministry of Ayush, Govt. of India has adopted integrative approach in the management of diseases which is strictly limited on case to case basis. It also has a **Division of Integrative Medicine** which has the following components:

- Division of integrative orthopaedics
- Division of integrative dentistry
- Division of integrative dietetics
- Division of Emergency Medicine.

In addition to these, all the clinical departments have collocation of Allopathic doctors (on adhoc basis/contractual/on call/empanelled) who offer patient centric services whenever required. Within AIIA Hospital, integrative services are offered at the **ICU, NICU**, and other clinical services. In the diagnostic part, **all diagnostic facilities as per modern science are made available at AIIA** which includes Pathology, Bio-Chemistry, Microbiology, Radiology & Imaging etc. AIIA has also established and providing services & support at **Integrative Medicine department at Safdarjung Hospital, New Delhi.**

Recently NITI Aayog, the Ministry of Ayush, and ICMR jointly took initiatives for the collaboration for integrative research to work on health problems of National importance, development of Joint DHR-Ayush Guideline for integrative research, and for research capacity building for Ayush and ICMR. A joint working group of Ayush-ICMR has also been created, which is headed by DG-CCRAS representing the Ministry of Ayush and Dr. N.S. Chatterjee, Scientist 'G' & Head BMS Division representing the ICMR.

Further, The Central Council for Research in Ayurvedic Sciences (CCRAS) has also taken up projects and studies for integration of Ayurveda with Modern system of Medicine. The details are appended at **Annexure –II**.

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**Annexure-I**

**Details of the grants allocated to five Research Councils of Ministry of Ayush during the last five years (Amount in Crores)**

Sl. No	Schemes/ Programmes	2017-18			2018-19			2019-20		
		BE	RE	AE	BE	RE	AE	BE	RE	AE
1	Grant to Central Council for Research in Ayurvedic Sciences	175.00	216.07	216.02	252.91	286.41	267.03	292.31	288.50	280.68
2	Grant to Central Council for Research in Unani Medicine	123.00	133.93	133.93	130.00	147.00	145.50	152.65	159.54	159.54
3	Grant to Central Council for Research in Homoeopathy	95.50	112.25	112.25	109.50	113.50	109.14	118.53	128.83	128.83
4	Grant to Central Council for Research in Yoga & Naturopathy	32.00	32.00	32.00	29.00	30.56	30.56	41.35	62.45	61.71
5	Grant for Central Councils for Research in Siddha	25.00	26.94	26.94	28.50	31.50	30.04	36.50	33.00	33.00
	<b>Total :</b>	<b>450.50</b>	<b>521.19</b>	<b>521.14</b>	<b>549.91</b>	<b>608.97</b>	<b>582.27</b>	<b>641.34</b>	<b>672.32</b>	<b>663.76</b>

Sl. No	Schemes/ Programmes	2020-21			2021-22		
		BE	RE	AE	BE	RE	AE
1	Grant to Central Council for Research in Ayurvedic Sciences	297.00	273.00	264.16	328.27	309.37	312.72
2	Grant to Central Council for Research in Unani Medicine	157.00	164.05	164.05	167.79	157.73	157.73
3	Grant to Central Council for Research in Homoeopathy	138.50	130.50	130.50	167.58	143.58	135.33
4	Grant to Central Council for Research in Yoga & Naturopathy	40.50	48.30	48.30	59.70	57.44	57.44
5	Grant for Central Councils for Research in Siddha	35.00	35.30	35.30	36.77	39.06	39.06
	<b>Total :</b>	<b>668.00</b>	<b>651.15</b>	<b>642.31</b>	<b>760.11</b>	<b>707.18</b>	<b>702.28</b>

BE = Budget Estimate RE = Revised Estimate AE = Actual Expenditure

### **Details of CCRAS initiative towards Integrative health**

#### **1. Operational study to explore the feasibility of integrating Ayurveda with modern system of medicine in a tertiary care hospital (Safdarjung Hospital New Delhi) for the management of Osteoarthritis (Knee)**

The CCRAS-WHO India country office conducted an operational study to explore the feasibility of integrating Ayurveda with modern system of medicine in a tertiary care hospital (Safdarjung Hospital, New Delhi) for the management of Osteoarthritis (Knee) in 2007. The Ayurvedic treatment provided to 201 patients was found effective in the management of Osteoarthritis Knee with respect to reducing the symptoms, improving the quality of life and reducing the intake of rescue medication (analgesics). The project established a cross referral system and revealed a shift in service seeking behavior of the patients. A Technical report of the study was published by CCRAS in 2007.

#### **2. Feasibility of introducing Indian System of Medicine (Ayurveda) in the National Reproductive and Child Health services at Primary Health Care (PHC) level” in Himachal Pradesh**

Several policy documents such as National Health Policies, National Rural Health Mission (NRHM), Government of India recommend for mainstreaming of traditional systems in health care delivery systems at all levels in the country. The National Population Policy Document 2000 recommended mainstreaming of Indian Systems of Medicine particularly in National Family welfare programme to improve the health indicators of women and children. Special emphasis has been laid down in Ayurveda for Women during pregnancy “Garbhiniparicharya” (Antenatal care) and various Ayurvedic interventions/regimens are mentioned in Ayurvedic literature.

Considering the importance of Maternal Health, the Central Council for Research in Ayurvedic Sciences (CCRAS), Ministry of AYUSH, Government of India developed Four (04) coded formulations i.e. AYUSH AG Tablet, AYUSH GG Tablet, AYUSH PG Tablet & AYUSH AD candy for Antenatal Care systematically through standardization studies for quality assurance and pre-clinically safety studies. The ingredients of formulations were selected rationally with potential leads from the classical Ayurvedic literatures backed by scientific evidence.

Table 1: Ayurveda interventions for Ante -natal care developed by the Council and their indications

S. No.	Name of the intervention	Indication
1.	Ayush AG Tablet	General Health of woman and fetal growth
2.	Ayush GG Tablet	Edema during pregnancy
3.	Ayush PG Tablet	Pregnancy induced Hypertension (PIH)
4.	Ayush ADE candy	Nausea and vomiting

The Central Council for Research in Ayurvedic Sciences (CCRAS) carried out the study in a pilot mode for introducing Ayurveda health care system in the conventional system for Antenatal, postnatal and neonatal care with technical support from Indian Council of Medical Research (ICMR), Government of India. It was implemented in some selected areas viz. Ladbhadhol&Chauntra blocks of Mandi District; and Mahakal&Panchrukhi blocks of Kangra District of Himachal Pradesh.

Total 2465 participants were enrolled in the study. Significant improvement in various outcome indicators such as improvement in Hb%, minimal complications such as vomiting, Edema etc. during pregnancy, achievement of full term pregnancy and nil still birth and neonatal death were observed in the study. Whereas in Himachal Pradesh, Neonatal Mortality Rate (NMR) was 31 per 1000 live births and Infant Mortality Rate (IMR) were 40 according to Sample Registry survey (SRS-2010). Further, there was no mortality of women in the registered cases. No adverse drug reaction (ADR) or adverse event (AE) was reported during the study period. The responsiveness of study participants and the outcome of core indicators reveal the acceptability of study participants for Ayurveda during pregnancy.

To summarize, the core benefits are:

- Improvement of General health conditions and anemic status (Hb gm %) in pregnant woman
- Reduction in pregnancy related complications such as Vomiting, Edema etc.
- Full term normal delivery
- Prevention of infant mortality
- Ayurvedic interventions well tolerated & no adverse event reported ensuring their safety
- Improved communication between Ayurveda and modern practitioners at Primary Health Care Level
- Functional integration through cross referrals

The technology of 2 Ayurvedic interventions viz. AYUSH AG Tablet and AYUSH PG Tablet has been transferred.

Note: A paper has been published “Effectiveness of Ayurvedic interventions for Ante-natal Care (GarbhiniParicharya) at Primary Health Care level - A multi-center operational Study” in Journal of Research in Ayurveda and Siddha published by Central Council for Research in Ayurvedic Sciences, Ministry of AYUSH, New Delhi.

### **3. Integration of AYUSH systems in National Programme for Prevention and Control of Cancer, Diabetes, Cardiovascular Diseases & Stroke (NPCDCS)-**

Central Council for Research in Ayurvedic Sciences, Ministry of Ayush in collaboration with Directorate General of Health Services, Ministry of Health & Family Welfare has implemented and executed a programme viz. Integration of AYUSH (Ayurveda) component with NPCDCS ( National Programme for Prevention and Control of Cancer, Diabetes, Cardiovascular diseases & Stroke ) programme in the identified districts of 3 states viz. Bhilwara (Rajasthan), Surendranagar (Gujarat) and Gaya (Bihar) in 52 centers (49 CHCs and 3 District Hospitals)to cater health care services and reduce the burden of NCDs (Cancer, Diabetes, Cardiovascular diseases & Stroke) by integrating Ayurveda and Yoga.

Under this program 111182 patients were enrolled out of 1394417 screened. 145416Yoga camps were also organized wherein 1727758 individuals participated. Three Research papers have been published in peer reviewed journals

### **4. Feasibility of introducing Ayurveda Intervention in Reproductive and Child Health (RCH) in PHCs of Selected district (Gadchiroli) of Maharashtra (Effectiveness of Ayurvedic intervention for Ante-Natal care (GarbhiniParicharya) at Primary Health Care level: A Multi Centre Operational Study).**

The project has been implemented in 30 selected PHCs of Gadchiroli district of Maharashtra and executed through CCRAS Institute-Regional Ayurveda Research Institute for Mother and Child Health (RARIMCH) Nagpur, Maharashtra, mandated with R&D on Mother and Child Health Care which is in close proximity to Gadchiroli. The study has been completed and the final report is under preparation.