

**GOVERNMENT OF INDIA  
MINISTRY OF AYURVEDA, YOGA & NATUROPATHY,  
UNANI, SIDDHA AND HOMOEOPATHY  
(AYUSH)**

**LOK SABHA  
UNSTARRED QUESTION NO. 4437  
TO BE ANSWERED ON 20<sup>TH</sup> MARCH, 2020**

**RARE AND MEDICINAL PLANTS**

**4437. SHRI RAJU BISTA:**

Will the Minister of **AYURVEDA, YOGA AND NATUROPATHY, UNANI, SIDDHA AND HOMOEOPATHY (AYUSH)** be pleased to state:

- (a) whether the Government has taken any initiative to document and classify the rare and medicinal plants of Himalayan region and other traditional medical system for medicinal use;
- (b) if so, the details thereof;
- (c) whether the Government proposes to set up any specialised central agency to further encourage research and classification of the traditional medicine systems, based on rare plants and herbs of the Eastern Himalayan region; and
- (d) if so, the details thereof and if not, the reasons therefor?

**ANSWER**

**THE MINISTER OF STATE (IC) OF THE MINISTRY OF AYURVEDA,  
YOGA & NATUROPATHY, UNANI, SIDDHA AND HOMOEOPATHY  
(SHRI SHRIPAD YESSO NAIK)**

(a): Yes, the Botanical Survey of India an organization under Ministry of Environment, Forest and Climate Change is mandated for survey of plant diversity of the country and its documentation, including traditional knowledge associated with it at National, Regional, State and Ecosystem level. As per BSI data more than 8000 species of medicinal plants are found in the country, in which 2800 species of medicinal plants are used in different systems of Indian Medicine in the country. In Himalayan region, there are *ca.* 1500 species in Western Himalayan region and *ca.* 3000 species in Eastern Himalayan region. The status of Medicinal plants species are assessed through “rapid threat assessment method” commonly called Conservation Assessment and Management Prioritization (CAMP).

(b): Some medicinal plants of Himalayan region are being rare and endangered in their natural habitat are at **Annexure- I**.

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(c) & (d): Under Ministry of AYUSH, different research councils viz. Central Council for Research in Ayurvedic Sciences (CCRAS), Central Council for Unani Medicine (CCRUM) and Central Council for Research in Siddha (CCRS) are also engaged in survey, documentation of medicinal flora of different areas of the country. Publication details of Himalayan regions by CCRAS, New Delhi are at **Annexure- II**. In addition to traditional medicinal knowledge, Ministry of AYUSH in collaboration with Council of Scientific and Industrial Research (CSIR) has established a Traditional Knowledge Digital Library (TKDL) which entails transcription of Ayurveda, Unani, Siddha codified texts into different languages English, German, French, Japanese and Spanish etc. Government of India has also established a National Institute “The North Eastern Institute of Folk Medicine (NEIFM) Under Ministry of AYUSH at Pasighat, Arunachal Pradesh with the objective to survey, document and validate folk medicine practices and remedies. Ministry of AYUSH also proposes to set up an Institute for High Altitude Medicinal Plants (IHAMP) in Jammu & Kashmir.

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## Annexure -I

### List of some rare and endangered medicinal plants of Himalayan region.

<b>S No.</b>	<b>Botanical Name</b>	<b>Common name</b>
1.	<i>Aconitum heterophyllum</i>	Atis
2.	<i>Aconitum deinorrhizum</i>	Vatsnabh
3.	<i>Atropa acuminata</i> (= <i>Atropa belladonna</i> )	Belladonna
4.	<i>Dactylorhiza hatagirea</i> (= <i>Orchis latifolia</i> )	Salam Panja
5.	<i>Gentiana kurroo</i>	Karu, Trayman
6.	<i>Habenaria edgeworthii</i>	Vridhi
7.	<i>Jurinea dolomiaea</i> (= <i>J. macrocephala</i> )	Dhoop
8.	<i>Lilium polyphyllum</i>	Himalayan lily
9.	<i>Malaxis muscifera</i>	Jeeevak
10.	<i>Picrorhiza kurroa</i>	Kutki
11.	<i>Swertia chirayita</i> (= <i>S. chirata</i> )	Chirata
12.	<i>Angelica glauca</i>	Chora
13.	<i>Arnebia benthamii</i>	Ratanjot
14.	<i>Arnebia euchroma</i>	Ratanjot
15.	<i>Berberis aristata</i>	Daru haridra
16.	<i>Betula utilis</i>	Bhojpatar
17.	<i>Colchicum luteum</i>	Suranja
18.	<i>Dioscorea deltoidea</i>	Baniatakari
19.	<i>Fritillaria roylei</i>	Kakoli
20.	<i>Habenaria intermedia</i>	Riddhi
21.	<i>Nardostachys grandiflora</i> (= <i>N. jatamansi</i> )	Jatamansi
22.	<i>Paris polyphylla</i>	Satwa, Satuwa
23.	<i>Podophyllum hexandrum</i> (= <i>P. emodi</i> )	Bankakri
24.	<i>Polygonatum cirrhifolium</i>	Mahameda
25.	<i>Polygonatum multiflorum</i>	Meda-bhed
26.	<i>Polygonatum verticillatum</i>	Meda (Salam mishri)
27.	<i>Rheum moorcroftianum</i>	Revand chini
28.	<i>Saussurea obvallata</i>	Brahamkamal
29.	<i>Taxus wallichiana</i> (= <i>T. baccata</i> )	Thuner, Taxus
30.	<i>Zanthoxylum armatum</i> ( <i>Z. alatum</i> )	Tirmur, Tejbal

**List of Publications**

<b>S No.</b>	<b>Title of the Books</b>	<b>Year</b>
1.	Uttarakhand Vanoushadhi Darshika (English)	1977
2.	Preliminary Techno Economical Survey of Natural Resources and Herbal Wealth of Laddakh (English)	1978
3.	Medico-Ethno-Botanical Explorations of Sikkim Himalayas	1991
4.	The Medico-Ethno-Botany of Lower Subansiri District (Arunachal Pradesh)	1993
5.	Healing Herbs of Himalaya (English)	2008
6.	Himalaya ki Arogyadayi Vanaspatiyan (Hindi)	2008
7.	Herbal Wealth of Uttarakhand, Vol. I	2015
8.	Herbal Wealth of Uttarakhand, Vol. II	2016
9.	A Hand Book on Medicinal Plants of Himalayas used in Sowa-Rigpa	2016

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