

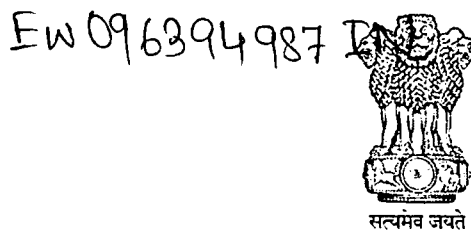


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GOVERNMENT OF INDIA

पर्यावरण, वन एवं जलवायु परिवर्तन मंत्रालय

MINISTRY OF ENVIRONMENT, FOREST & CLIMATE CHANGE



सत्यमेव जयते

स्पीड पोस्ट / SPEED POST



भारतीय वनस्पति सर्वेक्षण / BOTANICAL SURVEY OF INDIA

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फाइल संख्या/ File No.: BSI- 286/1 (Parl.) / 2023 -Tech./ 2352 - 2353

दिनांक/Date: 31st July, 2024

सेवा में / To

The Secretary

Ministry of Environment, Forest and Climate Change

Indira Paryavaran Bhawan, Jor Bagh Road

New Delhi - 110003

(Kind attention: Dr. R. Murugeswaran, Deputy Advisor (Medicinal Plants, NMPB, Ministry of Ayush)

Subject: Lok Sabha Admitted Starred Question Diary No. *165 for 02/08/2024 regarding 'AYUSH Research in Ayurveda College' - reg.

महोदया / Madam,

With reference to the email dated 29.07.2024 from the National Medicinal Plants Board, Ministry of Ayush in connection to the Lok Sabha Admitted Starred Question Diary No. *165 for 02/08/2024 regarding 'AYUSH Research in Ayurveda College' asked by Shri Pradeep Purohit, I am directed to furnish herewith the following information for your kind perusal and necessary action as follows:

(a) whether the Government is aware that as per botanical survey, there are more than 2200 medicinal plants in the Gandhamardan mountain in the district of Bargarh in Odisha;

Answer: As per the available literature, which was done in 2009, a total number of 912 vascular plants are found in the Gandhamardan Hills of Bargarh, Odisha, out of which 125 species are classified as important medicinal plants while 220 species are quasi medicinal plants.

(b) if so, the details thereof;

Answer: As enclosed

(c) whether it is a fact that Ayurvedic college situated in Nrusinghnath in this area is playing a vital role in research work of these medicinal plants;

Answer: No information in this regard is available with BSI.

(d) if so, the details thereof;

Answer: Not Applicable to BSI

(e) whether the Government has any plan to take over this college, and

Answer: No information in this regard is available with BSI.

(f) if so, the details thereof and if not, the reasons therefor?

Answer: Not Applicable to BSI

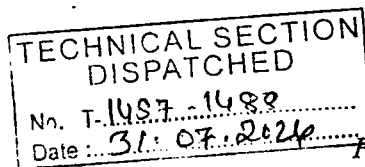
This issues with the approval of Director, Botanical Survey of India.

सधन्यवाद/ Thanking you,

भवदीय/Yours sincerely

प्रेषित / DESPATCHED

31/08/2024



(उमेशकुमार ल. तिवारी / Umeshkumar L. Tiwari)

वैज्ञानिक डी / Scientist 'D'

For, (प्रभारी, तकनीकी अनुभाग / In-charge, Tech. Section)

Encl: Pattanaik, C. and Reddy, C.S. 2009. An assessment of floristic diversity of Gandhamardan hill Range, Orissa, India. *Bangladesh Journal of Plant Taxonomy* p. 29-36



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An assessment of the floristic diversity of Gandhamardan hill range, Orissa, India

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AN ASSESSMENT OF FLORISTIC DIVERSITY OF GANDHAMARDAN HILL RANGE, ORISSA, INDIA

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Keywords: Floristic diversity; Gandhamardan hill range; Life-form; Medicinal plants; Orissa.

Abstract

The plant resources of Gandhamardan hill range were studied and analysed. A total of 912 vascular species belonging to 556 genera under 142 families were recorded. Herbs dominate the flora followed by trees, climbers and shrubs. Dominance of phanerophytes indicates the tropical moist and humid climate. Proper conservation and management plans are needed to save the natural resources, especially medicinal plants, of this sacred hill range.

Introduction

Knowledge of forest structure and floristics are necessary for the study of forest dynamics, plant-animal interactions and nutrient cycling. An aspect that has generated considerable attention for many years among ecologists as well as evolutionary and conservation biologists has been the analysis of the patterns, causes and maintenance of biological diversity in the tropics (Gentry, 1988; Huston, 1994). More recently, there has been an awareness of and an increasing interest in understanding the variation in species diversity within the tropics (Gentry, 1982, 1995). Tropical moist deciduous forests are the most diverse from the floristic point of view.

Gandhamardan hill range is such a tropical moist deciduous system in Orissa, India. Due to diversified topography with twenty-two perennial streams, the hill range having most congenial environment for the luxuriant growth of plant resources. These resources are under severe threat due to over-exploitation by the local people for collection of firewood, fodder and medicinal plants and heavy incidence of grazing. Some sporadic works on floristic and ethnobotanical studies were carried out earlier (Raju, 1960; Panigrahi *et al.*, 1964; Brahmam and Saxena, 1990a, b; Mishra *et al.*, 1994, 2001; Misra and Behera, 1998; Mishra and Das, 2003; Misra, 2004). But, this floristically rich hill range with varied terrain conditions and environmental factors along with its phytogeographical position was not explored well in the past.

The present study is, therefore, the first attempt to make an inventory and analysis of the entire flora of Gandhamardan hill range based on copious field observations, available literature and herbarium data, with a view to contribute to the overall knowledge of Gandhamardan flora and to the management of this sacred hill range.

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Materials and Methods

Gandhamardan hill range (between 20°42' and 21°00' N latitude and 82°41' and 83°05' E longitude) stretches over 240 km² area in Bargarh and Bolangir districts of Orissa, India. The hills are believed to be of ancient age and sacred because legend says, when Hanuman carried the mountain from Himalayas to Sri Lanka in search of *Sanjivani*, some part of it fell down in Orissa. There are two temples (Nrusinghnath and Harishankar) of 11th century based in the foothills on the northern and southern parts of the plateau on the bank of two perennial streams. The hill ranges are composed of a cluster of hills with altitude varying between 600 and 1005 m. Bender, Butel, Chalidilli, Chhatradandi Gandhamardan, Potpani and Thuta are the prominent hills in this area. The range stands as a natural barrier at the border of Bolangir and Bargarh districts of Orissa (Fig. 1). This

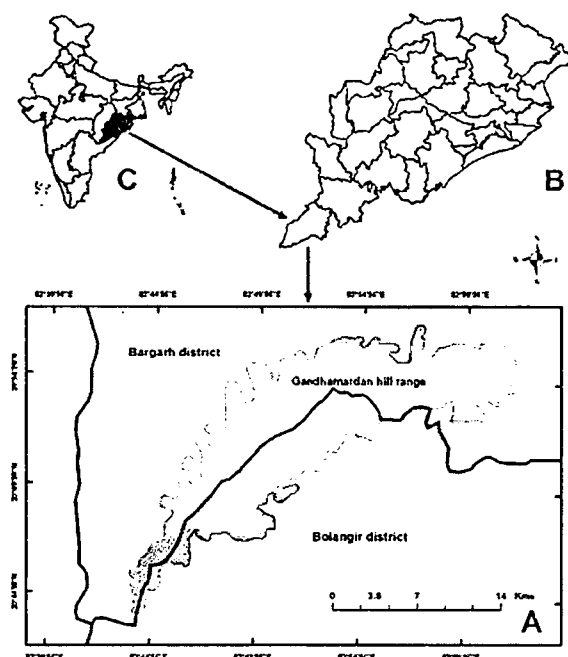


Fig. 1. Map of the Gandhamardan hill range (A), the study area, in Orissa (B), India (C).

area enjoys tropical monsoon climate. The mean annual rainfall ranges between 1250 and 1400 mm. The rainfall in the hill region and temperate climate facilitate tropical deciduous forest with a good number of medicinal plant species. Normally the rain depends on north-east monsoon. The maximum temperature goes up to 37°C in summer (April-May) whereas the minimum falls to 12°C in winter (December-January). The humidity is relatively high. The rock formation is archaic metamorphic called 'Khondalite' to high-level laterite (Pandey and Chatterjee, 1984).

The present study was carried out during 2004-2006. Data on taxon distribution within the Gandhamardan hill range were collected mainly from two sources: field observations and collection of specimens, and literature, while only in a few cases data were assembled from the Herbarium of Regional Research Laboratory (RRL-B). The majority of field observations were carried out from 2004 to 2006 during multiple field trips throughout each growth season. Accordingly, information on habit, habitat, flowering, fruiting period, etc. was recorded. Collection of plant specimens was carried out in both dry and wet seasons to know more information on habitat. The specimens collected were deposited in herbarium of RRL-B. The identification of specimens was carried out by consulting relevant literature (Patro, 1993; Saxena and Brahmam, 1995; Misra and Das, 1998, 2004) and regional floras (Gamble and Fischer, 1915-35; Haines, 1921-25; Mooney, 1950; Saxena and Brahmam, 1996). Life-form categories were identified according to Raunkiaer's system of classification (Raunkier, 1934).

Results and Discussion

Floristic composition: The floristic composition of the hill is remarkable in its diversity and luxuriance. Altogether, 912 vascular plant taxa pertaining to 142 families and 556 genera were collected. The dicotyledonous plants belonged to 106 families, 418 genera and 685 species, and the monocotyledonous plants to 21 families, 122 genera and 206 species. Pteridophytes were represented by 21 species belonging to 15 families and 16 genera. Analysis of flora shows a comparatively higher representation of herbaceous species (519) followed by 173 trees, 119 climbers and 101 shrubs.

In comparison with the Orissa flora (total area 155,707 sq km) consisting of 2727 species (Saxena and Brahmam, 1996), 33.4% of species were recorded in the present study area. The recorded genera of the Gandhamardan flora were 52.4% of the Orissa flora, whereas the families covered 62.3%. A total number of 776 indigenous wild species, 64 introduced wild species and 72 cultivated species were found in the area. The species to genera ratio was 2.6 in Orissa flora, whereas it was 1.6 in the present study. The ratio of genera and family in the Gandhamardan flora was 3.9, whereas the value of the Orissa flora was 4.7. This indicates higher taxonomic diversity of the study area. Pielou (1975) and Magurran (1988) pointed out that, in intuitive terms, hierarchical (taxonomic) diversity will be higher in an area in which the species are divided amongst many genera as opposed to one in which most species belong to the same genus, and still higher as these genera are divided amongst many families as opposed to a few.

A comparison of ten dominant families in the Gandhamardan flora with those of the floras of Sambalpur (Panda and Das, 2004), Bihar and Orissa (Haines, 1921-25) and British India (Hooker, 1872-97) shows a close resemblance among each other (Table 1). Here Caesalpiniaceae (Caesalpinoideae), Papilionaceae (Fabaoideae) and Mimosaceae (Mimosoideae) are treated as subfamilies under Leguminosae. The relative position of

Leguminosae and Gramineae (Poaceae) are almost same in all the works. Scrophulariaceae, Apocynaceae and Malvaceae of the present work do not comply with the first ten families of the Flora of British India (Hooker, 1872-97) where Orchidaceae and Utricaceae are occupying the first and the last positions. Nine dominant families of the present work, except Leguminosae, are phylogenetically advanced and except Euphorbiaceae, all are herb-dominating. The prevalence of microclimatic conditions provided suitable habitats for herb-dominating flora. Euphorbiaceae was represented in this flora with 45 species of which 26 are trees and shrubs. They are mostly deciduous and majority of them contain latex. Leguminosae is one evenly distributed family with trees, shrubs, annual and perennial herbs, climbers and lianas. Most of the families represented in this flora are mainly tropical in distribution. In addition to this, a few temperate families such as Caryophyllaceae, Melastomataceae, Ranunculaceae and Violaceae were also found.

Table 1. Comparison of ten dominant angiospermic families in the Gandhamardan flora from the present study with the floras of Sambalpur, Bihar and Orissa, and that of British India.

Gandhamardan Flora (present study)	Sambalpur Flora (Panda and Das, 2004)	Bihar and Orissa (Haines, 1921-1925)	British India (Hooker, 1872-1897)
Leguminosae	Leguminosae	Leguminosae	Orchidaceae
Gramineae	Gramineae	Gramineae	Leguminosae
Euphorbiaceae	Euphorbiaceae	Cyperaceae	Gramineae
Rubiaceae	Compositae	Compositae	Rubiaceae
Compositae	Cyperaceae	Euphorbiaceae	Euphorbiaceae
Cyperaceae	Acanthaceae	Acanthaceae	Acanthaceae
Acanthaceae	Rubiaceae	Orchidaceae	Compositae
Scrophulariaceae	Scrophulariaceae	Rubiaceae	Cyperaceae
Apocynaceae	Labiatae	Labiatae	Labiatae
Malvaceae	Verbenaceae	Scrophulariaceae	Utricaceae

Exactly 50% of the recorded taxa belonged to only 13 species-rich families. The largest families in terms of number of species were Poaceae (90), Papilionaceae (68), Euphorbiaceae (45), Rubiaceae (41), Asteraceae (36), Cyperaceae (35), Acanthaceae (30), Caesalpiniaceae (20), Scrophulariaceae and Apocynaceae (each with 19 species). A total of 15 species of orchids belonging to 10 genera were also recorded. At genus level, *Ficus* showed the maximum diversity with 14 species. This was followed by *Cyperus* (11), *Cassia* (9), *Blumea* (8), *Bauhinia*, *Grewia*, *Hedyotis*, *Indigofera* (each with 7 species), *Acacia* and *Alysicarpus* (each with 6 species). Analysis of flora shows that most of the genera (388) are represented by single species and a very few genera are represented by more number of species. *Asparagus gonoclados* Baker, *Corchorus trilocularis* L., *Enicostema axillare* (Lam.) A. Raynal and *Triumfetta rotundifolia* Lam. were recorded new to the Flora of Orissa. *Erythrina resupinata* Roxb., *Heterostemma*

tanjorensis Wight & Arn. and *Tylophora fasciculata* Buch-Ham. ex Wight & Arn. are the unique species found in the study area, which are not sighted elsewhere in Orissa. There were 64 invasive exotic species also found, which will be serious threat to the forest ecosystem in the future. Important among them are *Ageratum conyzoides* L., *Chromolaena odorata* (L.) R. King & H. Robins., *Crotalaria pallida* Ait., *Hyptis suaveolens* (L.) Poit., *Lantana camara* L., *Mimosa pudica* L., *Parthenium hysterophorus* L. and *Triumfetta rhomboidea* Jacq.

The upper storey of the vegetation was covered by tall trees with epiphytic growth of lichens, bryophytes, ferns and orchids. It was interesting to note that *Shorea robusta* Gaertn. f., a common species in other parts of Orissa, showed sporadic distribution in the study area. Some of the shrubs e.g., *Ardisia solanacea* Roxb., *Flemingia macrophylla* (Willd.) Prain ex Merr., *Indigofera cassioides* Rottl. ex DC., *Leea asiatica* (L.) Ridsdale and *Morinda citrifolia* L., were found to grow in dense and interior forests. The bamboo species *Dendrocalamus strictus* (Roxb.) Nees. also occupied considerable part of the area. Herbs were mostly distributed all over the hill range, which includes open and dense forests, along the streams, top of the hills with grasses and forest road sides. A good number of lianas and woody climbers were present in the hill range, such as *Bauhinia vahli* Wight & Arn., *Calycopteris floribunda* Lam., *Combretum albidum* G. Don., *Cryptolepis buchanani* Roem. & Schult., *Entada pursaetha* Spreng., *Hemidesmus indicus* (L.) R. Br., *Smilax zeylanica* L., *Toddalia asiatica* (L.) Lam., and *Ventilago madraspatana* Gaertn. Epiphytes were less in number. *Vanda testacea* (Lindl.) Reichb. f. and *V. tessellata* (Roxb.) Hook. ex G. Don. were two common epiphytic orchids found on branches of most tall trees. Four root parasites (*Aeginetia indica* L., *Melasma thompsonii* (Hook. f.) Wettst., *Sopubia delphiniifolia* (L.) G. Don. and *Striga angustifolia* (D. Don) Saldanha) and two stem parasites (*Dendrophthoe falcata* (L. f.) Etting and *Viscum articulatum* Burm. f.) were also recorded from the study area. The extensive flat plateau on the top of the hills running through the whole length of the Gandhamardan range presented a grassland formation with luxuriant growth of various grass species attaining 2-3 m in height. The grassland comprises of *Arthraxon lancifolius* (Trin.) Hochst., *Capillipedium assimile* (Steud.) A. Camus., *Cymbopogon martini* (Roxb.) Wats., *Heteropogon contortus* (L.) P. Beauv. ex Roem. & Schult. and interspersed with stunted growth of *Lagerstroemia parviflora* Roxb., *Phyllanthus emblica* L., *Pimpinella heyneana* (Wall. ex DC.) Kurz. and *Woodfordia fruticosa* L. Kurz.. Weeds such as *Borreria stricta* Roth ex Roem. & Schult., *Cleome monophylla* L. and *Mollugo pentaphylla* L. were common. *Celosia argentea* L. (introduced) is a weed of great nuisance in the abandoned fields near Borasambar, Paikmal and Harishankar.

Life-form analysis: The life-form spectrum in the present study showed predominance of phanerophytes (349 spp., 38.3% of the recorded species), followed by therophytes (298 spp., 32.7%), geophytes (128 spp., 14%), hemi-cryptophytes (119 spp.,

13%) and chamaephytes (18 spp., 2%). Majority of annuals were winter species or cool season species; some were hot-weather species, and a few were non-seasonal species responding to rainfall at any time of the year (e.g., *Tribulus terrestris* L.). The dominance of shrubby species over the grasses when water is limited, as in this area, can be explained by their extensive root system, which is capable of utilizing water stored at different soil depths, whereas grasses utilize the transient water stored in the upper soil synchronic with precipitation pulses. Besides the spatial variations in the species composition of plant communities, the composition of life forms reflected the response of vegetation to variations in certain environmental factors. In this study, the dominance of phanerophytes followed by therophytes over the other life forms seemed to be a response to the prevailing tropical moist and humid climate and biotic interference. The phanerophytes included trees, large woody shrubs, perennial herbs and woody climbers. Therophytes (annuals) are drought evaders in the sense that the whole plant sheds during unfavourable conditions. Moreover, the high proportion of therophytes in this study was also attributed to human activities (Raunkier, 1934).

Medicinal plant exploration: Gandhamardan hill range is also known as 'Ayurvedic paradise' and treasure house for potential medicinal plant species not only for Orissa but also for India. More than 300 plant species were found in the area with medicinal properties. These are depleting rapidly because of unsustainable harvesting, lack of awareness, and unrestricted grazing by domestic animals from nearby villages (Panigrahi, 1963; Pattanaik and Reddy, 2007). Nonetheless, many people from far and wide come to this area to collect medicinal plants and share their knowledge on medicinal uses of these plants. Major medicinal plant species, such as *Asparagus racemosus* Willd., *Celastrus paniculata* Willd., *Chlorophytum arundinaceum* Baker, *Costus speciosus* (Koenig) Sm., *Curculigo orchiioides* Gaertn., *Curcuma angustifolia* Roxb., *Gloriosa superba* L., *Gymnema sylvestre* (Retz.) R. Br. ex Schult., *Plumbago zeylanica* L., *Rubia cordifolia* L. and *Tinospora cordifolia* (Willd.) Hook.f. & Thoms., were harvested in bulk for preparation of medicines by the local people. Unsustainable collection of above medicinal plants has placed them in threatened and vulnerable categories in Conservation Assessment and Management Plan (CAMP) of Orissa.

Conservation measures: In the prevailing situation, conservation of plant resources is very important, as many of these plants, for example *Asparagus gonoclados* and *Enicostema littorale* Blume, have been reduced to a greater extent. Therefore, sustainable utilization of medicinal plants is an urgent demand of the hour. Sustainable wild collection with fair trade would help to conserve the natural resources of the Gandhamardan hill range. Piloting of farmer-based cultivation trials for a selected number of threatened and indigenous medicinal plant species on the edges of forests and in home gardens should be encouraged. The state Forest Department should initiate *in situ* as well as *ex situ* conservation practices by promoting nurseries, home garden and

plantation. The state government should promote Village Management Committee (VMC) and Conservation Area Management Committee (CAMC) to protect the forests from denudation. Community mobilization and creating awareness on sustainable harvesting of plant parts among the local people of the surrounding villages must be done at priority level. The local non-government organisations (NGOs) should promote participatory research in breeding and participatory knowledge management involving scientists, government officials and tribal families. The Forest and Environment Department should establish linkages with markets, so that the cultivation of medicinal plants becomes market-driven, with assured income security for tribal families. Unrestricted movement of pilgrims all around the adjoining forest areas near to the temple are causing loss of plant species. It is necessary to improve the socio-economic conditions of people living around the hills to minimize the anthropogenic activities in order to prevent depletion of natural resources of this sacred hill range.

Acknowledgements

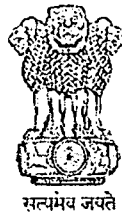
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MINISTRY OF ENVIRONMENT, FOREST & CLIMATE CHANGE

भारतीय वनस्पति सर्वेक्षण / BOTANICAL SURVEY OF INDIA
सी.जी.ओ. कॉम्प्लेक्स / CGO COMPLEX
तृतीय एम. एस. ओ. भवन / 3RD MSO BUILDING
पाँचवाँ और छठा तल / 5TH & 6TH FLOOR
डी एफ ब्लॉक, सेक्टर 1 / DF BLOCK, SECTOR I
साल्टलेक, कोलकाता-६४ / SALT LAKE, KOLKATA - 700064
Tel.: (033) 2321 4050 [Tech. Section] ; E-mail: tech@bsi.gov.in

फाइल संख्या/ File No.: BSI- 286/1 (Parl.) / 2023 -Tech. / 1411

दिनांक/Date: 26th July, 2024

सेवा में / To

The Secretary
Ministry of Environment, Forest and Climate Change
Indira Paryavaran Bhawan, Jor Bagh Road
New Delhi - 110003

(Kind attention: Dr. Dr. R. Murugeswaran, Deputy Advisor (Medicinal Plants, NMPB, Ministry of Ayush))

Subject: Lok Sabha Starred Question Diary No. 3681 for 02/08/2024 regarding 'AYUSH Research in Ayurveda College' - reg.

महोदया / Madam,

With reference to the email dated 25.07.2024 from the National Medicinal Plants Board, Ministry of Ayush in connection to the Lok Sabha Starred Question Diary No. 3681 for 02/08/2024 regarding 'AYUSH Research in Ayurveda College', I am directed to furnish herewith the following information for your kind perusal and necessary action as follows:

(a) whether the Government is aware that as per botanical survey, there are more than 2200 medicinal plants in the Gandhamardan mountain in the district of Bargarh in Odisha;

Answer: As per the available literature, which was done in 2009, a total number of 912 vascular plants are found in the Gandhamardan Hills of Bargarh, Odisha, out of which 125 species are classified as important medicinal plants while 220 species are quasi medicinal plants.

(b) if so, the details of thereof;

Answer: As enclosed

(c) whether it is a fact that Ayurvedic college situated in Nrusinghnath in this area is playing a vital role in research work of these medicinal plants;

Answer: No information in this regard is available with BSI.

(d) if so, the details thereof;

Answer: Not Applicable to BSI

(e) whether the Government has any plan to take over this college, and

Answer: No information in this regard is available with BSI.

(f) if so, the details thereof and if not, the reasons therefor?

Answer: Not Applicable to BSI

This issues with the approval of Director, Botanical Survey of India.

सधन्यवाद/ Thanking you,

भवदीय/Your sincerely

(एस. एस. दाश / S. S. Dash)

वैज्ञानिक एफ / Scientist 'F'

(प्रभारी, तकनीकी अनुभाग / In-charge, Tech. Section)

Encl: Pattanaik, C. and Reddy, C.S. 2009. An assessment of floristic diversity of Gandhamardan hill Range, Orissa, India. *Bangladesh Journal of Plant Taxonomy* p. 29-36

Re: Lok Sabha Starred Question no. 165 for 02/08/2024 regarding 'AYUSH Research in Ayurveda college'-reg.

*ms - nindhan . for
ms p.
1/2/24
3:17pm*

From : Dr.Bidhan Mahajon <dr.bidhan@gov.in> Mon, Jul 29, 2024 10:53 AM
Subject : Re: Lok Sabha Starred Question no. 165 for 02/08/2024 regarding 'AYUSH Research in Ayurveda college'-reg. 3 attachments

To : Dr(Mr) Himanshu Pathak <dg.icar@nic.in>, Ashwani Kumar <jsadm-n-agri@gov.in>, Chandra Prakash Goyal <cpgoyal@nic.in>, Director General CSIR <dg@csir.res.in>, Director General CSIR <dgcsir@csir.res.in>, Secretary DSIR <secy-dsir@gov.in>, DG ICMR <secy-dg@icmr.gov.in>, Rabinarayan Acharya <dg-ccras@nic.in>, ccrhindia@gmail.com, unanimedicine@gmail.com, ccrschennai@gmail.com, icmrhqds <icmrhqds@sansad.nic.in>, Ms Leena Nandan <secy-moef@nic.in>, Itakpa jigmet <Itakpa.jigmet@gov.in>, DBT Bioresource PD <bioresource-dbt@dbt.nic.in>, Parliament Cell <parl@csir.res.in>, ccrh@del3.vsnl.net.in, ccrhpq@gmail.com, manish das <manish.das@icar.gov.in>, Manoj Bapna <manojb12365-cgo@gov.in>, Renu sharma <renu.sharma16@gov.in>, parliamentreply ccras <parliamentreply.ccras@gmail.com>, A Dhanalakshmi <a.dhanalakshmi@nic.in>, neifmpasighat@gmail.com, Technical Section BSI <tech@bsi.gov.in>, secretary@ncismindia.org, NationalResearchInstituteForSowaRigpa ResearchOfficer-Incharge <nrisr-leh@gov.in>, Secretary Tribal Affairs

<secy-tribal@nic.in>,
smpborissa@gmail.com

Cc : Prof. Dr. Mahesh Kumar Dadhich <ceo-nmpb@nic.in>, Dy. CEO NMPB Mo AYUSH <dyceo-nmpb@nic.in>, Murugeswaran R <dr.murugesw.nmpb@gov.in>, admn nmpb <admn.nmpb@gmail.com>, Mahipal <mahipal.27@gov.in>, Mamta Yadav <mamtayadav.edu@nic.in>, Himanshu Dwivedi <rd-nmpb@govcontractor.in>, SAURABH SHARMA <saurabh.nmpb@gov.in>, kavita tyagi <kavita.tyagi@nic.in>

Most urgent Parliament Starred Question

Sir/Madam,

Please find enclosed **Lok Sabha Starred Qestion no. 165 for 02/08/2024 regarding 'AYUSH Research in Ayurveda college'**. It is requested that the **part-wise information and supplementary note** of the above said question may kindly be furnished to the undersigned in hard as well as soft copy in MSWORD format (Email: dr.bidhan@gov.in / rd-nmpb@govcontractor.in) latest by **29/07/2024 (FN) positively**.

From: "Dr.Bidhan Mahajon" <dr.bidhan@gov.in>

To: "Dr(Mr) Himanshu Pathak" <dg.icar@nic.in>, "Ashwani Kumar" <jsadmn-agri@gov.in>, "Chandra Prakash Goyal" <cpgoyal@nic.in>, "Director General CSIR" <dg@csir.res.in>, "Director General CSIR" <dgcslr@csir.res.in>, "Secretary DSIR" <secy-dsir@gov.in>, "DG ICMR" <secy-dg@icmr.gov.in>, "Rabinarayan Acharya" <dg-ccras@nic.in>, ccrhindia@gmail.com, unanimedicine@gmail.com, ccrschennai@gmail.com, "icmrhqds" <icmrhqds@sansad.nic.in>, "Ms Leena Nandan" <secy-moef@nic.in>, "Itakpa jigmet" <Itakpa.jigmet@gov.in>, "DBT Bioresource PD" <bioresource-dbt@dbt.nic.in>, "Parliament Cell" <parl@csir.res.in>, ccrh@del3.vsnl.net.in, ccrhpq@gmail.com, "manish das" <manish.das@icar.gov.in>, "Manoj Bapna" <manojb12365-cgo@gov.in>, "Renu sharma" <renu.sharma16@gov.in>, "parliamentreply ccras" <parliamentreply.ccras@gmail.com>, "A Dhanalakshmi" <a.dhanalakshmi@nic.in>, ncifmpasighat@gmail.com, "Technical Section BSI" <tech@bsi.gov.in>, secretary@ncismindia.org, "NationalResearchInstituteForSowaRigpa ResearchOfficer-Incharge" <nrisr-leh@gov.in>, "ssnaye ri" <ssnaye.ri@gmail.com>

Cc: "Prof. Dr. Mahesh Kumar Dadhich" <ceo-nmpb@nic.in>, "Dy. CEO NMPB Mo AYUSH" <dyceo-nmpb@nic.in>, "Murugeswaran R" <dr.murugesw.nmpb@gov.in>, "admn nmpb" <admn.nmpb@gmail.com>, "Mahipal" <mahipal.27@gov.in>, "Mamta Yadav" <mamtayadav.edu@nic.in>, "Himanshu Dwivedi" <rd-nmpb@govcontractor.in>, "SAURABH SHARMA" <saurabh.nmpb@gov.in>,

"kavita tyagi" <kavita.tyagi@nic.in>

Sent: Friday, July 26, 2024 11:25:55 AM

Subject: Re: Lok Sabha Starred Diary No. 3681 for 02/08/2024 regarding 'AYUSH Research in Ayurveda college'-reg.

Gentle reminder most urgent Parliament Starred Question

From: "Dr.Bidhan Mahajon" <dr.bidhan@gov.in>

To: "Dr(Mr) Himanshu Pathak" <dg.icar@nic.in>, "Ashwani Kumar" <jsadmn-agri@gov.in>, "Chandra Prakash Goyal" <cpgoyal@nic.in>, "Director General CSIR" <dg@csir.res.in>, "Director General CSIR" <dgc sir@csir.res.in>, "Secretary DSIR" <secy-dsir@gov.in>, "DG ICMR" <secy-dg@icmr.gov.in>, "Rabinarayan Acharya" <dg-ccras@nic.in>, ccrhindia@gmail.com, unanimedicine@gmail.com, ccrschennai@gmail.com, "icmrhqds" <icmrhqds@sansad.nic.in>, "Ms Leena Nandan" <secy-moef@nic.in>, "Itakpa jigmet" <Itakpa.jigmet@gov.in>, "DBT Bioresource PD" <bioresource-dbt@dbt.nic.in>, "Parliament Cell" <parl@csir.res.in>, ccrh@del3.vsnl.net.in, ccrhpq@gmail.com, "manish das" <manish.das@icar.gov.in>, "Manoj Bapna" <manojb12365-cgo@gov.in>, "Renu sharma" <renu.sharma16@gov.in>, "parliamentreply ccras"

<parliamentreply.ccras@gmail.com>, "A Dhanalakshmi" <a.dhanalakshmi@nic.in>, neifmpasighat@gmail.com, "Technical Section BSI" <tech@bsi.gov.in>, secretary@ncismindia.org, "NationalResearchInstituteforSowaRigpa ResearchOfficer-Incharge" <nrisr-leh@gov.in>, "ssnaysc ri" <ssnaysc.ri@gmail.com>

Cc: "Prof. Dr. Mahesh Kumar Dadhich" <ceo-nmpb@nic.in>, "Dy. CEO NMPB Mo AYUSH" <dyceo-nmpb@nic.in>, "Murugeswaran R" <dr.murugesw.nmpb@gov.in>, "admn nmpb" <admn.nmpb@gmail.com>, "Mahipal" <mahipal.27@gov.in>, "Mamta Yadav" <mamtayadav.edu@nic.in>, "Himanshu Dwivedi" <rd-nmpb@govcontractor.in>, "SAURABH SHARMA" <saurabh.nmpb@gov.in>, "kavita tyagi" <kavita.tyagi@nic.in>

Sent: Thursday, July 25, 2024 3:08:59 PM

Subject: Lok Sabha Starred Diary No. 3681 for 02/08/2024 regarding 'AYUSH Research in Ayurveda college'-reg.

Most urgent Parliament Starred Question

Sir/Madam,

Please find enclosed **Lok Sabha Starred Diary No. 3681 for 02/08/2024 regarding 'AYUSH Research in Ayurveda college'**. It is requested that the **part-wise information and supplementary note** of the above said question may kindly be furnished to the undersigned in hard as well as soft copy in MSWORD format (Email: dr.bidhan@gov.in / rd-nmpb@govcontractor.in) latest by **26/07/2024 (FN) positively**.

With Sincere Regards
Dr. Bidhan Mahajon, MD (Ay), Ph.D.
Research Officer (Ayurveda)
National Medicinal Plants Board (NMPB)
Ministry of Ayush
Government of India
Indian Red Cross Society (IRCS)
Annexe Building, 1st & 2nd floor, 1 Red Cross Road, New Delhi-110001



--
With Sincere Regards
Dr. Bidhan Mahajon, MD (Ay), Ph.D.
Research Officer (Ayurveda)
National Medicinal Plants Board (NMPB)
Ministry of Ayush
Government of India
Indian Red Cross Society (IRCS)
Annexe Building, 1st & 2nd floor, 1 Red Cross Road, New Delhi-110001

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726 KB

— **165 starred_copy.pdf**
873 KB

H-11016/01/2024-25-NMPB-IV
Ministry of AYUSH
National Medicinal Plant Board

1st Floor, IRCS, Annexe Building,
Near Indian Red Cross Society,
Red Cross Road, New Delhi-110001
Date: - 29/07/2024

OFFICE MEMORANDUM

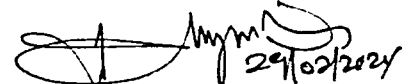
Subject: Lok Sabha Admitted Starred Question No. *165 for 02/08/2024 regarding 'AYUSH Research in Ayurveda College' asked by Shri Pradeep Purohit.

The undersigned is directed to refer to the above said Lok Sabha Question as reproduced hereunder:

Will the Minister of Ayush be pleased to state:

- (a) whether the Government is aware that as per botanical survey, there are more than 2200 medicinal plants in the Gandhamardan mountain in the district of Bargarh in Odisha;
- (b) if so, the details of thereof;
- (c) whether it is a fact that Ayurvedic college situated in Nrusinghnath in this area is playing a vital role in research work of these medicinal plants;
- (d) if so, the details thereof;
- (e) whether the Government has any plan to take over this college; and
- (f) if so, the details thereof and if not, the reasons therefor?

2. It is requested that the part-wise information of the above said question and the supplementary note may kindly be furnished to the undersigned in hard as well as soft copy in MSWORD format alongwith (Email: dr.bidhan@gov.in / rd-nmpb@govcontractor.in) latest by *today - 29/07/2024* (AN) positively. This may be treated as **MOST URGENT**.


(Dr. R. Murugeswaran)
Deputy Adviser (MPs)

To,

1. Secretary (DARE) & Directory General (ICAR), Krishi Bhawan, New Delhi - 110001.
(Tel: 01123382629), 23386711: Email: dg.icar@nic.in
2. Secretary (EF&CC), Ministry of Environment, Forest and Climate Change, Indira Paryavaran Bhawan, Jorbagh Road New Delhi - 110003, Email: secy-moef@nic.in, Itakpa.jigmet@gov.in
3. Joint Secretary, Department of Science & Technology, Technology Bhawan, New Mehrauli Road, New Delhi - 110016 (Tel: 011-26516077), Email: anju_bhalla@nic.in
4. Joint Secretary (Parliament), Ministry of Agriculture & Farmers Welfare, Krishi Bhawan, Dr. Rajendra Prasad Road, New Delhi - 110001 (Tel: 011-23385595, Email: sthakur@nic.in)

5. Joint Secretary, Department of Bio-technology, CGO Complex, Lodhi Road, New Delhi-110003 (Tel: 011-24362982, Email: cpgoyal@nic.in)
6. Director General, CSIR, Anusandhan Bhawan, 2 Rafi Ahmed Kidwai Marg, New Delhi – 110001 (Tel: 011-23710472, 23717053, Email: dg@csir.res.in, dgsir@csir.res.in, secy-dsir@gov.in, parl@csir.res.in)
7. Director General, Indian Council of Medical Research (ICMR), V. Ramalingaswami Bhawan, P.O. Box No. 4911, Ansari Nagar, New Delhi – 110029, India (Tel: 011-26588204, Email: secy-dg@icmr.gov.in) icmrhqds@sansad.nic.in
8. Director General, Central Council for Research and Ayurvedic Sciences (CCRAS), 61-65, Institutional Area, Opp. D. Block, Janakpuri, New Delhi – 110058.
9. Director General, Central Council for Research in Unani Medicine, 61-65, Institutional Area, Opp. D. Block, Janakpuri, New Delhi – 110058.
10. Director General, Central Council for Research in Homeopathy, 61-65, Institutional Area, Opp. D. Block, Janakpuri, New Delhi – 110058.
11. Central Council for Research in Siddha, Tambaram Sanatorium, GST Road, Chennai – 600 047, India, Email: ccrschennai@gmail.com
12. Director, Botanical Survey of India CGO Complex, 3rd MSO Building, Block F (5th and 6th Floor), DF Block, Sector I, Salt Lake City, Kolkata - 700 064, hq@bsi.gov.in
13. Director, National Research Institute of Sowa-region, Ladakh – drgurmet@rediffmail.com
14. The North Eastern Institute of Ayurveda & Folk Medicine Research (NEIAFMR), neifmpasighat@gmail.com
15. Secretary, Ministry of Tribal Affairs, Rajendra Prasad Road, Shastri Bhawan, New Delhi-110001, secy-tribal@nic.in
16. All SMPB/RCFCs

Ayushman Bharat Health Accounts

*163 Shri Prabhakar Reddy Vemireddy:

Will the Minister of HEALTH AND FAMILY WELFARE

स्वास्थ्य और परिवार कल्याण मंत्री

be pleased to state:

(a) whether more than four crore Ayushman Bharat Health Accounts have been created in Andhra Pradesh upto July, 2024 and if so, the details thereof;

(b) whether only 17.7 lakh accounts have been created in Nellore district of Andhra Pradesh and if so, the details thereof;

(c) whether any assessment has been made for full coverage under the said scheme in Nellore; and

(d) if so, the details thereof along with the target date for full coverage of Nellore under Ayushman Bharat?

Medical Facilities at AIIMS

*164 Dr. Shrikant Eknath Shinde:
Shri Haribhai Patel:

Will the Minister of HEALTH AND FAMILY WELFARE

स्वास्थ्य और परिवार कल्याण मंत्री

be pleased to state:

(a) the total number of proposed All India Institutes of Medical Sciences (AIIMS) in terms of operational capacity and services to be offered across the country, State-wise and district-wise;

(b) the details about medical facilities/specialties made available at these AIIMS, along with the data on patient inflow and treatment outcomes;

(c) the amount of budget allocated/utilized for the development and modernization of AIIMS during the last three years; and

(d) the details of the impact of AIIMS on improving healthcare accessibility/quality in their respective regions as per the relevant data, State-wise?

AYUSH Research in Ayurveda College

*165 Shri Pradeep Purohit:

Will the Minister of AYUSH

आयुष मंत्री

be pleased to state:

(a) whether the Government is aware that as per botanical survey, there are more than 2200 medicinal plants in the Gandhamardan mountain in the district of Bargarh in Odisha;

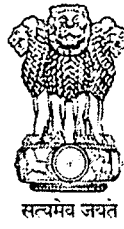
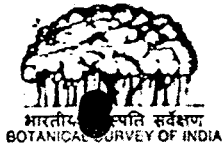
(b) if so, the details thereof;

(c) whether it is a fact that Ayurvedic college situated in Nrusinghnath in this area is playing a vital role in research work of these medicinal plants;

(d) if so, the details thereof;

(e) whether the Government has any plan to take over this college; and

(f) if so, the details thereof and if not, the reasons therefor?



भारत सरकार
GOVERNMENT OF INDIA
पर्यावरण, वन एवं जलवायु परिवर्तन मंत्रालय
MINISTRY OF ENVIRONMENT, FOREST & CLIMATE CHANGE

भारतीय वनस्पति सर्वेक्षण / BOTANICAL SURVEY OF INDIA
सी.जी.ओ. कॉम्प्लेक्स / CGO COMPLEX
तृतीय एम. एस. ओ. भवन / 3RD MSO BUILDING
पाँचवाँ और छठा तल / 5TH & 6TH FLOOR
डी एफ ब्लॉक, सेक्टर 1 / DF BLOCK, SECTOR I
साल्टलेक, कोलकाता-६४ / SALT LAKE, KOLKATA - 700064
Tel.: (033) 2321 4050 [Tech. Section] ; E-mail: tech@bsi.gov.in

फाइल संख्या/ File No.: BSI- 286/1 (Parl.) / 2023 -Tech.

दिनांक/Date : 28 November, 2023

सेवा में / To

The Secretary
Ministry of Environment, Forest and Climate Change
Indira Paryavaran Bhawan, Jor Bagh Road
New Delhi - 110003

(Kind attention: Dr. A. N. Shukla, Scientist-E, CS-III, Biodiversity Division, MoEF&CC)

Subject: Unstarred Lok Sabha question (Diary No. 275) on Bio-diversity Funds due for an answer on 04.12.2023 - reg.

महोदया / Madam,

With reference to your email, dated 20th November, 2023 regarding the Unstarred Lok Sabha question on Bio-diversity Funds due for an answer on 04.12.2023, I am directed to furnish herewith the the following information for your kind perusal and necessary action as follows:

(a) whether Bio-diversity funds meant for improving ecosystem and conservation are spent annually according to the target fixed or any shortfall experienced;

Answer: This question does not fall directly under the purview of BSI.

(b) if so, the details thereof;

Answer: Not Applicable

(c) whether there is any comprehensive estimate of total public funding in the country, if so, the details;

Answer: This question does not pertain to BSI.

(d) whether any study taken to avoid overlapping functions in view of multiple institutions are involved in operating finance; and

Answer: This question does not pertain to BSI.

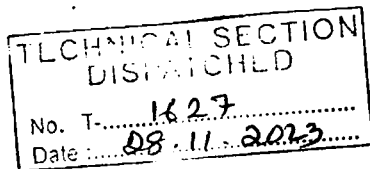
(e) if so, the details thereof?

Answer: This question does not pertain to BSI.

This issues with the approval of Director, Botanical Survey of India.

सधन्यवाद/ Thanking you,

भवदीय/Yours sincerely

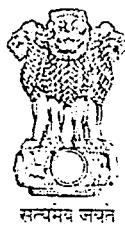


(एस. एस. दाश / S. S. Dash)

वैज्ञानिक एफ / Scientist 'F'

(प्रभारी, तकनीकी अनुभाग / In-charge, Tech. Section)

- Grant from Unisource Commission
- CAMPA Funds
- CSR sector
- CSS Funds.



भारत सरकार
GOVERNMENT OF INDIA
पर्यावरण, वन एवं जलवायु परिवर्तन मंत्रालय
MINISTRY OF ENVIRONMENT, FOREST & CLIMATE CHANGE

भारतीय वनस्पति सर्वेक्षण / BOTANICAL SURVEY OF INDIA
सी.जी.ओ. कॉम्प्लेक्स / CGO COMPLEX
तृतीय एम. एस. ओ. भवन / 3RD MSO BUILDING
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डी एफ ब्लॉक, सेक्टर १ / DF BLOCK, SECTOR 1
साल्टलेक, कोलकाता-६४ / SALT LAKE, KOLKATA - 700064
Tel.: (033) 2321 4050 [Tech. Section] ; E-mail: tech@bsi.gov.in

फाइल संख्या/ File No.: BSI- 286/1 (Parl.) / 2023 -Tech. /1627

दिनांक/Date : 28th November, 2023

सेवा में / To

The Secretary
Ministry of Environment, Forest and Climate Change
Indira Paryavaran Bhawan, Jor Bagh Road
New Delhi - 110003

(Kind attention: Dr. A. N. Shukla, Scientist-E, CS-III, Biodiversity Division, MoEF&CC)

Subject: Unstarred Lok Sabha question (Diary No. 275) on Bio-diversity Funds due for an answer on 04.12.2023 - reg.

महोदया / Madam,

With reference to your email, dated 20th November, 2023 regarding the Unstarred Lok Sabha question on Bio-diversity Funds due for an answer on 04.12.2023, I am directed to furnish herewith the the following information for your kind perusal and necessary action as follows:

(a) whether Bio-diversity funds meant for improving ecosystem and conservation are spent annually according to the target fixed or any shortfall experienced;

Answer: This question does not fall directly under the purview of BSI.

(b) if so, the details thereof;

Answer: Not Applicable

(c) whether there is any comprehensive estimate of total public funding in the country, if so, the details;

Answer: This question does not pertain to BSI.

(d) whether any study taken to avoid overlapping functions in view of multiple institutions are involved in operating finance; and

Answer: This question does not pertain to BSI.

(e) if so, the details thereof?

Answer: This question does not pertain to BSI.

This issues with the approval of Director, Botanical Survey of India.

सधन्यवाद/ Thanking you,

भवदीय/Yours sincerely

(एस. एस. दार्श / S. S. Dash)

वैज्ञानिक एफ / Scientist 'F'

(प्रभारी, तकनीकी अनुभाग / In-charge, Tech. Section)

Email

Technical Section BSI

**Re: Unstarred Lok Sabha Question on Bio-diversity Funds**

From : Technical Section BSI <tech@bsi.gov.in>
Subject : Re: Unstarred Lok Sabha Question on Bio-diversity Funds

Tue, Nov 28, 2023 04:24 PM

1 attachment

To : Achuta Nand Shukla <achuta.shukla@gov.in>
Cc : Ashiho Asosii <aamao@bsi.gov.in>, Dr Sudhansu Sekhar Dash <ssdash@bsi.gov.in>, Umeshkumar L. Tiwari <ukltiwari@bsi.gov.in>

Sir,

In reference to the above subject, please see the attached file containing the reply from BSI on Lok Sabha Starred/Unstarred diary No. 275 - 'Bio-diversity Funds' to be answered on 04.12.2023.

Thanking You

Technical Section**Botanical Survey of India, HQ****Salt Lake City, Kolkata - 700 064**Emails: tech@bsi.gov.in ; tech.bsi2021@gmail.com

From: "Achuta Nand Shukla" <achuta.shukla@gov.in>
To: "Dr. B Balaji" <secretary@nba.nic.in>, "Director General CSIR" <dgcsir@csir.res.in>, dg@icfre.org, "SECRETARY DST" <dstsec@nic.in>, "Dr Rajesh S Gokhale" <secy@dbt.nic.in>, "Subhash Chandra" <subhash.chandra65@gov.in>, "Dr. Sanjay Kumar Shukla" <igf.naeb@nic.in>, "Rakesh Kumar JAGENIA" <digwl-mefcc@gov.in>, wii@wii.gov.in, "director nbpgr" <director.nbpgr@icar.gov.in>, "Technical Section BSI" <tech@bsi.gov.in>, "Ashiho Asosii Mao" <hq@bsi.gov.in>, "Technical Section ZSI HQ, Kolkata" <technical@zsi.gov.in>, "DHRITI BANERJEE" <director@zsi.gov.in>, "Director" <psdir@gbpihed.nic.in>, "bharat w singh" <w.bharat@nic.in>
Cc: "RAGHU KUMAR KODALI" <kodali.rk@gov.in>, "Vibhuti Panjiyar" <vibhuti.panjiyar@nic.in>, "Kunal Singh" <kunal.singh@gov.in>, "kaveri choudhary" <kaveri.choudhary@gov.in>, "Shivani Gupta" <gupta.shivani@govcontractor.in>
Sent: Thursday, November 23, 2023 4:03:41 PM
Subject: Re: Unstarred Lok Sabha Question on Bio-diversity Funds

Reminder!!

Dear Sir/Madam,

Please find attached the provisionally admitted Unstarred Lok Sabha question on Bio-diversity Funds due for an answer on 04.12.2023.

The text of the question can be read as below:

Bio-diversity Funds

Email

Technical Section BSI

Unstarred Lok Sabha Question on Bio-diversity Funds

From : Achuta Nand Shukla <achuta.shukla@gov.in>
Subject : Unstarred Lok Sabha Question on Bio-diversity Funds

Mon, Nov 20, 2023 05:12 PM

1 attachment

To : Dr. B Balaji <secretary@nba.nic.in>, Director General CSIR <dgcsir@csir.res.in>, dg@icfre.org, SECRETARY DST <dstsec@nic.in>, Dr Rajesh S Gokhale <secy@dbt.nic.in>, Subhash Chandra <subhash.chandra65@gov.in>, Dr. Sanjay Kumar Shukla <igf.naeb@nic.in>, Rakesh Kumar JAGENIA <digwl-mefcc@gov.in>, wii@wii.gov.in, director nbpgr <director.nbpgr@icar.gov.in>, Technical Section BSI <tech@bsi.gov.in>, Ashiho Asosii Mao <hq@bsi.gov.in>, Technical Section ZSI HQ, Kolkata <technical@zsi.gov.in>, DHRITI BANERJEE <director@zsi.gov.in>, Director <psdir@gbpihed.nic.in>, bharat w singh <w.bharat@nic.in>

Cc : RAGHU KUMAR KODALI <kodali.rk@gov.in>, Vibhuti Panjiyar <vibhuti.panjiyar@nic.in>, Kunal Singh <kunal.singh@gov.in>, kaveri choudhary <kaveri.choudhary@gov.in>, Shivani Gupta <gupta.shivani@govcontractor.in>

Dr. Subhash Chandra / Dr. Umesh
 21/11/2023

Dear Sir/Madam,

Please find attached the provisionally admitted Unstarred Lok Sabha question on Bio-diversity Funds due for an answer on 04.12.2023.

The text of the question can be read as below:

Bio-diversity Funds

Will the Minister of ENVIRONMENT, FOREST AND CLIMATE CHANGE

- whether Bio-diversity funds meant for improving ecosystem and conservation are spent annually according to the target fixed or any shortfall experienced;
- if so, the details thereof;
- whether there is any comprehensive estimate of total public funding in the country, if so, the details;
- whether any study taken to avoid overlapping functions in view of multiple institutions are involved in operating finance; and
- if so, the details thereof?

In the above context, you are kindly requested to provide the information at the earliest.

--
 With regards

A. N. Shukla

TECHNICAL SECTION, OFFICE OF DIRECTOR, BSI,	
Dy. No.	T-846
Date	21.11.2023

Scientist 'E'
CS -III (Biodiversity) Division
Ministry of Environment, Forest and Climate Change
Indira Paryavaran Bhawan, Jor Bagh Road
New Delhi-110003



संयुक्त कुटुम्बकम्
ONE EARTH • ONE FAMILY • ONE FUTURE

— Question Unstarred No 275 Bio-diversity Funds.pdf
214 KB

Email

Technical Section BSI

Unstarred Lok Sabha Question on Bio-diversity Funds

From : Achuta Nand Shukla <achuta.shukla@gov.in>
Subject : Unstarred Lok Sabha Question on Bio-diversity Funds

Mon, Nov 20, 2023 05:12 PM

1 attachment

To : Dr. B Balaji <secretary@nba.nic.in>, Director General CSIR <dgcsir@csir.res.in>, dg@icfre.org, SECRETARY DST <dstsec@nic.in>, Dr Rajesh S Gokhale <secy@dbt.nic.in>, Subhash Chandra <subhash.chandra65@gov.in>, Dr. Sanjay Kumar Shukla <igf.naeb@nic.in>, Rakesh Kumar JAGENIA <digwl-mefcc@gov.in>, wii@wii.gov.in, director nbpgr <director.nbpgr@icar.gov.in>, Technical Section BSI <tech@bsi.gov.in>, Ashiho Asosii Mao <hq@bsi.gov.in>, Technical Section ZSI HQ, Kolkata <technical@zsi.gov.in>, DHRITI BANERJEE <director@zsi.gov.in>, Director <psdir@gbpihed.nic.in>, bharat w singh <w.bharat@nic.in>

Cc : RAGHU KUMAR KODALI <kodali.rk@gov.in>, Vibhuti Panjiyar <vibhuti.panjiyar@nic.in>, Kunal Singh <kunal.singh@gov.in>, kaveri choudhary <kaveri.choudhary@gov.in>, Shivani Gupta <gupta.shivani@govcontractor.in>

*Dr. Sanjay Kumar Shukla
23/11/23*

Dear Sir/Madam,

Please find attached the provisionally admitted Unstarred Lok Sabha question on Bio-diversity Funds due for an answer on 04.12.2023.

The text of the question can be read as below:

Bio-diversity Funds

Will the Minister of ENVIRONMENT, FOREST AND CLIMATE CHANGE

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- (c) whether there is any comprehensive estimate of total public funding in the country, if so, the details;
- (d) whether any study taken to avoid overlapping functions in view of multiple institutions are involved in operating finance; and
- (e) if so, the details thereof?

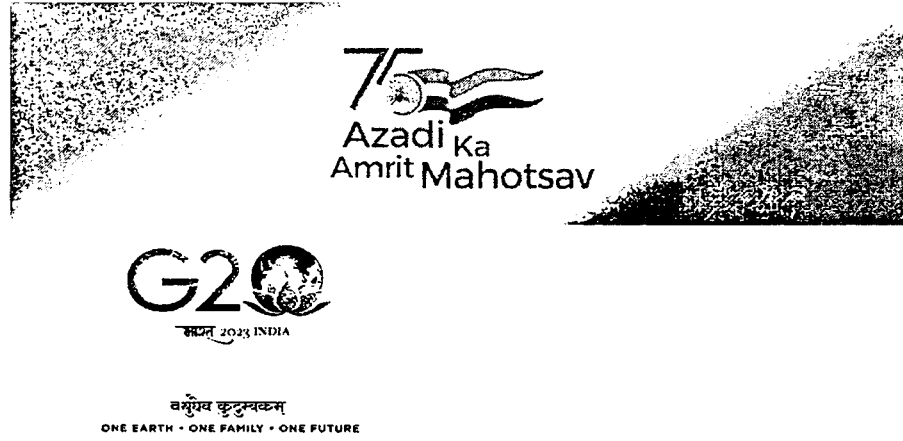
In the above context, you are kindly requested to provide the information at the earliest.

--

With regards

A. N. Shukla

Scientist 'E'
CS -III (Biodiversity) Division
Ministry of Environment, Forest and Climate Change
Indira Paryavaran Bhawan, Jor Bagh Road
New Delhi-110003



 **Question Unstarred No 275 Bio-diversity Funds.pdf**
214 KB

Question : Unstarred: Diary No : 275: Answer Date: 04/12/2023

From : Question Branch A <qbra-lss@sansad.nic.in>

Sat, Nov 18, 2023 03:38 PM

Subject : Question : Unstarred: Diary No : 275: Answer Date:
04/12/2023

To : Parliament Section <parlsec-mef@nic.in>

LOK SABHA

D.No 275

Ministry to which the day has been allotted : ENVIRONMENT, FOREST AND
CLIMATE CHANGE

Sitting on the : 04/12/2023

Bio-diversity Funds

Will the Minister of ENVIRONMENT, FOREST AND CLIMATE CHANGE

- (a) whether Bio-diversity funds meant for improving ecosystem and conservation are spent annually according to the target fixed or any shortfall experienced;
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- (d) whether any study taken to avoid overlapping functions in view of multiple institutions are involved in operating finance; and
- (e) if so, the details thereof?

2/23/Pan
20/11/23

Sanjay Kumar
20/11/23
US (Paul)

Advisor (R.KK)

Reena
20/11/2023

AD(ANS)



Question : Unstarred: Diary No : 275: Answer Date: 04/12/2023

From : Question Branch A <qbra-lss@sansad.nic.in>

Sat, Nov 18, 2023 03:38 PM

Subject : Question : Unstarred: Diary No : 275: Answer Date:
04/12/2023

To : Parliament Section <parlsec-mef@nic.in>

LOK SABHA

Dr. Sabapathy

21/11/23

D.No 275

Ministry to which the day has been allotted : ENVIRONMENT, FOREST AND
CLIMATE CHANGE

Sitting on the : 04/12/2023

Bio-diversity Funds

Will the Minister of ENVIRONMENT, FOREST AND CLIMATE CHANGE

- (a) whether Bio-diversity funds meant for improving ecosystem and conservation are spent annually according to the target fixed or any shortfall experienced;
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2/23/Pan
20/11/23

Sanjay Kumar
20/11/23
US (Panel)

Advisor (R.KK)

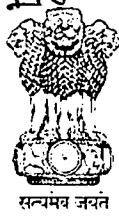
Reena
20/11/2023

AD(ANS)

TECHNICAL SECTION, OFFICE OF DIRECTOR, BSI,	
Dy. No.	T-847
Date	21.11.2023



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स्पीड पोस्ट / SPEED POST



भारत सरकार
GOVERNMENT OF INDIA
पर्यावरण, वन एवं जलवायु परिवर्तन मंत्रालय
MINISTRY OF ENVIRONMENT, FOREST & CLIMATE CHANGE

भारतीय वनस्पति सर्वेक्षण / BOTANICAL SURVEY OF INDIA
सी.जी.ओ. कॉम्प्लेक्स / CGO COMPLEX
तृतीय एम. एस. ओ. भवन / 3RD MSO BUILDING
पाँचवाँ और छठा तल / 5TH & 6TH FLOOR
डी एफ ब्लॉक, सेक्टर 1 / DF BLOCK, SECTOR I
साल्टलेक, कोलकाता-६४ / SALT LAKE, KOLKATA - 700064
Tel.: (033) 2321 4050 [Tech. Section] ; E-mail: tech@bsi.gov.in

फाइल संख्या/ File No.: BSI-286/1 (Parl.) / 2021 -Tech.

दिनांक/Date : 20th July, 2023

सेवा में / To

The Secretary
Ministry of Environment, Forest and Climate Change
Indira Paryavaran Bhawan, Jor Bagh Road
New Delhi - 110003

(Kind attention: Ms. Geeta Bhatnagar, Under Secretary, MoEF&CC, New Delhi)

विषय/Sub : Lok Sabha Starred/Unstarred Diary No. 4187 on Biological Diversity Act, 2002- reg
संदर्भ/ Ref : Lok Sabha Starred/Unstarred Diary No. 4187 on Biological Diversity Act, 2002 for
answer on 31.07.2023

महोदया / Madam,

With reference to your email dated 18.07.2023 in connection to the Starred / Unstarred Diary No. 4187 on Biological Diversity Act, 2002 for answer on 31.07.2023, I am directed to furnish herewith the following information for your kind perusal and necessary action as follows:

(a) Whether the Government is aware of the loss of biodiversity and extinction of plants and animals are increasing in a big way;

Answer: Yes, the Government of India is aware of the loss of Biodiversity of plants.

(b) The steps proposes by the Government to address the issue;

Answer: The Government of India has taken several steps to conserve biodiversity and prevent the extinction of plants and animals. Some of these steps include:

1. The enactment of the Biological Diversity Act, 2002, which provides a legal framework for the conservation of biological diversity.
2. The enactment of Biological Diversity Rules 2004, protects India's rich biological diversity and ensuring that the benefits arising from its utilization are shared in an equitable manner.
3. The establishment of the National Biodiversity Authority, State Biodiversity Boards, and Biodiversity Management Committees at the local level to regulate access to biological resources, promote conservation, and ensure sustainable use.
4. The creation of a People's Biodiversity Register to document the biological resources available in an area and associated traditional knowledge.
5. The creation of protected areas such as national parks, wildlife sanctuaries, and biosphere reserves in different phytogeography regions which provide a safe haven for endangered species and their habitats.
6. The launch of several conservation programs such as Project Tiger, Project Elephant, and the National Mission for Clean Ganga, which aim to protect and conserve specific species and their habitats.

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7. The implementation of the National Action Plan on Climate Change, which includes measures to conserve biodiversity and enhance ecosystem resilience to the impacts of climate change.
8. The promotion of sustainable agriculture practices, including organic farming and conservation agriculture, which aim to conserve soil health, water resources, and biodiversity.
9. The development of international collaborations and partnerships, such as the Convention on Biological Diversity and the Global Environment Facility, which provide a platform for sharing knowledge and resources on biodiversity conservation.

(c) the details of biodiversity heritage sites have been notified as per Section 37 of the Biological Diversity Act 2002;

Answer: The details of biodiversity heritage sites that have been notified as per Section 37 of the Biological Diversity Act 2002 are given in Annexure - A.

(d) the details of sites which are notified because of the rich wealth of agro-diversity contained therein, as is the case with several pockets in the country;

Answer: The details of the sites which are notified because of the rich wealth of agro-diversity contained therein are tabulated in the column of Annexure - A and self is explanatory.

(e) The details of the plan proposed by the Government for selecting and notifying more such sites to protect India's rich heritage of agro-diversity; and

Answer: Not Applicable to BSI

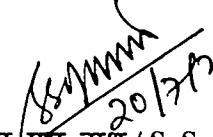
(f) Whether the Government have any schemes running to support farmers who are into seed conservation work and if so, the details thereof and if not the reason therefor?

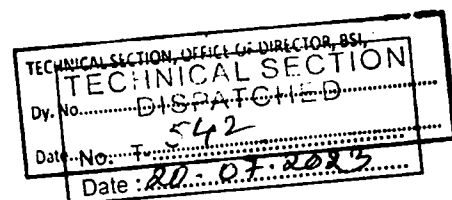
Answer: Not Applicable to BSI

This issues with the approval of Director, Botanical Survey of India.

सधन्यवाद/ Thanking you,

भवदीय/ Yours sincerely


20/07/2023
(एस. एस. दाश / S. S. Dash)
वैज्ञानिक ई/ Scientist 'E'
(प्रभारी, तकनीकीअनुभाग / In-charge, Tech. Section)



Biodiversity Heritage Site

Declared Biodiversity Heritage Sites

Name of the Site	1. Nallur Tamarind Grove
Name of the District	Bengaluru
Area	21.85 ha
Importance of the area / Agro-diversity Wealth	It is popularly believed to be a relic of the Chola Dynasty that ruled nearly 800 years ago, is spectacle of awesome wonder and a freakish site. This BHS spread over 54 acres comprising a population of nearly 300 trees, is a picture of dynamic pattern of plant diversity. The significant component of this popular structure is a group of old plants standing like ageless sentinels, firmly rooted to the ground with their gigantic trunks, along with large picturesque crowns spread very high and aloft like open wings.
Government Notification	Aapaji 154 ENV 2006, B'lore dt.24.01.2007

Name of the Site	2. Hogrekan
Name of the District	Chikmagalur
Gram Panchayat	Balliganuru
Area	1015 ha
Importance of the area / Agro-diversity Wealth	The area has unique Shola vegetation and grass land with number of floral species which are unique and having lot of medicinal value. Hogrekan is moderately wooded land and its vegetation is of dry deciduous type and has a link with Bababudanagiri and Kemmangundi, adjoining Bhadra Wildlife Sanctuary and Yemmedode Tiger Reserve and serving as "Wildlife Corridor" between Kudremukha and Bhadra Wildlife Sanctuary.
Government Notification	ENV 2009 dated 4.9.2010

Name of the Site	3. University of Agricultural Sciences, GKV Campus, Bengaluru
Name of the District	Bengaluru
Area	167 ha
Importance of the area / Agro-diversity Wealth	The GKV campus is considered one of the greenest areas in Bengaluru. Biological diversity of this campus constitutes a critical repository of various forms of flora and fauna (including 13 sp of mammals, 10 sp of reptiles, 165 sp of birds and 530 sp of plants) which needs to be protected nurtured to posterity.
Government Notification	ENV 2009 dated 2.9.2010

Name of the Site	4. Ambaraguda
Name of the District	Shimoga
Area	3857.17 ha
Importance of the area / Agro-diversity Wealth	It is a revenue land located between Sharavathi Wild Life Sanctuary and Someshwara Wildlife Sanctuary. It has Shola vegetation which is primitive vegetation in the Western Ghat and also has grasslands.
Government Notification	2011

Name of the Site	5. Glory of Allapalli
Name of the State	Maharashtra
Name of the District	Gadchiroli
Area	6 ha
Importance of the area / Agro-diversity Wealth	It is a reserved forest being preserved as natural forest having biological, ethinical and historical values.
Government Notification	No.WLP.0914/C.R.317/M-1 dated 15th July 2014

Name of the Site	6. Tonglu BHS
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Name of the State West Bengal
 Name of the District Darjeeling
 Area 230 ha
 Importance of the area / Agro-diversity It is a Medicinal Plant Conservation Areas
 Wealth
 Government Notification No.716-ENT/T-11-7/003-ii/2003

Name of the Site 7. Dhotrey BHS
 Name of the State West Bengal
 Name of the District Darjeeling
 Area 180 ha
 Importance of the area / Agro-diversity It is a Medicinal Plant Conservation Areas
 Wealth
 Government Notification No.716-ENT/T-11-7/003-ii/2003

Name of the Site 8. Dialong Village
 Name of the State Manipur
 Name of the District Tamenglong
 Area 1135 ha

Importance of the area / Agro-diversity This comprises 1135 ha of Longku Forest and another 200 ha watershed areas of Joulangpang-Khoukao waterfalls. The Rongmei tribes of Dailong and other villages of Tamenglong district were conserving forest in the form of sacred groves known as "Raengan", meaning gateway conservation (resting) site of the farmers which is precursor to all conservation activities of these tribes in Tamenglong district. The type of habitats includes Montane Wet Temperate Forest, Tropical Evergreen Forest, and Semi Evergreen Forest and Riparian forest. The area contains more than 159 plant species including 16 species of ethno-medicinal value, used by the local tribes. This includes the globally rare and endemic species of Indian wild orange (*Citrus indica*) and Jewel orchid (*Anoetochilus albolineatus*). A total of 101 avian species including the 2 endemic species: Grey sibia (*Heterophasia gracilis*) and Darjeeling woodpecker (*Dendrocopos darjellensis*), 8 mammalian species, 10 species of snakes have been recorded including rare and endemic Cherrapunji Keelback (*Hebius xenura*).

Government Notification No.24/3/2017-For &ENVT

Name of the Site 9. Ameenpur lake
 Name of the State Telangana
 Name of the District Sangareddy
 Area 229.05 ha

Importance of the area / Agro-diversity It is an urban wetland providing refuge to 8 mammalian species, 170 avifauna (migratory and resident), 46 herpetofauna, 9 varieties of fish, 143 invertebrates and 250 species of rare and common plants.

Government Notification 449/EFS&T (FOR.II) Department

Name of the Site 10. Majuli
 Name of the State Assam
 Name of the District Majuli
 Area 87500 ha

Importance of the area / Agro-diversity Majuli River Island in River Brahmaputra is the largest river island in India. The fertile floodplains and highly productive wetlands support a wide variety of resident and migratory birds. More than 250 species of birds have been recorded. These include the two globally endangered species of vultures (Oriental White-backed Vulture and Slender Billed Vulture), two endangered species (Greater Adjutant and Bengal Florican) and 9 vulnerable species (Spot-billed Pelican, Lesser Adjutant, Baer's Pochard, Pallas's Fish-Eagle, Greater Spotted Eagle, Swamp Francolin, Marsh Babbler, Jerdon's Babbler and Black-breasted Parrotbill). Majuli has been categorized as an Important Bird Area (IBA). It is eminent for its rich ecological and cultural heritage. It is also famous for producing 100 varieties of paddy without application of fertilisers and pesticides.

Government Notification FRW 57/2005/Vol.II/14

Name of the Site 11. Ghariyal Rehabilitation Centre
 Name of the State Uttar Pradesh
 Name of the District Lucknow
 Area 10 ha

Importance of the area / Agro-diversity It is a centre established for conservation and rehabilitation of critically endangered species of Gharial.

Government Notification 1348/XVI-5-2016-15/2016

Name of the Site 12. Chilkgarh Kanak Durga

Name of the State West Bengal

Name of the District Jhargram

Area 22.62 ha

Importance of the area / Agro-diversity Wealth Chilkigarh Kanak Durga Sacred Grove is a remnant forest with traditional beliefs and taboos of local inhabitants and rich in biodiversity covering an area of 55.9 acres in Jhargram District of West Bengal.

Government Notification No. 926/EN/T-II-7/003-II/2003

Name of the Site	13. Khlaw Kur Syiem Kmielng
Name of the State	Meghalaya
Name of the District	Ri-Bhoi
Area	16.05 ha
Importance of the area / Agro-diversity Wealth	It is a mosaic of natural habitats along with significant diversity of life forms. It is also an old Sacred Grove with monoliths and religious spots.
Government Notification	No. FOR.53/2018/59

Name of the Site	14. Mandasaru
Name of the State	Odisha
Name of the District	Kandhamal
Area	528 ha
Importance of the area / Agro-diversity Wealth	Mandasaru gorge is an adobe of 1563 species of plants, animals and fungi spreaded over an area of 528 ha. Out of 41 species of medicinal plants categorized under various threatened categories. Twenty three threatened species of plants, 3 endemics including Lithophytic orchid <i>Cirrhopetalum panigrahanum</i> and one gymnosperm, <i>Cycas orixensis</i> occur in this place. <i>Lasiococca comberi</i> , <i>Saraca asoca</i> , <i>Balanophora polyandra</i> , <i>Polyalthia simiarum</i> , <i>Dimorphocalyx glabellus</i> , <i>Stemona tuberosa</i> , <i>Pueraria tuberosa</i> , <i>Rauvolfia serpentina</i> , <i>Embelia ribes</i> and <i>Gnetum ula</i> are some of the threatened plants of the gorge. The gorge provides congenial habitat for fishing Cats, and Small clawed otters. One of the Eastern Ghats Endemics the Golden Geckos, having a good population inside the gorge. The gorge is also a sacred site for the local communities as they worship and conserve a fern (<i>Patharagirdhini</i> / <i>Drynaria quercifolia</i>) in one of the hill tops.
Government Notification	No..10F(TR)27/20195265/FE

Name of the Site	15. Purvatali Rai
Name of the State	Goa
Name of the District	North Goa
Area	0.73 ha
Importance of the area / Agro-diversity Wealth	Purvatali Rai is a unique combination of eco-theological, socio-ecological and sacred beliefs leading to conservation action even in force as of today in these modern times. The area is unique and has ecologically fragile ecosystems with significant cultural, ethical and aesthetic value, however with long history of human association. This sacred grove has more than hundreds of different floral species with the potentiality of medicinal uses for human as well as other animals. The area has a variety of wild flowers, wild vegetables, orchids, herbal medicines and edible tubers.
Government Notification	No.VPS/BICH/NOC(heritage site)2019-20/1030

Name of the Site	16. Naro Hills
Name of the State	Madhya Pradesh
Name of the District	Satna
Area	200 ha
Importance of the area / Agro-diversity Wealth	Naro Hills is home to various floral and faunal species including animals such as tiger, leopard, wild cat, fox, bear, sambar, <i>neel gai</i> , jackal, langur, monkey, rabbit, peacock, owl; and plants such as <i>flame lily</i> , <i>parijat</i> , <i>kapuri</i> , <i>ratanjot</i> , <i>henna</i> . Naro Hills is part of Vindhya hills region and a dry deciduous forest. The Vindhya region harbours several species of medicinal plants, some of which are threatened. These include <i>Dillenia pentagyna</i> , <i>Plumbago capensis</i> , <i>Psilotum nudum</i> , <i>Drosera burmanii</i> , <i>Alectra chitrakutensis</i> , <i>Cordia macleodii</i> , <i>Costus speciosus</i> , <i>Strychnos nux-vomica</i> , <i>Plumbago zeylancia</i> etc.
Government Notification	NO.r-2325-1335-2017-x-2

Name of the Site	17. Patalkot
Name of the State	Madhya Pradesh
Name of the District	Chhindwara
Area	8367.49 ha
Importance of the area / Agro-diversity Wealth	terrain of 1700 feet deep valley and ecosystem of estimated age of 6 Million years and species of rare flora and fauna including rare Bryophytes and Pteridopytes;

Government Notification	Notification by Government of Madhya Pradesh
Name of the Site	18. Asramam
Name of the State	Kerala
Name of the District	Kollam
Area	57.53 ha
Importance of the area / Agro-diversity Wealth	The BHS hosts a unique diversity of Mangrove species with diverse flora and fauna. The area harbours 15 sp. of true mangroves, 22 sp. of mangroves associated. 122 sp. of plants, 34 sp. of edible fish and about 62 sp. of birds. Most importantly, the site has the rare and endangered heritage trees of <i>Syzygium travancoricum</i> which is listed as critically endangered in IUCN Red List.
Government Notification	Notification by Government of Kerala
Name of the Site	19. Bambarde Myristica Swamps
Name of the State	Maharashtra
Name of the District	Dodamarg
Area	2.59 ha
Importance of the area / Agro-diversity Wealth	These are known to be the remnants of primeval forests of the Western Ghats with a history of over 140 million years. In addition, there are giant climbers, medicinal plants, edible fruits and wild vegetables. The wild gene pool of <i>Myristica fatua</i> (wild nutmeg), an economically important spice, is also preserved here.
Government Notification	Notification by Government of Maharashtra
Name of the Site	20. Ganeshkhind Garden
Name of the State	Maharashtra
Name of the District	Pune
Area	33.01 ha
Importance of the area / Agro-diversity Wealth	The area holds a total of 610 germplasms of 49 crops including high economic value plants. There are number of plant types developed through genetic breeding programme within the garden. The site also has 165 wild plant species including 48 medicinal varieties, rare and endangered plant species. The garden has high density of <i>Swietenia macrophylla</i> (planted in 1874 with seeds obtained from Royal Botanical Garden, UK) and <i>Ficus bengalensis</i> with ideal conditions for their natural regeneration.
Government Notification	Notification by Government of Maharashtra
Name of the Site	21. Landorkhori
Name of the State	Maharashtra
Name of the District	Jalgaon
Area	48.08 ha
Importance of the area / Agro-diversity Wealth	The site is habitat of wild animals & rare species of plants and grass. More than 150 species of birds, 24 species of mammals, have been recorded in this area. The natural plantation of <i>Bori (Zizyphus jujube)</i> tree is unique and survived since old ages.
Government Notification	Notification by Government of Maharashtra
Name of the Site	22. Schistura Hiranyakeshi
Name of the State	Maharashtra
Name of the District	Sindhudurg
Area	2.11 ha
Importance of the area / Agro-diversity Wealth	The fish <i>Schistura hiranyakeshi</i> was spotted for the first time in a pond at the Mahadev Temple at Amboli in Sindhudurg district, Western Ghats. The 2.11 ha area has now been declared as 'Schistura Hiranyakeshi Biological Heritage Site' in April 2021. It has become the 5th such heritage site in the state of Maharashtra. The fish was found by the team led by Tejas Thackeray, a wildlife researcher, and son of Maharashtra CM Uddhav Thackeray.
Government Notification	Notification by Government of Maharashtra
Name of the Site	23. Baneswar Shiva Dighi
Name of the State	West Bengal
Name of the District	Coochbehar-II
Area	0.667 ha
Importance of the area / Agro-diversity Wealth	It offers refuge to Black Softshell Turtle <i>Nilssonina nigricans</i> listed under Appendix I of CITES and extinct in the wild category of IUCN.
Government Notification	Notification by Government of West Bengal
Name of the Site	24. Sacred Grove at Sural Bhatari Monastery

Name of the State	Himachal Pradesh
Name of the District	Chamba
Area	0.60 ha
Importance of the area / Agro-diversity Wealth	A patch of Betula utilis or Bhojpatra trees with some interspersed Willow trees. Dominant shrubs and herbs: Rosa species, Lonicera species, Sorbus species, Agropyron longearistatum, Festuca species, Primula denticulata, Polygonatum verticillatum, Plantago asiatica, Heracleum candicans, Berberis species, Artemisia species, Bunium Persicum etc. Major faunal species, in the surrounding area: Snow Leopard, Brown Bear, Tibetan Wolf, Ibex etc.
Government Notification	Notification by Government of Himachal Pradesh

Name of the Site	25. High Altitude Meadow @ HUDAN BHATORI
Name of the State	Himachal Pradesh
Name of the District	Chamba
Area	8.74 ha
Importance of the area / Agro-diversity Wealth	Coloneaster species, Lonicera species, Sorbus species, Brachypodium sylvaticum, Bromus asper, Festuca species, Poa species, Primula denticulata, Picrorhiza kurroa, Anemone species, Iris species, Artemisia species, Lonicera species, Bunium persicum, Jurinea macrocephala etc. Important floral species recorded in the area: Picrorhiza kurroa, Dactylorhiza haragirea, Aconitum heterophyllum, Podophyllum hexandrum and Saussurea costus (cultivated). Major faunal species, in the region: Snow Leopard, Brown Bear, Black Bear, Tibetan Wolf, Himalayan Marmot, Ibex and Royle's Pika.
Government Notification	Notification by Government of Himachal Pradesh

Name of the Site	26. Birch-pine Forest Patch @ Nain Gahar
Name of the State	Himachal Pradesh
Name of the District	Lahaul & Spiti
Area	12.22 ha
Importance of the area / Agro-diversity Wealth	Main trees are Himalayan Birch (Betula utilis) and Blue Pine (Pinus wallichiana). A few middle aged trees of West Himalayan Spruce (Picea smithiana), Deodar (Cedrus deodara) and Juniper (Juniperus species) are interspersed in the proposed patch. Besides, Willow (Salix species) and Sea Buckthorn (Jlippophae salicifolia) are also present in the site. The proposed site also includes a very good patch of grassy area, which supports a very good population of important medicinal and aromatic plants like Picrorhiza kurroa, Dactylorhiza hacagirea, Aconitum heterophyllum, Podophyllum hexandrum, Aconitum violaceum, Bunium persicum, Hippophae rhamnoides etc.
Government Notification	Notification by Government of Himachal Pradesh

Name of the Site	27. Baramura waterfall
Name of the State	Tripura
Name of the District	Khowai
Area	150 ha
Importance of the area / Agro-diversity Wealth	The highest natural waterfall in Tripura. Critical habitat for rare wildlife. Rich in floristic diversity. Habitat for many stream water favored fauna.
Government Notification	Notification by Government of Tripura

Name of the Site	28. Unakoti
Name of the State	Tripura
Name of the District	Unakoti
Area	40 ha
Importance of the area / Agro-diversity Wealth	Cultural and religious significance, Example of Ethno-religious aspects, Sacred trees and stones, Rich forest flora and fauna, Source of natural stream flow has diverse ecosystem services, Site of semi wild, wild and domesticated ornamental plants.
Government Notification	Notification by Government of Tripura

Name of the Site	29. Silachari Caves
Name of the State	Tripura
Name of the District	Gomati
Area	100 ha
Importance of the area / Agro-diversity Wealth	Only natural cave of Tripura. Unique habitat for several threatened cave bat species in Tripura. Rich floristic diversity. Ethno-religious and cultural significance. Critical habitat for rare wildlife. Stream rich in aquatic fauna. Multi-ecosystem services.
Government Notification	Notification by Government of Tripura

Name of the Site	30. Debbari or Chabimura
------------------	--------------------------

Name of the State	Tripura
Name of the District	Gomati
Area	215 ha
Importance of the area / Agro-diversity Wealth	River forest ecosystems at Debbari with rich fauna and flora. Unique habitat for threatened plants of Tripura like Dhup tree and cane resources of India. Unique breeding habitat for threatened fishes of Tripura. Unique breeding habitat for threatened wildlife of Tripura.
Government Notification	Notification by Government of Tripura

Name of the Site	31. Betlingshib & its surroundings
Name of the State	Tripura
Name of the District	North District
Area	350 ha
Importance of the area / Agro-diversity Wealth	Geographical/ topographical significance: The highest peak of Tripura allows unique habitat ecosystem. Aesthetic value: View of Mizoram and Chittagon hill tracts, other hills of Jampui, orange orchards. Due to change in altitude, topography and climate the vegetation is totally unique compared to the mainland of the state. Biodiversity Significance: Highest floristic diversity in Tripura. Conservation significance: Suitable habitat for several red listed flora and fauna. Medicinal plant conservation area. Cultural significance: Diverse agro-ecosystem model.
Government Notification	Notification by Government of Tripura

Name of the Site	32. Amarkantak
Name of the State	Madhya Pradesh
Name of the District	Anuppur
Area	7681.50 ha
Importance of the area / Agro-diversity Wealth	Site is situated on the Maikal mountain range which links the Vindhya and Satpura mountain ranges, at about 1067 meters above mean sea level. Site has unique terrain of 1700 ft. deep valley and ecosystem of estimated age of 6 Million year and species of rare flora & fauna including rare Bryophytes and Pteridophytes. Site is spread over 8367 .49hectare area. Amarkantak ecological system is the origin of three major rivers which contributes to water security of India, which need to be conserved.
Government Notification	Notification by Government of Madhya Pradesh

Name of the Site	33. Hajong Tortoise Lake
Name of the State	Assam
Name of the District	Dima Hasao
Area	526.78 ha
Importance of the area / Agro-diversity Wealth	This lake is a natural habitat of Critically Endangered freshwater 'Black Softshell turtle' Nilssonina nigricans and Endangered 'Indian Peacock Softshell turtle' Nilssonina hurum besides other major flora and fauna. This site also harbour the threatened species like Critically Endangered Chinese Pangolin (Manis pentadactyla), Vulnerable Clouded Leopard (Neofelis nebulosa), Leopard (Panthera pardus), Asiatic Black Bear (Ursus thibetanus), Fishing Cat (Prionailurus viverrinus), Sambar (Rusa unicolor), Western Hoolock Gibbon (Hoolock hoolock), Capped Langur (Trachypithecus pileatus), Wreathed Hornbill (Rhyticeros undulatus) etc.
Government Notification	Notification by Government of Assam

Name of the Site	34. Borjuli Wild Rice Site
Name of the State	Assam
Name of the District	Sonitpur
Area	0.41 ha
Importance of the area / Agro-diversity Wealth	This BHS has a good population of wild species of rice -Oryza rufipogon. The wetland located at 26.810888 N, 92.623559 E having area of 0.41 ha harbour a viable population of wild rice. This is a unique site due to population richness of this species, but both are vulnerable to climate change and anthropogenic activities. The species (O. rufipogon) possess genes for disease and pest resistance, tolerance to submergence and salinity, thus, important resource in breeding and improvement of rice crop and many of our current varieties derive many genes from this species. Its in-situ conservation for evolutionary process and adaptation to changing climate is important. This will be wealth for posterity not only for India but for the whole world. Oryza rufipogon, the progenitor of present-day cultivated rice, O. sativa, is one of the most studied wild species of rice. It is a perennial plant commonly found in a marsh or aquatic habitats of eastern and southern Asia. O. rufipogon is photosensitive in nature and flowers during short days during the months of November and December. The seeds have a tendency to shatter as soon as they mature. It is tolerant of flooding and acidic soils.
Government Notification	Notification by Government of Assam

Name of the Site	35. Arittapatti
Name of the State	TamilNadu
Name of the District	Madurai

Area	193.215 ha
Importance of the area / Agro-diversity Wealth	This BHS has rich biological and historical significance with the presence of around 250 bird species including 3 flagship Raptor species - Laggar Falcon, Shaheen Falcon, Bonelli's Eagle and wildlife like Indan Pangolin, Python and Slender Loris.
Government Notification	Notification by Government of Tamil Nadu

Name of the Site	36. Mahendragiri hill
Name of the State	Odisha
Name of the District	Gajapati
Area	4250 ha
Importance of the area / Agro-diversity Wealth	Mahendragiri hill is situated at an elevation between 700-1501 m above mean sea level in Gajapati district of Odisha. With increase altitude, the hill complex demonstrates several micro climatic conditions like tropical shola, tropical semievergreen, tropical moist-deciduous & tropical dry deciduous. The diversified vegetation with rich floral diversity representing 40% of the reported flora of Odisha. A total of 1,358 species of plants including 1,042 species of angiosperms under 122 families, 60 species of pteridophytes, 104 species of bryophytes, 53 species of lichens and 72 species of macro-fungi and 2 species of gymnosperms occurring in the hill ecosystem. The ancient temples of Kunti, Shima, Arjuna and Yudhisthir at Mahendragiri have been declared as protected monuments under the Ancient Monument and Archaeological sites and Remains Act 1958 by the State Government. These monuments provide a sacred and holy background for receiving about one lakh devotees annually every year to worship the deities of the hill
Government Notification	Notification by Government of Odisha

Name of the Site	37. State Horticulture Research and Development Station
Name of the State	West Bengal
Name of the District	Nadia
Area	39.61 ha
Importance of the area / Agro-diversity Wealth	Rich Heritage of indigenous germplasm of horticulture and medicinal plants. It provides good habitat for good number of avifauna, butterflies and other insects
Government Notification	Notification by Government of West Bengal

Name of the Site	38. Namthing Pokhari
Name of the State	West Bengal
Name of the District	Darjeeling
Area	4.819 ha
Importance of the area / Agro-diversity Wealth	Habitat for Himalayan Newt, which is an evolutionary significant species originated during the early-middle Miocene and endemic to the Indo-Nepal Himalayan region.
Government Notification	Notification by Government of West Bengal

Name of the Site	39. Char Balidanga
Name of the State	West Bengal
Name of the District	Nadia
Area	46.862
Importance of the area / Agro-diversity Wealth	Habitat of nearly 100 species of avifauna with other Schedule-I fauna like Golden Monitor Lizard, smooth coated Otter, Golden Jackal etc and other rare animals.
Government Notification	Notification by Government of West Bengal

Name of the Site	40. Amkhoi Wood Fossil Park
Name of the State	West Bengal
Name of the District	Birbhum
Area	10 ha
Importance of the area / Agro-diversity Wealth	The site has unique geological and palaeo-botanical features. Well preserved angiosperm wood fossil representing the existence of a forest dating back to the late Jurassic age.
Government Notification	Notification by Government of West Bengal

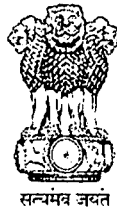
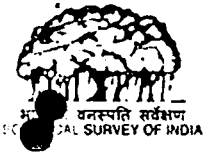
Name of the Site	41. Haldar Char Island
Name of the State	West Bengal
Name of the District	Purba Medinipur
Area	4.73 ha
Importance of the area / Agro-diversity Wealth	The land is a mangrove swamp with tidal influence and sustains littoral fauna. The peripheral part, the land water interface, is populated with <i>Saccharum spontaneum</i> , <i>Phragmites karka</i> , <i>Vetiveria zizanioides</i> , effective in controlling erosion. The char land inside is populated with <i>Avicennia marina</i> , <i>A. officinalis</i> , <i>Sonneratia apetala</i> , .

	<i>Bruguiera gymnorhiza</i> , <i>Aegiceras corniculatum</i> , <i>Excoecaria agallocha</i> and mangrove associates like <i>Derris scandens</i> , <i>Thespesia populnea</i> , <i>Cryptocoryne ciliata</i> , <i>Acanthus ilicifolius</i> , <i>Clerodendron ineme</i> , <i>Dolichos</i> sp. etc. It also has remarkable avifauna including <i>Microcarbo niger</i> , <i>Phalacrocorax fuscicollis</i> , <i>Egretta</i> sp, <i>Nycticorax nycticorax</i> , <i>Ardeola grayii</i> besides the other vertebrates like <i>Varanus bengalensis</i> and <i>Herpestes</i> sp.
Government Notification	Notification by Government of West Bengal

Name of the Site	42. Birampur-Baguran Jalpai
Name of the State	West Bengal
Name of the District	Purba Medinipur
Area	95.91 ha
Importance of the area / Agro-diversity Wealth	Intertidal coastal stretch of nearly 7.3 km provides the habitat of <i>Ocypod macrocera</i> , <i>Dotilla myctiroides</i> , <i>Uca lactea</i> , <i>Varanus</i> sp, <i>Herpestes</i> sp, <i>Canis aureus</i> , <i>Felis chaus</i> and many other varieties.
Government Notification	Notification by Government of West Bengal

Name of the Site	43. Tungkyong Dho
Name of the State	Sikkim
Name of the District	North Sikkim
Area	0.0650 ha
Importance of the area / Agro-diversity Wealth	Tungkyong Dho (Lake) is believed to be one of the oldest natural dho (lake) directly related to the Hee-Youngmingmoo clan of Lepcha community in Dzongu. Dzongu valley is a specially protected area for aboriginal/ indigenous primitive tribes considered to be the original inhabitant of Sikkim called as Lepchas and a very unique cultural and historical significance. The Lepchas, as in other communities have their own share of clan or caste and are nature worshipper and custodians since time immemorial. The Lepchas sanctify this sacred lake yearly through 'MUN PUDIM' and through lama also. The area harbours considerable number of plant species including <i>Acer oblongum</i> , <i>Albizia</i> sp, <i>Alnus nepalensis</i> , <i>Bischofia javanica</i> , <i>Castanopsis tribuloides</i> , <i>Cryptomeria japonica</i> , <i>Duabanga grandiflora</i> , <i>Juglans regia</i> , <i>Macaranga pustulata</i> , and <i>Schima wallichii</i> . Some of the mammals found in the area are Asia black bear, rhesus monkey, porcupine, palm civet, flying squirrel, barking deer, goral, squirrel, yellow-throated marten, jackal, jungle cat, otter, wild-boar, pangolin, etc. It also harbour numerous bird species like black bulbul, black drongo, great barbet, grey treepie, chestnut crowned laughing thrush, common kestrel, blue whistling thrush, serpent eagle, long-tailed minivet, oriental magpie, oriental turtle dove, white crested laughing thrush, etc.
Government Notification	Notification by Government of Sikkim

Name of the Site	44. Gandhamardan Hill
Name of the State	Odisha
Name of the District	Bolangir and Bargarh
Area	18,963.898 ha
Importance of the area / Agro-diversity Wealth	Treasure trove of medicinal plants comprising 1055 floral species including 849 angiosperms, 56 pteridophytes, 40 bryophytes, 45 lichens, 2 angiosperms and 63 macrofungi. The Faunal diversity of 500 species includes 43 mammals, 161 birds, 16 amphibians, 118 butterflies, 27 dragonflies, 7 damselflies and 83 spiders. Two endemic species, a plant, <i>Ficus conccina</i> var. <i>dasycarpa</i> and a spider, <i>Peucetia harishankarensis</i> are endemic to this hill. Two historical monuments, Nrusinghanath and Harishankar temples located in the Northern and Southern slopes respectively in the foothills have immense cultural significance. These are two major pilgrimage sites of Odisha. Moreover, famous traveller, Hiuen Tsang described this hill shrine as a Buddhist Heritage Site, "Parimalagiri". The site has its socio-economic, ecological and biological significance and long history of human association.
Government Notification	Notification by Government of Odisha



भारत सरकार
GOVERNMENT OF INDIA
पर्यावरण, वन एवं जलवायु परिवर्तन मंत्रालय
MINISTRY OF ENVIRONMENT, FOREST & CLIMATE CHANGE

भारतीय वनस्पति सर्वेक्षण / BOTANICAL SURVEY OF INDIA
सी.जी.ओ. कॉम्प्लेक्स / CGO COMPLEX
तृतीय एम. एस. ओ. भवन / 3RD MSO BUILDING
पाँचवाँ और छठा तल / 5TH & 6TH FLOOR
डी एफ ब्लॉक, सेक्टर 1 / DF BLOCK, SECTOR I
साल्टलेक, कोलकाता-६४ / SALT LAKE, KOLKATA - 700064
Tel.: (033) 2321 4050 [Tech. Section] ; E-mail: tech@bsi.gov.in

फ़ाइल संख्या/ File No.: BSI-286/1 (Parl.) / 2021 -Tech.

दिनांक/Date : 20th July, 2023

सेवा में / To

The Secretary
Ministry of Environment, Forest and Climate Change
Indira Paryavaran Bhawan, Jor Bagh Road
New Delhi - 110003

(Kind attention: Ms. Geeta Bhatnagar, Under Secretary, MoEF&CC, New Delhi)

विषय/Sub : Lok Sabha Starred/Unstarred Diary No. 4187 on Biological Diversity Act, 2002- reg
संदर्भ/ Ref : Lok Sabha Starred/Unstarred Diary No. 4187 on Biological Diversity Act, 2002 for
answer on 31.07.2023

महोदया / Madam,

With reference to your email dated 18.07.2023 in connection to the Starred / Unstarred Diary No. 4187 on Biological Diversity Act, 2002 for answer on 31.07.2023, I am directed to furnish herewith the following information for your kind perusal and necessary action as follows:

(a) Whether the Government is aware of the loss of biodiversity and extinction of plants and animals are increasing in a big way;

Answer: Yes, the Government of India is aware of the loss of Biodiversity of plants.

(b) The steps proposes by the Government to address the issue;

Answer: The Government of India has taken several steps to conserve biodiversity and prevent the extinction of plants and animals. Some of these steps include:

1. The enactment of the Biological Diversity Act, 2002, which provides a legal framework for the conservation of biological diversity.
2. The enactment of Biological Diversity Rules 2004, protects India's rich biological diversity and ensuring that the benefits arising from its utilization are shared in an equitable manner.
3. The establishment of the National Biodiversity Authority, State Biodiversity Boards, and Biodiversity Management Committees at the local level to regulate access to biological resources, promote conservation, and ensure sustainable use.
4. The creation of a People's Biodiversity Register to document the biological resources available in an area and associated traditional knowledge.
5. The creation of protected areas such as national parks, wildlife sanctuaries, and biosphere reserves in different phytogeography regions which provide a safe haven for endangered species and their habitats.
6. The launch of several conservation programs such as Project Tiger, Project Elephant, and the National Mission for Clean Ganga, which aim to protect and conserve specific species and their habitats.

7. The implementation of the National Action Plan on Climate Change, which includes measures to conserve biodiversity and enhance ecosystem resilience to the impacts of climate change.
8. The promotion of sustainable agriculture practices, including organic farming and conservation agriculture, which aim to conserve soil health, water resources, and biodiversity.
9. The development of international collaborations and partnerships, such as the Convention on Biological Diversity and the Global Environment Facility, which provide a platform for sharing knowledge and resources on biodiversity conservation.

(c) the details of biodiversity heritage sites have been notified as per Section 37 of the Biological Diversity Act 2002;

Answer: The details of biodiversity heritage sites that have been notified as per Section 37 of the Biological Diversity Act 2002 are given in Annexure - A.

(d) the details of sites which are notified because of the rich wealth of agro-diversity contained therein, as is the case with several pockets in the country;

Answer: The details of the sites which are notified because of the rich wealth of agro-diversity contained therein are tabulated in the column of Annexure - A and self is explanatory.

(e) The details of the plan proposed by the Government for selecting and notifying more such sites to protect India's rich heritage of agro-diversity; and

Answer: Not Applicable to BSI

(f) Whether the Government have any schemes running to support farmers who are into seed conservation work and if so, the details thereof and if not the reason therefor?

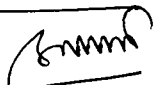
Answer: Not Applicable to BSI

This issues with the approval of Director, Botanical Survey of India.

सधन्यवाद/ Thanking you,

भवदीय/Yours sincerely

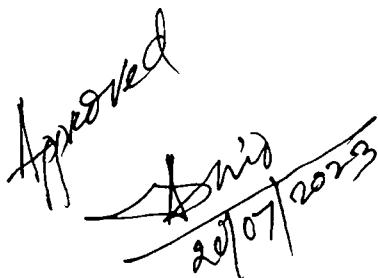
Submitted for approval


20/7/2023

(एस. एस. दाश / S. S. Dash)

वैज्ञानिक ई/ Scientist 'E'

(प्रभारी, तकनीकीअनुभाग / In-charge, Tech. Section)

Approved

20/07/2023

URGENT Dr Sabapathy

email

Parliament Section

Question : Starred: Diary No : 4187: Answer Date: 31/07/2023

From : Question Branch A <qbra-lss@sansad.nic.in>

Tue, Jul 18, 2023 03:45 PM

Subject : Question : Starred: Diary No : 4187: Answer Date:
31/07/2023

To : Parliament Section <parlsec-mef@nic.in>

LOK SABHA

D.No 4187

Ministry to which the day has been allotted : ENVIRONMENT, FOREST AND
CLIMATE CHANGE

Sitting on the : 31/07/2023

Biological Diversity Act, 2002

Will the Minister of ENVIRONMENT, FOREST AND CLIMATE CHANGE

(a) whether the Government is aware of the loss of biodiversity and
extinction of plants and animals are increasing in a big way;

(b) the steps propose by the Government to address this issue;

(c) the details of biodiversity heritage sites have been notified as per
Section 37 of the Biological Diversity Act 2002;

(d) the details of the sites which are notified because of the rich wealth
of agro-diversity contained therein, as is the case with several pockets
in the country;

(e) the details of the plan proposed by the Government for selecting and
notifying more such sites to protect India's rich heritage of
agro-diversity; and

(f) whether the Government have any schemes running to support farmers who
are into seed conservation work and if so, the details thereof and if not,
the reasons therefor?

AS (NPA)

Dir (SE)

18/07/23



FW 460868718 IN



सत्यमेव जयते

स्पीड पोस्ट / SPEED POST



भारत सरकार

GOVERNMENT OF INDIA

पर्यावरण, वन एवं जलवायु परिवर्तन मंत्रालय

MINISTRY OF ENVIRONMENT, FOREST & CLIMATE CHANGE

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Tel.: (033) 2321 4050 [Tech. Section] ; E-mail: tech@bsi.gov.in

फाइल संख्या/ File No.: BSI-286/1 (Parl.) / 2021 -Tech. /

दिनांक/Date : 4th August, 2023

सेवा में / To

The Secretary

Ministry of Environment, Forest and Climate Change

Indira Paryavaran Bhawan, Jor Bagh Road

New Delhi - 110003

(Kind attention: Dr. A. Shukla, Scientist-E, Biodiversity Division, New Delhi)

Subject: Conservation of Biodiversity – reg.

Ref: Lok Sabha Unstarred question diary no 8949 due to be answered on 7th August 2023-reg

महोदया / Madam,

With reference to your email, dated 27th July, 2023 regarding Lok Sabha Unstarred question diary no 8949 due to be answered on 7th August 2023 on "Conservation of Biodiversity" received by this office from Dr. A. Shukla, Scientist-E, Biodiversity Division, MoEFCC, New Delhi, I am directed to furnish herewith the following information for your kind perusal and necessary action as follows:

(a) whether it is a fact that Government has taken several steps for conservation of biodiversity;

Answer: Yes, the Government has taken several steps for conservation of biodiversity. As per the available information, Botanic Gardens are being set up in different phyto-geographical regions for *ex-situ* conservation of plants. In this regard, BSI has 9 botanic gardens which holds more than 5000 threatened plant species. Besides, the Forest Department of the different states are also maintaining Botanic Garden.

For the conservation of biodiversity in holistic manner, the Government has a network of protected areas, where many scheduled animals and plants have been conserved. Till date 18 Biosphere Reserves and 567 Wildlife Sanctuaries declared by the Government. Further, for conservation, many dedicated institutes are engaged in creating awareness.

(b) if so, details of the Government's vision and contribution towards the Global Biodiversity Framework emerged out of the UN Convention on Biodiversity held in Montreal last year; and

Answer: This does not pertain to BSI.

(c) whether the Government has set any goals to protect, save and improve the biodiversity in the country and if so, the details thereof?

Answer: As detailed in Answer A.

This issues with the approval of Director, Botanical Survey of India.

सधन्यवाद/ Thanking you,

भवदीय/Yours sincerely

(एस. एस. दाश / S. S. Dash)

वैज्ञानिक ई/ Scientist 'E'

(प्रभारी, तकनीकी अनुभाग / In-charge, Tech. Section)

1358
प्रेषित / DESPATCHED
4-8-23

TECHNICAL SECTION
DISPATCHED
No. T-654
Date : 04.08.2023

Email

BSI-286/1(Part)/2021-Tech/654

Technical Section BSI

Lok Sabha Unstarred question diary no 8949 due to be answered on 7th August 2023

*Dr. S. Sabharwal ph.
for record put up*

From : Achuta Nand Shukla <achuta.shukla@gov.in>
Subject : Lok Sabha Unstarred question diary no 8949 due to be answered on 7th August 2023

Thu, Jul 27, 2023 05:38 PM *Yours
S. N. Shukla
28/7/23*
1 attachment

To : Dr. B Balaji <secretary@nba.nic.in>, NBA Technical
<techbs@nba.nic.in>, Technical Section BSI
<tech@bsi.gov.in>, Ashiho Asosii Mao
<hq@bsi.gov.in>, DHRITI BANERJEE
<director@zsi.gov.in>

Cc : Mr. C. Achalender Reddy <chairman@nba.nic.in>,
Satyendra Kumar <satyendra.kumar07@nic.in>, Kunal
Singh <kunal.singh@gov.in>, kaveri choudhary
<kaveri.choudhary@gov.in>

Dear Sir,

Please find attached provisionally admitted Lok Sabha Unstarred question diary no 8949 due to be answered on 7th August 2023.

Text of the question can be read as below:

- (a) whether it is a fact that Government has taken several steps for conservation of biodiversity;
- (b) if so, details of the Government's vision and contribution towards the Global Biodiversity Framework emerged out of the UN Convention on Biodiversity held in Montreal last year; and
- (c) whether the Government has set any goals to protect, save and improve the biodiversity in the country and if so, the details thereof?

2. In the above context, you are kindly requested to provide inputs at the earliest.

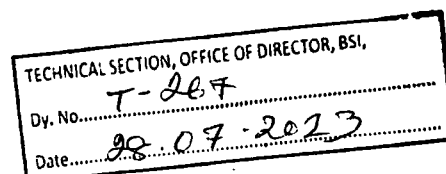
With regards,

A. N. Shukla
Scientist 'E'
Biodiversity Division

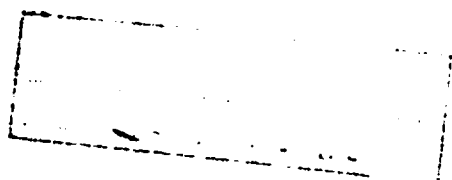
75
Azadi Ka
Amrit Mahotsav



संयुक्त कुटुम्बकम्
ONE EARTH • ONE FAMILY • ONE FUTURE



— Unstarred Diary No. 8949_0001.pdf
211 KB



Question : Unstarred: Diary No : 8949: Answer Date: 07/08/2023

From : Question Branch A <qbra-lss@sansad.nic.in>

Thu, Jul 27, 2023 02:44 PM

Subject : Question : Unstarred: Diary No : 8949: Answer Date:
07/08/2023

To : Parliament Section <parlsec-mef@nic.in>

LOK SABHA

D.No 8949

Ministry to which the day has been allotted : ENVIRONMENT, FOREST AND
CLIMATE CHANGE

Sitting on the : 07/08/2023

Conservation of Biodiversity

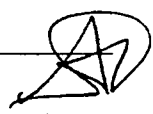
Will the Minister of ENVIRONMENT, FOREST AND CLIMATE CHANGE

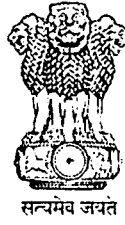
(a) whether it is a fact that Government has taken several steps for
conservation of biodiversity;

(b) if so, details of the Government's vision and contribution towards the
Global Biodiversity Framework emerged out of the UN Convention on
Biodiversity held in Montreal last year; and

(c) whether the Government has set any goals to protect, save and improve
the biodiversity in the country and if so, the details thereof?

AS(NPG) ← en Tour
Div(SK) - on Tour
AD(ANS)
112/23/R
27/7/23


27/08/23



भारत सरकार
GOVERNMENT OF INDIA
पर्यावरण, वन एवं जलवायु परिवर्तन मंत्रालय
MINISTRY OF ENVIRONMENT, FOREST & CLIMATE CHANGE

भारतीय वनस्पति सर्वेक्षण / BOTANICAL SURVEY OF INDIA
सी.जी.ओ. कॉम्प्लेक्स / CGO COMPLEX
तृतीय एम. एस. ओ. भवन / 3RD MSO BUILDING
पाँचवाँ और छठा तल / 5TH & 6TH FLOOR
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साल्टलेक, कोलकाता-६४ / SALT LAKE, KOLKATA - 700064
Tel.: (033) 2321 4050 [Tech. Section] ; E-mail: tech@bsi.gov.in

फ़ाइल संख्या/ File No.: BSI-286/1 (Parl.) / 2021 -Tech.

दिनांक/Date : August , 2023

सेवा में / To

The Secretary
Ministry of Environment, Forest and Climate Change
Indira Paryavaran Bhawan, Jor Bagh Road
New Delhi - 110003

(Kind attention: Dr. A. Shukla, Scientist-E, Biodiversity Division, New Delhi)

Subject: Conservation of Biodiversity – reg.

Ref: Lok Sabha Unstarred question diary no 8949 due to be answered on 7th August 2023-reg

महोदया / Madam,

With reference to your email, dated 27th July, 2023 regarding Lok Sabha Unstarred question diary no 8949 due to be answered on 7th August 2023 on "Conservation of Biodiversity" received by this office from Dr. A. Shukla, Scientist-E, Biodiversity Division, MoEFCC, New Delhi, I am directed to furnish herewith the following information for your kind perusal and necessary action as follows:

(a) whether it is a fact that Government has taken several steps for conservation of biodiversity;

Answer: Yes. BSI facilitates *ex-situ* conservation of plants at the 11 gardens maintained by the different regional centres spread all over the country in order to conserve the vast endemic and threatened flora. Keeping up with the demands of modern scientific research, some of the regional centres of BSI conserve seeds, pollens, shoots etc. and employ tissue culture methods to uncomplimented the track of taxonomic research in future.

(b) if so, details of the Government's vision and contribution towards the Global Biodiversity Framework emerged out of the UN Convention on Biodiversity held in Montreal last year; and

Answer: ~~Not~~ not to pursue a BSI

(c) whether the Government has set any goals to protect, save and improve the biodiversity in the country and if so, the details thereof?

Answer: BSI through the Mission Life initiative of the MoEF&CC conducts different awareness programmes on the themes Waste Reduced (Swachhata Actions), Sustainable food system adopted, E-waste reduced etc.

This issues with the approval of Director, Botanical Survey of India.

सधन्यवाद/ Thanking you,

Yes →
As per available information, are being
set up in the region for *ex-situ*
conservation of plants.
भवदीय/ Yours sincerely
(एस. एस. दाश / S. S. Dash)
वैज्ञानिक / Scientist 'E'
(प्रभारी, तकनीकी अनुभाग / In-charge, Tech. Section)

In this regard BSI has ID 9 below:
Gardens which hold more than 5000 trees:
Most species. Besides, Forest Dept is
different state to one also minority
between Gardens.

② For conservation of biodiversity in holistic
Mammals, Govt has a network of
protected areas, where many
scheduled animals and plants have been
conserved. Till last _____ BR
_____ WLS _____ are in decline
by the Govt

③ For conservation, many ~~dedicated~~
centres are engaged in creating
public awareness.

- (a) **Whether it is a fact that Government has taken several steps for conservation of biodiversity;**

Answer: Yes

- (b) **If so, details of the Government's vision and contribution towards the Global Biodiversity Framework emerged out of the UN Convention on Biodiversity held in Montreal last year; and**

Answer: Last year in Montreal, Canada, governments from around the world came together to agree on a new set of goals to guide global action through 2030 to halt and reverse nature loss. 15th Conference of Parties (COP15) to the UN Convention on Biological Diversity “**Kunming-Montreal Global Biodiversity Framework**” (GBF) was adopted.

GBF includes 4 goals and 23 targets for achievement by 2030.

The U.N. biodiversity conference concluded in Canada's Montreal.

The first part of COP 15 took place in Kunming, China and reinforced the commitment to address the biodiversity crisis and the Kunming Declaration was adopted by over 100 countries including India.

The Key Targets of the GBF are

▪ **30x30 Deal:**

Many have hailed the 30x30 target set at the United Nations Biodiversity Conference, or COP15, which just ended in Canada's Montreal. The two-week United Nations Biodiversity Conference, or COP15, ended in Canada's Montreal with the commitment to protect 30% of land and 30% of water on Earth by 2030. This agreement is being referred to as “30×30.”

Restore 30% degraded ecosystems globally (on land and sea) by 2030

Conserve and manage 30% areas (terrestrial, inland water, and coastal and marine) by 2030.

- **Stop the extinction of known species, and by 2050** reduce tenfold the extinction risk and rate of all species (including unknown)
- **Reduce risk from pesticides by at least 50% by 2030**
- Reduce nutrients lost to the environment by at least 50% by 2030
- **Reduce pollution risks and negative impacts of pollution** from all sources by 2030 to levels that are not harmful to biodiversity and ecosystem functions
- **Reduce global footprint of consumption by 2030**, including through significantly reducing overconsumption and waste generation and halving food waste
- **Sustainably manage areas under agriculture, aquaculture, fisheries, and forestry** and substantially increase agroecology and other biodiversity-friendly practices
- Tackle climate change through nature-based solutions

- Reduce the rate of introduction and establishment of invasive alien species by at least 50% by 2030
- Secure the safe, legal and sustainable use and trade of wild species by 2030
- Green up urban spaces

(c) Whether the Government has set any goals to protect, save and improve the biodiversity in the country and if so, the details thereof?

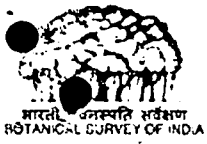
4/21/07/23

Submitted to Scientist 'D', Tech. Sec. BSE, H.A. for
n.a. please.

Submitted for approval or instruction of

Y. J. J.
04/18/23.

Surge Tech. Sect. Incharge to M.



EW390890155 IN



स्पीड पोस्ट / SPEED POST



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GOVERNMENT OF INDIA
पर्यावरण, वन एवं जलवायु परिवर्तन मंत्रालय
MINISTRY OF ENVIRONMENT, FOREST & CLIMATE CHANGE

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फाइल संख्या/ File No.: BSI-286/1 (Parl.) / 2021 -Tech.

दिनांक/Date : 25th July, 2023

सेवा में / To

The Secretary

Ministry of Environment, Forest and Climate Change
Indira Paryavaran Bhawan, Jor Bagh Road
New Delhi - 110003

विषय/Sub : Rajya Sabha Unstarred Diary No. U1215 on "Cultivation of Medicinal Plants and rare species of herbs"- reg

महोदया / Sir,

With reference to the above mentioned subject via email, dated 20th July, 2023 regarding Rajya Sabha Un-starred Diary No. U1215 on "Cultivation of Medicinal Plants and rare species of herbs" to be answered on 01.08.23 was received by this office and was directed to furnish the answer for the questions which is as follows:

- a. Whether the government has implemented any scheme to provide financial assistance for cultivation of medicinal plants and the rare species of herbs if so the details there of

Yes, One of the project entitled "Ex-situ conservation of Rare Endangered Threatened, Endemic & Economic plants of Rajasthan and Gujarat under ABG scheme" sanctioned by MoEF&CC, New Delhi to BSI, AZRC, Jodhpur. Financial assistance was not for cultivation of medicinal plants but to conserve selective rare plants of Rajasthan. During the surveys, BSI also collect some medical plants of its jurisdiction and maintain them at BSI, AZRC garden to create the awareness to educate the students and local people.

- b. if so the details of the amount sanctioned and released including Rajasthan under the scheme during the last 3 years till date state wise and year wise and

Total outlay of the project	Rs. 40,66,000.00
Date of start of the project	6 th June 2019
Total fund received	Rs. 33,94,000.00

- c. Whether the government has conducted any survey in other states of the country including Rajasthan to identify the medicinal plants and rare species of herbs if so the details there of if not the reason thereof?

Yes, Botanical Survey of India conducts survey for medicinal plant and rare plants while its regular plant exploration trips. Besides, some of the explorations were done to document the traditional use of medicinal plants in Rajasthan and Gujarat are 1. Ethnobotany of Dang District, Gujarat. 2. Ethnobotany of Junagadh District, Gujarat. 3. Ethnobotany of Rajasthan.

This issues with the approval of Director, Botanical Survey of India.

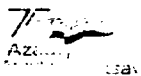
सधन्यवाद/ Thanking you,

भवदीय/ Yours sincerely

(एस. एस. दाश / S. S. Dash)

वैज्ञानिक ई/ Scientist 'E'

(प्रभारी, तकनीकीअनुभाग / In-charge, Tech. Section)



प्रेषित / DISPATCHED
1342
26/7/23

TECHNICAL SECTION
DISPATCHED
No. T- 578
Date : 25.07.2023

भारत सरकार
GOVERNMENT OF INDIA
पर्यावरण, वन एवं जलवायु परिवर्तन मंत्रालय
MINISTRY OF ENVIRONMENT, FOREST & CLIMATE CHANGE

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Tel.: (033) 2321 4050 [Tech. Section] ; E-mail: tech@bsi.gov.in

फाइल संख्या/ File No.: BSI-286/1 (Parl.) / 2021 -Tech.

दिनांक/Date : 24th July, 2023

सेवा में / To

The Secretary
Ministry of Environment, Forest and Climate Change
Indira Paryavaran Bhawan, Jor Bagh Road
New Delhi - 110003

विषय/Sub : Rajya Sabha Unstarred Diary No. U1215 on "Cultivation of Medicinal Plants and rare species of herbs"- reg

संदर्भ/ Ref Rajya Sabha Unstarred Diary No. U1215 on "Cultivation of Medicinal Plants and rare species of herbs"

महोदया / Sir,

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- b. if so the details of the amount sanctioned and released including Rajasthan under the scheme during the last 3 years till date state wise and year wise and

Total outlay of the project	₹	40,66,000.00
Date of start of the project		6 th June 2019
Total fund received	₹	33,94,000.00

- c. Whether the government has conducted any survey in other states of the country including Rajasthan to identify the medicinal plants and rare species of herbs if so the details there of if not the reason thereof? conducted

Yes, Botanical Survey of India survey for medicinal plant and rare plants while its regular plant exploration/projects (including Eco-sensitive zone) and include the component of medicinal plant survey in the final reports along with the endemic and threatened plants.

Besides, some of the explorations/ethnobotanical surveys, projects were done to document the traditional use of medicinal plants in Rajasthan and Gujarat which are 1. Ethnobotany of Dang District, Gujarat. 2. Ethnobotany of Junagadh District, Gujarat. 3. Ethnobotany of Rajasthan.

Publication:

1. SINGH, V. AND R.P. PANDEY. 1998. *Ethnobotany of Rajasthan, India*. Scientific Publishers, Jodhpur.
2. SINGH, V. AND R. P. PANDEY 1980. Medicinal plant - lore of the tribals of eastern Rajasthan. *J. Econ. Taxon. Bot.* 1: 137 - 147.
3. SINGH, V. AND R.P. PANDEY 1996. Ethno-medicinal plants used for venereal and gynaecological diseases in Rajasthan (India). *Ethnobotany of South Asia. Additional series J. Econ. Taxon. Bot.* 12: 154-165.
4. SINGHADIYA, M.K., I. PANDEY, V. MAINA, R.P. PANDEY AND H.K. PEDDI 2016. Ethnobotanical study of traditional medicinal plants used as anti-psoriatic in Rajasthan – India. *Journal of Non Timber Forest Products*, 23(4): 225-232.
5. SINGHADIYA, M.K., V. MAINA AND R.P. PANDEY 2015. *Withania coagulans* (Stocks) Dunal - A rare Ethnomedicinal Plant in the Western Rajasthan Desert, India. *J. Non Timber Forest Products* 22(1): 57-59.
6. SHARMA S.C., C.S. PUROHIT, J. KANTIYA AND R. AGGRAWAL 2015 Traditional significant medicinal plants of Rajasthan. In: Kapoor B.B.S., Sharma S.C., Arora A. and Jain R.R. (Eds) *Ethno-botany a Recent approach*. Madhu Publication 191-196.
7. SINGH, V. AND R.P. PANDEY 1983 Economic and Medicinal plants of Indian desert. In: Alam Singh (Eds) *Desert Resources and Technology*. Jodhpur, 1: 307-368.

This issues with the approval of Director, Botanical Survey of India.

सधन्यवाद/ Thanking you,

भवदीय/Yours sincerely

(एस. एस. दाश / S. S. Dash)

वैज्ञानिक ई/ Scientist 'E'

(प्रभारी, तकनीकीअनुभाग / In-charge, Tech. Section)

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MINISTRY OF ENVIRONMENT, FOREST & CLIMATE CHANGE

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फाइल संख्या/ File No.: BSI-286/1 (Parl.) / 2021 -Tech.

दिनांक/Date : 24th July, 2023

सेवा में / To

The Secretary
Ministry of Environment, Forest and Climate Change
Indira Paryavaran Bhawan, Jor Bagh Road
New Delhi - 110003

विषय/Sub : Rajya Sabha Unstarred Diary No. U1215 on "Cultivation of Medicinal Plants and rare species of herbs"- reg

संदर्भ/ Ref Rajya Sabha Unstarred Diary No. U1215 on "Cultivation of Medicinal Plants and rare species of herbs"

महोदया / Sir,

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- a. Whether the government has implemented any scheme to provide financial assistance for cultivation of medicinal plants and the rare species of herbs if so the details there of

Yes, the project entitled "Ex-situ conservation of Rare Endangered Threatened, Endemic & Economic plants of Rajasthan and Gujarat under ABG scheme" sanctioned by MoEF&CC, New Delhi to BSI, AZRC, Jodhpur. To implement the BSI annual action plan projects, BSI, Jodhpur is doing survey in both the Gujarat and Rajasthan states and record medicinal plants along with natural vegetation of the surveyed areas. Financial assistance is not for cultivation of medicinal plants. During the surveys, BSI also collect some medical plants of its jurisdiction and maintain them at BSI, AZRC garden to create the awareness and exposure based education to the students of the different educational institutions and local people.

- b. if so the details of the amount sanctioned and released including Rajasthan under the scheme during the last 3 years till date state wise and year wise and

Total outlay of the project	40,66,000.00
Date of start of the project	6 th June 2019
Total fund received	3394000.00

- c. Whether the government has conducted any survey in other states of the country including Rajasthan to identify the medicinal plants and rare species of herbs if so the details there of if not the reason thereof?

Yes, all the plant exploration projects (including Eco-sensitive zone) include the component of medicinal plant survey in the final reports along with the endemic and threatened plants. Ethnobotanical survey of Rajasthan and Gujarat have also been done.

List of Ethnobotany projects 1. Ethnobotany of Dang District, Gujarat. 2. Ethnobotany of Junagadh District, Gujarat. 3. Ethnobotany of Rajasthan.

Publication:

1. SINGH, V. AND R.P. PANDEY. 1998. *Ethnobotany of Rajasthan, India*. Scientific Publishers, Jodhpur.
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7. SINGH, V. AND R.P. PANDEY 1983 Economic and Medicinal plants of Indian desert. In: Alam Singh (Eds) *Desert Resources and Technology*. Jodhpur, 1: 307-368.

This issues with the approval of Director, Botanical Survey of India.

सधन्यवाद/ Thanking you,

भवदीय/Yours sincerely

(एस. एस. दाश / S. S. Dash)

वैज्ञानिक ई/ Scientist 'E'

(प्रभारी, तकनीकीअनुभाग / In- charge, Tech. Section)

Yes,
Botanical Survey of India for medicinal plants.
Plant while it regular expansion trips.
and rare plants.
Beside, some of the expansions done medicinal plants
to document the habitat use of medicinal plants in Rajasthan and Gujarat.
(X)

With reference to the Rajya Sabha question no U1215, the following part-wise reply is given below for your perusal

- a. Whether the government has implemented any scheme to provide financial assistance for cultivation of medicinal plants and the rare species of herbs if so the details there of**

Yes, the project entitled "Ex-situ conservation of Rare Endangered Threatened, Endemic & Economic plants of Rajasthan and Gujarat under ABG scheme"" sanctioned by MoEF&CC, New Delhi to BSI, AZRC, Jodhpur. To implement the BSI annual action plan projects, BSI, Jodhpur is doing survey in both the Gujarat and Rajasthan states and record medicinal plants along with natural vegetation of the surveyed areas. Financial assistance is not for cultivation of medicinal plants. During the surveys, BSI also collect some medical plants of its jurisdiction and maintain them at BSI, AZRC garden to create the awareness and exposure based education to the students of the different educational institutions and local people.

- b. if so the details of the amount sanctioned and released including Rajasthan under the scheme during the last 3 years till date state wise and year wise and**

Total outlay of the project	40,66,000.00
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- c. Whether the government has conducted any survey in other states of the country including Rajasthan to identify the medicinal plants and rare species of herbs if so the details there of if not the reason therefore**

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List of Ethnobotany projects: 1. Ethnobotany of Dang District, Gujarat. 2. Ethnobotany of Junagadh District, Gujarat. 3. Ethnobotany of Rajasthan.

Publication:



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Welcome:
Nisha

1. SINGH, V. AND R.P. PANDEY. 1998. *Ethnobotany of Rajasthan, India*. Scientific Publishers, Jodhpur.
2. SINGH, V. AND R.P. PANDEY. 1998. *Ethnobotany of Rajasthan, India*. Scientific Publishers, Jodhpur.
3. SINGH, V. AND R. P. PANDEY 1980. Medicinal plant - lore of the tribals of eastern Rajasthan. *J. Econ. Taxon. Bot.* 1: 137 - 147.
4. SINGH, V. AND R.P. PANDEY 1996. Ethno-medicinal plants used for venereal and gynaecological diseases in Rajasthan (India). *Ethnobotany of South Asia. Additional series J. Econ. Taxon. Bot.* 12: 154-165.
5. SINGHADIYA, M.K., I. PANDEY, V. MAINA, R.P. PANDEY AND H.K. PEDDI 2016. Ethnobotanical study of traditional medicinal plants used as anti-psoriatic in Rajasthan – India. *Journal of Non Timber Forest Products*, 23(4): 225-232.
6. SINGHADIYA, M.K., V. MAINA AND R.P. PANDEY 2015. *Withania coagulans* (Stocks) Dunal - A rare Ethnomedicinal Plant in the Western Rajasthan Desert, India. *J. Non Timber Forest Products* 22(1): 57-59.
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8. SINGH, V. AND R.P. PANDEY 1983 Economic and Medicinal plants of Indian desert. In: Alam Singh (Eds) *Desert Resources and Technology*. Jodhpur, 1: 307-368.

Email

Technical Section BSI

Fwd: Rajya Sabha Starred/Unstarred diary No. U1215 - ' Cultivation of Medicinal Plants and rare species of herbs' to be answered on 01.08.2023 - reg.

From : Ashiho Asosii Mao <hq@bsi.gov.in>
Subject : Fwd: Rajya Sabha Starred/Unstarred diary No. U1215 -
' Cultivation of Medicinal Plants and rare species of
herbs' to be answered on 01.08.2023 - reg.
To : Technical Section BSI <tech@bsi.gov.in>, Dr Sudhansu
Sekhar Dash <ssdash@bsi.gov.in>

Thu, Jul 20, 2023 06:02 PM

1 attachment

For n.a. pl.

Dr. Sudhir
/smh
20/7/2023

From: "PRABHU SUBRAMANI" <p.subramani@gov.in>
To: "Ashiho Asosii Mao" <hq@bsi.gov.in>, "ADMIN BSI" <admin@bsi.gov.in>
Cc: "Ved Prakash Mishra" <mishra.vp@gov.in>
Sent: Thursday, July 20, 2023 5:27:44 PM
Subject: Rajya Sabha Starred/Unstarred diary No. U1215 - ' Cultivation of Medicinal Plants and rare species of herbs' to be answered on 01.08.2023 - reg.

Sir,

Please refer OM no H-11017/05/2023-24-NMPB-II dated 20th July, 2023 received from the National Medicinal Plant Board, Ministry of Ayush regarding Rajya Sabha Starred/Unstarred diary No. U1215 - ' Cultivation of Medicinal Plants and rare species of herbs' to be answered on 01.08.2023 for inputs from the Ministry (copy is enclosed).

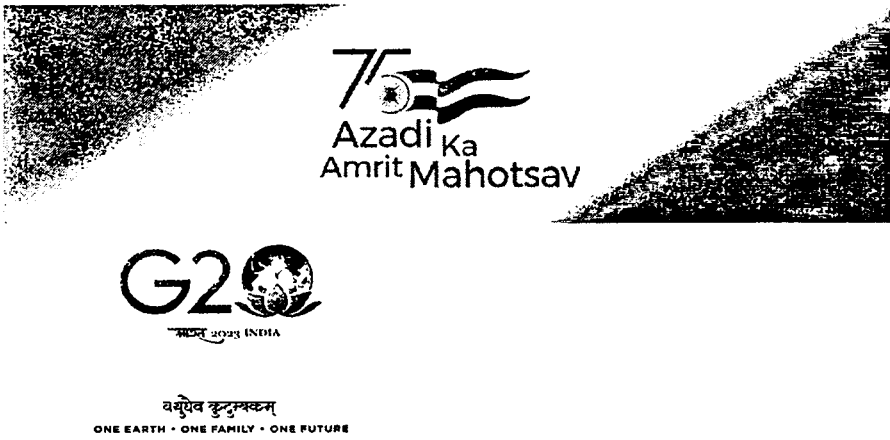
It is requested that the part-wise information of the above-said question may kindly be furnished to the undersigned in hard as well as soft copy in MS WORD format latest by 24.07.2023 positively.

This may be treated as **Most urgent**.

With regards,

S. Prabhu

--
Dr. S. Prabhu
Scientist 'D'/ Joint Director (S)
Ministry of Environment, Forest & Climate Change
Government of India
Indira Paryavaran Bhawan
Jorbagh Road
New Delhi - 110 003.
Mobile No. +91 9531838089.



 **RSQ U1215 for 01.8.23.pdf**
584 KB

F. No. H-11017/05/2023-24-NMPB-II
Government of India
Ministry of Ayush
National Medicinal Plants Board (NMPB)

1st & 2nd Floor, Annexe Building,
Near Indian Red Cross Society,
Red Cross Road, New Delhi – 110001
E-mail: kavitatyagii@gmail.com
Dated: 20th July, 2023

OFFICE MEMORANDUM

Subject: Rajya Sabha Provisionally Admitted Starred/Unstarred Question Dairy No. U1215 for answer on 01.08.2023 regarding “cultivation of medicinal plants and rare species of herbs” – reg.

The undersigned is directed to refer to the above said Rajya Sabha Provisionally Admitted Starred/Unstarred Question Dairy No. U1215 for answer on 01.08.2023 reproduced hereunder:

- (a) whether the Government has implemented any scheme to provide financial assistance for cultivation of medicinal plants and rare species of herbs, if so, the details thereof;
- (b) if so, the details of the amount sanctioned and released including Rajasthan under the scheme during the last three years till date, state-wise and year-wise; and
- (c) whether the Government has conducted any survey in other states of the country including Rajasthan to identify the medicinal plants and rare species of herbs, if so, the details thereof, if not, the reasons therefor?

2. It is requested that part-wise reply/ information to the said question may kindly be furnished to the undersigned, in hard as well as soft copy (kavitatyagii@gmail.com) latest by 24.07.2023 (11.00 AM).



(Saurabh Sharma)
Manager (Marketing & Trade)

To

1. Smt. Shuba Thakur, Joint Secretary (Parliament), Ministry of Agriculture & Farmers Welfare, Krishi Bhavan, Dr. Rajendra Prasad Road, New Delhi, 110001 (Tel: 011-23383744/ 23386031 / 23386268, Email: sthakur@nic.in; pqdac.krishi@nic.in, drsomanath.agasimani@gov.in, rpsingh.15863@gov.in)
2. Joint Secretary, Ministry of Rural Development, Government of India, Krishi Bhavan, Dr. Rajendra Prasad Road, New Delhi – 110001 (Shri A. A. Sreekanth, US (GC/Parliament), Tele: 011-23070978, Email: aa.sreekanth@nic.in, Shri Muslim T. R., SO (GC/Parliament), Tele: 23782502, Email: muslim.tr@nic.in, pqrd@nic.in)
3. Managing Director, National Horticulture Board, Ministry of Agriculture and Farmers Welfare, Government of India, 85, Institutional Area, Sector-18, Gurugram, 122015 (Haryana) (Tel: 0124-2342992, Email: md@nhb.gov.in)

4. Director, Mission for Integrated Development of Horticulture, Ministry of Agriculture and Farmers Welfare, 248A, Krishi Bhawan, Dr. Rajendra Prasad Road, New Delhi, 110001 (Tel: 011-23384618, 23382383, Email: midhaap@gmail.com, manojias2008@nic.in, harit.shakya@nic.in, midhaab@gmail.com, kn.verma@nic.in, mrityunjaya.m@nic.in, Tel: 011-23388795 / 23388474 / 23074238)
5. Mr. Rajeev Mathur, Section Officer, Parliament section, Ministry of Environment, Forests and Climate Change, Indira Paryavaran Bhawan, Jor Bagh Road, New Delhi 03 (Email: parlsec-mef@nic.in Tel: 011-24695332)
6. All desks of NMPB / SMPBs / SHMs / RCFCs / Others

**F. No. H-11017/05/2023-24-NMPB-II
Government of India
Ministry of Ayush
National Medicinal Plants Board (NMPB)**

1st & 2nd Floor, Annexe Building,
Near Indian Red Cross Society,
Red Cross Road, New Delhi – 110001
E-mail: kavitatyagii@gmail.com
Dated: 20th July, 2023

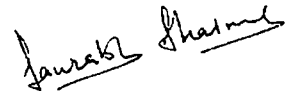
OFFICE MEMORANDUM

Subject: Rajya Sabha Provisionally Admitted Starred/Unstarred Question Dairy No. U1215 for answer on 01.08.2023 regarding “cultivation of medicinal plants and rare species of herbs” – reg.

The undersigned is directed to refer to the above said Rajya Sabha Provisionally Admitted Starred/Unstarred Question Dairy No. U1215 for answer on 01.08.2023 reproduced hereunder:

- (a) whether the Government has implemented any scheme to provide financial assistance for cultivation of medicinal plants and rare species of herbs, if so, the details thereof;
- (b) if so, the details of the amount sanctioned and released including Rajasthan under the scheme during the last three years till date, state-wise and year-wise; and
- (c) whether the Government has conducted any survey in other states of the country including Rajasthan to identify the medicinal plants and rare species of herbs, if so, the details thereof, if not, the reasons therefor?

2. It is requested that part-wise reply/ information to the said question may kindly be furnished to the undersigned, in hard as well as soft copy (kavitatyagii@gmail.com) latest by 24.07.2023 (11.00 AM).



**(Saurabh Sharma)
Manager (Marketing & Trade)**

To

1. Smt. Shuba Thakur, Joint Secretary (Parliament), Ministry of Agriculture & Farmers Welfare, Krishi Bhavan, Dr. Rajendra Prasad Road, New Delhi, 110001 (Tel: 011-23383744/ 23386031 / 23386268, Email: sthakur@nic.in; pqdac.krishi@nic.in, drsomanath.agasimani@gov.in, rpsingh.15863@gov.in)
2. Joint Secretary, Ministry of Rural Development, Government of India, Krishi Bhavan, Dr. Rajendra Prasad Road, New Delhi – 110001 (Shri A. A. Sreekanth, US (GC/Parliament), Telc: 011-23070978, Email: aa.sreekanth@nic.in, Shri Muslim T. R., SO (GC/Parliament), Telc: 23782502, Email: muslim.tr@nic.in, pqrd@nic.in)
3. Managing Director, National Horticulture Board, Ministry of Agriculture and Farmers Welfare, Government of India, 85, Institutional Area, Sector-18, Gurugram, 122015 (Haryana) (Tel: 0124-2342992, Email: md@nhb.gov.in)

4. Director, Mission for Integrated Development of Horticulture, Ministry of Agriculture and Farmers Welfare. 248A, Krishi Bhawan, Dr. Rajendra Prasad Road, New Delhi.110001 (Tel:01123384618,23382383,Email:midhaap@gmail.com, manojias2008@nic.in, harit.shakya@nic.in, midhaab@gmail.com, kn.verma@nic.in, mrityunjaya.m@nic.in, Tel: 011-23388795 / 23388474 / 23074238)
5. Mr. Rajeev Mathur, Section Officer, Parliament section, Ministry of Environment, Forests and Climate Change, Indira Paryavaran Bhawan, Jor Bagh Road, New Delhi 03 (Email: parlsec-mef@nic.in Tel: 011-24695332)
6. All desks of NMPB / SMPBs / SHMs / RCFCs /Others



भारत सरकार
GOVERNMENT OF INDIA
पर्यावरण, वन एवं जलवायु परिवर्तन मंत्रालय
MINISTRY OF ENVIRONMENT, FOREST & CLIMATE CHANGE

भारतीय वनस्पति सर्वेक्षण / BOTANICAL SURVEY OF INDIA
सी.जी.ओ. कॉम्प्लेक्स / CGO COMPLEX
तृतीय एम. एस. ओ. भवन / 3RD MSO BUILDING
पाँचवाँ और छठा तल / 5TH & 6TH FLOOR
डी एफ ब्लॉक, सेक्टर 1 / DF BLOCK, SECTOR 1
साल्टलेक, कोलकाता-६४ / SALT LAKE, KOLKATA - 700064
Tel.: (033) 2321 4050 [Tech. Section] ; E-mail: tech@bsi.gov.in

फाइल संख्या/ File No.: BSI-286/1 (Parl.) / 2021 -Tech.

दिनांक/Date : 24th July, 2023

सेवा में / To

The Secretary
Ministry of Environment, Forest and Climate Change
Indira Paryavaran Bhawan, Jor Bagh Road
New Delhi - 110003

विषय/Sub : Lok Sabha Starred/Unstarred Diary No. 394 on "Cultivation of Medicinal Plant"- reg
संदर्भ/ Ref : Lok Sabha Starred/Unstarred Diary No. 394 on "Cultivation of Medicinal Plant" for
answer on 21.07.2023

महोदया / Sir,

With reference to your email dated 17.07.2023 in connection to the Starred / Unstarred Diary No.394 on "Cultivation of Medicinal Plant" for answer on 21.07.2023, I am directed to furnish herewith the following information for your kind perusal and necessary action as follows:

(a) *whether the Government has launched any program/scheme for cultivation and promotion of medicinal plants in the country for the benefit of farmers and health;*

Answer: . Yes. details are as follows

{Source: 05 FEB 2021 7:34PM by PIB Delhi}

Ministry of AYUSH, Government of India is presently implementing Centrally Sponsored Scheme of National AYUSH Mission (NAM). Under Medicinal Plants component of the NAM scheme supporting market driven cultivation of prioritized medicinal plants in identified cluster/zones with in selected districts of States and implemented in a mission mode. As per the scheme guidelines, the support is provided for:

- Cultivation of prioritized medicinal plants on farmers land.
- Establishment of nurseries with backward linkages for raising and supply of quality planting material.
- Post-harvest management with forward linkages.
- Primary processing, marketing infrastructure etc.

Under this scheme, subsidy @30%, 50% and 75% of cost of its cultivation is provided for cultivation of medicinal plants throughout the country.

Ministry of AYUSH has allocated an amount of Rs. 13467.71 lakh and released an amount of Rs. 7572.40 lakh during the last two years under Medicinal Plants component of National AYUSH Mission (NAM) scheme throughout the country to cover an area of 16739.59 hectare under cultivation & promotion of medicinal plants and related activities.

National Medicinal Plants Board (NMPB), Ministry of AYUSH & Ministry of AYUSH have supported 2,27,009 hectares area for cultivation of medicinal plant from Financial Year 2008-09 to 2014-15 under National Mission on Medicinal Plants (NMMP) and from the Financial Year 2015-16 to 2019-20 under National AYUSH Mission (NAM) scheme throughout the country.

The National Medicinal Plants Board (NMPB), Ministry of AYUSH and Centre for Development of Advanced Computing (C-DAC) have jointly developed e-CHARAK mobile application as well as web portal for the promotion and marketing of medicinal plants/herbs. The e-CHARAK an e-channel for Herbs, Aromatic, Raw material and knowledge is a platform to enable information exchange between various stakeholders mainly farmers involved in the medicinal plants sector across the country. The e-CHARAK application supports different local languages and it also provides fortnightly market price of 100 Medicinal Plants from 25 herbal markets across India.



भारत सरकार
GOVERNMENT OF INDIA
पर्यावरण, वन एवं जलवायु परिवर्तन मंत्रालय
MINISTRY OF ENVIRONMENT, FOREST & CLIMATE CHANGE

EW 390890155 IN



सत्यमेव जयते

स्पीड पोस्ट / SPEED POST



भारतीय वनस्पति सर्वेक्षण / BOTANICAL SURVEY OF INDIA
सी.जी.ओ. कॉम्प्लेक्स / CGO COMPLEX
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फाइल संख्या/ File No.: BSI-286/1 (Parl.) / 2021 -Tech.

दिनांक/Date : 24th July, 2023

सेवा में / To

The Secretary
Ministry of Environment, Forest and Climate Change
Indira Paryavaran Bhawan, Jor Bagh Road
New Delhi - 110003

विषय/Sub : Lok Sabha Starred/Unstarred Diary No. 394 on "Cultivation of Medicinal Plant"- reg
संदर्भ/ Ref : Lok Sabha Starred/Unstarred Diary No. 394 on "Cultivation of Medicinal Plant" for
answer on 21.07.2023

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Answer: . Yes. details are as follows

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Ministry of AYUSH has also supported creation of 39 District Collection Centres, Rural Collection Centres, Retail Outlets for easy sale and purchase of medicinal plants under National AYUSH Mission scheme.

Details of area supported under National Mission on Medicinal Plants (NMMP) and National AYUSH Mission (NAM) by M/o AYUSH is in Annexure "A"

b) if so, the details thereof along with the efforts being made particularly in Katni, Chhatarpur, Panna districts of Khajurao Parliamentary constituency in Madhya Pradesh,

Answer: No data available with BSI.

c) if not, the reasons therefore;

Answer: Monitoring and implementation of cultivation of medicinal plants under any govt. scheme is beyond the purview of BSI.

d) whether the Government is aware that there is a rise in the cultivation of medicinal plants country:

Answer: No data available with BSI

e) if so, the details thereof during the last five years and the current year, State/UT-wise and if not, the reasons therefore; and

Answer: Data not available with BSI as it is beyond our purview.

f) the details of the assistance provided to the farmers by the Government for cultivation of medicinal plants?

Answer: No data available with BSI

This issues with the approval of Director, Botanical Survey of India.

सधन्यवाद/ Thanking you,

भवदीय/ Yours sincerely

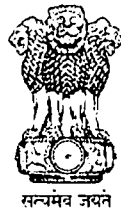
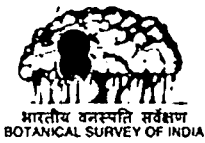
(एस. एस. दाश / S. S. Dash)

वैज्ञानिक ई/ Scientist 'E'

(प्रभारी, तकनीकी अनुभाग / In-charge, Tech. Section)



1346
प्रेषित / DISPATCHED
26/7/23



भारत सरकार
GOVERNMENT OF INDIA
पर्यावरण, वन एवं जलवायु परिवर्तन मंत्रालय
MINISTRY OF ENVIRONMENT, FOREST & CLIMATE CHANGE

भारतीय वनस्पति सर्वेक्षण / BOTANICAL SURVEY OF INDIA
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Tel.: (033) 2321 4050 [Tech. Section] ; E-mail: tech@bsi.gov.in

फाइल संख्या/ File No.: BSI-286/1 (Parl.) / 2021 -Tech.

दिनांक/Date : 24th July, 2023

सेवा में / To

The Secretary
Ministry of Environment, Forest and Climate Change
Indira Paryavaran Bhawan, Jor Bagh Road
New Delhi - 110003

विषय/Sub : Lok Sabha Starred/Unstarred Diary No. 394 on "Cultivation of Medicinal Plant"- reg
संदर्भ/ Ref : Lok Sabha Starred/Unstarred Diary No. 394 on "Cultivation of Medicinal Plant" for
answer on 21.07.2023

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(a) *whether the Government has launched any program/scheme for cultivation and promotion of medicinal plants in the country for the benefit of farmers and health;*

Answer: . Yes. details are as follows

{Source: 05 FEB 2021 7:34PM by PIB Delhi}

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b) if so, the details thereof along with the efforts being made particularly in Katni, Chhatarpur, Panna districts of khajurao Parliamentary constituency in Madhya Pradesh,

Answer: No data available with BSI.

c) if not, the reasons therefore;

Answer: Monitoring and implementation of cultivation of medicinal plants under any govt. scheme is beyond the purview of BSI.

d) whether the Government is aware that there is a rise in the cultivation of medicinal plants country:

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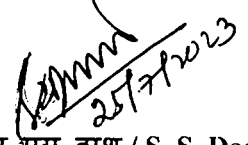
f) the details of the assistance provided to the farmers by the Government for cultivation of medicinal plants?

Answer : No data available with BSI

This issues with the approval of Director, Botanical Survey of India.

सधन्यवाद/ Thanking you,

भवदीय/Yours sincerely



(एस. एस. दाश / S. S. Dash)

वैज्ञानिक ई/ Scientist 'E'

(प्रभारी, तकनीकीअनुभाग / In- charge, Tech. Section)

विषय/Subject : Lok Sabha Admitted un-starred Question No. 394 for answer on 21.07.2023 regarding "Cultivation of Medicinal Plants"- reg.

With reference to the above mentioned subject via email, dated 17th July, 2023 regarding Lok Sabha un-starred Question Diary No. 394 on "Cultivation of Medicinal Plants" for answer on 21.07.2023, received by this office from National Medicinal Plant Board, Ministry of Ayush, and was directed to furnish the answer for the questions (a-f).

(a) whether the Government has launched any program/scheme for cultivation and promotion of medicinal plants in the country for the benefit of farmers and health;

Answer: . Yes. details are as follows

{source: 05 FEB 2021 7:34PM by PIB Delhi}

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Under this scheme, subsidy @30%, 50% and 75% of cost of its cultivation is provided for cultivation of medicinal plants throughout the country.

Ministry of AYUSH has allocated an amount of Rs. 13467.71 lakh and released an amount of Rs. 7572.40 lakh during the last two years under Medicinal Plants component of National AYUSH Mission (NAM) scheme throughout the country to cover an area of 16739.59 hectare under cultivation & promotion of medicinal plants and related activities.

National Medicinal Plants Board (NMPB), Ministry of AYUSH & Ministry of AYUSH have supported 2,27,009 hectares area for cultivation of medicinal plant from Financial Year 2008-09 to 2014-15 under National Mission on Medicinal Plants (NMMP) and from the Financial Year 2015-16 to 2019-20 under National AYUSH Mission (NAM) scheme throughout the country.

The National Medicinal Plants Board (NMPB), Ministry of AYUSH and Centre for Development of Advanced Computing (C-DAC) have jointly developed e-CHARAK mobile application as well as web portal for the promotion and marketing of medicinal plants/herbs. The e-CHARAK an e-channel for Herbs, Aromatic, Raw material and knowledge is a platform to enable information exchange between various stakeholders mainly farmers involved in the medicinal plants sector across the country. The e-CHARAK application supports different local languages and it also provides fortnightly market price of 100 Medicinal Plants from 25 herbal markets across India.

Ministry of AYUSH has also supported creation of 39 District Collection Centres, Rural Collection Centres, Retail Outlets for easy sale and purchase of medicinal plants under National AYUSH Mission scheme.

Details of area supported under National Mission on Medicinal Plants (NMMP) and National AYUSH Mission (NAM) by M/o AYUSH is in Annexure "A"

b) if so, the details thereof along with the efforts being made particularly in Katni, Chhatarpur, Panna districts of khajurao Parliamentary constituency in Madhya Pradesh,

Answer: No data available with BSI.

c) if not, the reasons therefore;

Answer: Monitoring and implementation of cultivation of medicinal plants under any govt. scheme is beyond the purview of BSI.

d) whether the Government is aware that there is a rise in the cultivation of medicinal plants country:

Answer : No Data available with BSI

e) if so, the details thereof during the last five years and the current year, State/UT-wise and if not, the reasons therefore; and

Answer: Data not available with BSI as it is beyond our purview.

f) the details of the assistance provided to the farmers by the Government for cultivation of medicinal plants?

Answer : No Data is available with BSI

ANNEXURE "A"

Details of area supported under National Mission on Medicinal Plants (NMMP) and National AYUSH Mission (NAM) by M/o AYUSH

S.No.	Name of the States/ UTs	NMMP	NAM	Total
Area in hectare				
1	Andhra Pradesh	32681.1	4703.31	37384.4
2	Arunachal Pradesh	2174.25	266.4	2440.65
3	Assam	2364.75	623.6	2988.35
4	Bihar	885	175	1060
5	Chhattisgarh	992	400	1392
6	Goa	0	113.22	113.22
7	Gujarat	970	936.3	1906.3
8	Haryana	2321.4	419.8	2741.2
9	Himachal Pradesh	355.04	236	591.04
10	Jammu & Kashmir	250	116	366
11	Jharkhand	7926.73	0	7926.73
12	Karnataka	7530.61	2613.9	10144.5
13	Kerala	5174.82	1888.5	7063.32

14	Madhya Pradesh	46076.8	8281	54357.8
15	Maharashtra	2887.07	1290.43	4177.5
16	Manipur	1293.5	616.2	1909.7
17	Meghalaya	1141.5	178	1319.5
18	Mizoram	3140.75	344.28	3485.03
19	Nagaland	5372	541.5	5913.5
20	Orissa	6073.3	866.504	6939.8
21	Punjab	0	598	598
22	Puducherry	0	50.27	50.27
23	Rajasthan	269.75	4112.5	4382.25
24	Sikkim	1779.74	179	1958.74
25	Tamil Nadu	30282.4	3931	34213.4
26	Telangana	0	1674.18	1674.18
27	Tripura	90	255.6	345.6
28	Uttar Pradesh	12859.3	10064.4	22923.7
29	Uttarakhand	1545.7	801.53	2347.23
30	West Bengal	2531	1763.8	4294.8
	GRAND TOTAL	178968	48040	227009



भारत सरकार
GOVERNMENT OF INDIA
पर्यावरण, वन एवं जलवायु परिवर्तन मंत्रालय
MINISTRY OF ENVIRONMENT, FOREST & CLIMATE CHANGE

भारतीय वनस्पति सर्वेक्षण / BOTANICAL SURVEY OF INDIA
सी.जी.ओ. कॉम्प्लेक्स / CGO COMPLEX
तृतीय एम. एस. ओ. भवन / 3RD MSO BUILDING
पाँचवाँ और छठा तल / 5TH & 6TH FLOOR
डी एफ ब्लॉक, सेक्टर १ / DF BLOCK, SECTOR I
साल्टलेक, कोलकाता-६४ / SALT LAKE, KOLKATA - 700064
Tel.: (033) 2321 4050 [Tech. Section] ; E-mail: tech@bsi.gov.in

फाइल संख्या/ File No.: BSI-286/1 (Parl.) / 2021 -Tech.

दिनांक/Date : 20th July, 2023

सेवा में / To

The Secretary
Ministry of Environment, Forest and Climate Change
Indira Paryavaran Bhawan, Jor Bagh Road
New Delhi - 110003

विषय/Sub : Lok Sabha Starred/Unstarred Diary No. 394 on "Cultivation of Medicinal Plant"- reg
संदर्भ/ Ref : Lok Sabha Starred/Unstarred Diary No. 394 on "Cultivation of Medicinal Plant" for
answer on 21.07.2023

महोदया / Sir,

With reference to your email dated 17.07.2023 in connection to the Starred / Unstarred Diary No.394 on "Cultivation of Medicinal Plant" for answer on 21.07.2023, I am directed to furnish herewith the following information for your kind perusal and necessary action as follows:

(a) *whether the Government has launched any program/scheme for cultivation and promotion of medicinal plants in the country for the benefit of farmers and health;*

Answer: . Yes. details are as follows

Source : {Posted On: 05 FEB 2021 7:34PM by PIB Delhi}

Ministry of AYUSH, Government of India is presently implementing Centrally Sponsored Scheme of National AYUSH Mission (NAM). Under Medicinal Plants component of the NAM scheme supporting market driven cultivation of prioritized medicinal plants in identified cluster/zones with in selected districts of States and implemented in a mission mode. As per the scheme guidelines, the support is provided for:

- Cultivation of prioritized medicinal plants on farmers land.
- Establishment of nurseries with backward linkages for raising and supply of quality planting material.
- Post-harvest management with forward linkages.
- Primary processing, marketing infrastructure etc.

Under this scheme, subsidy @30%, 50% and 75% of cost of its cultivation is provided for cultivation of medicinal plants throughout the country.

Ministry of AYUSH has allocated an amount of Rs. 13467.71 lakh and released an amount of Rs. 7572.40 lakh during the last two years under Medicinal Plants component of National AYUSH Mission (NAM) scheme throughout the country to cover an area of 16739.59 hectare under cultivation & promotion of medicinal plants and related activities.

National Medicinal Plants Board (NMPB), Ministry of AYUSH & Ministry of AYUSH have supported 2,27,009 hectares area for cultivation of medicinal plant from Financial Year 2008-09 to 2014-15 under National Mission on Medicinal Plants (NMMP) and from the Financial Year 2015-16 to 2019-20 under National AYUSH Mission (NAM) scheme throughout the country.

The National Medicinal Plants Board (NMPB), Ministry of AYUSH and Centre for Development of Advanced Computing (C-DAC) have jointly developed e-CHARAK mobile application as well as web portal for the promotion and marketing of medicinal plants/herbs. The e-CHARAK an e-channel for Herbs, Aromatic, Raw material and knowledge is a platform to enable information exchange between various stakeholders mainly farmers involved in the medicinal plants sector across the country. The e-CHARAK application supports different local languages and it also provides fortnightly market price of 100 Medicinal Plants from 25 herbal markets across India.

Ministry of AYUSH has also supported creation of 39 District Collection Centres, Rural Collection Centres, Retail Outlets for easy sale and purchase of medicinal plants under National AYUSH Mission scheme.

Details of area supported under National Mission on Medicinal Plants (NMMP) and National AYUSH Mission (NAM) by M/o AYUSH is in Annexure "A"

b) if so, the details thereof along with the efforts being made particularly in Katni, Chhatarpur, Panna districts of Khajurao Parliamentary constituency in Madhya Pradesh,

Answer: No data available with BSI.

c) if not, the reasons therefore;

Answer: Monitoring and implementation of cultivation of medicinal plants under any govt. scheme is beyond the purview of BSI.

d) whether the Government is aware that there is a rise in the cultivation of medicinal plants country:

Answer: ~~yes~~ Not data available with BSI

e) if so, the details thereof during the last five years and the current year, State/UT-wise and if not, the reasons therefore; and

Answer: Data not available with BSI as it is beyond our purview.

f) the details of the assistance provided to the farmers by the Government for cultivation of medicinal plants?

Answer: Yes.

Ministry of AYUSH is supporting cultivation of medicinal plants on farmer's land throughout the country by providing subsidy for 140 medicinal plants @30%, 50% and 75% of cost of its cultivation, depending upon the status of availability and market demand as per operational guidelines of the Scheme. The Ministry of AYUSH has supported 56396 hectare area under cultivation of Medicinal Plants in National AYUSH Mission (NAM) scheme. The detail of area covered under cultivation of medicinal plant throughout the country from the F.Y 2015-16 to 2020-21 is given at Annexure.

Ministry of Finance has announced Rs. 4000 crore package under Atma Nirbhar Bharat for Promotion of Herbal Cultivation. The Ministry of AYUSH has prepared a draft scheme namely "Pradhan Mantri VRIKSH AYUSH Yojana" for cultivation and marketing of medicinal plants which is yet to be approved from Cabinet.

The scheme will be implemented throughout the country.

This issues with the approval of Director, Botanical Survey of India.

सधन्यवाद/ Thanking you,

भवदीय/Yours sincerely

(एस. एस. दाश / S. S. Dash)

वैज्ञानिक ई/ Scientist 'E'

(प्रभारी, तकनीकीअनुभाग / In- charge, Tech. Section)

No data available with BSI.

भारत सरकार
GOVERNMENT OF INDIA
पर्यावरण, वन एवं जलवायु परिवर्तन मंत्रालय
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Tel.: (033) 2321 4050 [Tech. Section] ; E-mail: tech@bsi.gov.in

ANNEXURE "A"				
Details of area supported under National Mission on Medicinal Plants (NMMP) and National AYUSH Mission (NAM) by M/o AYUSH				
S.No.	Name of the States/ UTs	NMMP	NAM	Total
Area in hectare				
1	Andhra Pradesh	32681.1	4703.31	37384.4
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3	Assam	2364.75	623.6	2988.35
4	Bihar	885	175	1060
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7	Gujarat	970	936.3	1906.3
8	Haryana	2321.4	419.8	2741.2
9	Himachal Pradesh	355.04	236	591.04
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19	Nagaland	5372	541.5	5913.5
20	Orissa	6073.3	866.504	6939.8
21	Punjab	0	598	598
22	Puducherry	0	50.27	50.27
23	Rajasthan	269.75	4112.5	4382.25
24	Sikkim	1779.74	179	1958.74
25	Tamil Nadu	30282.4	3931	34213.4
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30	West Bengal	2531	1763.8	4294.8
GRAND TOTAL		178968	48040	227009

Re: Lok Sabha un-starred No. 394 - 'Cultivation of Medicinal Plants ' for answer on 21.07.2023 for inputs- reg.

From : Dr.Onkar Nath Maurya <onmaurya@bsi.gov.in>

Thu, Jul 20, 2023 03:43 PM

Subject : Re: Lok Sabha un-starred No. 394 - 'Cultivation of Medicinal Plants ' for answer on 21.07.2023 for inputs- reg.

To : Technical Section BSI <tech@bsi.gov.in>

Cc : Ashiho Asosii <aamao@bsi.gov.in>

Sh. Sudhir
(bmm)
20/7/2023

Respected Sir,

Please find the Point wise reply of Lok Sabha Unstarred

a. Yes. details are as follows

Posted On: 05 FEB 2021 7:34PM by PIB Delhi

Ministry of AYUSH, Government of India is presently implementing Centrally Sponsored Scheme of National AYUSH Mission (NAM). Under "Medicinal Plants" component of the NAM scheme supporting market driven cultivation of prioritized medicinal plants in identified cluster zones with in selected districts of States and implemented in a mission mode. As per the scheme guidelines, the support is provided for:

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Ministry of AYUSH has also supported creation of 39 District Collection Centres, Rural Collection Centres, Retail Outlets for easy sale and purchase of medicinal plants under National AYUSH Mission scheme.

Details of area supported under National Mission on Medicinal Plants (NMMP) and National AYUSH Mission (NAM) by M/o AY

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18	Mizoram	3140.75	344.28
19	Nagaland	5372	541.5
20	Orissa	6073.3	866.504
21	Punjab	0	598
22	Puducherry	0	50.27
23	Rajasthan	269.75	4112.5
24	Sikkim	1779.74	179
25	Tamil Nadu	30282.4	3931
26	Telangana	0	1674.18
27	Tripura	90	255.6
28	Uttar Pradesh	12859.3	10064.4
29	Uttarakhand	1545.7	801.53
30	West Bengal	2531	1763.8
GRAND TOTAL		178968	48040

b. No data available with BSI.

c. Monitoring and implementation of cultivation of medicinal plants under any govt. scheme is beyond the purview of BSI.

d. yes

e. data not available with BSI as it is beyond our purview.

f. Yes.

Ministry of AYUSH is supporting cultivation of medicinal plants on farmer's land throughout the country by providing subsidy for 140 medicinal plants @30%, 50% and 75% of cost of its cultivation, depending upon the status of availability and market demand as per operational guidelines of the Scheme. The Ministry of AYUSH has supported 56396 hectare area under cultivation of Medicinal Plants in National AYUSH Mission (NAM) scheme. The detail of area covered under cultivation of medicinal plant throughout the country from the F.Y 2015-16 to 2020-21 is given at Annexure.

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The scheme will be implemented throughout the country.

Thanks and regards

O. N. Maurya
CRC, BSI, Allahabad

From: "Technical Section BSI" <tech@bsi.gov.in>

To: "bsi crald" <bsi.crcald@gmail.com>, "Dr. Onkar Nath Maurya" <onmaurya@bsi.gov.in>

Cc: "Dr Sudhansu Sekhar Dash" <ssdash@bsi.gov.in>, "C M Sabapathy" <cmsabapathy@bsi.gov.in>

Sent: Thursday, July 20, 2023 12:35:32 PM

Subject: Fwd: Lok Sabha un-starred No. 394 - 'Cultivation of Medicinal Plants' for answer on 21.07.2023 for inputs- reg.

Sir,

In reference to the above mentioned subject on parliamentary questions, you are requested to provide the necessary inputs, on the questions asked, in return mail today itself (i.e. 20th July, 2023) by 4 pm positively.

Also, please ignore the previous mail for the Lok Sabha question diary no. 4187.

This may be treated as URGENT please.

Thanking you,

Technical Section

Botanical Survey of India, HQ

Salt Lake City, Kolkata - 700 064

Emails: tech@bsi.gov.in ; tech.bsi2021@gmail.com

From: "Ashiho Asosii Mao" <hq@bsi.gov.in>

To: "Dr Sudhansu Sekhar Dash" <ssdash@bsi.gov.in>, "Technical Section BSI" <tech@bsi.gov.in>

Sent: Tuesday, July 18, 2023 3:41:01 PM

Subject: Fwd: Lok Sabha un-starred No. 394 - 'Cultivation of Medicinal Plants' for answer on 21.07.2023 for inputs- reg.

N.a. pl.

From: "PRABHU SUBRAMANI" <p.subramani@gov.in>
To: "ADMIN BSI" <admin@bsi.gov.in>, "Ashiho Asosii Mao" <hq@bsi.gov.in>, "Dr. B Balaji" <secretary@nba.nic.in>
Cc: "Ved Prakash Mishra" <mishra.vp@gov.in>
Sent: Monday, July 17, 2023 2:46:52 PM
Subject: Lok Sabha un-starred No. 394 - 'Cultivation of Medicinal Plants ' for answer on 21.07.2023 for inputs- reg.

Sir,

Please refer OM no H-11016/15/2023-24-NMPB-IV dated 17th July, 2023 received from the National Medicinal Plant Board, Ministry of Ayush regarding Lok Sabha un-starred No. 394 - ' Cultivation of Medicinal Plants ' for answer on 21.07.2023 for inputs from the Ministry (copy is enclosed). It is requested that the part - wise information of the above said question may kindly be furnished to the undersigned in hard as well as soft copy in MS WORD format latest by 17.07.2023 positively.

This may be treated as **Most urgent**.

With regards,
S. Prabhu

--
Dr. S. Prabhu
Scientist 'D'/ Joint Director (S)
Ministry of Environment, Forest & Climate Change
Government of India
Indira Paryavaran Bhawan
Jorbagh Road
New Delhi - 110 003.
Mobile No. +91 9531838089.



Email

Technical Section BSI

Fwd: Lok Sabha un-starred No. 394 - 'Cultivation of Medicinal Plants ' for answer on 21.07.2023 for inputs- reg.

From : Ashiho Asosii Mao <hq@bsi.gov.in>

Tue, Jul 18, 2023 03:42 PM

Subject : Fwd: Lok Sabha un-starred No. 394 - 'Cultivation of Medicinal Plants ' for answer on 21.07.2023 for inputs- reg.

1 attachment

To : Dr Sudhansu Sekhar Dash <ssdash@bsi.gov.in>, Technical Section BSI <tech@bsi.gov.in>

N.a. pl.

Dr. Sudhansu Dash
18/7/2023

From: "PRABHU SUBRAMANI" <p.subramani@gov.in>

To: "ADMIN BSI" <admin@bsi.gov.in>, "Ashiho Asosii Mao" <hq@bsi.gov.in>, "Dr. B Balaji" <secretary@nba.nic.in>

Cc: "Ved Prakash Mishra" <mishra.vp@gov.in>

Sent: Monday, July 17, 2023 2:46:52 PM

Subject: Lok Sabha un-starred No. 394 - 'Cultivation of Medicinal Plants ' for answer on 21.07.2023 for inputs- reg.

To Dr. Subramani
18/7/2023

Sir,

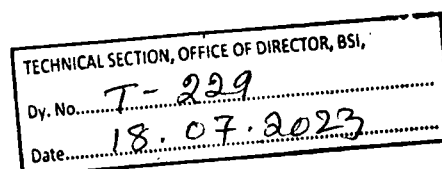
Please refer OM no H-11016/15/2023-24-NMPB-IV dated 17th July, 2023 received from the National Medicinal Plant Board, Ministry of Ayush regarding Lok Sabha un-starred No. 394 - ' Cultivation of Medicinal Plants ' for answer on 21.07.2023 for inputs from the Ministry (copy is enclosed). It is requested that the part - wise information of the above said question may kindly be furnished to the undersigned in hard as well as soft copy in MS WORD format latest by 17.07.2023 positively.

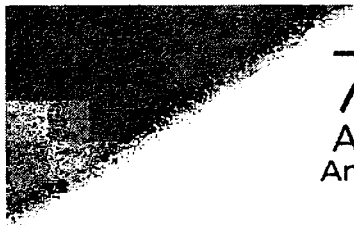
This may be treated as **Most urgent**.

With regards,
S. Prabhu

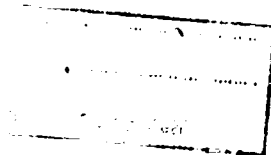
--

Dr. S. Prabhu
Scientist 'D' Joint Director (S)
Ministry of Environment, Forest & Climate Change
Government of India
Indira Paryavaran Bhawan
Jorbagh Road
New Delhi - 110 003.
Mobile No. +91 9531838089.





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Azadi Ka
Amrit Mahotsav



वसुधैव कुटुम्बकम्
ONE EARTH • ONE FAMILY • ONE FUTURE

 **LSQ 394 for 21.07.2023.pdf**
906 KB

F. No. H-11016/15/2023-NMPB-II
Government of India
Ministry of Ayush
National Medicinal Plants Board (NMPB)

1st & 2nd Floor, Annexe Building,
Near Indian Red Cross Society,
Red Cross Road, New Delhi – 110001
E-mail: kavitatyagii@gmail.com
Dated: 17th July, 2023

OFFICE MEMORANDUM

Subject: Lok Sabha Admitted Starred Question No. 394 for answer on 21.07.2023 regarding “Cultivation of Medicinal Plants” – reg.

The undersigned is directed to refer to the above said Lok Sabha Admitted Starred Question No. 394 for 21.07.2023 reproduced hereunder:

- a) whether the Government has launched any program/scheme for cultivation and promotion of medicinal plants in the country for the benefit of farmers and health;
- b) if so, the details thereof along with the efforts being made particularly in Katni, Chhatarpur, Panna districts of Khajurao Parliamentary constituency in Madhya Pradesh;
- c) if not, the reasons therefor;
- d) whether the Government is aware that there is a rise in the cultivation of medicinal plants in the country;
- e) if so, the details thereof during the last five years and the current year, State/UT-wise and if not, the reasons therefor; and
- f) the details of the assistance provided to the farmers by the Government for cultivation of medicinal plants?

2. It is requested that part-wise reply/ information to the said question may kindly be furnished to the undersigned, in hard as well as soft copy (kavitatyagii@gmail.com) latest by 17.07.2023 (04.00 PM).


(Dr. R. Murugeswaran)
Deputy Adviser (MPs)

To

1. Smt. Shuba Thakur, Joint Secretary (Parliament), Ministry of Agriculture & Farmers Welfare, Krishi Bhavan, Dr. Rajendra Prasad Road, New Delhi, 110001 (Tel: 011-23383744/ 23386031 / 23386268, Email: sthakur@nic.in; pqdac.krishi@nic.in, drsomanath.agasimani@gov.in, rpsingh.15863@gov.in)
2. Joint Secretary, Ministry of Rural Development, Government of India, Krishi Bhavan, Dr. Rajendra Prasad Road, New Delhi – 110001 (Shri A. A. Sreekanth, US (GC/Parliament), Tele: 011-23070978, Email: aa.sreekanth@nic.in, Shri Muslim T. R., SO (GC/Parliament), Tele: 23782502, Email: muslim.tr@nic.in, pqrd@nic.in)

3. Director General, CCRAS, Janak Puri, New Delhi (Tel: 011-28524457 Fax: 28520748, Email: dg-ccras@nic.in)
4. Director General, CCRUM, Janak Puri, New Delhi (Tel: 28521981, 2965, Fax: 28522965, Email: unanimedicine@gmail.com)
5. Director General, CCRS, Chennai, Tamil Nadu (Tel: 044-26211621 / 26212421, Email: dgccrs@hotmail.com, ccrschennai@gmail.com)
6. Director General, CCRI, Janak Puri, New Delhi (Tel: 28521162, 5523, 5749, Fax: 28521060, Email: ccrh@del3.vsnl.net.in)
7. Director, Mission for Integrated Development of Horticulture, Ministry of Agriculture and Farmers Welfare, 248A, Krishi Bhawan, Dr. Rajendra Prasad Road, New Delhi, 110001 (Tel: 011-23384618, 23382383, Email: midhaap@gmail.com, manojias2008@nic.in, harit.shakva@nic.in, midhaab@gmail.com, kn.verma@nic.in, mrityunjaya.m@nic.in, Tel: 011-23388795 / 23388474 / 23074238)
8. Director General (ICAR), Krishi Bhawan, New Delhi- 110001; Phone: 011-233889919; E-mail: dg.icar@nic.in
9. Ms. Asha Chauhan, Director, Ayurveda Division, Ministry of Ayush, Ayush Bhawan N, B Block, GPO Complex, INA, New Delhi – 110023 (email- asha.chauhan@gov.in)
10. Smt. Vijayalakshmi Bharadwaj, Deputy Secretary, Administration and Homocopathy Division (IEC Section), M/o AYUSH, Mail: vijayalakshmi.bharadwaj40@gov.in, Ph: 011-24651658
11. ICAR-Directorate of Medicinal & Aromatic Plants Research Institute of ICAR-DMAPR, Anand, Gujarat-387310 (Ph: 2692 271602, Email: director.dmapr@icar.gov.in, manish.das@icar.gov.in)
12. Executive Director, Shellac Export Promotion Council, (Shexil), “Vanijaya Bhawan” International Trade Facilitation Centre, 1/1, Wood Street, 2nd Floor, Kolkata – 700 016 (Fax: 033-22834699), Email: sepc@vsnl.net, shexil@gmail.com, Phone: 033-22834117 / 22834699)
13. Executive Director, Pharmaceuticals Export Promotion Council of India (Pharmexcil), 101, Adityan Trade Centre, Amcer pet, Hyderabad – 500 038 (Ph – 040- 23735462 / 66, Fax: 040 – 23735464), Email: info@pharmexcil.com, dd.smk@pharmexcil.com)
14. Dr. Kousthubha Upadhyaya, Adviser (Ay.), DCC Section, Drug Policy L&P Division, Ministry of AYUSH (Email: adviser-ayush@gov.in, raman.kaushik@gov.in, Tel: 011-20815348); Dr. Raman Kaushik, DPS Section Mob: 09315629761)
15. Dr. Suresh Kumar, Deputy Adviser (Ay.), National Ayush Mission, Ministry of Ayush, Ayush Bhawan N, B Block, GPO Complex, INA, New Delhi – 110023 (email-suresh.kumar75@nic.in)
16. Mr. Rajeev Mathur, Section Officer, Parliament section, Ministry of Environment, Forests and Climate Change, Indira Paryavaran Bhawan, Jor Bagh Road, New Delhi 03 (Email: parlsec-mef@nic.in Tel: 011-24695332)
17. Assistant Section Officer, Ministry of Panchayati Raj, 9th Floor, Jeevan Bharati Building, Connaught Place, New Delhi-110001 (Email: pankaj.kr93@gov.in, pankaj.mopr@nic.in, Tel: 011- 23725309)
18. All desks of NMPB / SMPBs / SHMs / RCFCs /Others



EN 460868718 IN



स्पीड पोस्ट / SPEED POST



भारत सरकार
GOVERNMENT OF INDIA
पर्यावरण, वन एवं जलवायु परिवर्तन मंत्रालय
MINISTRY OF ENVIRONMENT, FOREST & CLIMATE CHANGE

भारतीय वनस्पति सर्वेक्षण / BOTANICAL SURVEY OF INDIA
सी.जी.ओ. कॉम्प्लेक्स / CGO COMPLEX
तृतीय एम. एस. ओ. भवन / 3RD MSO BUILDING
पाँचवाँ और छठा तल / 5TH & 6TH FLOOR
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साल्टलेक, कोलकाता-६४ / SALT LAKE, KOLKATA - 700064
Tel.: (033) 2321 4050 [Tech. Section] ; E-mail: tech@bsi.gov.in

फाइल संख्या/ File No.: BSI- 286/1 (Parl.) / 2021 -Tech.

दिनांक/Date : 2nd August, 2023

सेवा में / To

The Secretary
Ministry of Environment, Forest and Climate Change
Indira Paryavaran Bhawan, Jor Bagh Road
New Delhi - 110003

(Kind attention: Ms. Geeta Bhatnagar, Under Secretary, MoEF&CC, New Delhi)

Subject: Damage due to Forest Fire - reg.

Ref: Lok Sabha Unstarred Diary No. 2918 to be answered on 07/08/2023 "Damage due to Forest Fire"-.reg.

महोदया / Madam,

With reference to your email, dated 2nd August, 2023 regarding Damage due to Forest Fire, I am directed to furnish herewith the following information for your kind perusal and necessary action as follows:

(a) whether the forest fires have increased during the last five years, if so, the details of loss occurred in the forests;

Answer: As per the media reports, there are instances of rising incidents of forest fire from December 2022 to February 2023. However, no such information is available with BSI.

(b) whether the Government is aware of the increasing incidents of forest fires in various States particularly in the Vagamon region of Kerala State;

Answer: As per the media reports, Kerala is witnessing rising incidents of forest fire from December 2022 to February 2023 mostly in Vagamon and Attapadi regions. However, no such information is available with BSI.

(c) whether the Government has made efforts to identify the causes and prepared an action plan to tackle the increasing incidence of forest fires in the country including Kerala, if so, the details thereof and if not, the reasons therefor;

Answer: The Ministry of Environment, Forest & Climate Change has formulated the National Action Plan on Forest Fire (NAPFF) vide F. No. 8-4/2016-FPD dated April 2018 (copy enclosed) which provides concise strategies on forest fire management which includes generation of awareness amongst the local inhabitants, capacity building of communities, increasing the resilience of forests to fires etc.

(d) whether several endangered reptiles were reported charred in the forest fires in various States;

Answer: This question does not pertain to BSI.

(e) whether the raging fire is destroying the ecosystem of forests, shrinking animal habitats and disrupting the food chain leading to migration of wild animals and birds from their habitats to other places for safety; and

Answer: At present, no data regarding this is available with BSI.

(f) whether a large number of animals have migrated from the north division to the southern parts of the States due to forest fire incidents and if so, the details thereof and corrective steps being taken in this regard?

Answer: This question does not pertain to BSI.

This issues with the approval of Director, Botanical Survey of India.

सधन्यवाद/ Thanking you,

भवदीय/Yours sincerely

(एस. एस. दार्श / S. S. Dash)

वैज्ञानिकई/ Scientist 'E'

(प्रभारी, तकनीकी अनुभाग / In-charge, Tech. Section)

Encl: As above

1356
प्रेषित / DESPATCHED
मार्च 8-23

TECHNICAL SECTION
DISPATCHED
No. T-646
Date : 02.08.2023

Email

Technical Section BSI

Fwd: Admitted Lok Sabha Unstarred Diary No. 2918 to be answered on 07/08/2023 -reg "Damage due to Forest Fire".

From : Forest Protection Division (MoEF&CC) <fpd-moefcc@gov.in>

Wed, Aug 02, 2023 02:13 PM

2 attachments

Subject : Fwd: Admitted Lok Sabha Unstarred Diary No. 2918 to be answered on 07/08/2023 -reg "Damage due to Forest Fire".

To : Technical Section BSI <tech@bsi.gov.in>

Respected Madam/ Sir,

Please find attached Admitted Lok Sabha Unstarred Question No. 8986 to be answered on 07/08/2023 regarding "Damage due to Forest Fire". You are requested to provide the inputs on part (a) to (f) **by today**.

whether the forest fires have increased during the last five years, if so, the details of loss occurred in the forests;

- (b) whether the Government is aware of the increasing incidents of forest fires in various States particularly in the Vagamon region of Kerala State;
- (c) whether the Government has made efforts to identify the causes and prepared an action plan to tackle the increasing incidence of forest fires in the country including Kerala, if so, the details thereof and if not, the reasons therefor;
- (d) whether several endangered reptiles were reported charred in the forest fires in various States;
- (e) whether the raging fire is destroying the ecosystem of forests, shrinking animal habitats and disrupting the food chain leading to migration of wild animals and birds from their habitats to other places for safety; and
- (f) whether a large number of animals have migrated from the north division to the southern parts of the States due to forest fire incidents and if so, the details thereof and corrective steps being taken in this regard?

With best regards,

Forest Protection Division
Ministry of Environment, Forest and Climate Change
(Government of India)
Indira Paryavarn Bhawan
5th Floor, Agni Wing, Jor Bagh Road
New Delhi-110003
Tel No. 011-20819281



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 **2918.pdf**
237 KB

Ministry of Environment, Forest and Climate Change
Parliament Section

Jal Wing, 1st Floor

Dated : 01/08/2023

Lok Sabha

Unstarred Question No: 2918 Monday, Dated: 07/08/2023

Damage due to Forest Fire

2918. MS. RAMYA HARIDAS:
DR. TALARI RANGAIAH:
DR. SHASHI THAROOR:

Will the Minister of ENVIRONMENT, FOREST
AND CLIMATE CHANGE

पर्यावरण, वन और जलवायु परिवर्तन मंत्री

be pleased to state:

(a) whether the forest fires have increased during the last five years, if so, the details of loss occurred in the forests;

(b) whether the Government is aware of the increasing incidents of forest fires in various States particularly in the Vagamon region of Kerala State;

(c) whether the Government has made efforts to identify the causes and prepared an action plan to tackle the increasing incidence of forest fires in the country including Kerala, if so, the details thereof and if not, the reasons therefor;

(d) whether several endangered reptiles were reported charred in the forest fires in various States;

(e) whether the raging fire is destroying the ecosystem of forests, shrinking animal habitats and disrupting the food chain leading to migration of wild animals and birds from their habitats to other places for safety; and

(f) whether a large number of animals have migrated from the north division to the southern parts of the States due to forest fire incidents and if so, the details thereof and corrective steps being taken in this regard?

Officer Concern JAF(FPD) - on Leave

JAF(FPD)

(2 PD)


01.08.23
SO (Parliament)

F.No.8-4/2016-FPD
Government of India
Ministry of Environment, Forest & Climate Change
(Forest Protection Division)

Agni Wing, 5th Floor
Indira Paryavaran Bhawan,
Aliganj, Jor Bagh
New Delhi – 110003
Dated: April, 2018

To

**The Principal Secretary (Forest)
Government of all States/UTs**

Sub: National Action Plan on Forest Fire (NAPFF) -regarding.

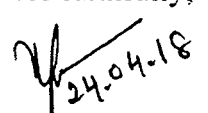
Sir/Madam,

I am directed to inform that in pursuance to the recommendation of Parliamentary Standing Committee on Science & Technology and Environment & Forests in its 293rd report and the directions of Hon'ble National Green Tribunal (NGT), New Delhi in the Original Application No. 216 of 2016 in the matter of Rajiv Dutta vs Union of India and others, this Ministry has formulated the National Action Plan on Forest Fire taking inputs from the recommendations of the study on "Situation Analysis of Forest Fire in India" conducted by this Ministry in collaboration with the World Bank and consultations with major stakeholders such as the State Forest Departments, National Disaster Management Authority etc and based on the outcome of the workshop on NAPFF held in this Ministry on 5th and 6th April, 2018. The same has been approved by the competent authority in the Ministry.

The approved NAPFF is enclosed herewith for taking appropriate action at your end as the forest fire season is already on. Further, it is requested that the action taken in this regard may please be intimated to this Ministry at the earliest

Yours faithfully,

Encl : As above


(S. Elamurugannan)
Assistant Inspector of General of Forests (FPD)
Email: fpdmoef@gmail.com
Telephone No.011-24695459



EW460869191 IN



मंत्रालय / Ministry



भारत सरकार
GOVERNMENT OF INDIA
पर्यावरण, वन एवं जलवायु परिवर्तन मंत्रालय
MINISTRY OF ENVIRONMENT, FOREST & CLIMATE CHANGE

भारतीय वनस्पति सर्वेक्षण / BOTANICAL SURVEY OF INDIA
सी.जी.ओ. कॉम्प्लेक्स / CGO COMPLEX
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पाँचवाँ और छठा तल / 5TH & 6TH FLOOR
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फाइल संख्या/ File No.: BSI- 286/1 (Parl.) / 2021 -Tech.

दिनांक/Date : 7th August, 2023

सेवा में / To

The Secretary
Ministry of Environment, Forest and Climate Change
Indira Paryavaran Bhawan, Jor Bagh Road
New Delhi - 110003

(Kind attention: Ms. Geeta Bhatnagar, Under Secretary, MoEF&CC, New Delhi)

Subject: Development of Eco- Parks in the country- reg.

Sir,

With reference to your email, dated 04th August, 2023 regarding Unstarred Question Diary No. 2443 on "Development of Eco- Parks in the country" for answer on 10.08.2023, I am directed to furnish herewith the point wise information for your kind perusal and necessary action.

(a) the number of Eco-Parks that have been developed in the last three years, State-wise;

Answer: No information is available with Botanical Survey of India in this regard.

(b) the amount of revenue generated through these Eco-Parks in the last three years, year-wise; and

Answer: Not applicable to Botanical Survey of India.

(c) whether there is a proposal for constructing Eco-Parks in various districts of Uttar Pradesh including Lucknow at present, if so, the details thereof?

Answer: This does not come under the purview of Botanical Survey of India.

This issues with the approval of Director, Botanical Survey of India.

सधन्यवाद/ Thanking you,

भवदीय/Yours sincerely

(एस. एस. दाश / S. S. Dash)

वैज्ञानिकई/ Scientist 'E'

(प्रभारी, तकनीकी अनुभाग / In-charge, Tech. Section)

1368
प्रेषित / DESPATCHED
7/8/23

TECHNICAL SECTION
DISPATCHED
No. T- 658
Date : 07.08.2023

Ministry of Environment, Forest and Climate Change
Parliament Section

Jal Wing, 1st Floor

Dated : 04/08/2023

Rajya Sabha

Unstarred Question No: 2443 Thursday, Dated: 10/08/2023

Development of Eco-Parks in the country

2443 Dr. Laxmikant Bajpayee:

Will the Minister of **Environment, Forest and Climate Change** be pleased to state:

- the number of Eco-Parks that have been developed in the last three years, State-wise;
- the amount of revenue generated through these Eco-Parks in the last three years, year-wise; and
- whether there is a proposal for constructing Eco-Parks in various districts of Uttar Pradesh including Lucknow at present, if so, the details thereof?

Office of ADG (WL)

Dy. No. 985075

Date: 04/08/2023

ADG(WL)

Report up a reply

4/8

IG (NAEB)

4/8

O/o DGE & SS
Dy. No. 985075
Date: 04.08.2023

Officer Concern _____

04.08.23
SO (Parliament)

(P.T.O.)

2443 Dr. Laxmikant BaiPaYee: will the Minister of Environment, Forest and climate change be pleased to state:

(a) the number of Eco-Parks that have been developed in the last three years, statewise;

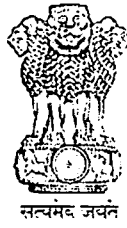
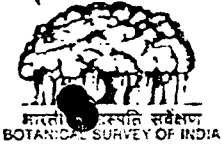
No info
Answer: The list of Eco-Parks is not under the perview of BSI

(b) the amount of revenue generated through these Eco-Parks in the last three years' year wise;

NA **Answer:** Not under the administration of BSI

(c) whether there is a proposal for constructing Eco-Parks in various districts of Uttar Pradesh including Lucknow at present, if So, the details there of

Answer: BSI has not proposed for constructing Eco-Parks hence details are not available.



स्पीड पोस्ट / SPEED POST



भारत सरकार
GOVERNMENT OF INDIA
पर्यावरण, वन एवं जलवायु परिवर्तन मंत्रालय
MINISTRY OF ENVIRONMENT, FOREST & CLIMATE
CHANGE

भारतीय वनस्पति सर्वेक्षण / BOTANICAL SURVEY OF INDIA
सी.जी.ओ. कॉम्प्लेक्स / CGO COMPLEX
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Tel.: (033) 2321 4050 [Tech. Section] ; E-mail: tech@bsi.gov.in

फाइल संख्या/ File No.: BSI-286/1 (Parl.) / 2021 -Tech.

दिनांक/Date : 18th July, 2023

सेवा में / To

The Secretary
Ministry of Environment, Forest and Climate Change
Indira Paryavaran Bhawan, Jor Bagh Road
New Delhi - 110003

(Kind attention: Ms. Geeta Bhatnagar, Under Secretary, MoEF&CC, New Delhi)

विषय/Sub: Rajya Sabha Starred/Unstarred Diary No. S392 (ecosystem approaches for the conservation of biodiversity) - reg

संदर्भ/ Ref: Rajya Sabha Admitted Starred/Unstarred Diary No. S392 for answer on 27.07.2023 -reg.

महोदया / Madam,

With reference to your email dated 17.07.2023 in connection to the Rajya Sabha Admitted Starred/Unstarred Diary No. S392 for answer on 27.07.2023, I am directed to furnish herewith the following information for your kind perusal and necessary action as follows:

(a) whether the Government is cognizant that biodiversity conservation requires ecosystems to be conserved and restored holistically and in an integrated manner?

Answer: Yes. There are evidences that suggest the degradation of ecosystems have resulted in increased risk of nonlinear changes in ecosystems which can have potential impacts on well beings of humans and these harmful effects of degraded ecosystems is disproportionately borne by the poor, who are directly dependent on these services and are the most vulnerable to any changes in these services. Ecosystem degradation often results in reduced capacities of ecosystems to effectively deliver critical goods and services, leaving communities dependent on them more vulnerable towards disaster risks and impacts of climate change. Therefore, maintaining healthy ecosystems is considered as a key requirement for building resilience of natural and human systems towards the impacts of disasters and climate change.

Ecosystem-based approach such as Ecosystem-based Disaster Risk Reduction (Eco-DRR) and Ecosystem-based Climate Change Adaption (EbA) advocates for sustainable management, conservation and restoration of biodiversity, ecosystems and their services. Some of the ecosystem-based management strategies and tools include environmental impact assessment tools; integrated risk and vulnerability assessments; protected area management; integrated ecosystem management tools (integrated watershed management, integrated coastal zone management, integrated forest management, sustainable dryland management etc.); and community-based natural resource management (traditional or indigenous knowledge, ecosystem-based sustainable livelihood practices etc.)

For example: Protected Area Management for Disaster Risk Reduction using traditional community knowledge: A case-study of Manas Biosphere Reserve, India:

Manas Biosphere Reserve in Assam, India, is a designated UNESCO world heritage site. It is one of the most diverse biodiversity hotspots in the country characterised by a range of forested hills, tropical evergreen forest and alluvial grassland providing critical habitats for several endangered species. The Subankhata Reserve Forest located on the eastern side of Manas Biosphere Reserve comprises of rocky terrains and course changing Himalayan Rivers and is prone to floods and soil erosions (landslides) during heavy rainfalls. The indigenous tribal community living in the biosphere reserve through an old traditional technique of

channelizing and regulating water resources (Himalayan Rivers), popularly known as Dong Bundh System, reduced soil erosion and flood risk in the region. In this technique, micro-check dams are constructed along the river using local resources such as timber, bamboo and boulders. The technique contributed significantly towards disaster risk reduction by successfully mitigating flood and landslides hazard risk (due to soil erosion) in the lower catchment areas and also ensured availability of water for drinking and irrigation purposes in the otherwise water-deficient regions; thereby, also reducing socio-economic vulnerabilities of the communities.

Example for Ecosystem-based Climate Change Adaption “Enhancing Climate Resilience of India’s Coastal Communities: A GOI-UNDP Project”:

The project aims at enhancing resilience of vulnerable coastal communities towards climate change and its impact through an integrated ecosystem centric and community-based approach for coastal management. The project is being implemented across coastal districts for the state of Andhra Pradesh, Maharashtra and Odisha. The three broad objectives of the project include: adopting a co-management approach for enhancing resilience of coastal and marine ecosystems and services; promoting climate-resilient coastal livelihood; and strengthening governance and institutional framework for integrated coastal management. The key activities undertaken during the project include:

- Conducting coastal vulnerability; developing decision-support adaptive planning tool and preparing site-specific restoration guidelines
- Community-based restoration and conservation of coastal ecosystems
- Promotion of climate-resilient livelihoods and enterprises; strengthening market-linkages
- Improving local capacities for supporting climate-adaptive livelihoods through awareness on climate change and impacts, role of ecosystem; building and strengthening village-level capacities.
- Conducting training on climate-adaptive agriculture and aquaculture for communities and knowledge exchange programmes; providing financial and technical support to communities for up taking these practice
- Developing network of institutions/organisations for promoting knowledge exchange

(b) if so, the details of the initiatives that proposed to be taken by the government keeping in mind that ‘ecosystem approaches’ for conservation of biodiversity need to be adopted rather than nature based solutions. ;

Answer: In India, there are several national policies, plans and strategies which support the mainstreaming of ecosystem-based approaches for biodiversity conservation. These approaches are often implemented within broader strategies across different policy issues. For example, there are policies related to environment, climate change, disaster management and sectoral development which have direct and indirect references to these approaches.

Several climate change adaptation strategies were directly related to biodiversity conservation. These included increased expanse of Protected Areas, restoration of existing Protected Areas and other degraded sites, protection of movement corridors and monitoring and revival of ecosystem functions. Under the Biological Diversity Act 2002, the National Biodiversity Authority has been established, and State Biodiversity Boards and Biodiversity Management Committees for monitoring at local levels. The Scheduled Tribes and Other Traditional Forest Dwellers (Recognition of Forest Rights) Act, legitimizing the rights of forest-dwellers to land and other resources was instituted in 2006.

The NAPCC is the foundational climate policy in India, released in 2008 reflects the country’s vision of environmentally sustainable development. The eight missions that form the core of NAPCC are: National Solar Mission, National Mission for Enhanced Energy Efficiency (NMEEE), National Mission for Sustainable Habitat, National Water Mission, National Mission for Strategic Knowledge on Climate Change, National Mission for Sustainable Agriculture, National Mission for Green India and National Mission for Sustaining the Himalayan Ecosystem (NMSHE). These missions represent the multi-dimensional integrated long-term strategy advocated by national action plan for achieving key objectives in context of climate change while advancing overall development including biodiversity conservation.

Some of the ecosystem approaches’ for conservation of biodiversity:

National Mission for Green India: This mission focusses on multiple ecosystem services including biodiversity, water, biomass, conserving mangroves, wetlands and other important habitats along with carbon sequestration as co-benefit. Thus establishing a holistic view of greening mission set out target for each of the following activities:

Enhanced and increased forest cover and ecosystem services through adoption of Ecorestoration. Afforestation, agroforestry and social forestry for enhanced tree cover in urban and periurban areas. Restoration of wetlands and enhancing their ecosystem services, etc.

National Mission for sustaining the Himalayan ecosystem: This mission attempts to address the following issues related to biodiversity along with other objectives. Biodiversity conservation and protection (promoting plantation of native/endemic species). Wildlife conservation and protection. Traditional knowledge of the societies and their livelihoods. Issues related to sustenance of Himalayan ecosystem.

Mangrove Initiative for Shoreline Habitats & Tangible Incomes (MISHTI)) envisage to comprehensively explore the possible area for development of Mangroves covering approximately 540 Sq. Kms. spreading across 11 States and 2 Union Territories during five years commencing FY 2023-24 onwards. The sharing of best practices on plantation techniques, conservation measures, management practices and resources mobilization through Public Private Partnership are objectives of the MISHTI scheme.

Anrit Dharohar scheme encompass promoting the unique conservation values of wetlands including their optimal use for enhancing biodiversity, carbon stock, ecotourism opportunities and income generation for local communities. The objectives inter-alia are integrated management of such wetlands for green growth, developing nature and culture-based tourism at the sites, community stewardship for wetland based livelihood, heritage, and culture, building convergence with different Ministries and departments, State Governments, Research and academic institutions and Industrial Sector, over the next three years across the country.

References:

Bhardwaj, S. & Gupta, A.K.2021. Ecosystem based approaches and Policy perspectives in India. In: M. Mukherjee and R. Shaw (eds.), Ecosystem-Based Disaster and Climate Resilience, Disaster and Risk Research: GADRI Book Series, https://doi.org/10.1007/978-981-16-4815-1_5.

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MEA (2005) Millennium ecosystem assessment: ecosystems and human well-being: synthesis. Island Press, Washington, DC.

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Munang R, Thiaw I, Alverson K, Liu J, Han Z (2013) The role of ecosystem services in climate change adaptation and disaster risk reduction. Curr Opin Environ Sustain: 47-52.

This issues with the approval of Director, Botanical Survey of India.

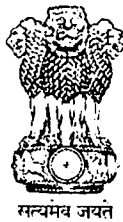
सधन्यवाद/ Thanking you,

भवदीय/Yours sincerely


(एस. एस. दाश / S. S. Dash)
वैज्ञानिक ई/ Scientist 'E'
(प्रभारी, तकनीकी अनुभाग / In-charge, Tech. Section)

1335
प्रेषित / DESPATCHED
2017/23

TECHNICAL SECTION
DISPATCHED
No. T- 433
Date : 18.07.2023



DRAFT



भारत सरकार
GOVERNMENT OF INDIA
पर्यावरण, वन एवं जलवायु परिवर्तन मंत्रालय
MINISTRY OF ENVIRONMENT, FOREST & CLIMATE
CHANGE

भारतीय वनस्पति सर्वेक्षण / BOTANICAL SURVEY OF INDIA
सी.जी.ओ. कॉम्प्लेक्स / CGO COMPLEX
तृतीय एम. एस. भवन / 3RD MSO BUILDING
पाँचवौं और छठा तल / 5TH & 6TH FLOOR
डी एफ ब्लॉक, सेक्टर-६४ / DF BLOCK, SECTOR I
साल्टलेक, कोलकाता-६४ / SALT LAKE, KOLKATA - 700064
Tel.: (033) 2321 4050 [Tech. Section] ; E-mail: tech@bsi.gov.in

फाइल संख्या/ File No.: BSI-286/1 (Parl.) / 2021 -Tech.

दिनांक/Date : 18th July, 2023

सेवा में / To

The Secretary
Ministry of Environment, Forest and Climate Change
Indira Paryavaran Bhawan, Jor Bagh Road
New Delhi - 110003

(Kind attention: Ms. Geeta Bhatnagar, Under Secretary, MoEF&CC, New Delhi)

विषय/Sub: Rajya Sabha Starred/Unstarred Diary No. S392 (ecosystem approaches for the conservation of biodiversity) - reg

संदर्भ/ Ref: Rajya Sabha Admitted Starred/Unstarred Diary No. S392 for answer on 27.07.2023 -reg.

महोदया / Madam,

With reference to your email dated 17.07.2023 in connection to the Rajya Sabha Admitted Starred/Unstarred Diary No. S392 for answer on 27.07.2023, I am directed to furnish herewith the following information for your kind perusal and necessary action as follows:

(a) whether the Government is cognizant that biodiversity conservation requires ecosystems to be conserved and restored holistically and in an integrated manner?

Answer: Yes, ~~For example,~~ there are evidences that suggest the degradation of ecosystems have resulted in increased risk of nonlinear changes in ecosystems which can have potential impacts on well beings of humans and these harmful effects of degraded ecosystems is disproportionately borne by the poor, who are directly dependent on these services and are the most vulnerable to any changes in these services. Ecosystem degradation often results in reduced capacities of ecosystems to effectively deliver critical goods and services, leaving communities dependent on them more vulnerable towards disaster risks and impacts of climate change. Therefore, maintaining healthy ecosystems is considered as a key requirement for building resilience of natural and human systems towards the impacts of disasters and climate change.

Ecosystem-based approach such as Ecosystem-based Disaster Risk Reduction (Eco-DRR) and Ecosystem-based Climate Change Adaption (EbA) advocates for sustainable management, conservation and restoration of biodiversity, ecosystems and their services. Some of the ecosystem-based management strategies and tools include environmental impact assessment tools; integrated risk and vulnerability assessments; protected area management; integrated ecosystem management tools (integrated watershed management, integrated coastal zone management, integrated forest management, sustainable dryland management etc.); and community-based natural resource management (traditional or indigenous knowledge, ecosystem-based sustainable livelihood practices etc.)

For example: Protected Area Management for Disaster Risk Reduction using traditional community knowledge: A case-study of Manas Biosphere Reserve, India:

Manas Biosphere Reserve in Assam, India, is a designated UNESCO world heritage site. It is one of the most diverse biodiversity hotspots in the country characterised by a range of forested hills, tropical evergreen forest and alluvial grassland providing critical habitats for several endangered species. The Subankhata Reserve Forest located on the eastern side of Manas Biosphere Reserve comprises of rocky terrains and course changing Himalayan Rivers and is prone to floods and soil erosions (landslides) during heavy rainfalls. The indigenous tribal community living in the biosphere reserve through an old traditional technique of

channelizing and regulating water resources (Himalayan Rivers), popularly known as Dong Bundh System, reduced soil erosion and flood risk in the region. In this technique, micro-check dams are constructed along the river using local resources such as timber, bamboo and boulders. The technique contributed significantly towards disaster risk reduction by successfully mitigating flood and landslides hazard risk (due to soil erosion) in the lower catchment areas and also ensured availability of water for drinking and irrigation purposes in the otherwise water-deficient regions; thereby, also reducing socio-economic vulnerabilities of the communities.

Example for Ecosystem-based Climate Change Adaption “Enhancing Climate Resilience of India’s Coastal Communities: A GOI-UNDP Project”:

The project aims at enhancing resilience of vulnerable coastal communities towards climate change and its impact through an integrated ecosystem centric and community-based approach for coastal management. The project is being implemented across coastal districts for the state of Andhra Pradesh, Maharashtra and Odisha. The three broad objectives of the project include: adopting a co-management approach for enhancing resilience of coastal and marine ecosystems and services; promoting climate-resilient coastal livelihood; and strengthening governance and institutional framework for integrated coastal management. The key activities undertaken during the project include:

- Conducting coastal vulnerability; developing decision-support adaptive planning tool and preparing site-specific restoration guidelines
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- Conducting training on climate-adaptive agriculture and aquaculture for communities and knowledge exchange programmes; providing financial and technical support to communities for up taking these practice
- Developing network of institutions/organisations for promoting knowledge exchange

(b) if so, the details of the initiatives that proposed to be taken by the government keeping in mind that ‘ecosystem approaches’ for conservation of biodiversity need to be adopted rather than nature based solutions. ;

Answer: In India, there are several national policies, plans and strategies which support the mainstreaming of ecosystem-based approaches for biodiversity conservation. These approaches are often implemented within broader strategies across different policy issues. For example, there are policies related to environment, climate change, disaster management and sectoral development which have direct and indirect references to these approaches.

Several climate change adaptation strategies were directly related to biodiversity conservation. These included increased expanse of Protected Areas, restoration of existing Protected Areas and other degraded sites, protection of movement corridors and monitoring and revival of ecosystem functions. Under the Biological Diversity Act 2002, the National Biodiversity Authority has been established, and State Biodiversity Boards and Biodiversity Management Committees for monitoring at local levels. The Scheduled Tribes and Other Traditional Forest Dwellers (Recognition of Forest Rights) Act, legitimizing the rights of forest-dwellers to land and other resources was instituted in 2006.

The NAPCC is the foundational climate policy in India, released in 2008 reflects the country’s vision of environmentally sustainable development. The eight missions that form the core of NAPCC are: National Solar Mission, National Mission for Enhanced Energy Efficiency (NMEEE), National Mission for Sustainable Habitat, National Water Mission, National Mission for Strategic Knowledge on Climate Change, National Mission for Sustainable Agriculture, National Mission for Green India and National Mission for Sustaining the Himalayan Ecosystem (NMSHE). These missions represent the multi-dimensional integrated long-term strategy advocated by national action plan for achieving key objectives in context of climate change while advancing overall development including biodiversity conservation.

Some of the ecosystem approaches’ for conservation of biodiversity:

National Mission for Green India: This mission focusses on multiple ecosystem services including biodiversity, water, biomass, conserving mangroves, wetlands and other important habitats along with carbon sequestration as co-benefit. Thus establishing a holistic view of greening mission set out target for each of the following activities:

Enhanced and increased forest cover and ecosystem services through adoption of Ecorestoration. Afforestation, agroforestry and social forestry for enhanced tree cover in urban and periurban areas. Restoration of wetlands and enhancing their ecosystem services, etc.

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Amrit Dharohar scheme encompass promoting the unique conservation values of wetlands including their optimal use for enhancing biodiversity, carbon stock, ecotourism opportunities and income generation for local communities. The objectives inter-alia are integrated management of such wetlands for green growth, developing nature and culture-based tourism at the sites, community stewardship for wetland based livelihood, heritage, and culture, building convergence with different Ministries and departments, State Governments, Research and academic institutions and Industrial Sector, over the next three years across the country.

References:

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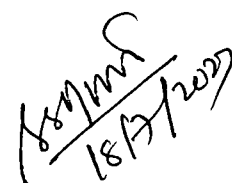
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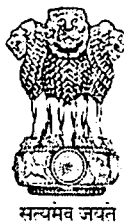
भवदीय/Yours sincerely



(एस. एस. दाश / S. S. Dash)

वैज्ञानिक ई/ Scientist 'E'

(प्रभारी, तकनीकी अनुभाग / In-charge, Tech. Section)



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Answer: Yes. There are evidences that suggest the degradation of ecosystems have resulted in increased risk of nonlinear changes in ecosystems which can have potential impacts on well beings of humans and these harmful effects of degraded ecosystems is disproportionately borne by the poor, who are directly dependent on these services and are the most vulnerable to any changes in these services. Ecosystem degradation often results in reduced capacities of ecosystems to effectively deliver critical goods and services, leaving communities dependent on them more vulnerable towards disaster risks and impacts of climate change. Therefore, maintaining healthy ecosystems is considered as a key requirement for building resilience of natural and human systems towards the impacts of disasters and climate change.

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सधन्यवाद/ Thanking you,

भवदीय/Yours sincerely

(एस. एस. दाश / S. S. Dash)

वैज्ञानिक ई/ Scientist 'E'

(प्रभारी, तकनीकी अनुभाग / In-charge, Tech. Section)

Minister of Environment, Forest & Climate Change be pleased to state:

Mon, Jul 17, 2023 10:28 AM

From: rsqs@sansad.nic.in

Subject: Will the Minister of Environment, Forest & Climate Change be pleased to state:

To: parisec-mef@nic.in

PROVISIONALLY ADMITTED QUESTION FOR THE RAJYA SABHA

Starred / Unstarred Diary No. -- S392

The Question Will be put down for -- 27/07/2023

Answer on the Ministry Department -- Environment, Forest and Climate Change(EFCC)

Will the Minister of Environment, Forest & Climate Change be pleased to state:

(a) Whether the government is cognizant that biodiversity conservation requires ecosystems to be conserved and restored holistically and in an integrated manner? (b) If so, the details of the initiatives that are proposed to be taken by the government keeping in mind that 'ecosystem approaches' for conservation of biodiversity need to be adopted rather than nature based solutions?

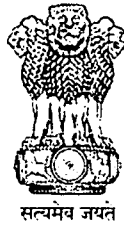
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Sincheta

MC. putup

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17/7/2023



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MINISTRY OF ENVIRONMENT, FOREST & CLIMATE
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फाइल संख्या/ File No.: BSI-286/1 (Parl.) / 2024 -Tech.

दिनांक/Date : 2.2. 2024

सेवा में / To

The Secretary

Ministry of Environment, Forest and Climate Change

Indira Paryavaran Bhawan, Jor Bagh Road

New Delhi - 110003

(Kind attention: Ms. Inka Goel, Technical Officer (F), MoEF&CC, New Delhi)

Subject: Rajya Sabha Admitted Unstarred Question Diary No. 676 for answer on 08.02.2024 regarding "Endangered and extinct plant species in Bharat"- reg.

महोदया/ Madam,

With reference to your email, dated 2nd Feb, 2024 regarding Rajya Sabha Unstarred question No. 676 for answer on "Endangered and extinct plant species in Bharat" I am directed to furnish herewith the point wise information for your kind perusal and necessary action as follows:

a) *Is it a fact that the most unwanted weeds- Lantana and Parthenium, got introduced unknowingly in Bharat by British?*

Answer: As per the reports available in various sources (Brandis 1882; Nanjappa & al., 2005; Aravind & al., 2006; Upadhyay & al., 2019), the unwanted weeds- *Lantana* introduced in India in 1809 by the British as an ornamental plant at the then Royal Botanic Garden, Calcutta, which later on invaded to different parts of the country.

Similarly, *Parthenium* also came to India with grains imported from the USA under the USPL 480 scheme, which is a food assistance program during that time. Species later on established as a natural weed in different parts of the country (Effects and Management of *Parthenium hysterophorus*: A Weed of Global Significance by Kaur & al., 2014).

b) *If so, the details thereof?*

Answer: The details of introduction and spreading is not available with BSI. However, some of the research papers reported is attached herewith for reference.

c) *Has the unwanted weeds been completely eradicated?*

Answer: No

d) *If so, the details thereof?*

Answer: Though, government has implemented many schemes for the eradication of the *Lantana* and *Parthenium*, this could not be successful because *Parthenium* became a natural weed into the country, while *Lantana* invaded the natural forest as an invasive species, as well as ornamental in different gardens.

e) *What are the top most plant species believed extinct in Bharat?*

Answer: As per the research data available, the following 18 species of plants are considered as possibly extinct as they have not been collected from wild for more than last fifty years. These are,

1. *Isoetes dixitii* Shende
2. *Isoetes samphkumarnii* L.N. Rao
3. *Selaginella cataractarum* Alston
4. *Lastreopsis wattii* (Bedd.) C. Chr.
5. *Ophiorrhiza brunonis* Wight & Arn.
6. *Ophiorrhiza caudata* C. Fischer
7. *Ophiorrhiza radicans* Gardn.
8. *Wenlandia angustifolia* Wight
9. *Sterculia khasiana* Deb
10. *Carex repanda* C.B. Clarke
11. *Eragrostis rottleri* Stapf
12. *Eriochrysis rangacharii* C.B. Clarke
13. *Dipcadi concanense* (Dalz.) Baker
14. *Dipcadi reidii* Deb & Dasgupta
15. *Urginea polyphylla* Hook. f.
16. *Corypha taliera* Roxb.
17. *Hedychium marginatum* C.B. Clarke
18. *Inula kalapani* C. B. Clarke

f) *What are the top most plant species endangered in Bharat as on date?*

Answer: The list of the threatened plants of India is attached (not in order)

g) *How are smugglers dealt with under law who are a threat to the endangered plant species?*

Answer: No information is available with BSI.

This issues with the approval of Director, Botanical Survey of India.

सधन्यवाद/ Thanking you,

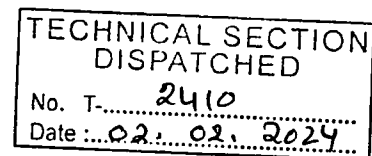
भवदीय/Yours Sincerely

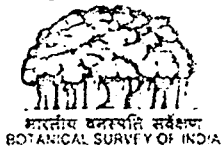
(एस. एस. दाश / S. S. Dash)

वैज्ञानिक एफ / Scientist 'F'

(प्रभारी, तकनीकी अनुभाग / In-charge, Tech. Section)

(1859)
प्रेषित / DESPATCHED
B. Mandal
05-02-24





भारत सरकार
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Subject: Rajya Sabha Admitted Unstarred Question Diary No. 676 for answer on 08.02.2024 regarding "Endangered and extinct plant species in Bharat"- reg.

महोदया/ Madam,

With reference to your email, dated 2nd Feb, 2024 regarding Rajya Sabha Unstarred question No. 676 for answer on "Endangered and extinct plant species in Bharat" I am directed to furnish herewith the point wise information for your kind perusal and necessary action as follows:

a) *Is it a fact that the most unwanted weeds- Lantana and Parthenium, got introduced unknowingly in Bharat by British?*

Answer: As per the reports available in various sources (Brandis 1882; Nanjappa & al., 2005; Aravind & al., 2006; Upadhyay & al., 2019), the unwanted weeds- *Lantana* introduced in India in 1809 by the British as an ornamental plant at the then Royal Botanic Garden, Calcutta, which later on invaded to different parts of the country.

Similarly, *Parthenium* also came to India with grains imported from the USA under the USPL 480 scheme, which is a food assistance program during that time. Species later on established as a natural weed in different parts of the country (Effects and Management of *Parthenium hysterophorus*: A Weed of Global Significance by Kaur & al., 2014).

b) *If so, the details thereof?*

Answer: The details of introduction and spreading is not available with BSI. However, some of the research papers reported is attached herewith for reference.

c) *Has the unwanted weeds been completely eradicated?*

Answer: No

d) *If so, the details thereof?*

Answer: Though, government has implemented many schemes for the eradication of the *Lantana* and *Parthenium*, this could not be successful because *Parthenium* became a natural weed into the country, while *Lantana* invaded the natural forest as an invasive species, as well as ornamental in different gardens.

e) *What are the top most plant species believed extinct in Bharat?*

Answer: As per the research data available, the following 18 species of plants are considered as possibly extinct as they have not been collected from wild for more than last fifty years. These are,

1. *Isoetes dixitii* Shende
2. *Isoetes samphkumarnii* L.N. Rao
3. *Selaginella cataractarum* Alston
4. *Lastreopsis wattii* (Bedd.) C. Chr.
5. *Ophiorrhiza brunonis* Wight & Arn.
6. *Ophiorrhiza caudata* C. Fischer
7. *Ophiorrhiza radicans* Gardn.
8. *Wenlandia angustifolia* Wight
9. *Sterculia khasiana* Deb
10. *Carex repanda* C.B. Clarke
11. *Eragrostis rottleri* Stapf
12. *Eriochrysis rangacharii* C.B. Clarke
13. *Dipcadi concanense* (Dalz.) Baker
14. *Dipcadi reidii* Deb & Dasgupta
15. *Urginea polyphylla* Hook. f.
16. *Corypha taliera* Roxb.
17. *Hedychium marginatum* C.B. Clarke
18. *Inula kalapani* C. B. Clarke

f) *What are the top most plant species endangered in Bharat as on date?*

Answer: The list of the threatened plants of India is attached (not in order)

g) *How are smugglers dealt with under law who are a threat to the endangered plant species?*

Answer: No information is available with BSI.

This issues with the approval of Director, Botanical Survey of India.

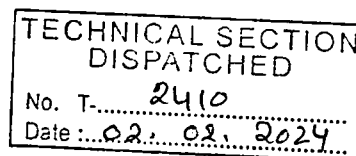
सधन्यवाद/ **Thanking you,**

भवदीय/Yours Sincerely

(एस. एस. दाश / S. S. Dash)

वैज्ञानिक एफ / Scientist 'F'

(प्रभारी, तकनीकी अनुभाग / In-charge, Tech. Section)



Email

Technical Section BSI

Rajya Sabha Unstarred question no. 676 to be answered on 08.02.2023**From :** Inka Goel <goel.inka@gov.in>

Fri, Feb 02, 2024 10:55 AM

Subject : Rajya Sabha Unstarred question no. 676 to be answered on 08.02.2023

1 attachment

To : Technical Section BSI <tech@bsi.gov.in>

Sneha
PS putup
Synder
2/2/24

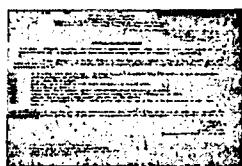
Sir,

This question has been admitted as Rajya Sabha Unstarred question no. 676 to be answered on 08.02.2023. Pl give reply by today afternoon.

Thanks & Regards,

Inka Goel

Technical Officer, Gr-I (F)

**WhatsApp Image 2024-02-02 at 10.40.40.jpeg**

159 KB

MOST URGENT
PARLIAMENT MATTER

No.3-1/2024 - NAEB
Government of India
Ministry of Environment, Forest & Climate Change
National Afforestation & Eco-Development Board

7th Floor, Pt. Deendayal Antyodaya Bhawan,
CGO Complex, Lodi Road
New Delhi -110 003.
Dated: 29/01/2024

Office Memorandum

Subject: Rajya Sabha Starred/Unstarred Dairy No. U622 due for answer on 08/02/2024 on "Endangered and extinct plant species in Bharat" – regarding Sir,

I am directed to refer Rajya Sabha Starred/Unstarred Dairy No. U622 due for answer on 08/02/2024 on "Endangered and extinct plant species in Bharat" text of which is reproduced below :

- (a) is it a fact that the most unwanted weeds – Lantana and Parthenium, got introduced unknowingly in Bharat by British?
- (b) if so details thereof;
- (c) has the unwanted weeds been completely eradicated?
- (d) if so details thereof;
- (e) what are the topmost plant species believed extinct in Bharat?
- (f) what are the topmost plant species endangered in Bharat as on date ?
- (g) efforts to preserve the plant species of the above
- (h) how are smugglers dealt with under law who are a threat to the endangered plant species?

It is requested that the requisite information for reply of the above question may kindly be **ded latest by 30/01/2024 at 12:00 pm.** through email ID igf.naeb@gov.in or orl54.ifs@nic.in

Inka
29/1/24

(Inka Goel)

Technical Officer (Forestry)

- (i) The DG ICFRE, Dehradun
- (ii) PPS to CEO CAMPA, MoEF&CC
- (iii) The DIGF, FPD Division, MOEF&CC
- (iv) The Director BSI

Email

Reply from Dr. K.S. Dogra, HNWHR, Solan
Technical Section BSI**Re: URGENT: Comments on Rajya Sabha Unstarred question no. 676 to be answered on 08.02.2023****From :** dograks6@gmail.com

Fri, Feb 02, 2024 04:44 PM

Subject : Re: URGENT: Comments on Rajya Sabha Unstarred question no. 676 to be answered on 08.02.2023

1 attachment

To : Technical Section BSI <tech@bsi.gov.in>**Cc :** bsisolan2019@gmail.com, dograks6@gmail.com, skyadavbsic@gmail.com

Sir,

Please find attached Comments on Rajya Sabha Unstarred question no. 676 for your further perusal.

With Regards,**Kuldip S. Dogra** (Scientist- E)*M.Phil. Ph.D. PDF (Ecology & Plant Taxonomy)***Botanical Survey of India**

(Ministry of Environment, Forest & Climate Change, Govt. of India)

High Altitude Western Himalayan Regional Centre, UHF, Nauni Campus, Solan-173230 (H.P.)**Mobile:** 91-9891718279; 91-9459170683**E.mail.** dograks6@gmail.com; kdsingh@bsi.gov.in*Let us live in Harmony with Nature and Keep our Planet Earth Neat, Clean and Green*On Fri, Feb 2, 2024 at 1:42 PM Technical Section BSI <tech@bsi.gov.in> wrote:

Sir,

With reference to the subject mentioned above, I am directed to send herewith a parliamentary Question on *Lantana* and *Parthenium*, which may please be perused and the necessary comments may please be provided in the return mail by **3 pm today positively**.

This may be treated as URGENT please.

Thanking You,

With regards,

Dr. Sudhir Yadav

Botanist, HQ

.....
Technical Section
Botanical Survey of India, HQ

Salt Lake City, Kolkata - 700 064

Emails: tech@bsi.gov.in ; tech.bsi2021@gmail.com



 **Answer Parliament Query Answer 2.2.2024.docx**
23 KB

Parliament Query Answer

Question: Rajya Sabha Starred/Unstarred Dairy No. U622

(Endangered and Extinct Plant Species in Bharat)

- (a) Is it a fact that the most unwanted weeds- *Lantana camara* L. and *Parthenium hysterophorus* L. got introduced unknowingly in Bharat by British?

Answer: Yes.

- (b) Details as under:

1. The tropical South American Shrub *Lantana camara* L. was introduced in India in 1908 at Indian Botanic Garden now AJCB Botanic Garden, Kolkata for its ornamental value. But later it was escaped in the wild and within no time it spreads throughout India. It is now among the 10 worst invasive plant species of the World (GISDP, 2021) and in India it is the number one worst invasive plant species which invaded almost every diverse terrestrial habitat including scrublands and forests.

2. Secondly, another tropical South American herbaceous plant species *Parthenium hysterophorus* L. is a good example of accidental introduction in India through the imported wheat grains from South America in 1956. It is a worst urban area invasive alien plant species in India and has allergic effects on the health of the human beings.

Invasive alien plant species now occur on every continent on earth, including the remote and hostile ecosystems of Antarctica. The effect of climate change in the 21st century around the globe also contributed towards the establishment of IAPS in wide variety of habitats, landscapes and areas.

How can alien invasive plant species established in the alien environments?

The IAPS have some specific characteristic traits which tend to give them edge to establish under the alien conditions over the native vegetation or flora. These species are mostly reproducing through sexual as well as vegetatively. They produce large number of seeds which are light in weight and easily dispersed from one place to other up-to longer distances. The seeds of these species have large germination potential under variety of environmental conditions and they easily colonize in the degraded habitats. The IAPS have also shorter life cycles and even some species completed two to three life cycles in a year and produces an enormous number of seeds. The similarities between the native and invaded climatic as well as environmental conditions also play vital role in their establishment and that make such ecosystems and habitats to more susceptible for invasion. The tropical and sub-tropical part of India has similar climatic and environmental conditions as of tropical America and Africa. Due to this many species from America and Africa invaded in India and established quickly in different habitats in India. *Lantana camara* L., *Ageratum conyzoides* (L.) L. and *Parthenium hysterophorus* L. are examples of such invasive alien plant species in India from tropical America. Currently at this pace of plant invasion the half of India's geographical area could be at risk of being occupied by invasive species by year 2050. The areas with fewer plant species also tend to be more vulnerable to invasion.

The far most reason for the spread of invasive alien plant species that they possess some remarkable traits like polyploidy and having a small amount of nuclear DNA which help in their quick multiplication and adaption in the invaded habitats. Many invasive show 'phenotypic plasticity' the ability to adapt to new physical conditions in the habitats

that they have invaded. Often, human-caused disturbances including roads and livestock grazing- in its new environment also aids the establishment and spread of alien invasive. A study by scientists in the Valparai plateau of the Southern-Western Ghats in 2015 showed that densities of the invasive species *Chromolaena odorata*, *Lantana camara* and *Maesopsis eminii* (introduced as a plantation tree in the area) were influenced by the history and extent of human disturbance in the native rainforests here.

CHARACTERISTICS OF INVASIVE SPECIES:

Invasive species possess following characteristics by which they become successful colonizers in the new areas/habitats:

1. Perenniality
2. Quick growth
3. Early flowering
4. Self-compatibility
5. Germination in wide range of conditions
6. Vegetative reproduction
7. Good seed dispersal
8. Good competitive ability

(c) have the unwanted weeds been completely eradicated?

Answer: No

(d) if so details thereof; N.A.

(e) What are the topmost plant species believed extinct in Bharat?

Answer: According to Botanical Survey of India 7 species are extinct and two species are extinct in wild. (*Cynometra beddomei* Prain- Fabaceae; *Hopea shingkeng* (Dunn) Bor- Dipterocarpaceae; *Ilex gardneriana*- Wight- Aquifoliaceae; *Sterculia khasiana* Debb. Ex Biswas- Malvaceae; *Corypha taliera* Roxb.- Arecaceae; *Euphorbia antiquorum* L. - Euphorbiaceae)

(f) What are the topmost plant species endangered in Bharat as on date?

Answer: According to Botanical Survey of India, about 45 species are critically endangered, 113 species are endangered, 89 species vulnerable.

(g) Efforts to preserve the plant species of the above?

Answer: MOEF&CC providing financial assistance to various institute to open Botanic Gardens in different phytogeographical regions of India as a place of *Ex-situ* conservation of ETT species through Botanical Survey of India, Kolkata (W.B.).

(h) How are smugglers delt with under law who are a threat to the endangered plant species?

Answer: These are delt under the Wild Life Protection Act, 1972 of MOEF&CC, Government of India. The Act was last amended in the year 2006.

Compiled by

(Kuldip S. Dogra)

Scientist-E

BSI, HAWHRC, Solan

Re: Rajya Sabha Unstarred question no. 676 to be answered on 08.02.2023**From :** Technical Section BSI <tech@bsi.gov.in>

Fri, Feb 02, 2024 04:52 PM

Subject : Re: Rajya Sabha Unstarred question no. 676 to be answered on 08.02.2023 6 attachments**To :** Inka Goel <goel.inka@gov.in>, sobsi2012
<sobsi2012@gmail.com>, GEETA BHATNAGAR
<geeta.bhatnagar@nic.in>**Cc :** Ashiho Asosii <aamao@bsi.gov.in>, Dr Sudhansu
Sekhar Dash <ssdash@bsi.gov.in>

Madam,

With reference to the subject mentioned above, I am directed to send herewith reply from BSI for your kind perusal.

The signed copy of the letter and relevant references are also attached herewith, which may kindly be perused.

Thanking You,

With regards,
Dr. Sudhir Yadav
Botanist, HQ

Technical Section**Botanical Survey of India, HQ****Salt Lake City, Kolkata - 700 064**

Emails: tech@bsi.gov.in ; tech.bsi2021@gmail.com

From: "Inka Goel" <goel.inka@gov.in>**To:** "Technical Section BSI" <tech@bsi.gov.in>**Sent:** Friday, February 2, 2024 10:56:15 AM**Subject:** Rajya Sabha Unstarred question no. 676 to be answered on 08.02.2023

Sir,

This question has been admitted as Rajya Sabha Unstarred question no. 676 to be answered on 08.02.2023. Pl give reply by today afternoon.

Thanks & Regards,

Inka Goel

Technical Officer, Gr-I (F)



— **BSI reply on Parl. Quest.docx**

195 KB

— **Parliament Q No.676.pdf**

126 KB

— **Lantana in India from Britain -j.ecocom.2019.100793.pdf**

3 MB

— **Lantana invasion threatens 40 percent of India's tiger habitat, reports study.pdf**

5 MB

— **Parthenium -invasion - USA.pdf**

2 MB

— **Parliament Q No.676.pdf**

126 KB

From : Inka Goel <goel.inka@gov.in>

Fri, Feb 02, 2024 10:55 AM

Subject : Rajya Sabha Unstarred question no. 676 to be answered on 08.02.2023

1 attachment

To : Technical Section BSI <tech@bsi.gov.in>

Sir,

This question has been admitted as Rajya Sabha Unstarred question no. 676 to be answered on 08.02.2023. Pl give reply by today afternoon.

Thanks & Regards,

Inka Goel

Technical Officer, Gr-I (F)



**Re: Rajya Sabha Unstarred question no. 676 to be answered on 08.02.2023****From :** Technical Section BSI <tech@bsi.gov.in>

Fri, Feb 02, 2024 04:55 PM

Subject : Re: Rajya Sabha Unstarred question no. 676 to be answered on 08.02.2023

1 attachment

To : Inka Goel <goel.inka@gov.in>, sobsi2012 <sobsi2012@gmail.com>, GEETA BHATNAGAR <geeta.bhatnagar@nic.in>**Cc :** Ashiho Asosii <aamao@bsi.gov.in>, Dr Sudhansu Sekhar Dash <ssdash@bsi.gov.in>

Madam,

In continuation on the previous mail, an annexure on Threatened Plants of India is also attached herewith, which may kindly be perused.

Thanking You,

With regards,
Dr. Sudhir Yadav
Botanist, HQ

Technical Section**Botanical Survey of India, HQ****Salt Lake City, Kolkata - 700 064**

Emails: tech@bsi.gov.in ; tech.bsi2021@gmail.com

From: "Technical Section BSI" <tech@bsi.gov.in>**To:** "Inka Goel" <goel.inka@gov.in>, "sobsi2012" <sobsi2012@gmail.com>, "GEETA BHATNAGAR" <geeta.bhatnagar@nic.in>**Cc:** "Ashiho Asosii" <aamao@bsi.gov.in>, "Dr Sudhansu Sekhar Dash" <ssdash@bsi.gov.in>**Sent:** Friday, February 2, 2024 4:52:16 PM**Subject:** Re: Rajya Sabha Unstarred question no. 676 to be answered on 08.02.2023

Madam,

With reference to the subject mentioned above, I am directed to send herewith reply from BSI for your kind perusal.

The signed copy of the letter and relevant references are also attached herewith, which may kindly be perused.

Thanking You,

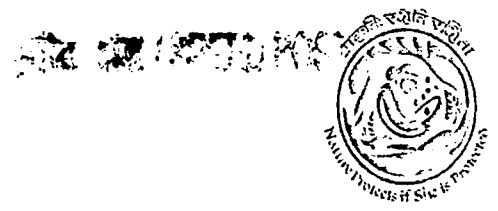
With regards,
Dr. Sudhir Yadav
Botanist, HQ



EW 402965162 IN



सत्यमेव जयते



भारतसरकार
GOVERNMENT OF INDIA
पर्यावरण, वन एवं जलवायु परिवर्तन मंत्रालय
MINISTRY OF ENVIRONMENT, FOREST & CLIMATE CHANGE

भारतीय वनस्पतिसर्वेक्षण/BOTANICAL SURVEY OF INDIA
सी.जी.ओ. कॉम्प्लेक्स/CGO COMPLEX
तृतीय एम. एस.ओ. भवन/3RD MSO BUILDING
पाँचवाँ और छठा तल/5TH & 6TH FLOOR
डीएफ ब्लॉक, सेक्टर १/DF BLOCK, SECTOR I
साल्ट लेक, कोलकाता-६४/SALT LAKE, KOLKATA - 700064
Tel.: (033) 2321 4050 [Tech. Section]; E-mail: tech@bsi.gov.in

फ़ाइल संख्या/ File No.: BSI-286/1 (Parl.) / 2023 -Tech.

दिनांक/Date : 12TH December, 2023

सेवामें / To

The Secretary
Ministry of Environment, Forest and Climate Change
Indira Paryavaran Bhawan, Jor Bagh Road
New Delhi - 110003

(Kind attention: Ms. Geeta Bhatnagar, Under Secretary (CS-II), MoEF&CC, New Delhi)

Subject: Lok Sabha Admitted Unstarred Question No. 2300 for answer on 15.12.2023 regarding "Farming and Preservation of Medicinal plants"– reg.

महोदया/ Madam,

With reference to the email received on 11.12.2023 vide letter no. H-11016/26/2023-24-NMPB-II dated 11.12.2023, due for answer on 12.12.2023 regarding "Farming and Preservation of Medicinal plants", I am directed to inform that the parliamentary questions sought under the Lok Sabha Unstarred Question Diary No. 2300 does not pertain to BSI. Therefore, the reply from the BSI may be treated as NIL.

This issues with the approval of Director, Botanical Survey of India.
धन्यवाद/ Thanking you,

भवदीय/Yours sincerely

(Signature)
11/12/2023

(एस. एस. दाश / S. S. Dash)

वैज्ञानिक एफ/ Scientist 'F'

(प्रभारी, तकनीकी अनुभाग / In-charge, Tech. Section)

Copy to:

Deputy Adviser (MPs), National Medicinal Plant Board, 1st Floor, IRCS, Annexe Building, Near Indian Red Cross Society, Red Cross Road, New Delhi - 110001 (Email: info-nmpb@nic.in ; kavita.tvagi@nic.in) for information.

Email

Parliament File

Technical Section BSI



Re: Lok Sabha Admitted Unstarred Question No. 2300 for answer on 15.12.2023 regarding "Farming and Preservation of Medicinal plants" asked by SHRI T.N. PRATHAPAN – reg.

From : Technical Section BSI <tech@bsi.gov.in> Tue, Dec 12, 2023 11:42 AM
Subject : Re: Lok Sabha Admitted Unstarred Question No. 2300 for answer on 15.12.2023 regarding "Farming and Preservation of Medicinal plants" asked by SHRI T.N. PRATHAPAN – reg. 📎 1 attachment
To : Ministry of AYUSH <info-nmpb@nic.in>, sobsi2012 <sobsi2012@gmail.com>, Dr. Priti Singh <priti.singh@gov.in>, kavita tyagi <kavita.tyagi@nic.in>
Cc : Dr Sudhansu Sekhar Dash <ssdash@bsi.gov.in>, Ashiho Asosii <aamao@bsi.gov.in>

महोदया/ Madam,

With reference to the email received on 11.12.2023 *vide* letter no. H-11016/26/2023-24-NMPB-II dated 11.12.2023, due for answer on 12.12.2023 regarding "**Farming and Preservation of Medicinal plants**", I am directed to inform that the parliamentary questions sought under the **Lok Sabha Unstarred Question Diary No. 2300** does not pertain to BSI. Therefore, the reply from the BSI may be treated as **NIL**.

धन्यवाद/ Thanking you,

.....
Technical Section

Botanical Survey of India, HQ
Salt Lake City, Kolkata - 700 064

Emails: *tech@bsi.gov.in* ; *tech.bsi2021@gmail.com*

From: "Dr. Priti Singh" <priti.singh@gov.in>
To: "Technical Section BSI" <tech@bsi.gov.in>, "Dr Sudhansu Sekhar Dash" <ssdash@bsi.gov.in>, "Ashiho Asosii" <aamao@bsi.gov.in>
Cc: "Ved Prakash Mishra" <mishra.vp@gov.in>, "kavita tyagi" <kavita.tyagi@nic.in>
Sent: Monday, December 11, 2023 1:48:24 PM
Subject: Fwd: Lok Sabha Admitted Unstarred Question No. 2300 for answer on 15.12.2023 regarding "Farming and Preservation of Medicinal plants" asked by SHRI T.N. PRATHAPAN – reg.

Sir,

Kindly refer to trailing mail from Ministry of Ayush regarding Parliament Question. BSI is requested to kindly provide directly to Ministry of Ayush under intimation to this Ministry.

Email

Technical Section BSI

Fwd: Lok Sabha Admitted Unstarred Question No. 2300 for answer on 15.12.2023 regarding "Farming and Preservation of Medicinal plants" asked by SHRI T.N. PRATHAPAN – reg.

From : Dr. Priti Singh <priti.singh@gov.in>
Subject : Fwd: Lok Sabha Admitted Unstarred Question No. 2300 for answer on 15.12.2023 regarding "Farming and Preservation of Medicinal plants" asked by SHRI T.N. PRATHAPAN – reg.
To : Technical Section BSI <tech@bsi.gov.in>, Dr Sudhansu Sekhar Dash <ssdash@bsi.gov.in>, Ashiho Asosii <aamao@bsi.gov.in>
Cc : Ved Prakash Mishra <mishra.vp@gov.in>, kavita tyagi <kavita.tyagi@nic.in>

Mon, Dec 11, 2023 01:49 PM

1 attachment

Sabharwal/Sandhu
(mm)
11/12/2023

Sir,

Kindly refer to trailing mail from Ministry of Ayush regarding Parliament Question. BSI is requested to kindly provide directly to Ministry of Ayush under intimation to this Ministry.

From: "Parliament Section" <parlsec-mef@nic.in>
To: "Ved Prakash Mishra" <mishra.vp@gov.in>, "Dr. Priti Singh" <priti.singh@gov.in>
Cc: "Abhimanyu Kumar Sharma" <ak.sharma79@nic.in>
Sent: Monday, December 11, 2023 1:06:39 PM
Subject: Fwd: Lok Sabha Admitted Unstarred Question No. 2300 for answer on 15.12.2023 regarding "Farming and Preservation of Medicinal plants" asked by SHRI T.N. PRATHAPAN – reg.

TECHNICAL SECTION, OFFICE OF DIRECTOR, BSI,	
Dy. No.	T-103
Date	11.12.2023

From: "kavita tyagi" <kavita.tyagi@nic.in>
To: "Shubha Thakur" <sthakur@nic.in>, "pqdac.krishi" <pqdac.krishi@nic.in>, "SOMANATH AGASIMANI" <drsomanath.agasimani@gov.in>, "Raj Pal" <rpsingh.15863@gov.in>, midhaap@gmail.com, "Manoj Kumar" <manojias2008@nic.in>, "harit shakya" <harit.shakya@nic.in>, midhaab@gmail.com, "KEDARNATH VERMA" <kn.verma@nic.in>, "Mrityunjaya Kumar Mishra" <mrityunjaya.m@nic.in>, "tech bsi 2021" <tech.bsi.2021@gmail.com>, "Technical Section BSI" <tech@bsi.gov.in>, "Rabinarayan Acharya" <dg-ccras@nic.in>, dgccrs@hotmail.com, ccrcschennai@gmail.com, "Parliament Section" <parlsec-mef@nic.in>, rfcnorth@gmail.com, inchargeismhp@gmail.com, "100rabh nmpb" <100rabh.nmpb@gmail.com>, sheikhibilala@gmail.com, "rcfcdirector jbp" <rcfcdirector.jbp@gmail.com>, "rcfc sfri817" <rcfc_sfri817@rediffmail.com>, rfcncmpb@jadavpuruniversity.in, rdrcfc@jadavpuruniversity.in, rfc southern@gmail.com, "c konnathuchacko" <c.konnathuchacko@gmail.com>, "rcfc wr sppu" <rcfc.wr.sppu@gmail.com>, parimalsai@gmail.com, dnmokat@unipune.ac.in, ccrh@del3.vsnl.net.in
Sent: Monday, December 11, 2023 1:03:17 PM
Subject: Lok Sabha Admitted Unstarred Question No. 2300 for answer on 15.12.2023

regarding "Farming and Preservation of Medicinal plants" asked by SHRI T.N. PRATHAPAN – reg.

Sir / Madam,

Kindly find the attachment regarding the subject cited above and furnish the information latest by 12.12.2023 (11.00 A.M.)

With regards,

Dr. Kavita Tyagi,
Sr. Consultant,
National Medicinal Plants Board,
Ministry of Ayush



 **OM LSQ 2300 for 15.12.23.pdf**
636 KB

F. No. H-11016/26/2023-24-NMPB-II
Government of India
Ministry of Ayush
National Medicinal Plants Board (NMPB)

1st & 2nd Floor, Annexe Building,
Near Indian Red Cross Society,
Red Cross Road, New Delhi – 110001
E-mail: kavita.tyagi@nic.in
Dated: 11th December, 2023

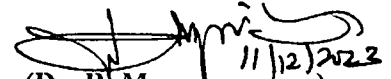
OFFICE MEMORANDUM

Subject: Lok Sabha Admitted Unstarred Question No. 2300 for answer on 15.12.2023 regarding “Farming and Preservation of Medicinal plants” asked by SHRI T.N. PRATHAPAN – reg.

The undersigned is directed to refer to the above said Lok Sabha Unstarred Question No. 2300 for answer on 15.12.2023 reproduced hereunder:

- (a) whether the Government has implemented any schemes to support and promote the farming of medicinal plants in the country and if so, the details thereof;
- (b) whether the Government has identified the potential of medicinal gardens/farms in the country to be promoted and supported and if so, the details thereof, State/UT-wise;
- (c) whether the Government provides financial support for medicinal farming and if so, the details thereof;
- (d) whether the Government has conducted any research for exploring/preserving medicinal plants mentioned in ancient/old scripts and texts and if so, the details thereof; and
- (e) whether the Government has identified rare medicinal plants only seen in the country and if so, the details thereof?

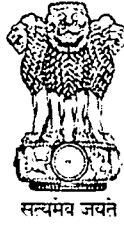
2. It is requested that part-wise reply/ information to the said question may kindly be furnished to the undersigned, in hard as well as soft copy (kavita.tyagi@nic.in) latest by 12.12.2023 (11.00 A.M.).


(Dr. R. Murugeswaran)
Deputy Adviser (MPs)

To

1. Smt. Shuba Thakur, Joint Secretary (Parliament), Ministry of Agriculture & Farmers Welfare, Krishi Bhavan, Dr. Rajendra Prasad Road, New Delhi, 110001 (Tel: 011-23383744/ 23386031 / 23386268/23389831, Email: sthakur@nic.in; pqdac.krishi@nic.in, drsomanath.agasimani@gov.in, rpsingh.15863@gov.in)
2. Director, Mission for Integrated Development of Horticulture, Ministry of Agriculture and Farmers Welfare, 248A, Krishi Bhawan, Dr. Rajendra Prasad Road, New Delhi, 110001 (Tel: 23382383, Email: midhaap@gmail.com, manojias2008@nic.in, harit.shakya@nic.in, midhaab@gmail.com, kn.verma@nic.in, mrityunjaya.m@nic.in, Tel: 011-23388795 / 23388474 / 23074238/23382383, Sh Harit Shakya, US, 23388795, 9568759661)
3. Director, Botanical Survey of India (BSI), Kolkata, West Bengal (Tel: 033-23344963, Email: tech.bsi.2021@gmail.com, tech@bsi.gov.in)
4. Director General, CCRAS, Janak Puri, New Delhi (Tel: 011-28524457 Fax: 28520748, Email: dg-ccras@nic.in)

5. Director General, CCRUM, Janak Puri, New Delhi (Tel: 28521981, 2965, Fax: 28522965, Email: unanimedicine@gmail.com)
6. Director General, CCRS, Chennai, Tamil Nadu (Tel: 044-26211621 / 26212421, Email: dgccrs@hotmail.com, ccrschennai@gmail.com)
7. Director General, CCRH, Janak Puri, New Delhi (Tel: 28521162, 5523, 5749, Fax: 28521060, Email: ccrh@del3.vsnl.net.in)
8. Mr. Rajeev Mathur, Section Officer, Parliament section, Ministry of Environment, Forests and Climate Change, Indira Paryavaran Bhawan, Jor Bagh Road, New Delhi 03 (Email: parlsec-mef@nic.in Tel: 011-24695332)
9. All desks of NMPB / SMPBs / SHMs / RCFCs /Others.



भारत सरकार
GOVERNMENT OF INDIA
पर्यावरण, वन एवं जलवायु परिवर्तन मंत्रालय
MINISTRY OF ENVIRONMENT, FOREST & CLIMATE CHANGE

भारतीय वनस्पति सर्वेक्षण / BOTANICAL SURVEY OF INDIA
सी.जी.ओ. कॉम्प्लेक्स / CGO COMPLEX
तृतीय एम. एस. ओ. भवन / 3RD MSO BUILDING
पाँचवाँ और छठा तल / 5TH & 6TH FLOOR
डी एफ ब्लॉक, सेक्टर 1 / DF BLOCK, SECTOR 1
साल्टलेक, कोलकाता-६४ / SALT LAKE, KOLKATA - 700064
Tel.: (033) 2321 4050 [Tech. Section] ; E-mail: tech@bsi.gov.in

फ़ाइल संख्या/ File No.: BSI- 286/1 (Parl.) / 2021 -Tech.

दिनांक/Date : 2nd August, 2023

सेवा में / To

The Secretary
Ministry of Environment, Forest and Climate Change
Indira Paryavaran Bhawan, Jor Bagh Road
New Delhi - 110003

(Kind attention: Dr. S. Prabhu, Scientist 'D'/ Joint Director (S), MoEF&CC, New Delhi)

Subject: Herbal Medicines - reg.

Ref: Lok Sabha un-starred Question diary No. 8441 for 07.08.2023 regarding "Herbal Medicines"-reg.

महोदया / Madam,

With reference to your email, dated 31st July, 2023 regarding Lok Sabha un-starred Question diary No. 8441 for 07.08.2023 regarding "Herbal Medicines", I am directed to furnish herewith the following information for your kind perusal and necessary action as follows:

(a) *Whether herbal medicines are found in Madhya Pradesh;*

Answer: Yes, Herbal medicines are found in Madhya Pradesh. While exploring the floristic wealth of the state, Botanical Survey of India has also documented the traditional knowledge of plants used by the local inhabitants. In this regard, BSI has documented 191 traditionally used medicinal plants, some of which are having commercial as well as economic value. The list of the plants are given in *Annexure I*.

(b) *if so the details of herbal medicines thereof; and*

Answer: The lists of the plants having medicinal uses are given in *Annexure I*.

(c) *The efforts being made for the conservation of herbal medicines?*

Answer: Botanical Survey of India makes continuous efforts to conserve the medicinal plants in its Botanic Gardens. In addition, the forest department of Govt. of Madhya Pradesh also takes efforts for rehabilitating medicinal plants of economic value in the forested areas through its working plans.

This issues with the approval of Director, Botanical Survey of India.

सधन्यवाद/ Thanking you,

भवदीय/Yours sincerely

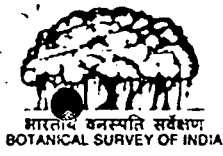
(एस. एस. दाश / S. S. Dash)

वैज्ञानिक ई/ Scientist 'E'

(प्रभारी, तकनीकी अनुभाग / In-charge, Tech. Section)

Encl: As above

TECHNICAL SECTION DISPATCHED
No. T- 636
Date : 02.08.2023



Alu



भारत सरकार
GOVERNMENT OF INDIA
पर्यावरण, वन एवं जलवायु परिवर्तन मंत्रालय
MINISTRY OF ENVIRONMENT, FOREST & CLIMATE CHANGE

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फाइल संख्या/ File No.: BSI- 286/1 (Parl.) / 2021 -Tech. / 636

दिनांक/Date : 2nd August, 2023

सेवा में / To

The Secretary
Ministry of Environment, Forest and Climate Change
Indira Paryavaran Bhawan, Jor Bagh Road
New Delhi - 110003

(Kind attention: Dr. S. Prabhu, Scientist 'D'/ Joint Director (S), MoEF&CC, New Delhi)

Subject: Herbal Medicines - reg.

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(b) *if so the details of herbal medicines thereof; and*

Answer: The lists of the plants having medicinal uses are given in *Annexure 1*.

(c) *The efforts being made for the conservation of herbal medicines?*

Answer: Botanical Survey of India makes continuous efforts to conserve the medicinal plants in its Botanic Gardens. In addition, the forest department of Govt. of Madhya Pradesh also takes efforts for rehabilitating medicinal plants of economic value in the forested areas through its working plans.

This issues with the approval of Director, Botanical Survey of India.

सधन्यवाद/ Thanking you,

भवदीय/Yours sincerely

(एस. एस. दाश / S. S. Dash)

वैज्ञानिक ई / Scientist 'E'

(प्रभारी, तकनीकी अनुभाग / In-charge, Tech. Section)

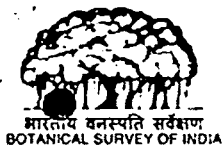
Encl: As above

Botanical name	Common name	Family	Part used
Plants with anticancer activity			
<i>Bacopa monnieri</i> Wett.	Jalbrahmi	Scrophulariaceae	Plant
<i>Cardiospermum halicacabum</i> L.	Kanphuti	Sapindaceae	Plant
<i>Cleome viscosa</i> L.	Hulhul	Capparidaceae	Plant
<i>Clerodendrum serratum</i> Spreng.	Bhargi	Verbenaceae	Root
<i>Eulophia nuda</i> Lindl.	Ambarkand	Orchidaceae	Tuber
<i>Mallotus philippinensis</i> Muell. Arg.	Kamila	Euphorbiaceae	Fruit
<i>Operculina turpethum</i> Silva Manso Enum.	Nisotha	Convolvulaceae	Root
<i>Solanum surattense</i> Burn.f.	Kateri	Solanaceae	Plant
Plants with antidiabetic activity			
<i>Cocculus hirsutus</i> L.	Jamti	Menispermaceae	Plant
<i>Kyllinga triceps</i> Rottb.	Nirbisi	Cyperaceae	Root
<i>Madhuca longifolia</i> var. <i>latifolia</i> (L.) Macbride	Madhua	Sapotaceae	Bark
<i>Pongamia pinnata</i> (L.) Merr.	Karanj	Fabaceae	Plant
Plants with antiinflammatory activity			
<i>Balanites aegyptiacas</i> Delile.	Hingot	Zygophyllaceae	Root
<i>Barleria cristata</i> L.	Jhinti	Acanthaceae	Plant
<i>Clerodendrum serratum</i> Spreng.	Barangi	Verbenaceae	Root
<i>Desmodium gangeticum</i> DC.	Shalparni	Fabaceae	Root
<i>Dregea volubilis</i> Benth.	Nakchhikni	Asclepiadaceae	Plant
<i>Euphorbia nerifolia</i> L.	Sehund	Euphorbiaceae	Plant, Leaves
<i>Girardinia zeylanica</i> Decne.	Alla, Bichua	Urticaceae	Leaves
<i>Gossypium herbaceum</i> L.	Kupas, Rui	Malvaceae	Flower
<i>Gymnema sylvestre</i> R. Br.	Merasingi	Asclepiadaceae	Plant
<i>Lepidium sativum</i> L.	Chaunsar	Cruciferae	Seed
<i>Martynia annua</i> L.	Bichu, Hathajori	Pedaliaceae	Fruit
<i>Operculina turpethum</i> (L.) Silva Manso Enum.	Nisotha	Convolvulaceae	Root
<i>Oxalis corniculata</i> L.	Clover sorrel	Oxalidaceae	Leaves
<i>Pavonia odorata</i> Willd.	Bala, Sugandhibala	Malvaceae	Root
<i>Pistia stratiotes</i> L.	Jalkhumbi	Araceae	Root
<i>Polycarpaea corymbosa</i> Lamm.	Bhisatta	Caryophyllaceae	Leaves
<i>Spilanthes acmella</i> L.	Akar kara	Asteraceae	Flower
<i>Stereospermum suaveolens</i> DC.	Padal	Bignoniaceae	Root
<i>Tectona grandis</i> L.	Sagwan	Verbenaceae	Wood
<i>Tephrosia purpurea</i> Pers.	Sarpankha	Fabaceae	Root
<i>Thespesia populnea</i> Soland.	Bhendi, Parsipur	Malvaceae	Flower
<i>Vanda tessellata</i> Hook. ex G. Don	Vanda	Orchidaceae	Root
Plants with antirheumatic activity			
<i>Alangium salvifolium</i> L. F.	Ankol, Akola	Alangiaceae	Leaves
<i>Althaea rosea</i> Cav. Diss.	-	Malvaceae	Flower
<i>Baliospermum montanum</i> Muell.	Danti	Euphorbiaceae	Root
<i>Berberis asiatica</i> Roxb.	Rasont	Berberidaceae	Plant
<i>Boerhavia diffusa</i> L.	Punarnova	Nyctaginaceae	Root
<i>Cardiospermum halicacabum</i> L.	Kanphuti	Sapindaceae	Leaves, Plant
<i>Cocculus hirsutus</i> (L.) Diels	Chireta, Jamti	Menispermaceae	Root
<i>Costus speciosus</i> Sm.	Keu	Zingiberaceae	Root
<i>Crateva nurvala</i> Ham.	Barna, Barun	Capparidaceae	Leaves
<i>Cryptolepis buchananii</i> Roem & Schult.	Dudhi	Asclepiadaceae	Leaves
<i>Cymbopogon martinii</i> (Roxb.) Wats.	Palmarosa Grass	Poaceae	Whole Plant
<i>Cynodon dactylon</i> Pers.	Dubghas	Poaceae	Plant, Rhizome

Botanical name	Common name	Family	Part used
<i>Dalbergia lanceolaria</i> L.	<i>Bithua</i>	Fabaceae	Oil
<i>Euphorbia tirucalli</i> L.	<i>Danda Thuar, Sind</i>	Euphorbiaceae	Milky Juice
<i>Ficus benghalensis</i> L.	<i>Bada</i>	Moraceae	Milky juice
<i>Holarrhena antidysenterica</i> Wall.	<i>Kurchi</i>	Apocynaceae	Plant
<i>Jatropha curcas</i> L.	<i>Safed Arand</i>	Euphorbiaceae	Seed
<i>Kydia calycina</i> Roxb.	<i>Puli, Boranga</i>	Malvaceae	Leaves
<i>Leonotis nepetifolia</i> R. Br.	<i>Hajurchei</i>	Lamiaceae	Leaves
<i>Lepidium sativum</i> L.	<i>Chaunsar, Halim</i>	Cruciferae	Seed
<i>Madhuca longifolia</i> (var. <i>latifolia</i>) (L.)	<i>Madhua</i>	Sapotaceae	Bark
Macbride			
<i>Mallotus philippensis</i> Muell. Arg.	<i>Kamila</i>	Euphorbiaceae	Root
<i>Melia azedarach</i> L.	<i>Bakain, Bakarja</i>	Meliaceae	Seed
<i>Momordica charantia</i> L.	<i>Karela</i>	Cucurbitaceae	Fruit
<i>Nyctanthes arbor-tristis</i> L.	<i>Parijata</i>	Oleaceae	Leaves
<i>Papaver rhoeas</i> L.	<i>Lalpost, Lal</i>	Papavaraceae	Root
<i>Pavonia odorata</i> Willd.	<i>Bala</i>	Malvaceae	Plant
<i>Pergularia daemia</i> (Forsk) Chiov.	<i>Jutuk</i>	Asclepiadaceae	Plant
<i>Psoralea corylifolia</i> L.	<i>Bavachi</i>	Fabaceae	Seed
<i>Pueraria tuberosa</i> DC.	<i>Bankurma</i>	Fabaceae	Root
<i>Sida acuta</i> Burn.	<i>Chikna</i>	Malvaceae	Root
<i>Smilax zeylanica</i> L.	<i>Chobchini</i>	Liliaceae	Root
<i>Spondias pinnata</i> Kurtz.	<i>Amara</i>	Anacardiaceae	Leaves, Bark
<i>Trewia nudiflora</i> L.	<i>Pindara</i>	Euphorbiaceae	Root
<i>Tribulus terrestris</i> L.	<i>Chhota Gokhru</i>	Zygophyllaceae	Root
<i>Urginea indica</i> Kunth Enum.	<i>Jangli Piyaz</i>	Liliaceae	Bulb
<i>Vanda tessellata</i> Hook.	<i>Vanda</i>	Orchidaceae	Root
Plants with diuretic activity			
<i>Acalypha indica</i> L.	<i>Khokali</i>	Euphorbiaceae	Plant
<i>Althea rosea</i> Cav. Diss.	-	Malvaceae	Seeds
<i>Amaranthus caudatus</i> L.	-	Amaranthaceae	Plant
<i>Biophytum sensitivum</i> (L.) DC	-	Oxalidaceae	Leaves
<i>Boswellia serrata</i> Roxb.	<i>Kundur</i>	Burseraceae	Gum
<i>Butea monosperma</i> O. Kuntze	<i>Palas</i>	Fabaceae	Leaves, Flowers
<i>Cardiospermum halicacabum</i> L.	<i>Kanphuti</i>	Sapindaceae	Root
<i>Cassia filiformis</i> L.	<i>Amarbeli</i>	Lauraceae	Plant
<i>Chlorophytum arundinaceum</i> Baker.	<i>Safed Musli</i>	Liliaceae	Root
<i>Cissampelos pareira</i> L.	<i>Akauadi</i>	Menispermaceae	Root
<i>Cleome viscosa</i> L.	<i>Hulhul</i>	Capparidaceae	Plant
<i>Cordia oblique</i> Willd.	<i>Bhairala</i>	Boraginaceae	Fruit
<i>Crinum asiaticum</i> L.	<i>Chindar</i>	Amaryllidaceae	Seeds
<i>Curculigo orchoides</i> Gaertn.	<i>Kalimusli</i>	Amaryllidaceae	Rhizome
<i>Curcuma zedoaria</i> Rosc.	<i>Kachura</i>	Zingiberaceae	Root
<i>Cynodon dactylon</i> Pers.	<i>Dhoboghas</i>	Poaceae	Juice
<i>Desmostachya bipinnata</i> Stapf. Infl. Cap.	<i>Dab.</i>	Poaceae	Root
<i>Fumaria indica</i> Pugsley.	<i>Pitapapara</i>	Fumariaceae	Plant
<i>Gossypium herbaceum</i> L.	<i>Kupas</i>	Malvaceae	Root
<i>Gmelina arborea</i> Roxb.	<i>Gamari</i>	Verbenaceae	Fruit
<i>Gymnema sylvestre</i> (Retz) R. Br.	<i>Merasingi</i>	Asclepiadaceae	Leaves
<i>Heliotropium indicum</i> L.	<i>Hattajuric</i>	Boraginaceae	Plant
<i>Heliotropium strigosum</i> Willd.	<i>Chitiphul</i>	Boraginaceae	Plant
<i>Hibiscus sabdariffa</i> L.	<i>Lalambari</i>	Malvaceae	Leaves
<i>Homonioia riparia</i> Lour. Fl. Cochinch.	-	Euphorbiaceae	Root
<i>Indigofera glabra</i> L.	-	Fabaceae	Plant
<i>Lepidium sativum</i> L.	<i>Chaunsar</i>	Cruciferae	Seeds
<i>Mangifera indica</i> L.	<i>Amb</i>	Anacardiaceae	Fruit

Botanical name	Common name	Family	Part used
<i>Melia azedarach</i> L.	Bakain	Meliaceae	Flowers, Leaves
<i>Mucuna pruri</i> Hook.	Goncha	Fabaceae	Root
<i>Nelumbo nucifera</i> Gaertn.	Ambuj	Nymphaeaceae	Root
<i>Nicandra physalodes</i> Gaertn.	-	Solanaceae	Plant
<i>Oxalis corniculata</i> L.	Amrul	Oxalidaceae	Plant
<i>Phyllanthus reticulatus</i> Poir.	Buinowla	Euphorbiaceae	Leaves
<i>Phyllanthus urinaria</i> L.	Hazarmani	Euphorbiaceae	Plant
<i>Physalis divaricata</i> L.	Chirpoti	Solanaceae	Plant
<i>Pistia stratiotes</i> L.	Jalkhumbi	Araceae	Root
<i>Plumbago zeylanica</i> L.	Chitrak	Plumbaginaceae	Root
<i>Polygonum hydropiper</i> L.	-	Polygonaceae	Herb, Leaves
<i>Psoralea corylifolia</i> L.	Bavachi	Fabaceae	Fruit
<i>Rorippa indica</i> L.	-	Brassicaceae	Plant
<i>Scirpus grossus</i> L.F.	Kasuru	Cyperaceae	Root
<i>Sebastiania orientalis</i> Muell-Arg.	-	Fabaceae	Seeds
<i>Sida acuta</i> Burm.	Chikna	Malvaceae	Root
<i>Solanum nigrum</i> L.	Makoi	Solanaceae	Fruit
<i>Solanum surattense</i> Burm.F.	-	Solanaceae	Fruit
<i>Stereospermum personatum</i> (Hassk.)	Padar	Bignoniaceae	Root Bark
<i>Stereospermum suaveolens</i> DC.	Pad	Bignoniaceae	Root Bark
<i>Tectona grandis</i> L.	Sagwan	Verbenaceae	Flowers, Seeds
<i>Thalictrum foliolosum</i> DC.	Mamira	Ranunculaceae	Root
<i>Urginea indica</i> Kunth Enum.	Jangli Piyaz	Liliaceae	Bulb
<i>Vetiveria zizanioides</i> (L.) Nash	Khas	Poaceae	Root
<i>Acalypha indica</i> L.	Khokali	Euphorbiaceae	Plant
<i>Baliospermum montanum</i> Muell-Arg.	Danti	Euphorbiaceae	Leaves
<i>Biophytum sensitivum</i> (L.) DC	Lajalu	Oxalidaceae	Leaves
<i>Boerhavia diffusa</i> L.	Punarnava	Nyctaginaceae	Plant
<i>Celastrus paniculatus</i> Willd.	Jyotismati	Celastraceae	Seed Oil
<i>Cissampelos pareira</i> L.	Akaiadi	Menispermaceae	Root
<i>Clerodendron serratum</i> Spreng.	Bhargi	Verbenaceae	Root
<i>Costus speciosus</i> L.	Pushkara	Zingiberaceae	Root
<i>Crinum asiaticum</i> L.	Chindar	Amaryllidaceae	Tuber
<i>Curculigo orchoides</i> Gaertn.	Kalimusli	Amaryllidaceae	Rhizome
<i>Curcuma zedoaria</i> Rosc.	Kalihaladi	Scitamineae	Rhizome
<i>Desmodium gangeticum</i> (L.) DC.	Shalpurni	Fabaceae	Root
<i>Dregea volubilis</i> Benth.	Nakchhikni	Asclepiadaceae	Plant
<i>Eulophia nuda</i> Lindl.	Ambarkand	Orchidaceae	Plant
<i>Euphorbia hirta</i> L.	Dudhi	Euphorbiaceae	Plant
<i>Euphorbia neriifolia</i> L.	Shumd	Euphorbiaceae	Plant
<i>Evolvulus alsinoides</i> L.	Shyamakranta	Covulvaceae	Leaves
<i>Gymnema sylvestre</i> (Retz.) R.Br	Merasingi	Asclepiadaceae	Plant
<i>Holarrhena antidysenterica</i> Wall. ex. Dc.	Kurchi	Apocynaceae	Bark
<i>Indigofera tinctoria</i> L.	Neel	Papilionaceae	Plant
<i>Lepidium sativum</i> L.	Chausar	Cruciferae	Plant
<i>Madhuca indica</i> Gmel.	Madhua	Sapotaceae	Bark
<i>Mallotus philippinensis</i> Muell-Arg.	Kamala	Euphorbiaceae	Leaves
<i>Mimosa pudica</i> L.	Touch Me Not	Mimosaceae	Root
<i>Nelumbo nucifera</i> Gaertn.	Ambuj	Nymphaeaceae	Flower
<i>Ochna Obtusata</i> spp. Pumila	-	Ochnaceae	Root, Bark
<i>Operculina turpethum</i> (L.) Silva Manso Enum.	Nisoth	Convolvulaceae	Root
<i>Oroxylum indicum</i> Vent.	Arhu	Bignoniaceae	Root Bark
<i>Pavonia odorata</i> Willd.	Bala	Malvaceae	Plant
<i>Passiflora foetida</i> L.	-	Passifloraceae	Leaves, Fruit
<i>Pergularia daemia</i> Forssk.	Sagovani	Asclepidaceae	Leaves

<i>Pistia stratiotes</i> L.	<i>Jalkhumbi</i>	Araceae	Leaves
<i>Portulacca oleracea</i> L.	<i>Barlumia</i>	Portulacaceae	Leaves
<i>Psoralea corylifolia</i> L.	<i>Bavchi</i>	Fabaceae	Leaves
<i>Ricinus communis</i> L.	<i>Jada</i>	Euphorbiaceae	Root
<i>Solanum indicum</i> L.	<i>Barhata</i>	Solanaceae	Root
<i>Solanum nigrum</i> L.	<i>Makoi</i>	Solanaceae	Berries
<i>Solanum surattense</i> Burm. F.	<i>Kateli</i>	Solanaceae	Roots
<i>Stereospermum suaveolens</i> DC.	<i>Padal</i>	Bignoniaceae	Root
<i>Tectona grandis</i> L.	<i>Sagwan</i>	Verbenaceae	Flower, Bark
<i>Tephrosia purpurea</i> L.	<i>Sarphonka</i>	Fabaceae	Plant
<i>Urginea indica</i> Kunth Enum.	<i>Jangli piyaz</i>	Liliaceae	Bulb
<i>Vanda tessellata</i> Hook.	<i>Rasna, Vanda</i>	Orchidaceae	Root



भारत सरकार
GOVERNMENT OF INDIA
पर्यावरण, वन एवं जलवायु परिवर्तन मंत्रालय
MINISTRY OF ENVIRONMENT, FOREST & CLIMATE CHANGE

भारतीय वनस्पति सर्वेक्षण / BOTANICAL SURVEY OF INDIA
सी.जी.ओ. कॉम्प्लेक्स / CGO COMPLEX
तृतीय एम. एस. ओ. भवन / 3RD MSO BUILDING
पाँचवाँ और छठा तल / 5TH & 6TH FLOOR
डी एफ ब्लॉक, सेक्टर 1 / DF BLOCK, SECTOR 1
साल्टलेक, कोलकाता-६४ / SALT LAKE, KOLKATA - 700064
Tel.: (033) 2321 4050 [Tech. Section] ; E-mail: tech@bsi.gov.in

फाइल संख्या/ File No.: BSI- 286/1 (Parl.) / 2021 -Tech.

दिनांक/Date : August , 2023

सेवा में / To

The Secretary
Ministry of Environment, Forest and Climate Change
Indira Paryavaran Bhawan, Jor Bagh Road
New Delhi - 110003

(Kind attention: Dr. S. Prabhu, Scientist 'D'/ Joint Director (S), MoEF&CC, New Delhi)

Subject: Herbal Medicines - reg.

Ref: Lok Sabha un-starred Question diary No. 8441 for 07.08.2023 regarding "Herbal Medicines"-reg.

महोदया / Madam,

With reference to your email, dated 31st July, 2023 regarding Lok Sabha un-starred Question diary No. 8441 for 07.08.2023 regarding "Herbal Medicines", I am directed to furnish herewith the following information for your kind perusal and necessary action as follows:

(a) *Whether herbal medicines are found in Madhya Pradesh;*

Answer: Yes, Herbal medicines are found in Madhya Pradesh. While exploring the floristic wealth of the state, Botanical Survey of India has also documented the traditional knowledge of plants used by the local inhabitants. In this regard, BSI has documented 191 traditionally used medicinal plants, some of which are having commercial as well as economic value. The list of the plants are given in *Annexure 1*.

(b) *if so the details of herbal medicines thereof; and*

Answer: The list of the plants having medicinal uses are given in *Annexure 1*.

(c) *The efforts being made for the conservation of herbal medicines?*

Answer: Botanical Survey of India makes continuous efforts to conserve the medicinal plants in its Botanic Gardens. In addition, the forest department of Govt. of Madhya Pradesh also takes efforts for rehabilitating medicinal plants of economic value in its working plans.

This issues with the approval of Director, Botanical Survey of India.

सधन्यवाद/ Thanking you,

*Directed avam
through*

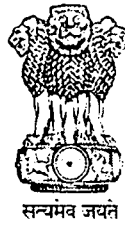
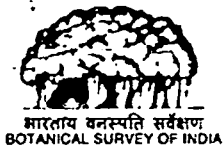
भवदीय/Yours sincerely

(एस. एस. दाश / S. S. Dash)

वैज्ञानिकई/ Scientist 'E'

(प्रभारी, तकनीकी अनुभाग / In-charge, Tech. Section)

Encl: As above



भारत सरकार
GOVERNMENT OF INDIA
पर्यावरण, वन एवं जलवायु परिवर्तन मंत्रालय
MINISTRY OF ENVIRONMENT, FOREST & CLIMATE CHANGE

भारतीय वनस्पति सर्वेक्षण / BOTANICAL SURVEY OF INDIA
सी.जी.ओ. कॉम्प्लेक्स / CGO COMPLEX
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साल्टलेक, कोलकाता-६४ / SALT LAKE, KOLKATA - 700064
Tel.: (033) 2321 4050 [Tech. Section] ; E-mail: tech@bsi.gov.in

फ़ाइल संख्या/ File No.: BSI- 286/1 (Parl.) / 2021 -Tech.

दिनांक/Date : August , 2023

सेवा में / To

The Secretary
Ministry of Environment, Forest and Climate Change
Indira Paryavaran Bhawan, Jor Bagh Road
New Delhi - 110003

(Kind attention: Dr. S. Prabhu, Scientist 'D'/ Joint Director (S), MoEF&CC, New Delhi)

Subject: Herbal Medicines - reg.

Ref: Lok Sabha un-starred Question diary No. 8441 for 07.08.2023 regarding "Herbal Medicines"-reg.

महोदया / Madam,

With reference to your email, dated 31st July, 2023 regarding Lok Sabha un-starred Question diary No. 8441 for 07.08.2023 regarding "Herbal Medicines", I am directed to furnish herewith the following information for your kind perusal and necessary action as follows:

(a) Whether herbal medicines are found in Madhya Pradesh;

Answer: Yes, Herbal medicines are found in Madhya Pradesh. While exploring the floristic wealth of the state, Botanical Survey of India also documented the traditional knowledge of plants used by the local inhabitants. In this regard, BSI has documented 191 traditionally used medicinal plants, some of which are having commercial as well as economic value. The list of the plants are given in Annexure 1.

(b) if so the details of herbal medicines thereof; and

Answer: The list of the plants having medicinal uses are given in are Annexure 1.

(c) The efforts being made for the conservation of herbal medicines?

Answer: Botanical Survey of India makes continuous efforts abiding by one of its primary objectives by ex-situ conservation of plants at the 13 botanic gardens under BSI spread all over the country. BSI consciously adopts several conservation strategies to ensure the conservation of plants having medicinal uses by allotting separate medicinal plant sections in its gardens.

This issues with the approval of Director, Botanical Survey of India.

सधन्यवाद/ Thanking you,

In addition, the forest dept of Govt. of Madhya Pradesh also takes efforts for rehabilitating medicinal plants of economic value in its working plots.

(एस. एस. दाश / S. S. Dash)

वैज्ञानिक ई/ Scientist 'E'

(प्रभारी, तकनीकी अनुभाग / In-charge, Tech. Section)

Encl: As above

Email

Technical Section BSI



Lok Sabha un-starred Question diary No. 8441 for 07.08.2023 regarding "Herbal Medicines".

From : PRABHU SUBRAMANI <p.subramani@gov.in>
Subject : Lok Sabha un-starred Question diary No. 8441 for 07.08.2023 regarding "Herbal Medicines".

Mon, Jul 31, 2023 11:06 AM

1 attachment

To : Ashiho Asosii Mao <hq@bsi.gov.in>, Technical Section BSI <tech@bsi.gov.in>, ADMIN BSI <admin@bsi.gov.in>, Murugeswaran R <dr.murugesw.nmpb@gov.in>, SunilDutt ResearchOfficer(MedicinalPlants/Agro) <romps.nmpb@gov.in>, Dr. B Balaji <secretary@nba.nic.in>, Achuta Nand Shukla <achuta.shukla@gov.in>

Cc : Ved Prakash Mishra <mishra.vp@gov.in>

*Ms. S. Shukla
for reply.
Lgmun
Dwa L.
31/7/23*

Most Urgent (Parliament Question)

File No. 18-16/2012-CS-II(Pt.2)

Government of India

Ministry of Environment, Forest and Climate Change

CS-II (Medicinal plants) Division

Indira Paryavaran Bhavan,
 Jor Bagh Road, Ali Gang,
 New Delhi - 110 003
 Dated: 31.07.2023

OFFICE MEMORANDUM

Subject: Lok Sabha un-starred Question diary No. 8441 for 07.08.2023 regarding "Herbal Medicines".

The undersigned is directed to refer to the above said Lok Sabha unstarred Question as hereunder:

Will the Minister of ENVIRONMENT, FOREST AND CLIMATE CHANGE

- Whether herbal medicines are found in Madhya Pradesh;
- if so the details of herbal medicines thereof; and
- The efforts being made for the conservation of herbal medicines?

It is requested that para-wise information/inputs/material for framing the reply to the question may please be sent to this Ministry at the earliest by 01.08.2023 (positively by 5:00 PM). A soft copy of the information may also be emailed at mishra.vp@gov.in and p.subramani@gov.in.

TECHNICAL SECTION, OFFICE OF DIRECTOR, BSI,	
Dy. No.	5-286
Date	31.07.2023

Dr. S. Prabhu
 Scientist 'D'

Copy to:

1. The Director, Botanical Survey of India, CGO Complex, 3rd MSO Building, 5th & 6th Floor, DF Block, Sector - I, Salt Lake City, Kolkata - 700 064, West Bengal.
2. National Medicinal Plants Board, Ministry of Ayush, 1st Floor & 2nd floor, IRCS Annexe Building, Red Cross Road, New Delhi - 01.
3. The Secretary, National Biodiversity Authority, 5th Floor, TICEL Bio Park, CSIR Road, Taramani, Chennai - 600 113.
4. Biodiversity Division, MoEFCC, New Delhi.

--

Dr. S. Prabhu
Scientist 'D'/ Joint Director (S)
Ministry of Environment, Forest & Climate Change
Government of India
Indira Paryavaran Bhawan
Jorbagh Road
New Delhi - 110 003.
Mobile No. +91 9531838089.



वसुधैव कुटुम्बकम्
ONE EARTH - ONE FAMILY - ONE FUTURE

— OM for LSUS Diary No 8441 for 07.08.2023.pdf
274 KB

Most Urgent (Parliament Question)

File No. 18-16/2012-CS-II(Pt.2)

Government of India
Ministry of Environment, Forest and Climate Change
CS-II (Medicinal plants) Division

Indira Paryavaran Bhavan,
Jor Bagh Road, Ali Gang,
New Delhi - 110 003
Dated: 31.07.2023

OFFICE MEMORANDUM

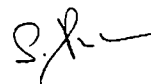
Subject: Lok Sabha un-starred Question diary No. 8441 for 07.08.2023 regarding "Herbal Medicines".

The undersigned is directed to refer to the above said Lok Sabha unstarred Question as hereunder:

Will the Minister of ENVIRONMENT, FOREST AND CLIMATE CHANGE

- (a) Whether herbal medicines are found in Madhya Pradesh;
- (b) if so the details of herbal medicines thereof; and
- (c) The efforts being made for the conservation of herbal medicines?

It is requested that para-wise information/inputs/material for framing the reply to the question may please be sent to this Ministry at the earliest by 01.08.2023 (positively by 5:00 PM). A soft copy of the information may also be emailed at mishra.vp@gov.in and p.subramani@gov.in.



Dr. S. Prabhu
Scientist 'D'
Intercom: 3235

Copy to:

1. The Director, Botanical Survey of India, CGO Complex, 3rd MSO Building, 5th & 6th Floor, DF Block, Sector - I, Salt Lake City, Kolkata - 700 064, West Bengal.
2. National Medicinal Plants Board, Ministry of Ayush, 1st Floor & 2nd floor, IRCS Annexe Building, Red Cross Road, New Delhi - 01.
3. The Secretary, National Biodiversity Authority, 5th Floor, TICEL Bio Park, CSIR Road, Taramani, Chennai - 600 113.
4. Biodiversity Division, MoEFCC, New Delhi.

Email



Technical Section BSI

Re: Lok Sabha un-starred Question diary No. 8441 for 07.08.2023 regarding "Herbal Medicines ".

From : Dr.Onkar Nath Maurya <onmaurya@bsi.gov.in> Mon, Jul 31, 2023 09:27 PM
Subject : Re: Lok Sabha un-starred Question diary No. 8441 for 07.08.2023 regarding "Herbal Medicines ". 1 attachment
To : Technical Section BSI <tech@bsi.gov.in>
Cc : Dr Sudhansu Sekhar Dash <ssdash@bsi.gov.in>, Ashiho Asosii <aamao@bsi.gov.in>

Sir,

Please find the reply as attachment on above subject.
Thanks and regards.

From: "Technical Section BSI" <tech@bsi.gov.in>
To: "bsi crcald" <bsi.crcald@gmail.com>, "Dr.Onkar Nath Maurya" <onmaurya@bsi.gov.in>
Cc: "Dr Sudhansu Sekhar Dash" <ssdash@bsi.gov.in>, "Umeshkumar L. Tiwari" <ukltiwari@bsi.gov.in>, "C M Sabapathy" <cmsabapathy@bsi.gov.in>
Sent: Monday, July 31, 2023 12:44:33 PM
Subject: Fwd: Lok Sabha un-starred Question diary No. 8441 for 07.08.2023 regarding "Herbal Medicines ".

Sir,

With reference to the above mentioned subject, please find herewith a forwarded email, which is self explanatory. In this connection, you are requested to expedite your comments/input/ available information on the same to this office by **today (31.07.2023)** positively.

Thanking You

.....
Technical Section

Botanical Survey of India, HQ
Salt Lake City, Kolkata - 700 064

Emails: *tech@bsi.gov.in* ; *tech.bsi2021@gmail.com*

From: "PRABHU SUBRAMANI" <p.subramani@gov.in>
To: "Ashiho Asosii Mao" <hq@bsi.gov.in>, "Technical Section BSI" <tech@bsi.gov.in>, "ADMIN BSI" <admin@bsi.gov.in>, "Murugeswaran R" <dr.murugesw.nmpb@gov.in>, "SunilDutt ResearchOfficer(MedicinalPlants/Agro)" <romps.nmpb@gov.in>, "Dr. B Balaji" <secretary@nba.nic.in>, "Achuta Nand Shukla" <achuta.shukla@gov.in>
Cc: "Ved Prakash Mishra" <mishra.vp@gov.in>
Sent: Monday, July 31, 2023 11:06:35 AM
Subject: Lok Sabha un-starred Question diary No. 8441 for 07.08.2023 regarding "Herbal Medicines ".



Subject: Lok Sabha un-starred Question diary No. 8441 for 07.08.2023 regarding “Herbal Medicines”.

(a) Whether herbal medicines are found in Madhya Pradesh.

Yes, Botanical survey of India has enlisted 191 species of medicinal plants in Flora of Madhya Pradesh vol.1.

(b) if so the details of herbal medicines thereof.

List of plants attached.

(c) The efforts being made for the conservation of herbal medicines?

7



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सत्यमेव जयते



भारत सरकार
GOVERNMENT OF INDIA
पर्यावरण, वन एवं जलवायु परिवर्तन मंत्रालय
MINISTRY OF ENVIRONMENT, FOREST & CLIMATE CHANGE

भारतीय वनस्पति सर्वेक्षण / BOTANICAL SURVEY OF INDIA
सी.जी.ओ. कॉम्प्लेक्स / CGO COMPLEX
तृतीय एम. एस. ओ. भवन / 3RD MSO BUILDING
पाँचवाँ और छठा तल / 5TH & 6TH FLOOR
डी एफ ब्लॉक, सेक्टर १ / DF BLOCK, SECTOR I
साल्टलेक, कोलकाता-६४ / SALT LAKE, KOLKATA - 700064
Tel.: (033) 2321 4050 [Tech. Section] ; E-mail: tech@bsi.gov.in

फ़ाइल संख्या/ File No.: BSI-286/1 (Parl.) / 2021 -Tech.

दिनांक/Date : 24th July, 2023

सेवा में / To

The Secretary
Ministry of Environment, Forest and Climate Change
Indira Paryavaran Bhawan, Jor Bagh Road
New Delhi - 110003

विषय/Subject : Lok Sabha Un-starred Question Diary No. 4536 for answer on 28.07.2023
regarding "Schemes for Indigenous Medicinal / Herbal Plants in Rajasthan"- reg

महोदया / Sir,

With reference to the above mentioned subject *via* email, dated th July, 2023 regarding Lok Sabha Admitted un-starred Question No. 4536 for answer on 28.07.2023 regarding "Schemes for Indigenous Medicinal / Herbal Plants in Rajasthan", received by this office and was directed to furnish the answer for the questions (a-c). As the questions were not under the purview of BSI, the answers may be treated as Nil.

(a) The details of the schemes being implemented by the Government for identification, documentation, conservation/preservation, processing and commercial use of indigenous medicinal /herbal plants in Rajasthan;

Answer: Data not available with BSI

(b) Whether the Government has imparted any training to the farmers / entrepreneurs / youths to facilitate them in production, processing and marketing of medicinal / herbal plants in Rajasthan;

Answer: Not under the purview of BSI.

(c) If so, the details thereof and if not, the reasons therefor;

Answer: Not applicable

(d) Whether the Government proposes to set up any research Institute in Rajasthan to study about indigenous herbal plants for their medicinal and aromatic use; and

Answer: Data not available with BSI.

(e) If so, the details thereof?

Answer: Not applicable.

This issues with the approval of Director, Botanical Survey of India.

सधन्यवाद/ Thanking you,

भवदीय/Yours sincerely

(एस. एस. दाश / S. S. Dash)

वैज्ञानिक ई/ Scientist 'E'

(प्रभारी, तकनीकी अनुभाग / In-charge, Tech. Section)



1343
प्रेषित / DESPATCHED
26/7/23



TECHNICAL SECTION
DISPATCHED
No. T- 579
Date : 25.07.2023

From: **Sriman lal Meena** <hoo-azrc@bsi.gov.in>

Date: Mon, Jul 24, 2023 at 4:00 PM

Subject: Parliamentary Question on Schemes for Indigenous Medical and Herbal Plants in Rajasthan-reg.

To: <tech.bsi2021@gmail.com>, Dr Sudhansu Sekhar Dash <ssdash@bsi.gov.in>

Respected Sir,

With reference to your mail dated 24.07.2023 on the above-mentioned subject, I am furnishing herewith the point wise information for your kind perusal and necessary action.

- a) a. Under the inhouse projects (AAP), this center is doing identification and documentation of the area surveyed. It includes medicinal, indigenous and herbal plants. During the preparation of reports, medicinal importance and commercial use of the plants, if any, are also written. This center is also doing conservation of EET species of Rajasthan and Gujarat. However, there is presently no particular scheme for processing and commercial use of indigenous/medicinal/herbal plants.
- b) b. There is no any training programmer being conducted.
- c) c. As this office is a sub-ordinate office and hence we carry forward the tasks as directed by the Hq.
- d) d. No.
- e) e. Not applicable.

With regards

S.L. Meena

Scientist-E & HoO

BSI, AZRC, Jodhpur

Mob. 9413971718

F. No. H-11016/06/2023-NMPB-III
Government of India
Ministry of Ayush
National Medicinal Plants Board

First Floor, IRCS Annexe Building,
Red Cross Road, New Delhi – 110 001
E-mail: romps.nmpb@gov.in
Tel: 011-23721836
Dated: 21.07.2023

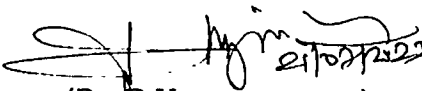
OFFICE MEMORANDUM

Subject: Lok Sabha Unstarred Question Diary No. 4536 for 28/07/2023 regarding “Schemes for Indigenous Medicinal / Herbal Plants in Rajasthan”.

The undersigned is directed to refer to the above said Lok Sabha Unstarred Question as reproduced hereunder:

- (a) the details of the schemes being implemented by the Government for identification, documentation, conservation / preservation, processing and commercial use of indigenous medicinal / herbal plants in Rajasthan;
- (b) whether the Government has imparted any training to the farmers / entrepreneurs / youths to facilitate them in the production, processing and marketing of medicinal / herbal plants in Rajasthan;
- (c) if so, the details thereof and if not, the reasons therefor;
- (d) whether the Government proposes to set up any research institute in Rajasthan to study about indigenous herbal plants for their medicinal and aromatic use; and
- (e) if so, the details thereof?

It is requested that point-wise information for the above Question may kindly be furnished both in hard as well as soft copy (Email: romps.nmpb@gov.in) latest by 22.07.2023 to the undersigned.


(Dr. R Murugeswaran)
Deputy Advisor (MPs)

To

1. Joint Secretary (Parliament), Ministry of Environment, Forest and Climate Change, Indira Paryavaran Bhawan, Jor Bagh Road, Aliganj, New Delhi - 110003.
2. Joint Secretary, Ministry of Tribal Affairs, 741, A-Wing, Shastri Bahawan, New Delhi-110001.
3. Joint Secretary, Department of Science & Technology, Technology Bhawan, New Mehrauli Road, Block – C, Qutab Institutional Area, New Delhi – 110016.
4. Joint Secretary, Department of Biotechnology, 6th-8th Floor, Block 2 CGO Complex, Lodhi Road, New Delhi - 110 003.
5. Director General, Council of Scientific & Industrial Research, Anusandhan Bhawan, 2 Rafi Ahmed, Kidwai Marg, New Delhi-110001.
6. Director General, Indian Council of Agricultural Research, Krishi Bhawan, New Delhi-110001



BSI Technical Section <tech.bsi2021@gmail.com>

Fwd: [PLEASE OPEN THE ATTACHMENT WITH CAUTION]Fwd: Lok Sabha Unstarred Question Diary No. 4536 for 28/07/2023 regarding "Schemes for Indigenous Medicinal / Herbal Plants in Rajasthan".

ADMIN BSI <admin@bsi.gov.in>

Mon, Jul 24, 2023 at 10:58 AM

To: Technical Section BSI <tech@bsi.gov.in>, tech bsi2021 <tech.bsi2021@gmail.com>

Cc: aamao2008 <aamao2008@gmail.com>, ssdash2002 <:ssdash2002@gmail.com>, Dr Sudhansu Sekhar Dash <:ssdash@bsi.gov.in>, C Murugan <cmurugan@bsi.gov.in>, PRABHU SUBRAMANI <p.subramani@gov.in>

To
In-charge
Technical Section
BSI
Kolkata
Sir

I am directed to forward this mail with attachment for the needful action
C. Murugan

From: "PRABHU SUBRAMANI" <p.subramani@gov.in>**To:** "Ashiho Asosii Mao" <hq@bsi.gov.in>, "ADMIN BSI" <admin@bsi.gov.in>**Cc:** "Ved Prakash Mishra" <mishra.vp@gov.in>**Sent:** Monday, July 24, 2023 10:41:34 AM**Subject:** Fwd: [PLEASE OPEN THE ATTACHMENT WITH CAUTION]Fwd: Lok Sabha Unstarred Question Diary No. 4536 for 28/07/2023 regarding "Schemes for Indigenous Medicinal / Herbal Plants in Rajasthan".**Most Urgent/ Parliament Question**

Sir,

Kindly find the attachment of the subject cited Question and furnish the inputs latest by Today 1:00 pm (24.07.2023).

With regards,
Dr. S. Prabhu,
Scientist -D,
CS (Medicinal plants)
MoEFCC, New Delhi -

From: "Parliament Section" <parlsec-mef@nic.in>**To:** "PRABHU SUBRAMANI" <p.subramani@gov.in>**Cc:** "Abhimanyu Kumar Sharma" <ak.sharma79@nic.in>**Sent:** Monday, July 24, 2023 10:28:15 AM**Subject:** Fwd: [PLEASE OPEN THE ATTACHMENT WITH CAUTION]Fwd: Lok Sabha Unstarred Question Diary No. 4536 for 28/07/2023 regarding "Schemes for Indigenous Medicinal / Herbal Plants in Rajasthan".

From: "Satya Prakash" <satya.prakash79@gov.in>**To:** "Parliament Section" <parlsec-mef@nic.in>**Sent:** Monday, July 24, 2023 10:14:24 AM**Subject:** [PLEASE OPEN THE ATTACHMENT WITH CAUTION]Fwd: Lok Sabha Unstarred Question Diary No. 4536 for 28/07/2023 regarding "Schemes for Indigenous Medicinal / Herbal Plants in Rajasthan".

From: "Mr Satyajit Mishra" <satyajit.mishra@nic.in>**To:** "rakesh sharma67" <rakesh.sharma67@nic.in>, "Satya Prakash" <satya.prakash79@gov.in>

Sent: Monday, July 24, 2023 9:47:27 AM

Subject: Fwd: Lok Sabha Unstarred Question Diary No. 4536 for 28/07/2023 regarding "Schemes for Indigenous Medicinal / Herbal Plants in Rajasthan".

From: "SunilDutt ResearchOfficer(MedicnialPlants/Agro)" <romps.nmpb@gov.in>

To: "Nameeta Prasad" <nameeta.prasad@gov.in>, "Sujit Kumar Bajpayee" <sujit.baju@gov.in>, "Neelesh Kumar Sah" <sahnk@cag.gov.in>, "Mr Satyajit Mishra" <satyajit.mishra@nic.in>, "Dr Naval Kapoor" <kapoor.naval@gov.in>, "Rajesh" <grajesh_agri@nic.in>, "Anju Bhalla" <anju_bhalla@nic.in>, "Chaitanya Murti" <jsadmin.dbt@nic.in>, "Director General CSIR" <dgcsir@csir.res.in>, "Dr(Mr) Himanshu Pathak" <dg.icar@nic.in>

Cc: "Prof. Tanuja Nesari" <ceo-nmpb@nic.in>, "Dy. CEO NMPB Mo AYUSH" <dyceo-nmpb@gov.in>, "Murugeswaran R" <dr.murugesw.nmpb@gov.in>

Sent: Friday, July 21, 2023 5:28:36 PM

Subject: Lok Sabha Unstarred Question Diary No. 4536 for 28/07/2023 regarding "Schemes for Indigenous Medicinal / Herbal Plants in Rajasthan".

Lok Sa

Sir / Madam,

Kindly find the attachment of the subject cited Question and furnish the inputs latest by **22.07.2023**.

With regards,

Sunil Dutt

Research Officer (Medicinal Plants/Agronomy)

National Medicinal Plants Board (NMPB),

Ministry of Ayush, Government of India,

Indian Red Cross Society (IRCS) Annexe Building,

1st & 2nd Floor, 1 Red Cross Road, New Delhi-110001.

Tel : 011-23721836

Website : www.nmpb.nic.in

#AYUSH#ZindagiRaheKhush



LSQ Dy. No. 4536_MoEF.pdf

374K

Send it to Dr. Muruga
2 Labapathy /mm
24/7/2023

Most Immediate
Parliament Question

F. No. H-11016/06/2023-NMPB-III
Government of India
Ministry of Ayush
National Medicinal Plants Board

First Floor, IRCS Annexe Building,
Red Cross Road, New Delhi – 110 001
E-mail: romps.nmpb@gov.in
Tel: 011-23721836
Dated: 21.07.2023

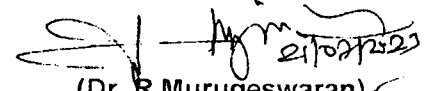
OFFICE MEMORANDUM

Subject: Lok Sabha Unstarred Question Diary No. 4536 for 28/07/2023 regarding “Schemes for Indigenous Medicinal / Herbal Plants in Rajasthan”.

The undersigned is directed to refer to the above said Lok Sabha Unstarred Question as reproduced hereunder:

- (a) the details of the schemes being implemented by the Government for identification, documentation, conservation / preservation, processing and commercial use of indigenous medicinal / herbal plants in Rajasthan;
- (b) whether the Government has imparted any training to the farmers / entrepreneurs / youths to facilitate them in the production, processing and marketing of medicinal / herbal plants in Rajasthan;
- (c) if so, the details thereof and if not, the reasons therefor;
- (d) whether the Government proposes to set up any research institute in Rajasthan to study about indigenous herbal plants for their medicinal and aromatic use; and
- (e) if so, the details thereof?

It is requested that point-wise information for the above Question may kindly be furnished both in hard as well as soft copy (Email: romps.nmpb@gov.in) latest by 22.07.2023 to the undersigned.


(Dr. R Murugeswaran)
Deputy Advisor (MPs)

To

1. Joint Secretary (Parliament), Ministry of Environment, Forest and Climate Change, Indira Paryavaran Bhawan, Jor Bagh Road, Aliganj, New Delhi - 110003.
2. Joint Secretary, Ministry of Tribal Affairs, 741, A-Wing, Shastri Bahawan, New Delhi-110001.
3. Joint Secretary, Department of Science & Technology, Technology Bhawan, New Mehrauli Road, Block – C, Qutab Institutional Area, New Delhi – 110016.
4. Joint Secretary, Department of Biotechnology, 6th-8th Floor, Block 2 CGO Complex, Lodhi Road, New Delhi - 110 003.
5. Director General, Council of Scientific & Industrial Research, Anusandhan Bhawan, 2 Rafi Ahmed, Kidwai Marg, New Delhi-110001.
6. Director General, Indian Council of Agricultural Research, Krishi Bhawan, New Delhi-110001



BSI Technical Section <tech.bsi2021@gmail.com>

Fwd: [PLEASE OPEN THE ATTACHMENT WITH CAUTION]Fwd: Lok Sabha Unstarred Question Diary No. 4536 for 28/07/2023 regarding "Schemes for Indigenous Medicinal / Herbal Plants in Rajasthan".

BSI Technical Section <tech.bsi2021@gmail.com>

Mon, Jul 24, 2023 at 11:32 AM

To: "Dr. S L Meena" <drslmeena.bsi@gmail.com>, BSI AZRC <bsiazcc@yahoo.com>

Cc: "Dr. S S Dash" <ssdash@bsi.gov.in>, Mylswamy Sabapathy <cmsabha@gmail.com>, "Technical Section, Hq" <tech@bsi.gov.in>

Sir,

Please refer to the attached mail on Parliamentary questions pertaining to Rajasthan and provide the required inputs in the return mail by **4 pm today positively**.

This may be treated as URGENT please.

thanking you,

.....
Technical Section

Botanical Survey of India, HQ**Salt Lake City, Kolkata - 700 064**Emails: *tech@bsi.gov.in* ; *tech.bsi2021@gmail.com*

[Quoted text hidden]

 **LSQ Dy. No. 4536_MoEF.pdf**
374K



BSI Technical Section <tech.bsi2021@gmail.com>

Fwd: [PLEASE OPEN THE ATTACHMENT WITH CAUTION]Fwd: Lok Sabha Unstarred Question Diary No. 4536 for 28/07/2023 regarding "Schemes for Indigenous Medicinal / Herbal Plants in Rajasthan".

2 messages

ADMIN BSI <admin@bsi.gov.in>

Mon, Jul 24, 2023 at 10:58 AM

To: Technical Section BSI <tech@bsi.gov.in>, tech bsi2021 <tech.bsi2021@gmail.com>

Cc: aamao2008 <aamao2008@gmail.com>, ssdash2002 <:ssdash2002@gmail.com>, Dr Sudhansu Sekhar Dash <:ssdash@bsi.gov.in>, C Murugan <cmurugan@bsi.gov.in>, PRABHU SUBRAMANI <p.subramani@gov.in>

To
In-charge
Technical Section
BSI
Kolkata
Sir

I am directed to forward this mail with attachment for the needful action
C. Murugan

From: "PRABHU SUBRAMANI" <p.subramani@gov.in>**To:** "Ashiho Asosii Mao" <hq@bsi.gov.in>, "ADMIN BSI" <admin@bsi.gov.in>**Cc:** "Ved Prakash Mishra" <mishra.vp@gov.in>**Sent:** Monday, July 24, 2023 10:41:34 AM**Subject:** Fwd: [PLEASE OPEN THE ATTACHMENT WITH CAUTION]Fwd: Lok Sabha Unstarred Question Diary No. 4536 for 28/07/2023 regarding "Schemes for Indigenous Medicinal / Herbal Plants in Rajasthan".**Most Urgent/ Parliament Question**

Sir,

Kindly find the attachment of the subject cited Question and furnish the inputs latest by Today 1: 00 pm (24.07.2023).

With regards,
Dr. S. Prabhu,
Scientist -D,
CS (Medicinal plants)
MoEFCC, New Delhi -

From: "Parliament Section" <parlsec-mef@nic.in>**To:** "PRABHU SUBRAMANI" <p.subramani@gov.in>**Cc:** "Abhimanyu Kumar Sharma" <ak.sharma79@nic.in>**Sent:** Monday, July 24, 2023 10:28:15 AM**Subject:** Fwd: [PLEASE OPEN THE ATTACHMENT WITH CAUTION]Fwd: Lok Sabha Unstarred Question Diary No. 4536 for 28/07/2023 regarding "Schemes for Indigenous Medicinal / Herbal Plants in Rajasthan".

From: "Satya Prakash" <satya.prakash79@gov.in>**To:** "Parliament Section" <parlsec-mef@nic.in>**Sent:** Monday, July 24, 2023 10:14:24 AM**Subject:** [PLEASE OPEN THE ATTACHMENT WITH CAUTION]Fwd: Lok Sabha Unstarred Question Diary No. 4536 for 28/07/2023 regarding "Schemes for Indigenous Medicinal / Herbal Plants in Rajasthan".

From: "Mr Satyajit Mishra" <satyajit.mishra@nic.in>

To: "rakesh sharma67" <rakesh.sharma67@nic.in>, "Satya Prakash" <satya.prakash79@gov.in>

Sent: Monday, July 24, 2023 9:47:27 AM

Subject: Fwd: Lok Sabha Unstarred Question Diary No. 4536 for 28/07/2023 regarding "Schemes for Indigenous Medicinal / Herbal Plants in Rajasthan".

From: "SunilDutt ResearchOfficer(MedicinalPlants/Agro)" <romps.nmpb@gov.in>

To: "Nameeta Prasad" <nameeta.prasad@gov.in>, "Sujit Kumar Bajpayee" <sujit.baju@gov.in>, "Neelesh Kumar Sah" <sahnk@cag.gov.in>, "Mr Satyajit Mishra" <satyajit.mishra@nic.in>, "Dr Naval Kapoor" <kapoor.naval@gov.in>, "Rajesh" <grajesh_agri@nic.in>, "Anju Bhalla" <anju_bhalla@nic.in>, "Chaitanya Murti" <jsadmin.dbt@nic.in>, "Director General CSIR" <dgcsir@csir.res.in>, "Dr(Mr) Himanshu Pathak" <dg.icar@nic.in>

Cc: "Prof. Tanuja Nesari" <ceo-nmpb@nic.in>, "Dy. CEO NMPB Mo AYUSH" <dyceo-nmpb@gov.in>, "Murugeswaran R" <dr.murugesw.nmpb@gov.in>

Sent: Friday, July 21, 2023 5:28:36 PM

Subject: Lok Sabha Unstarred Question Diary No. 4536 for 28/07/2023 regarding "Schemes for Indigenous Medicinal / Herbal Plants in Rajasthan".

Lok Sa

Sir / Madam,

Kindly find the attachment of the subject cited Question and furnish the inputs latest by **22.07.2023**.

With regards,

Sunil Dutt

Research Officer (Medicinal Plants/Agronomy)

National Medicinal Plants Board (NMPB),

Ministry of Ayush, Government of India,

Indian Red Cross Society (IRCS) Annexe Building,

1st & 2nd Floor, 1 Red Cross Road, New Delhi-110001.

Tel : 011-23721836

Website : www.nmpb.nic.in

#AYUSH#ZindagiRaheKhush



वसुधैव कुटुम्बकम्
ONE EARTH • ONE FAMILY • ONE FUTURE



LSQ Dy. No. 4536_MoEF.pdf

374K

BSI Technical Section <tech.bsi2021@gmail.com>

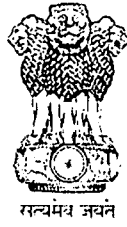
Mon, Jul 24, 2023 at 11:32 AM

To: "Dr. S L Meena" <drslmeena.bsi@gmail.com>, BSI AZRC <bsiazrc@yahoo.com>

Cc: "Dr. S S Dash" <ssdash@bsi.gov.in>, Mylswamy Sabapathy <cmsabha@gmail.com>, "Technical Section, Hq" <tech@bsi.gov.in>

Sir,

Please refer to the attached mail on Parliamentary questions pertaining to Rajasthan and provide the required inputs in the return mail by **4 pm today positively**.



भारत सरकार
GOVERNMENT OF INDIA
पर्यावरण, वन एवं जलवायु परिवर्तन मंत्रालय
MINISTRY OF ENVIRONMENT, FOREST & CLIMATE
CHANGE

भारतीय वनस्पति सर्वेक्षण / BOTANICAL SURVEY OF INDIA
सी.जी.ओ. कॉम्प्लेक्स / CGO COMPLEX
तृतीय एम. एस. ओ. भवन / 3RD MSO BUILDING
पाँचवाँ और छठा तल / 5TH & 6TH FLOOR
डी एफ ब्लॉक, सेक्टर 1 / DF BLOCK, SECTOR I
साल्टलेक, कोलकाता-६४ / SALT LAKE, KOLKATA - 700064
Tel.: (033) 2321 4050 [Tech. Section] ; E-mail: tech@bsi.gov.in

फाइलसंख्या/ File No.: BSI- 286/1 (Parl.) / 2023 -Tech.

दिनांक/Date : 29th November, 2023

सेवामें / To

The Secretary

Ministry of Environment, Forest and Climate Change

Indira Paryavaran Bhawan, Jor Bagh Road

New Delhi - 110003

[Kind attention: Shri B. Abhay Bhaskar, Deputy Inspector General of Forests (NAEB)]

Subject: Starred Lok Sabha question (Diary No. 24) on "Invasive species of Trees" for an answer on 04.12.2023 - reg.

महोदय/ Sir,

With reference to your letter vide no.3-45/2023-B.1 dated 24.11.2023 regarding the Starred Lok Sabha question (Diary No. 24) on "Invasive species of Trees" for an answer on 04.12.2023, I am directed to furnish herewith the following information for your kind perusal and necessary action as follows:

a) whether the Government has taken a serious note on the threats from Bio Invasion in the country;

Answer: This question does not pertain to BSI.

(b) if so, the details of such bio invasions harmful to the eco system of the country, State wise;

Answer: Not Applicable.

(c) whether the Government has any proposal for Eco-Restoration to suppress the growth of invasive species of trees;

Answer: Yes.

(d) if so, the details thereof?

Answer: Some of the important steps taken by the Government for Eco-restoration to suppress the growth of invasive species of trees and safeguard the native biodiversity include survey, inventorization, taxonomic validation and threat assessment of floral and faunal resources; assessment of the forest cover to develop an accurate database for planning and monitoring; establishment of Protected Area Network of National Parks, Wildlife Sanctuaries, Conservation and Community Reserves; designating Biosphere Reserves for conservation of representative ecosystems; undertaking of species oriented conservation programmes; *ex-situ* conservation of plants etc.

In addition, The Wild Life (Protection) Act 1972 and the Biological Diversity Act 2002 have also been enacted with the aim to conserve biological resources of the country and regulation of access to these resources to ensure equitable sharing of benefits arising out of their use. Under these acts, the National Biodiversity Authority (NBA) and the State Biodiversity Boards (SBBs) have been set up for implementing the provisions of the Act. Besides, the Government operates many centrally sponsored schemes and provide financial assistance to states and UTs such as Integrated Development of Wildlife Habitat; Project Tiger, and Project Elephant for better protection and conservation of wildlife and their habitat; and Identification of Forest Management Scheme towards protection and management of forests.

(e) whether the Government has any proposal to extent the area of native plantation within the reserve forests of the country; and

Answer: This does not pertain to BSI.

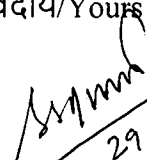
(f) if so, the details thereof?

Answer: Not Applicable to BSI.

This issues with the approval of Director, Botanical Survey of India.

सधन्यवाद/ Thanking you,

भवदीय/Yours sincerely


29/11/2023
(एस. एस. दाश / S. S. Dash)

वैज्ञानिकएफ/ Scientist 'F'

(प्रभारी, तकनीकीअनुभाग / In-charge, Tech. Section)

1747
प्रेषित / DESPATCHED
29-11-23

TECHNICAL SECTION
DISPATCHED
No. T-1633
Date: 29.11.2023

Email

Technical Section BSI

Re: Lok sabha Starred Dairy no.24 due for answer on 04/12/2023 on Invasive Species of Trees

From : Technical Section BSI <tech@bsi.gov.in> Wed, Nov 29, 2023 03:19 PM
Subject : Re: Lok sabha Starred Dairy no.24 due for answer on 04/12/2023 on Invasive Species of Trees 2 attachments
To : Dr. Sanjay Kumar Shukla <igf.naeb@gov.in>, ABHAY BHASKAR BARAPATRE <abhay.78@gov.in>, naebmoef@gmail.com, sobsi2012 <sobsi2012@gmail.com>, GEETA BHATNAGAR <geeta.bhatnagar@nic.in>
Cc : Ashiho Asosii <aamao@bsi.gov.in>, Dr Sudhansu Sekhar Dash <ssdash@bsi.gov.in>

Sir,

In reference to the above subject, please see the attached file containing the reply from BSI on Lok Sabha Starred/Unstarred diary No. 24 regarding 'Invasive Species of Trees' to be answered on 04.12.2023.

Thanking You

.....
Technical Section

Botanical Survey of India, HQ

Salt Lake City, Kolkata - 700 064

Emails: *tech@bsi.gov.in ; tech.bsi2021@gmail.com*

From: ssdash2002@gmail.com
To: "Technical Section BSI" <tech@bsi.gov.in>, skyadavbsic@gmail.com
Sent: Tuesday, November 28, 2023 4:57:15 PM
Subject: Fwd: Lok sabha Starred Dairy no.24 due for answer on 04/12/2023 on Invasive Species of Trees

----- Forwarded message -----

From: **ZSIHQ Kolkata** <zsikolkata@gmail.com>
Date: Tue, 28 Nov, 2023, 4:17 PM
Subject: Fwd: Lok sabha Starred Dairy no.24 due for answer on 04/12/2023 on Invasive Species of Trees
To: Sudhansu Sekhar Dash <ssdash2002@gmail.com>, Murugan Chidambaram <hoo-hqrs@bsi.gov.in>

**Head of Office,
Zoological Survey of India,
Prani Vigyan Bhawan, M-Block,**

New Alipore, Kolkata - 700053

Telefax: 033-24008595

Phone : 03324002856

----- Forwarded message -----

From: **DHRITI BANERJEE** <director@zsi.gov.in>

Date: Tue, Nov 28, 2023 at 3:12 PM

Subject: Fwd: Lok sabha Starred Dairy no.24 due for answer on 04/12/2023 on Invasive Species of Trees

To: ZSIHeadofOffice <zsikolkata@gmail.com>



Dr. Dhriti Banerjee

Director

Zoological Survey of India

Ministry of Environment, Forests & Climate Change
(Govt. of India)



From: naebmoef@gmail.com

To: "DHRITI BANERJEE" <director@zsi.gov.in>, "Ashiho Asosii Mao" <hq@bsi.gov.in>, dg@icfre.org, "DG FSI" <dgfsi@fsi.nic.in>

Sent: Tuesday, November 28, 2023 12:48:31 PM

Subject: Re: Lok sabha Starred Dairy no.24 due for answer on 04/12/2023 on Invasive Species of Trees

Reminder for Lok sabha Starred Dairy no.24 due for answer on 04/12/2023 on Invasive Species.

Please provide the inputs for the above said question latest by 28/11/2023 at 2.00 pm.

On Fri, Nov 24, 2023 at 3:00 PM naeb Moef <naebmoef@gmail.com> wrote:

Respected sir

Please provide information for the above said question of Parliament.

Thanks and Regards,

National Afforestation & Eco-Development Board (NAEB)

Ministry of Environment, Forest & Climate Change (MoEFCC)

Government of India



भारत सरकार
GOVERNMENT OF INDIA
पर्यावरण, वन एवं जलवायु परिवर्तन मंत्रालय
MINISTRY OF ENVIRONMENT, FOREST & CLIMATE
CHANGE



भारतीय वनस्पति सर्वेक्षण / BOTANICAL SURVEY OF INDIA
सी.जी.ओ. कॉम्प्लेक्स / CGO COMPLEX
तृतीय एम. एस. ओ. भवन / 3RD MSO BUILDING
पाँचवां और छठा तल / 5TH & 6TH FLOOR
डी एफ ब्लॉक, सेक्टर 1 / DF BLOCK, SECTOR 1
साल्टलेक, कोलकाता-६४ / SALT LAKE, KOLKATA - 700064
Tel.: (033) 2321 4050 [Tech. Section] ; E-mail: tech@bsi.gov.in

फाइलसंख्या/ File No.: BSI- 286/1 (Parl.) / 2023 -Tech./1693 दिनांक/Date : 29th November, 2023

सेवामें / To

The Secretary
Ministry of Environment, Forest and Climate Change
Indira Paryavaran Bhawan, Jor Bagh Road
New Delhi - 110003

[Kind attention: Shri B. Abhay Bhaskar, Deputy Inspector General of Forests (NAEB)]

Subject: Starred Lok Sabha question (Diary No. 24) on "Invasive species of Trees" for an answer on 04.12.2023 - reg.

महोदय/ Sir,

With reference to your letter vide no.3-45/2023-B.1 dated 24.11.2023 regarding the Starred Lok Sabha question (Diary No. 24) on "Invasive species of Trees" for an answer on 04.12.2023, I am directed to furnish herewith the following information for your kind perusal and necessary action as follows:

(a) whether the Government has taken a serious note on the threats from Bio Invasion in the country;

Answer: This question does not pertain to BSI.

(b) if so, the details of such bio invasions harmful to the eco system of the country, State wise;

Answer: Not Applicable.

(c) whether the Government has any proposal for Eco-Restoration to suppress the growth of invasive species of trees;

Answer: Yes.

(d) if so, the details thereof?

Answer: Some of the important steps taken by the Government for Eco-restoration to suppress the growth of invasive species of trees and safeguard the native biodiversity include survey, inventorization, taxonomic validation and threat assessment of floral and faunal resources; assessment of the forest cover to develop an accurate database for planning and monitoring; establishment of Protected Area Network of National Parks, Wildlife Sanctuaries, Conservation and Community Reserves; designating Biosphere Reserves for conservation of representative ecosystems; undertaking of species oriented conservation programmes; *ex-situ* conservation of plants etc.

In addition, The Wild Life (Protection) Act 1972 and the Biological Diversity Act 2002 have also been enacted with the aim to conserve biological resources of the country and regulation of access to these resources to ensure equitable sharing of benefits arising out of their use. Under these acts, the National Biodiversity Authority (NBA) and the State Biodiversity Boards (SBBs) have been set up for implementing the provisions of the Act. Besides, the Government operates many centrally sponsored schemes and provide financial assistance to states and UTs such as Integrated Development of Wildlife Habitat; Project Tiger, and Project Elephant for better protection and conservation of wildlife and their habitat; and Identification of Forest Management Scheme towards protection and management of forests.

(e) *whether the Government has any proposal to extent the area of native plantation within the reserve forests of the country; and*

Answer: This does not pertain to BSI.

(f) *if so, the details thereof?*

Answer: Not Applicable to BSI.

This issues with the approval of Director, Botanical Survey of India.

सधन्यवाद/ Thanking you,

भवदीय/Yours Sincerely

1/5/2023
29/11/2023

(एस. एस. दाश / S. S. Dash)

वैज्ञानिकएफ/ Scientist 'F'

(प्रभारी, तकनीकीअनुभाग / In-charge, Tech. Section)

 Lok Sabha Q No.24.pdf

150 KB

Email

Technical Section BSI

Re: Lok sabha Starred Dairy no.24 due for answer on 04/12/2023 on Invasive Species of Trees

From : Technical Section BSI <tech@bsi.gov.in> Wed, Nov 29, 2023 03:19 PM
Subject : Re: Lok sabha Starred Dairy no.24 due for answer on 04/12/2023 on Invasive Species of Trees 2 attachments
To : Dr. Sanjay Kumar Shukla <igf.naeb@gov.in>, ABHAY BHASKAR BARAPATRE <abhay.78@gov.in>, naebmoef@gmail.com, sobsi2012 <sobsi2012@gmail.com>, GEETA BHATNAGAR <geeta.bhatnagar@nic.in>
Cc : Ashiho Asosii <aamao@bsi.gov.in>, Dr Sudhansu Sekhar Dash <:ssdash@bsi.gov.in>

Sir,

In reference to the above subject, please see the attached file containing the reply from BSI on Lok Sabha Starred/Unstarred diary No. 24 regarding 'Invasive Species of Trees' to be answered on 04.12.2023.

Thanking You

.....
Technical Section

Botanical Survey of India, HQ

Salt Lake City, Kolkata - 700 064

Emails: *tech@bsi.gov.in ; tech.bsi2021@gmail.com*

From: ssdash2002@gmail.com
To: "Technical Section BSI" <tech@bsi.gov.in>, skyadavbsic@gmail.com
Sent: Tuesday, November 28, 2023 4:57:15 PM
Subject: Fwd: Lok sabha Starred Dairy no.24 due for answer on 04/12/2023 on Invasive Species of Trees

----- Forwarded message -----

From: ZSIHQ Kolkata <zsikolkata@gmail.com>

Date: Tue, 28 Nov, 2023, 4:17 PM

Subject: Fwd: Lok sabha Starred Dairy no.24 due for answer on 04/12/2023 on Invasive Species of Trees

To: Sudhansu Sekhar Dash <:ssdash2002@gmail.com>, Murugan Chidambaram <hoo-hqrs@bsi.gov.in>

**Head of Office,
Zoological Survey of India,
Prani Vigyan Bhawan, M-Block,**

New Alipore, Kolkata - 700053
Telefax: 033-24008595
Phone : 03324002856

----- Forwarded message -----

From: **DHRITI BANERJEE** <director@zsi.gov.in>

Date: Tue, Nov 28, 2023 at 3:12 PM

Subject: Fwd: Lok sabha Starred Dairy no.24 due for answer on 04/12/2023 on Invasive Species of Trees

To: ZSIHeadofOffice <zsikolkata@gmail.com>



Dr. Dhriti Banerjee

Director

Zoological Survey of India

Ministry of Environment, Forests & Climate Change
(Govt. of India)



From: naebmoef@gmail.com

To: "DHRITI BANERJEE" <director@zsi.gov.in>, "Ashiho Asosii Mao" <hq@bsi.gov.in>, dg@icfre.org, "DG FSI" <dgfsi@fsi.nic.in>

Sent: Tuesday, November 28, 2023 12:48:31 PM

Subject: Re: Lok sabha Starred Dairy no.24 due for answer on 04/12/2023 on Invasive Species of Trees

Reminder for Lok sabha Starred Dairy no.24 due for answer on 04/12/2023 on Invasive Species.

Please provide the inputs for the above said question latest by 28/11/2023 at 2.00 pm.

On Fri, Nov 24, 2023 at 3:00 PM naeb Moef <naebmoef@gmail.com> wrote:

Respected sir

Please provide information for the above said question of Parliament.

Thanks and Regards,
National Afforestation & Eco-Development Board (NAEB)
Ministry of Environment, Forest & Climate Change (MoEFCC)
Government of India

 **Lok Sabha Q No.24.pdf**
150 KB

PDF.js

MOST URGENT
PARLIAMENT MATTER

No.3-45 2023-B.1
Government of India
Ministry of Environment, Forest & Climate Change
National Afforestation & Eco-Development Board

7th Floor, Pt. Deendayal Anandodaya Bhawan,
CGO Complex, Lodi Road
New Delhi -110 003.
Dated: 24/11/2023

To,

1. The Director, ZSI, Prani Vigyan Bhawan, M-Block,
New Alipore, Kolkata
2. The Director, BSI, CGO Complex, 3rd MSO Building,
Block F (5th and 6th Floor), DF Block, Sector-I, Salt Lake, Kolkata
3. The Director General, ICIRL, Chakarata Rd. New Forest,
P.O. Indian Military Academy, Dehradun, Uttarakhand
4. The Director General, Forest Survey of India (FSI)
Kaulagarh Road, P.O. IPE, Dehradun

Subject: Lok Sabha Starred Dairy No. 24 due for answer on 04/12/2023 on 'Invasive species of Trees' – regarding

Sir,

I am directed to refer Lok Sabha Starred Dairy No. 24 due for answer on 04/12/2023 on 'Invasive species of Trees' text of which is reproduced below :

- (a) whether the Government has taken a serious note on the threats from Bio Invasions in the country;
- (b) if so, the details of such bio invasions harmful to the eco system of the country, State-wise;
- (c) whether the Government has any proposal for Eco-Restoration to suppress the growth of invasive species of trees;
- (d) if so, the details thereof;
- (e) whether the Government has any proposal to extent the area of native plantations within the reserve forests of the country; and
- (f) if so, the details thereof?

It is requested that the requisite information for reply of the question may kindly be provided latest by 28/11/2023 at 02:00 pm. through email ID igf.naeb@gov.in & abhay.78@gov.in


(B. Abhay Bhaskar)
Deputy Inspector General of Forests (NAEB)
Tel: 24367404

MOST URGENT
PARLIAMENT MATTER

No.3-45/2023-B.1
Government of India
Ministry of Environment, Forest & Climate Change
National Afforestation & Eco-Development Board

7th Floor, Pt. Deendayal Antyodaya Bhawan,
CGO Complex, Lodi Road
New Delhi -110 003.
Dated: 24/11/2023

To,

1. The Director, ZSI, Prani Vigyan Bhawan, M-Block,
New Alipore, Kolkata
2. The Director, BSI, CGO Complex, 3rd MSO Building,
Block F (5th and 6th Floor), DF Block, Sector-I, Salt Lake, Kolkata
3. The Director General, ICFRE, Chakarata Rd. New Forest,
P.O, Indian Military Academy, Dehradun, Uttarakhand
4. The Director General, Forest Survey of India (FSI)
Kaulagarh Road, P.O. IPE, Dehradun

Subject: Lok Sabha Starred Dairy No. 24 due for answer on 04/12/2023 on 'Invasive species of Trees' – regarding

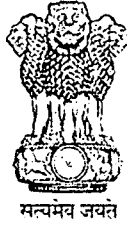
Sir,

I am directed to refer Lok Sabha Starred Dairy No. 24 due for answer on 04/12/2023 on 'Invasive species of Trees' text of which is reproduced below :

- (a) whether the Government has taken a serious note on the threats from Bio Invasions in the country;
- (b) if so, the details of such bio invasions harmful to the eco system of the county, State-wise;
- (c) whether the Government has any proposal for Eco-Restoration to suppress the growth of invasive species of trees;
- (d) if so, the details thereof;
- (e) whether the Government has any proposal to extent the area of native plantations within the reserve forests of the country; and
- (f) if so, the details thereof?

It is requested that the requisite information for reply of the question may kindly be provided latest by 28/11/2023 at 02:00 pm. through email ID igf.naeb@gov.in & abhay.78@gov.in


(B. Abhay Bhaskar)
Deputy Inspector General of Forests (NAEB)
Tel: 24367404



भारत सरकार
GOVERNMENT OF INDIA
पर्यावरण, वन एवं जलवायु परिवर्तन मंत्रालय
MINISTRY OF ENVIRONMENT, FOREST & CLIMATE
CHANGE

भारतीय वनस्पति सर्वेक्षण / BOTANICAL SURVEY OF INDIA
सी.जी.ओ. कॉम्प्लेक्स / CGO COMPLEX
तृतीय एम. एस. ओ. भवन / 3RD MSO BUILDING
पाँचवाँ और छठा तल / 5TH & 6TH FLOOR
डी एफ ब्लॉक, सेक्टर 1 / DF BLOCK, SECTOR 1
साल्टलेक, कोलकाता-६४ / SALT LAKE, KOLKATA – 700064
Tel.: (033) 2321 4050 [Tech. Section] ; E-mail: tech@bsi.gov.in

फ़ाइल संख्या/ File No.: BSI-286/1 (Parl.) / 2024 -Tech.

दिनांक/Date : 1.2.2024

सेवा में / To

The Secretary
Ministry of Environment, Forest and Climate Change
Indira Paryavaran Bhawan, Jor Bagh Road
New Delhi - 110003

(Kind attention: Ms. Geeta Bhatnagar, Under Secretary, MoEF&CC, New Delhi)

Subject: Rajya Sabha admitted unstarred Question Diary No. U1263 for answer on 08.02.2024 regarding “Low allocation of Research and Innovation” - reg.

महोदया/ Madam,

With reference to your email, dated 30th January, 2024 regarding **Low allocation of Research and Innovation**, I am directed to furnish herewith the following information for your kind perusal and necessary action as follows:

- a) *Whether the Government acknowledges the reported low allocation of Research and Innovation expenditure related to the environment, with the Department of Science and Technology, indicating that the Ministry of Environment, Forests and Climate change accounting for only 0.8% of the major R&I expenditure of the Union Government*

Answer: The MoEF&CC has been entrusted in the policy decision of the government on environmental issues. Its subordinate organizations are involved in various Research and Innovation (R & I) works, and thus the expenditure. The budget allocation on Research and Innovation in MoEF&CC is proportionate to the strength of the organization and Manpower. However, a higher allocation may pave a way for engaging more manpower and may yield in higher scientific outputs.

- b) *If so, the details thereof?*

Answer: Not pertaining to BSI.

- c) *Whether the Ministry has engaged with the scientific community, including environmental scientists, to ensure that the NRF's institutional bodies are led by professionals from various scientific disciplines; and*

Answer: Yes.

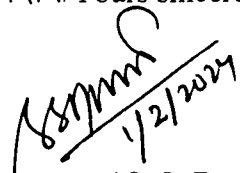
- d) *If so, the details thereof?*

Answer: The Ministry's engagement with the scientific community has involved strategic consultations, collaborations, and dialogue sessions with environmental scientists and experts. These efforts aim to foster inclusivity, expertise-driven leadership, and a multidisciplinary approach within the NRF's institutional framework. Details regarding specific initiatives, partnerships, and outcomes of these engagements may vary and require further exploration for comprehensive understanding and evaluation.

This issues with the approval of Director, Botanical Survey of India.

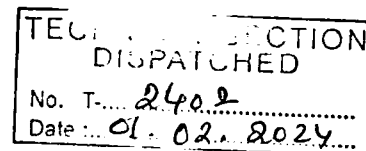
सधन्यवाद/ Thanking you,

भवदीय/Yours sincerely


(एस. एस. दाश / S. S. Dash)

वैज्ञानिक एफ / Scientist 'F'

(प्रभारी, तकनीकी अनुभाग / In- charge, Tech. Section)



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DISPATCHED
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Email

Technical Section BSI

Rajya Sabha admitted unstarred Question Diary No. U1263 for answer on 08.02.2024 regarding "Low allocation of Research and Innovation" - reg.

From : Technical Section BSI <tech@bsi.gov.in>

Thu, Feb 01, 2024 06:19 PM

Subject : Rajya Sabha admitted unstarred Question Diary No. U1263 for answer on 08.02.2024 regarding "Low allocation of Research and Innovation" - reg.

1 attachment

To : GEETA BHATNAGAR <geeta.bhatnagar@nic.in>, sobsi2012 <sobsi2012@gmail.com>

Cc : Ashiho Asosii <aamao@bsi.gov.in>, aamao2008 <aamao2008@gmail.com>, ssdash2002 <:ssdash2002@gmail.com>, Umeshkumar L. Tiwari <ukltiwari@bsi.gov.in>, Sudhir Kumar Yadav <skyadav@bsi.gov.in>

Madam,

With reference to the subject mentioned above, I am directed to send herewith reply of the parliamentary Question No. U1263 from BSI.

The signed copy of the letter is attached herewith, which may please be perused.

Thanking You,

With regards,
Dr. Sudhir Yadav
Botanist, HQ

.....
Technical Section

Botanical Survey of India, HQ

Salt Lake City, Kolkata - 700 064

Emails: *tech@bsi.gov.in ; tech.bsi2021@gmail.com*

Secretary MoEF& CC (01.02.24).pdf

164 KB



भारत सरकार

GOVERNMENT OF INDIA

पर्यावरण, वन एवं जलवायु परिवर्तन मंत्रालय

MINISTRY OF ENVIRONMENT, FOREST & CLIMATE
CHANGE

भारतीय वनस्पति सर्वेक्षण / BOTANICAL SURVEY OF INDIA

सी.जी.ओ. कॉम्प्लेक्स / CGO COMPLEX

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पाँचवाँ और छठा तल / 5TH & 6TH FLOOR

डी एफ ब्लॉक, सेक्टर-1 / DF BLOCK, SECTOR I

साल्टलेक, कोलकाता-६४ / SALT LAKE, KOLKATA - 700064

Tel.: (033) 2321 4050 [Tech. Section] ; E-mail: tech@bsi.gov.in

फ़ाइल संख्या/ File No.: BSI-286/1 (Parl.) / 2024 -Tech.

दिनांक/Date : 1.2. 2024

सेवा में / To

The Secretary

Ministry of Environment, Forest and Climate Change

Indira Paryavaran Bhawan, Jor Bagh Road

New Delhi - 110003

(Kind attention: Ms. Geeta Bhatnagar, Under Secretary, MoEF&CC, New Delhi)

Subject: Rajya Sabha admitted unstarred Question Diary No. U1263 for answer on 08.02.2024 regarding “Low allocation of Research and Innovation” - reg.

महोदया/ Madam,

With reference to your email, dated 30th January, 2024 regarding **Low allocation of Research and Innovation**, I am directed to furnish herewith the following information for your kind perusal and necessary action as follows:

- a) *Whether the Government acknowledges the reported low allocation of Research and Innovation expenditure related to the environment, with the Department of Science and Technology, indicating that the Ministry of Environment, Forests and Climate change accounting for only 0.8% of the major R&I expenditure of the Union Government*

Answer: The MoEF&CC has been entrusted in the policy decision of the government on environmental issues. Its subordinate organizations are involved in various Research and Innovation (R & I) works, and thus the expenditure. The budget allocation on Research and Innovation in MoEF&CC is proportionate to the strength of the organization and Manpower. However, a higher allocation may pave a way for engaging more manpower and may yield in higher scientific outputs.

- b) *If so, the details thereof?*

Answer: Not pertaining to BSI.

- c) *Whether the Ministry has engaged with the scientific community, including environmental scientists, to ensure that the NRF's institutional bodies are led by professionals from various scientific disciplines; and*

Answer: Yes.

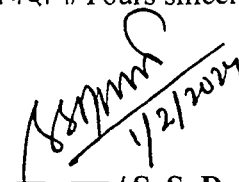
- d) *If so, the details thereof?*

Answer: The Ministry's engagement with the scientific community has involved strategic consultations, collaborations, and dialogue sessions with environmental scientists and experts. These efforts aim to foster inclusivity, expertise-driven leadership, and a multidisciplinary approach within the NRF's institutional framework. Details regarding specific initiatives, partnerships, and outcomes of these engagements may vary and require further exploration for comprehensive understanding and evaluation.

This issues with the approval of Director, Botanical Survey of India.

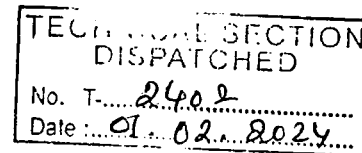
सधन्यवाद/ **Thanking you,**

भवदीय/Yours sincerely


(एस. एस. दाश / S. S. Dash)

वैज्ञानिक एफ / Scientist 'F'

(प्रभारी, तकनीकी अनुभाग / In-charge, Tech. Section)



Email

Technical Section BSI

Rajya Sabha admitted unstarred Question Diary No. U1263 for answer on 08.02.2024 regarding "Low allocation of Research and Innovation" - reg.

From : Technical Section BSI <tech@bsi.gov.in>

Thu, Feb 01, 2024 06:19 PM

Subject : Rajya Sabha admitted unstarred Question Diary No. U1263 for answer on 08.02.2024 regarding "Low allocation of Research and Innovation" - reg.

 1 attachment

To : GEETA BHATNAGAR <geeta.bhatnagar@nic.in>, sobsi2012 <sobsi2012@gmail.com>

Cc : Ashiho Asosii <aamao@bsi.gov.in>, aamao2008 <aamao2008@gmail.com>, ssdash2002 <:ssdash2002@gmail.com>, Umeshkumar L. Tiwari <ukltiwari@bsi.gov.in>, Sudhir Kumar Yadav <skyadav@bsi.gov.in>

Madam,

With reference to the subject mentioned above, I am directed to send herewith reply of the parliamentary Question No. U1263 from BSI. The signed copy of the letter is attached herewith, which may please be perused.

Thanking You,

With regards,
Dr. Sudhir Yadav
Botanist, HQ

.....
Technical Section

Botanical Survey of India, HQ

Salt Lake City, Kolkata - 700 064

Emails: *tech@bsi.gov.in* ; *tech.bsi2021@gmail.com*

 **Secretary MoEF& CC (01.02.24).pdf**

164 KB



Tech. Sect. pl.
01/02/2024
Parliament Section

Low allocation of Research and Innovation

From : rsqns@sansad.nic.in

Wed, Jan 24, 2024 05:54 PM

Subject : Low allocation of Research and Innovation

To : parlsec-mef@nic.in

PROVISIONALLY ADMITTED QUESTION FOR THE RAJYA SABHA

Starred /Unstarred Diary No.-- U1263

The Question Will be put down for -- 08/02/2024

Answer on the Ministry Department -- Environment, Forest and Climate Change(EFCC)

Low allocation of Research and Innovation

Whether the government acknowledges the reported low allocation of Research and Innovation expenditure related to the environment, with the Department of Science and Technology, indicating that the Ministry of Environment, Forests and Climate Change accounted for only 0.8% of the major R&I expenditure of the Union Government; (b) if so, the details thereof; (c) Whether the Ministry has engaged with the scientific community, including environmental scientists, to ensure that the NRF's institutional bodies are led by professionals from various scientific disciplines; and (d) if so, the details thereof?

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Raymond (sec c)
ASO (NPG)

TECHNICAL SECTION, OFFICE OF DIRECT -- BSI,
T-463
Dy. No.
Date 01-02-2024



Sudhir Kumar Yadav <skyadavbsic@gmail.com>

Re: Comments on parliamentary question No. U1263 - reg.

1 message

fernsbenni <fernsbenni@gmail.com>

Thu, Feb 1, 2024 at 2:00 PM

To: Technical Section BSI <tech@bsi.gov.in>, Sudhansu sekhar Dash <ssdash2002@gmail.com>, BSI Technical Section <tech.bsi2021@gmail.com>, "Umeshkumar Tiwari <" <tigerumesh11@gmail.com>, Sudhir Kumar Yadav <skyadavbsic@gmail.com>

Cc: Ashiho Asosii <aamao@bsi.gov.in>

Sir,

With reference to the subject mentioned above, I am enclosing herewith comments on the above mentioned subject for your kind perusal.

Thanking you

On Wed, Jan 31, 2024 at 5:30 PM Technical Section BSI <tech@bsi.gov.in> wrote:

Sir / Madam,

With reference to the subject mentioned above, I am directed to attach herewith a parliamentary question, received from the MoEF&CC and request you to furnish the comments in the return mail by **tomorrow i.e. 1.2.2024 (11 AM) positively.**

This may be treated as URGENT.

Thanking You,

With regards,
Sudhir Yadav
Botanist, HQ

.....
Technical Section
Botanical Survey of India, HQ
Salt Lake City, Kolkata - 700 064
Emails: tech@bsi.gov.in ; tech.bsi2021@gmail.com



--
Dr. A.BENNIAMIN M.Sc. Ph.D., FIFS
(Asia Member of IUCN SSC Group)
SCIENTIST 'F' & HEAD
BOTANICAL SURVEY OF INDIA
WESTERN REGIONAL CENTRE
PUNE- 411001
email : abenniamin@bsi.gov.in
Mobile ; 08275224250



Starred /Unstarred Diary No .-- U1263

The Question Will be put down for 08/02/2024

Whether the government acknowledges the reported low allocation of Research and Innovation expenditure ~related to the environment, with the Department of Science and Technology~ indicating that the Ministry of Environment~ Forests and Climate Change accounted for only 0.8% of the major R&I expenditure of the Union Government; (b) if so, the details thereof; (c) Whether the Ministry has engaged with the scientific community, including environmental scientists) to ensure that the NRF's institutional bodies are led by professionals from various scientific disciplines; and (d) if so the details thereof?

Reply :

1. The government has indeed acknowledged the reported low allocation of Research and Innovation (R&I) expenditure related to the environment, particularly within the Department of Science and Technology. The Ministry of Environment, Forests, and Climate Change accounted for a mere 0.8% of the major R&I expenditure of the Union Government, highlighting a concerning disparity in resource allocation towards environmental research and innovation.

2. Details regarding the acknowledgment of this low allocation have not been extensively provided. However, it is evident that the discrepancy in R&I expenditure allocation has drawn attention and concern from stakeholders, including environmentalists, scientists, and policymakers.

3. In response to the low allocation and in efforts to enhance collaboration with the scientific community, including environmental scientists, the Ministry has initiated engagements aimed at ensuring that professionals lead the National Research Foundation's (NRF) institutional bodies from various scientific disciplines.

4. The Ministry's engagement with the scientific community has involved strategic consultations, collaborations, and dialogue sessions with environmental scientists and experts. These efforts aim to foster inclusivity, expertise-driven leadership, and a multidisciplinary approach within the NRF's institutional framework. Details regarding specific initiatives, partnerships, and outcomes of these engagements may vary and require further exploration for comprehensive understanding and evaluation.

(एबेनियामिन/A.Benniamin)

(वैज्ञानिक 'इ' एवं कार्यालय अध्यक्ष /Scientist 'F' & Head of Office)

भावस/डब्ल्यूआरसी/पुणे/ BSI/WRC/Pune



Parliamentary Question Reply

In compliance to the Parliamentary question no -U1263 dated 24.01.2024, I am directed to state that:

1. Botanical Survey of India is a prime nodal organization under the MoEF&CC dealing with its primary mandate Survey, Collection, identification and documentation of plant wealth of the country and ex-situ conservation of EET species
2. The fund and project allocation for the research oriented programs is done at the BSI, HQ level.
3. BSI is funding the universities and other scientific research institutions with regard to the development of botanic gardens and also extends technical expertise and knowledge sharing with other departments.

Sd-

(Pushpa Kumari)
Scientist E & in-charge

Fwd: Provisionally Admitted Unstarred Question Diary No. U1263 -reg.

1 message

Sudhansu Sekhar Dash <ssdash2002@gmail.com>
To: "Sudhir Kr. Yadav, HQ" <skyadavbsic@gmail.com>

Tue, Jan 30, 2024 at 3:05 PM

----- Forwarded message -----

From: **GEETA BHATNAGAR** <geeta.bhatnagar@nic.in>

Date: Tue, 30 Jan, 2024, 2:34 PM

Subject: Fwd: Provisionally Admitted Unstarred Question Diary No. U1263 -reg.

To: Ashiho Asosii Mao <hq@bsi.gov.in>, Sudhansu sekhar Dash <ssdash2002@gmail.com>, Dr Sudhansu Sekhar Dash <ssdash@bsi.gov.in>, Hoo, BSI Hqrs <hoo-hqrs@bsi.gov.in>, Dhriti Banerjee <dhriti.banerjee@zsi.gov.in>, Gurupada Mandal <gpmandal.zsi@gmail.com>

Cc: sobsi2012 <sobsi2012@gmail.com>

Sneha
pls. put up
Sudhir
30/1/24

Sir/Madam

Please refer the trailing mail and expedite the information for the USQ.

Thanks and regards

From: "Mr Satyajit Mishra" <satyajit.mishra@nic.in>**To:** "Aravind K Agrawal" <diric-moefcc@gov.in>, "Smt.UrmilaHarit Smt.UrmilaHarit" <urmila.harit17@gov.in>, "Shankar Lal Bairwa" <sl.bairwa@nic.in>, "rs dot bora" <rs.bora@nic.in>, "rakesh sharma67"

<rakesh.sharma67@nic.in>, "ss meena28" <ss.meena28@gov.in>, "VINOD KUMAR" <vinod.69@gov.in>, "Satya Prakash" <satya.prakash79@gov.in>, "Naveen Kumar" <naveen.kmr@gov.in>, "Subhangi Jonnalagadda" <subhangi.g@nic.in>, "GEETA BHATNAGAR" <geeta.bhatnagar@nic.in>, "lk.bokolia" <lk.bokolia@nic.in>, "Rajendra Sharma" <rajendrasharma.edu@nic.in>, "Sundar Ramanathan" <r.sundar@nic.in>, "Sanjay Kumar" <sanjaykumar.moca@nic.in>, "V P Rajvedi" <vp.rajvedi@nic.in>, "Surabhi Rai" <surabhi.rai76@gov.in>, "Anand Kumar Prabhakar" <or154.ifs@nic.in>, "VIKRAM SINGH Under Secretary Proc.II" <vikramsingh.rth@nic.in>

Sent: Tuesday, January 30, 2024 12:47:48 PM**Subject:** Fwd: Provisionally Admitted Unstarred Question Diary No. U1263 -reg.

From: "RE Division MoEFCC" <rediv-mefcc@gov.in>

To: "Rajasree Ray" <rajasree.r@nic.in>, "Mr Lalsanglur" <lal.sanglur@nic.in>, "Mr Satyajit Mishra" <satyajit.mishra@nic.in>, "Anand Kumar Prabhakar" <or154.ifs@nic.in>, "Arvind Kumar" <arvind.kumar69@nic.in>, "Bishwajit Kumar Singh" <jk036.ifs@nic.in>, "Gunsagar Jain" <gunsagar.jain@gov.in>, "Nameeta Prasad" <nameeta.prasad@gov.in>, "Neelesh Kumar Sah" <sahnk@cag.gov.in>, "Sh.Pravir Pandey" <asfa-mef@nic.in>, "R Raghu Prasad" <raghu.prasad@gov.in>, "Ramesh Pandey" <ramesh.pandey@nic.in>, "Dr S Kerketta" <s.kerketta66@gov.in>, "Dr. Sanjay Kumar Shukla" <igf.naeb@gov.in>, "S. P. Yadav" <adgfc-mef@nic.in>, "Sujit Kumar Bajpayee" <sujit.baju@gov.in>, "Anshu Singh" <anshu.s@nic.in>, "Rita Khanna" <rita.khanna@nic.in>

Cc: "Ravindra Tiwari" <rk.tiwari83@gov.in>, "kumar.rajendra" <kumar.rajendra@gov.in>, "PRABHAT KUMAR" <prabhat.k1@gov.in>

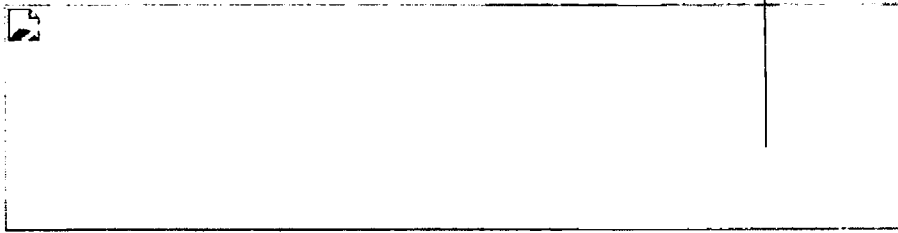
Sent: Tuesday, January 30, 2024 12:03:13 PM**Subject:** Provisionally Admitted Unstarred Question Diary No. U1263 -reg.

Respected Sir/ Madam,

Attention is invited to Parliament Section's email dated 24.01.2024 regarding Rajya Sabha USQ No. U1263 put down for 08.02.2024. Please find attached the said question for your kind perusal please. Inputs are sought on an immediate basis regarding the same from your respective divisions latest by 31.01.2024. This may be treated as **URGENT**.

Thanking You

With Regards,
RE Division
MoEF&CC



Rajya Sabha Unstarred QN U1263 dated 08.02.2024.pdf
405K

Low allocation of Research and Innovation

From : rsqns@sansad.nic.in

Wed, Jan 24, 2024 05:54 PM

Subject : Low allocation of Research and Innovation**To :** parlsec-mef@nic.in

PROVISIONALLY ADMITTED QUESTION FOR THE RAJYA SABHA

Starred /Unstarred Diary No.-- U1263

The Question Will be put down for -- 08/02/2024

Answer on the Ministry Department -- Environment, Forest and Climate Change(EFCC)

Low allocation of Research and Innovation

Whether the government acknowledges the reported low allocation of Research and Innovation expenditure related to the environment, with the Department of Science and Technology, indicating that the Ministry of Environment, Forests and Climate Change accounted for only 0.8% of the major R&I expenditure of the Union Government; (b) if so, the details thereof; (c) Whether the Ministry has engaged with the scientific community, including environmental scientists, to ensure that the NRF's institutional bodies are led by professionals from various scientific disciplines; and (d) if so, the details thereof?


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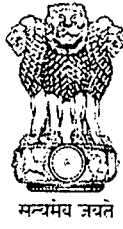
भारतसरकार

GOVERNMENT OF INDIA

पर्यावरण, वन एवं जलवायु परिवर्तन मंत्रालय

MINISTRY OF ENVIRONMENT, FOREST & CLIMATE CHANGE

EN 403294242 IN



सत्यमेव जयते

स्पीड पोस्ट / SPEED POST



भारतीय वनस्पतिसर्वेक्षण / BOTANICAL SURVEY OF INDIA

सी.जी.ओ. कॉम्प्लेक्स / CGO COMPLEX

तृतीय एम. एस.ओ. भवन / 3RD MSO BUILDING

पाँचवाँ और छठा तल / 5TH & 6TH FLOOR

डीएफ ब्लॉक, सेक्टर 1 / DF BLOCK, SECTOR I

साल्टलेक, कोलकाता-६४ / SALT LAKE, KOLKATA - 700064

Tel.: (033) 2321 4050 | Tech. Section | ; E-mail: tech@bsi.gov.in

फाइल संख्या/ File No.: BSI- 286/1 (Parl.) / 2023 -Tech.

दिनांक/Date : 29th November, 2023

सेवामें / To

The Secretary

Ministry of Environment, Forest and Climate Change

Indira Paryavaran Bhawan, Jor Bagh Road

New Delhi - 110003

(Kind attention: Ms. Geeta Bhatnagar, Under Secretary, MoEF&CC, New Delhi)

Subject: Unstarred Lok Sabha question (Diary No. 161) on MoU for Cooperation in the field of Environment for an answer on 04.12.2023 - reg.

महोदया/ Madam,

With reference to your email, dated 28.11.2023 regarding the Unstarred Lok Sabha question (Diary No. 161) on "MoU for Cooperation in the field of Environment" for answer on 04.12.2023, I am directed to furnish herewith the following information for your kind perusal and necessary action as follows:

(a) whether the Government has signed any Memorandum of Understanding (MoU) with many countries of the world for cooperation in the field of environment;

Answer: This question does not pertain to BSI.

(b) if so, the details thereof;

Answer: Not Applicable.

(c) whether the said treaty will help to introduce or transfer green technology in the country;

Answer: Not Applicable.

(a) and, if so, the details thereof?

Answer: Not Applicable.

This issues with the approval of Director, Botanical Survey of India.

सधन्यवाद/ Thanking you,

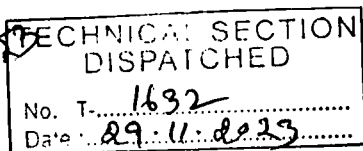
भवदीय / Yours sincerely,

(एस. एस. दाश / S. S. Dash)

वैज्ञानिक 'एफ' / Scientist 'F'

(प्रभारी, तकनीकी अनुभाग / In-charge, Tech. Section)

1746
प्रेषित / DESPATCHED
29-11-23



ANALYSIS

ANALYSIS

ANALYSIS

Email

Technical Section BSI

Fwd: Admitted Unstarred Question No. 161 for reply on 04.12.2023- reg.**From :** ssdash2002@gmail.com

Wed, Nov 29, 2023 10:47 AM

Subject : Fwd: Admitted Unstarred Question No. 161 for reply on 04.12.2023- reg.

1 attachment

To : skyadavbsic@gmail.com, Technical Section BSI <tech@bsi.gov.in>

----- Forwarded message -----

From: **GEETA BHATNAGAR** <geeta.bhatnagar@nic.in>**Date:** Wed, Nov 29, 2023 at 10:16 AM**Subject:** Fwd: Admitted Unstarred Question No. 161 for reply on 04.12.2023- reg.**To:** Dhriti Banerjee <dhriti.banerjee@zsi.gov.in>, Ashiho Asosii Mao <hq@bsi.gov.in>, Sudhansu sekhar Dash <ssdash2002@gmail.com>, Hoo, BSI Hqrs <hoo-hqrs@bsi.gov.in>, Gurupada Mandal <gpmandal.zsi@gmail.com>**Cc:** sobsi2012 <sobsi2012@gmail.com>, rs dot bora <rs.bora@nic.in>

Sir/Madam

Please refer the trailing mail and expedite the information for admitted Lok Sabha USQ for 04.12.2023 at the earliest.

Thanks and regards
Geeta Bhatnagar

From: "Mr Satyajit Mishra" <satyajit.mishra@nic.in>**To:** "Aravind K Agrawal" <diric-moefcc@gov.in>, "Suresh Kumar" <suresh1967@nic.in>, "Smt.UrmilaHarit Smt.UrmilaHarit" <urmila.harit17@gov.in>, "Shankar Lal Bairwa" <sl.bairwa@nic.in>, "rs dot bora" <rs.bora@nic.in>, "Pawan Kumar" <pawan.kumar65@nic.in>, "rakesh sharma67" <rakesh.sharma67@nic.in>, "ss meena28" <ss.meena28@gov.in>, "VINOD KUMAR" <vinod.69@gov.in>, "Satya Prakash" <satya.prakash79@gov.in>, "Amit Vashishtha" <amit.vashishtha@nic.in>, "Naveen Kumar" <naveen.kmr@gov.in>, "Subhangi Jonnalagadda" <subhangi.g@nic.in>, "GEETA BHATNAGAR" <geeta.bhatnagar@nic.in>, "lk.bokolia" <lk.bokolia@nic.in>, "Rajendra Sharma" <rajendrasharma.edu@nic.in>, "ASHOK SHARMA" <ashok.ksharma68@nic.in>, "Sundar Ramanathan" <r.sundar@nic.in>, "Sanjay Kumar" <sanjaykumar.moca@nic.in>, "V P Rajvedi" <vp.rajvedi@nic.in>, "Surabhi Rai" <surabhi.raii76@gov.in>, "Anand Kumar Prabhakar" <or154.ifs@nic.in>**Sent:** Tuesday, November 28, 2023 4:54:18 PM**Subject:** Fwd: Admitted Unstarred Question No. 161 for reply on 04.12.2023- reg.

From: "IC Division" <ic-moefcc@gov.in>

To: "Mr Satyajit Mishra" <satyajit.mishra@nic.in>, "Neelesh Kumar Sah" <sahnk@cag.gov.in>, "Sharath Kumar Pallerla" <sharath.kr@gov.in>, "RAGHU KUMAR KODALI" <kodali.rk@gov.in>, "Rajasree Ray" <rajasree.r@nic.in>, "Anshu Singh" <anshu.s@nic.in>, "Rita Khanna" <rita.khanna@nic.in>, "Nameeta Prasad" <nameeta.prasad@gov.in>, "Anand Kumar Prabhakar" <or154.ifs@nic.in>, "R Raghu Prasad" <raghu.prasad@gov.in>, "Rakesh Kumar JAGENIA" <digwl-mefcc@gov.in>, "Ramesh Pandey" <ramesh.pandey@nic.in>, "Dr S Kerketta" <s.kerketta66@gov.in>, "Dr. Sanjay Kumar Shukla" <igf.naeb@gov.in>, "S. P. Yadav" <adgfc-mef@nic.in>, "Sujit Kumar Bajpayee" <sujit.baju@gov.in>

Cc: "Naresh Pal Gangwar" <asnpg.mefcc@gov.in>, "Mr Tanmay Kumar" <tanmay.kumar-rj@gov.in>, "Mr Lalsanglur" <lal.sanglur@nic.in>, "BIVASH RANJAN" <adgwl-mef@nic.in>, "Sh.Pravir Pandey" <asfa-mef@nic.in>

Sent: Tuesday, November 28, 2023 4:48:54 PM

Subject: Admitted Unstarred Question No. 161 for reply on 04.12.2023- reg.

Respected Sir/ Madam,

I am directed to refer to the Admitted Unstarred Question No. 161 for reply on 04.12.2023 regarding MoU for Cooperation in the field of Environment. Divisions are requested to provide the inputs for the Question by tomorrow i.e. 29.11.2023 01:00 PM.

With regards,

International Cooperation Division
Ministry of Environment, Forest and Climate Change
Government of India
011-20819356



वसुधैव कुटुम्बकम्
ONE EARTH - ONE FAMILY - ONE FUTURE

--

Dr. Sudhansu Sekhar Dash, M.Sc., M.Phil., Ph.D. D.C.A. FIAAT
Scientist F & In-charge, Technical Division.
Chief Vigilance Officer (Botanical Survey of India)

Adjunct Faculty Member,

Maharshi Dayanand University Rohtak Haryana.

*Botanical Survey of India, III MSO Building, 5-6 Floor, CGO Complex, DF Block, Sector-1, Salt Lake,
KOLKATA-64*

Phone : 033-23214050 -O

 **Question No 161--11282023161322.pdf**
252 KB



Ministry of Environment, Forest and Climate Change
Parliament Section

Jal Wing, Ist Floor

Dated : 28/11/2023

Lok Sabha

Unstarred Question No: 161 Monday, Dated: 04/12/2023

MoU for Cooperation in the field of Environment

†161. SHRI RAMDAS C. TADAS:

Will the Minister of ENVIRONMENT, FOREST AND CLIMATE CHANGE

पर्यावरण, वन और जलवायु परिवर्तन मंत्री

be pleased to state:

(a) whether the Government has signed any Memorandum of Understanding (MoU) with many countries of the World for cooperation in the field of environment;

(b) if so, the details thereof;

(c) whether the said treaty will help to introduce or transfer green technology in the country; and

(d) if so, the details thereof?

IC

Ans
28/11/2023

DS (16) V. urgent
28/11/2023
urgent
28/11/2023
29/11/23
SO/US

Officer Concern

JS (NKS) - on tour

EA (RR) - 40

04-07-08

DDh Sd/s

28.11.23
SO/US (Parliament)



Email

Technical Section BSI

Re: Admitted Unstarred Question No. 161 for reply on 04.12.2023- reg.

From : Technical Section BSI <tech@bsi.gov.in> Wed, Nov 29, 2023 03:21 PM
Subject : Re: Admitted Unstarred Question No. 161 for reply on 04.12.2023- reg. 1 attachment
To : GEETA BHATNAGAR <geeta.bhatnagar@nic.in>, sobsi2012 <sobsi2012@gmail.com>
Cc : Ashiho Asosii <aamao@bsi.gov.in>, Dr Sudhansu Sekhar Dash <ssdash@bsi.gov.in>, Umeshkumar L. Tiwari <ukltiwari@bsi.gov.in>

Madam,

In reference to the above subject, please see the attached file containing the reply from BSI on Lok Sabha Starred/Unstarred diary No. 161 regarding ' MoU for Cooperation in the field of Environment' to be answered on 04.12.2023.

Thanking You

.....
Technical Section

Botanical Survey of India, HQ

Salt Lake City, Kolkata - 700 064

Emails: *tech@bsi.gov.in ; tech.bsi2021@gmail.com*

From: ssdash2002@gmail.com
To: skyadavbsic@gmail.com, "Technical Section BSI" <tech@bsi.gov.in>
Sent: Wednesday, November 29, 2023 10:29:34 AM
Subject: Fwd: Admitted Unstarred Question No. 161 for reply on 04.12.2023- reg.

----- Forwarded message -----

From: **GEETA BHATNAGAR** <geeta.bhatnagar@nic.in>
Date: Wed, Nov 29, 2023 at 10:16 AM
Subject: Fwd: Admitted Unstarred Question No. 161 for reply on 04.12.2023- reg.
To: Dhriti Banerjee <dhriti.banerjee@zsi.gov.in>, Ashiho Asosii Mao <hq@bsi.gov.in>, Sudhansu sekhar Dash <ssdash2002@gmail.com>, Hoo, BSI Hqrs <hoo-hqrs@bsi.gov.in>, Gurupada Mandal <gpmandal.zsi@gmail.com>
Cc: sobsi2012 <sobsi2012@gmail.com>, rs dot bora <rs.bora@nic.in>

Sir/Madam

Please refer the trailing mail and expedite the information for admitted Lok Sabha USQ for 04.12.2023 at the earliest.

Thanks and regards
Geeta Bhatnagar

From: "Mr Satyajit Mishra" <satyajit.mishra@nic.in>
To: "Aravind K Agrawal" <diric-moefcc@gov.in>, "Suresh Kumar" <suresh1967@nic.in>, "Smt.UrmilaHarit Smt.UrmilaHarit" <urmila.harit17@gov.in>, "Shankar Lal Bairwa" <sl.bairwa@nic.in>, "rs dot bora" <rs.bora@nic.in>, "Pawan Kumar" <pawan.kumar65@nic.in>, "rakesh sharma67" <rakesh.sharma67@nic.in>, "ss meena28" <ss.meena28@gov.in>, "VINOD KUMAR" <vinod.69@gov.in>, "Satya Prakash" <satya.prakash79@gov.in>, "Amit Vashishtha" <amit.vashishtha@nic.in>, "Naveen Kumar" <naveen.kmr@gov.in>, "Subhangi Jonnalagadda" <subhangi.g@nic.in>, "GEETA BHATNAGAR" <geeta.bhatnagar@nic.in>, "lk.bokolia" <lk.bokolia@nic.in>, "Rajendra Sharma" <rajendrasharma.edu@nic.in>, "ASHOK SHARMA" <ashok.ksharma68@nic.in>, "Sundar Ramanathan" <r.sundar@nic.in>, "Sanjay Kumar" <sanjaykumar.moca@nic.in>, "V P Rajvedi" <vp.rajvedi@nic.in>, "Surabhi Rai" <surabhi.rai76@gov.in>, "Anand Kumar Prabhakar" <or154.ifs@nic.in>
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Cc: "Naresh Pal Gangwar" <asnpg.mefcc@gov.in>, "Mr Tanmay Kumar" <tanmay.kumar-rj@gov.in>, "Mr Lalsanglur" <lal.sanglur@nic.in>, "BIVASH RANJAN" <adgwl-mef@nic.in>, "Sh.Pravir Pandey" <asfa-mef@nic.in>
Sent: Tuesday, November 28, 2023 4:48:54 PM
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Respected Sir/ Madam,

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With regards,

International Cooperation Division
Ministry of Environment, Forest and Climate Change
Government of India
011-20819356



75
Azadi Ka
Amrit Mahotsav



वसुधैव कुटुम्बकम्
ONE EARTH • ONE FAMILY • ONE FUTURE

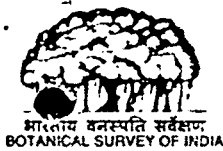
Dr. Sudhansu Sekhar Dash, M.Sc., M.Phil., Ph.D. D.C.A. FIAAT
Scientist F & In-charge, Technical Division.
Chief Vigilance Officer (Botanical Survey of India)

Adjunct Faculty Member,
Maharshi Dayanand University Rohtak Haryana.

Botanical Survey of India, III MSO Building, 5-6 Floor, CGO Complex, DF Block, Sector-1, Salt Lake,
KOLKATA-64

Phone : 033-23214050 -O

— Lok Sabha Q No.161.pdf
82 KB



EW0010103251N



स्पीड पोस्ट / SPEED POST



भारत सरकार

GOVERNMENT OF INDIA

पर्यावरण, वन एवं जलवायु परिवर्तन मंत्रालय

MINISTRY OF ENVIRONMENT, FOREST & CLIMATE
CHANGE

भारतीय वनस्पति सर्वेक्षण / BOTANICAL SURVEY OF INDIA

सी.जी.ओ. कॉम्प्लेक्स / CGO COMPLEX

तृतीय एम. एस. ओ. भवन / 3RD MSO BUILDINGपाँचवाँ और छठा तल / 5TH & 6TH FLOOR

डी एफ ब्लॉक, सेक्टर I / DF BLOCK, SECTOR I

साल्टलेक, कोलकाता-६४ / SALT LAKE, KOLKATA - 700064

Tel.: (033) 2321 4050 [Tech. Section] ; E-mail: tcch@bsi.gov.in

फाइलसंख्या/File No.: 281/19/2023-Tech.

दिनांक/Date : 2.2.2024

सेवामें / To

The Secretary

Ministry of Environment, Forest & Climate Change

Indira Paryavaran Bhawan

Jor Bagh Road

New Delhi - 110003

(Kind attention: Ms. Nameeta Prasad, JS, MoEF&CC, New Delhi)

विषय/ Subject: Comments on BBNJ for the upcoming meetings of G20 Working Group on Environment and Climate Sustainability under the Brazilian G20 Presidency - reg.

महोदया / Madam,

In reference to the email dated 31 January, 2024 on the subject mentioned above, I am directed to inform that while going through the draft it is found that the Biological Diversity of Areas beyond National Jurisdiction (BBNJ) Agreement represents a landmark endeavor aimed at addressing the conservation and sustainable use of marine biodiversity in areas beyond national jurisdiction. As our country positions itself for the upcoming meetings, it is imperative to underscore the key comments for your kind perusal as follow:

1. **Ratification Advocacy:** Encourage the ratification of the BBNJ Agreement by engaging with relevant stakeholders, including governmental bodies, non-governmental organizations, scientific communities, and the private sector. Emphasize the importance of collective action in safeguarding marine biodiversity and underline the potential benefits of ratification for sustainable ocean governance.
2. **Resource Mobilization:** Advocate for the mobilization of resources to support the effective implementation of the BBNJ Agreement. This entails leveraging domestic funding mechanisms for payment for ecosystem services, exploring innovative financing mechanisms, and engaging in partnerships with national as well as international organizations and donors to facilitate capacity-building initiatives, research programs, and conservation projects related to marine biodiversity conservation.
3. **Capacity Building:** Prioritize capacity-building efforts to enhance national capacities in marine scientific research, monitoring, and enforcement activities. Foster collaboration between relevant institutions, promote knowledge sharing, and invest in training programs to strengthen the technical expertise and institutional frameworks necessary for the implementation of the BBNJ Agreement.

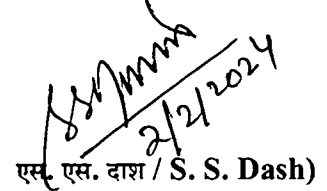
4. **Stakeholder Engagement:** Foster inclusive and transparent stakeholder engagement processes to ensure the active participation of all relevant stakeholders in decision-making processes related to marine biodiversity conservation. Facilitate multi-stakeholder dialogues, consultative forums, and public awareness campaigns to promote broader understanding and ownership of the BBNJ Agreement objectives and commitments.
5. **International Cooperation:** Strengthen diplomatic efforts to foster international cooperation and coordination in the implementation of the BBNJ Agreement. Actively engage in multilateral forums, regional initiatives, and bilateral partnerships to advance shared goals and promote synergies in addressing crosscutting challenges related to marine biodiversity conservation and sustainable ocean management.

In conclusion, the promotion of ratification and resource mobilization for the implementation of the BBNJ Agreement represents a pivotal opportunity for our country to demonstrate leadership and commitment to the conservation and sustainable use of marine biodiversity in areas beyond national jurisdiction. By adopting a proactive and collaborative approach, we can contribute to the global efforts aimed at safeguarding the health and resilience of our oceans for present and future generations.

This issues with the approval of Director, Botanical Survey of India.

सधन्यवाद / Thanking you,

भवदीय / Yours sincerely,


एस. एस. दाश / S. S. Dash)

वैज्ञानिकएफ/ Scientist 'F'

(प्रभारी, तकनीकीअनुभाग / In- charge, Tech. Section)

(1857)
DESPATCHED
B. Mandal
02-02-24

TECHNICAL SECTION
DISPATCHED
No. T- 2408
Date : 02.02.2024

Email

Technical Section BSI

Re: Most Urgent :comments on BBNJ for the upcoming meetings of G20 Working Group on Environment and Climate Sustainability under the Brazilian G20 Presidency

From : Dr Sudhansu Sekhar Dash <ssdash@bsi.gov.in> Fri, Feb 02, 2024 01:38 PM
Subject : Re: Most Urgent :comments on BBNJ for the upcoming meetings of G20 Working Group on Environment and Climate Sustainability under the Brazilian G20 Presidency 2 attachments
To : Nameeta Prasad <nameeta.prasad@gov.in>, sobsi2012@gmail.com, GEETA BHATNAGAR <geeta.bhatnagar@nic.in>
Cc : Ashiho Asosii <aamao@bsi.gov.in>, aamao2008@gmail.com, Technical Section BSI <tech@bsi.gov.in>

Maam,
Please find enclosed the comments of BSI on BBNJ for the upcoming meetings of G20 Working Group on Environment and Climate Sustainability under the Brazilian G20 Presidency for your kind perusal and consideration.
Regards
Dr S.S.Dash

From: "Nameeta Prasad" <nameeta.prasad@gov.in>
To: "Ashiho Asosii Mao" <hq@bsi.gov.in>, "Dr Sudhansu Sekhar Dash" <ssdash@bsi.gov.in>, "DHRITI BANERJEE" <director@zsi.gov.in>
Sent: Wednesday, January 31, 2024 6:34:56 PM
Subject: Fwd: Most Urgent :comments on BBNJ for the upcoming meetings of G20 Working Group on Environment and Climate Sustainability under the Brazilian G20 Presidency

From: "Amrita Gupta" <amrita.gupta@nic.in>
To: "Achuta Nand Shukla" <achuta.shukla@gov.in>, "Prashant Srivastava" <srivastava.pks@gov.in>, "Mangalaa K.R." <mangalaa.kr@gov.in>
Cc: "Rajasree Ray" <rajasree.r@nic.in>, "Nameeta Prasad" <nameeta.prasad@gov.in>, "Ruchika Drall" <ruchika.drall@gov.in>
Sent: Wednesday, January 31, 2024 6:17:18 PM
Subject: Most Urgent :comments on BBNJ for the upcoming meetings of G20 Working Group on Environment and Climate Sustainability under the Brazilian G20 Presidency

Respected Mam/Sir,

I am directed to refer to the issue note of Environment and Climate Sustainability Working Group (ECSWG) developed under the Brazilian G20 Presidency. The enclosed note has been deliberated during the virtual meeting held on 29th and 30th January 2024

In this regard it is requested to review the Priority 3 oceans specifically for "Biological Diversity of Areas beyond National Jurisdiction (BBNJ)- Promote ratification and mobilize resources for the implementation of the BBNJ

Agreement " and furnish comments (1-2 pager) enabling SCM to prepare the country's position for the upcoming meetings.

With Regards
Amrita Gupta
Scientist B
Sustainable Coastal Management Division
MoEFCC
Tel:011-20819793

--

*Nameeta Prasad,
Joint Secretary to the Govt of India,
Ministry of Environment, Forests and Climate Change,
Indira Pariyavaran Bhawan,
New Delhi*

नमिता प्रसाद,
संयुक्त सचिव, भारत सरकार
पर्यावरण, वन और जलवायु परिवर्तन मंत्रालय,
इंदिरा पर्यावरण भवन,
नयी दिल्ली

— **BSI reply on G20 working Group.docx**
199 KB

— **MoEF-G20 Working Group -BSI comments.pdf**
136 KB



भारत सरकार
GOVERNMENT OF INDIA
पर्यावरण, वन एवं जलवायु परिवर्तन मंत्रालय
MINISTRY OF ENVIRONMENT, FOREST & CLIMATE
CHANGE

भारतीय वनस्पति सर्वेक्षण / BOTANICAL SURVEY OF INDIA
सी.जी.ओ. कॉम्प्लेक्स / CGO COMPLEX
तृतीय एम. एस. ओ. भवन / 3RD MISO BUILDING
पाँचवाँ और छठा तल / 5TH & 6TH FLOOR
डी एफ ब्लॉक, सेक्टर 1 / DF BLOCK, SECTOR 1
साल्टलेक, कोलकाता-६४ / SALT LAKE, KOLKATA - 700064
Tel.: (033) 2321 4050 [Tech. Section] : E-mail: tech@bsi.gov.in

फाइलसंख्या/File No.: 281/19/2023-Tech. / ५५६४

दिनांक/Date : 2.2.2024

सेवामें / To

The Secretary
Ministry of Environment, Forest & Climate Change
Indira Paryavaran Bhawan
Jor Bagh Road
New Delhi - 110003

(Kind attention: Ms. Nameeta Prasad, JS, MoEF&CC, New Delhi)

विषय/ Subject: Comments on BBNJ for the upcoming meetings of G20 Working Group on Environment and Climate Sustainability under the Brazilian G20 Presidency - reg.

महोदया / Madam,

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1. **Ratification Advocacy:** Encourage the ratification of the BBNJ Agreement by engaging with relevant stakeholders, including governmental bodies, non-governmental organizations, scientific communities, and the private sector. Emphasize the importance of collective action in safeguarding marine biodiversity and underline the potential benefits of ratification for sustainable ocean governance.
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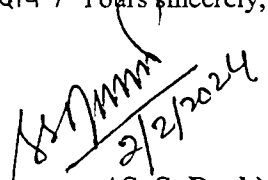
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In conclusion, the promotion of ratification and resource mobilization for the implementation of the BBNJ Agreement represents a pivotal opportunity for our country to demonstrate leadership and commitment to the conservation and sustainable use of marine biodiversity in areas beyond national jurisdiction. By adopting a proactive and collaborative approach, we can contribute to the global efforts aimed at safeguarding the health and resilience of our oceans for present and future generations.

This issues with the approval of Director, Botanical Survey of India.

सधन्यवाद / Thanking you,

भवदीय / Yours sincerely,


2/2/2024
एस. एस. दाश / S. S. Dash)

वैज्ञानिक/ Scientist 'F'

(प्रभारी, तकनीकीअनुभाग / In-charge, Tech. Section)

Comments on BBNJ for the upcoming meetings of G20 Working Group on Environment and Climate Sustainability under the Brazilian G20 Presidency.

The Biological Diversity of Areas beyond National Jurisdiction (BBNJ) Agreement represents a landmark endeavor aimed at addressing the conservation and sustainable use of marine biodiversity in areas beyond national jurisdiction. As our country positions itself for the upcoming meetings, it is imperative to underscore the following key points:

1. **Ratification Advocacy:** Encourage the ratification of the BBNJ Agreement by engaging with relevant stakeholders, including governmental bodies, non-governmental organizations, scientific communities, and the private sector. Emphasize the importance of collective action in safeguarding marine biodiversity and underline the potential benefits of ratification for sustainable ocean governance.
2. **Resource Mobilization:** Advocate for the mobilization of resources to support the effective implementation of the BBNJ Agreement. This entails leveraging domestic funding mechanisms, exploring innovative financing mechanisms, and engaging in partnerships with international organizations and donors to facilitate capacity-building initiatives, research programs, and conservation projects related to marine biodiversity conservation.
3. **Capacity Building:** Prioritize capacity-building efforts to enhance national capacities in marine scientific research, monitoring, and enforcement activities. Foster collaboration between relevant institutions, promote knowledge sharing, and invest in training programs to strengthen the technical expertise and institutional frameworks necessary for the implementation of the BBNJ Agreement.
4. **Stakeholder Engagement:** Foster inclusive and transparent stakeholder engagement processes to ensure the active participation of all relevant stakeholders in decision-making processes related to marine biodiversity conservation. Facilitate multi-stakeholder dialogues, consultative forums, and public awareness campaigns to promote broader understanding and ownership of the BBNJ Agreement objectives and commitments.
5. **International Cooperation:** Strengthen diplomatic efforts to foster international cooperation and coordination in the implementation of the BBNJ Agreement. Actively engage in multilateral forums, regional initiatives, and bilateral partnerships to advance shared goals and promote synergies in addressing crosscutting challenges related to marine biodiversity conservation and sustainable ocean management.

In conclusion, the promotion of ratification and resource mobilization for the implementation of the BBNJ Agreement represents a pivotal opportunity for our country to demonstrate leadership and commitment to the conservation and sustainable use of marine biodiversity in areas beyond national jurisdiction. By adopting a proactive and collaborative approach, we can contribute to the global efforts aimed at safeguarding the health and resilience of our oceans for present and future generations.

(ए बेनियामिन/A.Benniamin)
(वैज्ञानिक 'इ' एवं कार्यालय अध्यक्ष /Scientist 'E' & Head of Office)
भावस /डब्ल्यूआरसी/पुणे/ BSI/WRC/Pune

SM

for payment
for ecosystem
services

national
as well
on



Sudhir Kumar Yadav <skyadavbsic@gmail.com>

Re: Most Urgent :comments on BBNJ for the upcoming meetings of G20 Working Group on Environment and Climate Sustainability under the Brazilian G20 Presidency

1 message

fernsbenni <fernsbenni@gmail.com>

Thu, Feb 1, 2024 at 2:10 PM

To: Technical Section BSI <tech@bsi.gov.in>, BSI Technical Section <tech.bsi2021@gmail.com>, "Umeshkumar Tiwari" <tigerumesh11@gmail.com>, Sudhir Kumar Yadav <skyadavbsic@gmail.com>

Cc: Sudhansu sekhar Dash <ssdash2002@gmail.com>, Ashiho Mao <aamao2008@gmail.com>

Sir,

With reference to your email, I am enclosing herewith the comments/suggestion regarding Biological Diversity of Areas beyond National Jurisdiction (BBNJ) for your kind perusal.

Thanking you

Yours sincerely

A. Benniamin

On Thu, Feb 1, 2024 at 11:34 AM Dr Sudhansu Sekhar Dash <ssdash@bsi.gov.in> wrote:

For urgent comments pl

Your comments should reach this office by today 2.pm positively for further process

Regards

Dr Dash

From: "Nameeta Prasad" <nameeta.prasad@gov.in>

To: "Ashiho Asosii Mao" <hq@bsi.gov.in>, "Dr Sudhansu Sekhar Dash" <ssdash@bsi.gov.in>, "DHRITI BANERJEE" <director@zsi.gov.in>

Sent: Wednesday, January 31, 2024 6:34:56 PM

Subject: Fwd: Most Urgent :comments on BBNJ for the upcoming meetings of G20 Working Group on Environment and Climate Sustainability under the Brazilian G20 Presidency

From: "Amrita Gupta" <amrita.gupta@nic.in>

To: "Achuta Nand Shukla" <achuta.shukla@gov.in>, "Prashant Srivastava" <srivastava.pks@gov.in>, "Mangalaa K.R." <mangalaa.kr@gov.in>

Cc: "Rajasree Ray" <rajasree.r@nic.in>, "Nameeta Prasad" <nameeta.prasad@gov.in>, "Ruchika Drall" <ruchika.drall@gov.in>

Sent: Wednesday, January 31, 2024 6:17:18 PM

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I am directed to refer to the issue note of Environment and Climate Sustainability Working Group (ECSWG) developed under the Brazilian G20 Presidency. The enclosed note has been deliberated during the virtual meeting held on 29th and 30th January 2024. In this regard it is requested to review the Priority 3 oceans specifically for "Biological Diversity of Areas beyond National Jurisdiction (BBNJ)- Promote ratification and mobilize resources for the implementation of the BBNJ Agreement" and furnish comments (1-2 pager) enabling SCM to prepare the country's position for the upcoming meetings.

With Regards

Amrita Gupta

Scientist B

Sustainable Coastal Management Division

MoEFCC

Tel:011-20819793

--

Nameeta Prasad,
Joint Secretary to the Govt of India,
Ministry of Environment, Forests and Climate Change,
Indira Pariyavaran Bhawan,
New Delhi

नमिता प्रसाद,

संयुक्त सचिव, भारत सरकार

पर्यावरण, वन और जलवायु परिवर्तन मंत्रालय,

इंदिरा पर्यावरण भवन,

नयी दिल्ली

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Dr. A.BENNIAMIN M.Sc. Ph.D., FIFS
(Asia Member of IUCN SSC Group)
SCIENTIST 'F' & HEAD
BOTANICAL SURVEY OF INDIA
WESTERN REGIONAL CENTRE
PUNE- 411001
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Mobile ; 08275224250



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Sustainability under the Brazilian G20 Presidency.doc

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Email

Dr Sudhansu Sekhar Dash

Fwd: Most Urgent :comments on BBNJ for the upcoming meetings of G20 Working Group on Environment and Climate Sustainability under the Brazilian G20 Presidency

From : Dr Sudhansu Sekhar Dash <ssdash@bsi.gov.in> Thu, Feb 01, 2024 11:24 AM
Subject : Fwd: Most Urgent :comments on BBNJ for the upcoming meetings of G20 Working Group on Environment and Climate Sustainability under the Brazilian G20 Presidency 1 attachment
To : Dr Umeshkumar Tiwari <tigerumesh11@gmail.com>, fernsbenni <fernsbenni@gmail.com>, jayanthi bsi <jayanthi.bsi@gmail.com>, Kaliyamurthy Karthigeyan <kkarthigeyan@bsi.gov.in>

For urgent comments pl
Your comments should reach this office by today 2.pm positively for further process
Regards
Dr Dash

Sneha
pls pickup
Sydh
21/2/24

From: "Nameeta Prasad" <nameeta.prasad@gov.in>
To: "Ashiho Asosii Mao" <hq@bsi.gov.in>, "Dr Sudhansu Sekhar Dash" <ssdash@bsi.gov.in>, "DHRITI BANERJEE" <director@zsi.gov.in>
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Sustainable Coastal Management Division
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Tel:011-20819793

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For urgent comments pl
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To : Dr Umeshkumar Tiwari <tigerumesh11@gmail.com>, fernsbenni <fernsbenni@gmail.com>

Thu, Feb 01, 2024 11:23 AM

📎 1 attachment

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From: "Nameeta Prasad" <nameeta.prasad@gov.in>
To: "Ashiho Asosii Mao" <hq@bsi.gov.in>, "Dr Sudhansu Sekhar Dash" <ssdash@bsi.gov.in>, "DHRITI BANERJEE" <director@zsi.gov.in>
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From : Nameeta Prasad <nameeta.prasad@gov.in>

Wed, Jan 31, 2024 06:29 PM

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📎 1 attachment

To : Ashiho Asosii Mao <hq@bsi.gov.in>, Dr Sudhansu Sekhar Dash <ssdash@bsi.gov.in>, DHRITI BANERJEE <director@zsi.gov.in>

Reply To : Nameeta Prasad <nameeta.prasad@gov.in>

From: "Amrita Gupta" <amrita.gupta@nic.in>

To: "Achuta Nand Shukla" <achuta.shukla@gov.in>, "Prashant Srivastava" <srivastava.pks@gov.in>, "Mangalaa K.R." <mangalaa.kr@gov.in>

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Scientist B
Sustainable Coastal Management Division
MoEFCC
Tel:011-20819793

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Joint Secretary to the Govt of India,
Ministry of Environment, Forests and Climate Change,
Indira Pariyavaran Bhawan,
New Delhi*

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नयी दिल्ली

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Email

Technical Section BSI

Requesting inputs/comments/suggestions on the G 20 issue note.**From :** Achuta Nand Shukla <achuta.shukla@gov.in>

Thu, Feb 01, 2024 11:11 AM

Subject : Requesting inputs/comments/suggestions on the G 20 issue note. 1 attachment

To : dg@icfre.org, wii@wii.gov.in, R Raghu Prasad <raghu.prasad@gov.in>, Dr. Sanjay Kumar Shukla <igf.naeb@nic.in>, Director <psdir@gbpihed.nic.in>, Technical Section ZSI HQ, Kolkata <technical@zsi.gov.in>, DHRITI BANERJEE <director@zsi.gov.in>, Technical Section BSI <tech@bsi.gov.in>, Ashiho Asosii <aamao@bsi.gov.in>, Dr. B Balaji <secretary@nba.nic.in>, amit raj <amit.raj1979@gov.in>, gautam@wii.gov.in

Cc : RAGHU KUMAR KODALI <kodali.rk@gov.in>, NBA Technical <techbs@nba.nic.in>

Dear Madam/Sir,

The undersigned has been directed to request inputs/comments/suggestions with respect to the Priority 2: Payments for ecosystem services mentioned in issue note of Environment and Climate Sustainability Working Group (ECSWG) developed under the Brazilian G20 Presidency. Issue note is attached herewith the mail for your kind reference.

--

With regards

Achuta Nand Shukla (Ph.D.)/अच्युता नंद शुक्ला
Scientist 'E'
CS-III (Biodiversity) Division
Ministry of Environment, Forest and Climate Change
Indira Paryavaran Bhawan, Jor Bagh Road
New Delhi-110003



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**Environment and Climate
Sustainability Working Group**

Issue Note



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Introduction

1. The challenges and crises that have beset the world in recent years and difficulties in implementing the 2030 Agenda and its Sustainable Development Goals (SDGs) show no sign of abating. While the COVID-19 pandemic worsened the pre-existing crises of growing inequality and persistent hunger, the combined effects of climate change, biodiversity loss and extreme weather events are causing significant damage in several countries. While the gap between commitments undertaken in environmental regimes and their implementation must be addressed with urgency, bold action is also needed on these and other mounting challenges, such as the growing problem of waste generation and ocean pollution and acidification. A course correction is urgent, adamant, and depends on a renewed commitment to international cooperation.

2. It is thus vital to create initiatives that generate trust among countries, restore the primacy of multilateral processes, and the legitimacy of negotiated decisions. The G20 is the proper forum for this task, as it gathers the main world economies, represents two-thirds of the world's population and the equivalent of 80% of the world's GDP and carbon emissions. Each country, with its different backgrounds, can bring its unique point of view and experience to tackle these main challenges. These challenges must be analyzed through the lens of cooperation and a sense of urgency and fairness. The need to increase the means of implementation available for developing countries and to identify solutions that can effectively assist them in their path to sustainable development is a paramount and inevitable topic. The lack of adequate means of implementation would make the commitment to a just transition unfeasible in most countries.

3. Without duplicating other processes or negotiations, the G20 stands as a preferred forum for discussing well-established agreements aimed at resolving global and national issues, as well as for fostering discussions on topics yet to be solidified in formal multilateral negotiation fora. It should focus on practical endeavors where it can make a tangible impact and identify solutions that can be readily replicated in developing nations. Our message must be clear, resolute, and unified.



Priorities and Expected Results

1. Emergency and preventive adaptation to extreme climate events;
2. Payments for ecosystem services;
3. Oceans;
4. Waste and Circular Economy.

Priority 1: Emergency and preventive adaptation to extreme climate events

4. The increase in frequency and intensity of extreme weather events is one of the most evident impacts of climate change. Extreme temperatures, heavy precipitation, floods, droughts, extreme storms, as well as compound events¹, threaten the lives and livelihoods of our societies, reverse development gains, and produce negative, sometimes irreversible, ecological responses. Early action is essential for reducing projected losses and damages and shifting development pathways toward sustainability².

5. Both multilaterally agreed instruments and G20 declarations have acknowledged the need for policies and actions that address the adverse impacts of weather extremes. The Paris Agreement adopted under the UNFCCC highlights the importance of ensuring adequate adaptation responses as well as averting, minimizing, and addressing loss and damage associated with the adverse effects of climate change, including extreme weather events. Past G20s have encouraged resilience building to extreme weather events, including through incorporating measures to respond to climate-related impacts into national policies and plans. G20 countries are also supportive of the United Nations Secretary-General's call for 'early warnings for all' by 2027, understanding the potential of the initiative to climate resilience.

6. The Brazilian presidency believes an emphasis on emergency and preventive adaptation can provide impetus to global efforts towards risk reduction and resilience

¹<https://oceanexplorer.noaa.gov/facts/climate.html#:~:text=Ocean%20currents%20act%20much%20like,solar%20radiation%20reaching%20Earth's%20surface.>

² <https://www.ncei.noaa.gov/news/global-ocean-absorbing-more-carbon>

building through the development of guidelines for assessing vulnerabilities and preventing and responding to the impacts of extreme climate-related events, both inland and at coastal areas. The sequence of recent extreme climate events, from forest fires in Canada to floods in different areas of Brazil, demands further commitment and action in facing this task.

7. To fulfill this objective, we propose two lines of action. The first focuses on **emergency preparedness**. By fostering training, integration, and bolstering early warning systems, effective responses to extreme weather events can mitigate the social, environmental, and economic repercussions of current and future occurrences. The second line of action adopts a **structural approach, aiming to develop guidelines for integrating climate disaster risk reduction and sustainable adaptation measures**. This includes the formulation of plans and concrete adaptation actions, drawing inspiration from the efforts of countries that have faced extreme natural events such as earthquakes and hurricanes.

8. Building on the transformative promise of the 2030 Agenda for Sustainable Development and its Sustainable Development Goals (SDGs) to leave no one behind, vulnerable groups must be at the center of policies and institutional arrangements. As such, not only should their needs be included in climate risk assessments and adaptation initiatives, but their knowledge and experiences should also be integrated into adaptation planning and implementation.

9. Countries should therefore build upon a spirit of cooperation, linking social and economic needs and climate action to deliver vulnerability reduction, improved resilience, and, ultimately, a sustainable approach to climate-related emergencies to which we are all subjected.

Expected outcomes

- Development of G20 Principles for assessing climate risks and vulnerabilities at the country level;

- Establishment of a G20 Knowledge Exchange Arrangement on adaptation planning, implementation, monitoring, and evaluation;
- Development of a G20 framework for national and international investments in adaptation.

Priority 2: Payments for ecosystem services

10. Ecosystems worldwide provide a wide range of valuable and fundamental services for the balance of the planet and the maintenance of natural life. These include regulation of air, water and climate, soil health, pollination, and reduction of disease risk and biodiversity loss, as well as protection from natural hazards and disasters. They are also the home of indigenous peoples and local communities, providing economic livelihoods and non-measurable services of cultural, educational, recreational and spiritual nature, in which forests play a crucial role.

11. While ecosystems are vital for sustaining life, the fulfillment of multilaterally agreed goals and objectives for their protection is still a matter of concern. Despite some progress, none of the Aichi Biodiversity Targets agreed upon in the context of the Convention on Biological Diversity for the period 2011-2020 was fully achieved, according to the fifth edition of the Global Biodiversity Outlook and the Global Assessment Report on Biodiversity and Ecosystem Services of the Intergovernmental Science-Policy Platform on Biodiversity and Ecosystem Services. A recently published midpoint review of the Sustainable Development Goals has found only moderate progress on SDG 15 (“Protect, restore and promote sustainable use of terrestrial ecosystems, sustainably manage forests, combat desertification, and halt and reverse land degradation and halt biodiversity loss”) and relates the fulfillment of this particular goal with a “better recognition of the tremendous value of nature”.

12. There is still a clear gap in the mobilization of resources and cooperation for the conservation and sustainable use of ecosystems. Promoting a deeper understanding of the benefits and values provided by nature could significantly contribute to the efforts by

countries to secure funding for conservation activities. In this context, Payments for Ecosystem Services (PES) mechanisms, which are based on the recognition of the benefits provided by nature, are increasingly being recognized as an excellent tool for leveraging resources for conservation.

13. PES mechanisms can serve multiple positive purposes. They may complement government and civil society measures aimed at environmental conservation, acting as positive incentives and prevention measures that support governmental command and control actions to combat environmental degradation. PES schemes may also help to guarantee livelihoods, in particular, to the most vulnerable communities. According to the IPBES Assessment on the Sustainable Use of Wild Species, an estimated 70 percent of the world's poor depend directly on wild species and on businesses fostered by them, and about 50,000 wild species are used for food, energy, medicine, materials and other purposes, through fishing, gathering, logging, and terrestrial animal harvesting globally, thus stressing how ecosystem conservation is instrumental in fighting poverty. In this sense, work on PES schemes in the context of the Environment and Climate Sustainability Working Group is aligned with the general priorities established for Brazil's presidency of the G20, in particular, social inclusion, and the combat to hunger and poverty.

14. Discussions at the G20 can serve as a catalyst for action at this critical moment, leading to the adoption of schemes in developing countries to leverage new and additional resources to scale up biodiversity conservation, restoration, sustainable use and management. The Kunming-Montreal Global Biodiversity Framework (GBF), adopted at the COP-15 of the Convention on Biological Diversity (CBD), has set out the ambitious target to mobilize USD 200 billion for biodiversity per year by 2030, which highlights the urgent need to develop innovative financial mechanisms. The GBF called for "stimulating innovative schemes such as payment for ecosystem services" in its Target 19 and the 2023 G20 Environment and Climate Ministerial Meeting outcome document reaffirmed the need for enhancing resource mobilization for the implementation of the GBF, including through payments for ecosystem services.

15. G20 discussion may encourage the implementation of PES mechanisms in other areas as well. In any case, even when focused on one particular area, these mechanisms provide multiple and interlinked benefits. For instance, PES mechanisms focused on forest conservation that actually recognizes multiple ecosystem services related to biodiversity, water provision, air quality, erosion control, as well as the socioeconomic benefits that forests provide to various production processes in different contexts, indigenous peoples, and local communities. It should be added that the positive effects of ecosystem services provided by nature might benefit a broader area and a much larger population, for instance, in distant urban areas, as some ecosystems have an impact on the weather or the provision of water resources in other regions.

16. The idea of conceiving and supporting mechanisms for the payment for ecosystem services should thus be a priority in our common agenda.

17. At the Environment and Climate Sustainability Working Group, a series of topics can be discussed with the objective of unlocking the full potential of PES programs. This can include the following questions: which ecosystem services can benefit from PES programs? How can the value of ecosystem services be better defined/measured/quantified/priced? How can we attract sufficient resources? How can the private sector – as well as other actors – have a larger role in PES mechanisms? How can we guarantee stable and predictable financing of these schemes? How should PES programs results be evaluated, bearing in mind the particular circumstances of each country and ecosystem? How can the growing linkages between ecosystems and urban areas be best explored in PES programs?

18. Alongside those topics, discussions could also bring up examples of environmental valuation methodologies, existing payment for environmental services (PES) strategies and models and alternative remuneration mechanisms for ecosystem services.

19. Brazil's presidency hopes to engage the active participation of civil society, business and academia in these discussions. The G20 ECSWG could develop, as a result, a toolkit to support countries in the development of PES schemes and models, with a special focus on the need to strengthen developing countries' project development and project management capacities. Priority should be given to PES schemes based on cost-effective and simplified procedures, as well as all other aspects that facilitate their implementation in developing countries.

20. Therefore, we invite G20 Members to consider these issues and, from a practical viewpoint, to bring ideas and proposals for PES schemes that can be effectively implemented in developing countries. Current cooperation projects implemented by G20 Members with developed and/or developing countries should be prioritized, as well as new projects between G20 Members, as they demonstrate the potential of international cooperation to implement PES schemes. Initiatives to support capacity building in developing countries to present relevant projects for financing, as well as other supportive measures, could also be highlighted by Members.

Expected outcomes

- Development of G20 principles with a view to creating innovative instruments that make it possible to finance nature conservation and ecosystemic services via direct benefits to those who preserve them; Development of a toolkit to support countries in the development of PES schemes and models development;
- Development of methodology to monitoring and evaluation impact.

Priority 3: Oceans

21. The oceans plays a fundamental role in weather and climate regulation, by storing solar radiation and distributing heat and moisture around the globe. Between 1994 and 2007, the oceans absorbed 34 billion metric tons of carbon released from the burning of fossil fuels – a fourfold increase of 2.6 billion metric tons per year when compared to the period starting from the Industrial Revolution in 1800 to 1994.

22. Maintaining healthy oceans is fundamental for tackling climate change, which is being felt more drastically and rapidly than expected. Corroborating the IPCC's prediction that marine heat waves and extreme El Niño and La Niña events will become more frequent, in 2023, the average sea surface temperatures had surpassed the highest levels seen in a key data record, with areas of sea surface temperature anomalies more than 3°C warmer than normal. The unprecedented global heat wave is a decisive event for many ecosystems. For instance, widespread degradation observed through coral bleaching has highlighted the vulnerability of hundreds of millions of people dependent on reef environments for livelihoods, well-being, and food security³.

23. The conservation and sustainable use of the oceans, seas, and coastal and marine ecosystems, through ecosystem-based approaches, can provide key solutions to climate adaptation and respond to loss and damage caused by the adverse effects of climate change, contributing, for instance, in ways to cope with extreme weather events and sea level rise⁴ and contribute as natural carbon sinks. Moreover, healthy oceans lay down the basis for a sustainable and resilient Blue/Ocean-based Economy that provides livelihoods, particularly in coastal areas. Similarly, it is crucial to support the conservation and restoration of mangroves, which help protect corals and reduce the effects of extreme events. The interconnectivity of our oceans reminds us of the need of integrated approaches and improved cooperation and coordination at the national, regional and global levels, in accordance with the United Nations Convention on the Law of the Sea, and the integrated management and sustainable development of the oceans and sea.

24. Coastal and marine habitats are our best natural defense systems in the fight against climate change. Additionally, some coastal ecosystems store up to five times more carbon per hectare than rainforests⁵. Thus, protecting the coastline and its ecosystems

³ Morrison, T. H.; Adger, N.; Barnett, J.; Brown, K.; Possingham, H. and Hughes, T. (2020). Advancing Coral Reef Governance into the Anthropocene. *One Earth* 2, January 24.

⁴ https://www.ipcc.ch/site/assets/uploads/sites/3/2019/12/SROCC_FullReport_FINAL.pdf

⁵ Kauffman J.B., Bernardino A.F., Ferreira T.O., Giovannoni L.R., de O. Gomes L.E., Romero D.J., Jimenez L.C.Z., Ruiz F. (2018) Carbon stocks of mangroves and salt marshes of the Amazon region, Brazil. *Biol. Lett.* 14: 20180208

provides significant co-benefits for the mitigation and a transformative adaptation to the effects of climate change.

25. Previous G20 presidencies made significant contributions to raising awareness about the importance of healthy oceans and deepening our knowledge about how we can contribute to its preservation and sustainable management. The G20 Partnership on Ocean-based Actions for Climate Mitigation and Adaptation (published by the presidency of Indonesia in 2022) and the document Protecting and Conserving the Ocean, promoting a Sustainable and Resilient Blue/Ocean-Based Economy (published by the presidency of India in 2023) provide key references on how to move forward on our common agenda.

26. The G20 presidency of Brazil will propose further reflection on how to promote healthy and sustainable oceans for our planet and its people. G20 can play an essential role in promoting capacity building and the development and transfer of marine technology to restore degraded areas and implement area-based management tools, including coastal and marine protected areas (MPAs), particularly for developing countries. There is also a need to support indigenous peoples, local communities and the ecosystems they depend on, and to strengthen institutional capacities for better management of marine resources.

27. After it enters into force, the Agreement under the United Nations Convention on the Law of the Sea on the Conservation and Sustainable Use of Marine Biological Diversity of Areas beyond National Jurisdiction (BBNJ) will provide a multilateral legal and institutional framework to ensure the conservation and sustainable use of marine biological diversity of areas beyond national jurisdiction, for the present and in the long term, in line with Sustainable Development Goal 14 of the United Nations Agenda 2030. G20 can promote the BBNJ Agreement's objectives and contribute to mobilizing resources for its implementation.

28. G20 may also provide space for the exchange of best practices on the development of comprehensive Marine Spatial Planning (MSP) processes in national jurisdictions. The MSP is a process of organizing and managing human activities in the ocean to achieve ecological, economic, cultural, and social objectives. It provides a foundation for ocean governance based on national jurisdictions and capacities and with a widespread participatory process. It involves identifying and mapping the different uses of the ocean and allocating suitable areas for these uses based on scientific, local and traditional knowledge, ecosystem approach, and socio-economic considerations.

29. The development of MSP is necessary to adopt a suitable, resilient, equitable, socially fair, and sustainable Blue/Ocean-Based Economy. It is crucial to engage stakeholders and empower individuals and communities, including indigenous people, with free, prior, and informed consent to participate in the planning and implementation processes and benefit from the economic opportunities provided by the Blue/Ocean-Based Economy.

Expected outcomes:

- Development of a toolkit to support countries in the development of MSP as a tool to best manage marine areas;
- Increase creation and full implementation of marine protected areas (MPAs) and other area-based conservation measures;
- Mapping all ocean-based uses and activities, including underrepresented and under mapped such as local fisheries, community-based tourism or aquaculture, among other, giving voice to all in the planning processes;
- Contribution to the elaboration of countries' NDCs including conservation of ocean and coastal zones as a way to collaborate with the global goal of reducing greenhouse gas emissions;
- Promote ratification and mobilize resources for the implementation of the BBNJ Agreement.

Priority 4: Waste and circular economy

30. Waste is one of the most visible faces of environmental degradation. Polluted air, water, and land have been historically at the root of environmental concerns and regulation, and multilateral environmental agreements (MEAs) on issues such as waste and chemical safety have been progressively adopted. Nonetheless, MEAs such as the Basel Convention on the Control of Transboundary Movements of Hazardous Wastes and Their Disposal - hailed as a potentially effective instrument to prevent illegal dump of waste in developing countries, particularly in Africa, when adopted in 1989 – are yet to be fully implemented. The establishment of the Science-Policy Panel to contribute further to the sound management of chemicals and waste and to prevent pollution, mandated by the United Nations Environment Assembly (UNEA)⁶, is still a work in progress.

31. In this context, an in-depth discussion on waste seems highly appropriate. It should build on the work of previous G20 presidencies and the momentum created by recent landmarks such as the adoption by the United Nations General Assembly of the resolution “Promoting zero-waste initiatives to advance the 2030 Agenda for Sustainable Development”⁷ and the adoption by the United Nations Habitat Assembly of a resolution on the World Cleanup Day⁸, as well as several UNEA resolutions.

32. The sound management of waste not only avoids harm to the environment and human health but also contributes to the creation of jobs, both formal and informal, particularly in developing countries. The socioeconomic aspects related to waste management are of crucial importance to workers in this value chain. Issues such as economic empowerment of workers, including waste pickers, health and safety concerns,

⁶ Resolution 5/8 adopted by the United Nations Environment Assembly on 2 March 2022: “Science-policy panel to contribute further to the sound management of chemicals and waste and to prevent pollution”: <<https://wedocs.unep.org/bitstream/handle/20.500.11822/39944/SCIENCE-POLICY%20PANEL%20TO%20CONTRIBUTE%20FURTHER%20TO%20THE%20SOUND%20MANAGEMENT%20OF%20CHEMICALS%20AND%20WASTE%20AND%20TO%20PREVENT%20POLLUTION.%20English.pdf>>

⁷ A/RES/77/161: <<https://www.undocs.org/A/RES/77/161>>.

⁸ HSP/HA.2/Res.3: <<https://unhabitat.org/resolution-23-world-cleanup-day-hspha2res3>>.

as well as the recognition of their contribution to the environment need to be equally highlighted.

33. Waste and pollution can be a cross border challenge, be it by nature – air or water pollution can travel rapidly – or by human action, through transboundary movement of waste. In any of these cases, international cooperation is needed, with a view to both finally protecting developing countries from waste dumping and assisting them to implement sound waste management solutions. In that context, cooperation should aim at promoting solutions that can be adapted to national priorities and circumstances. A broad array of options should be discussed, including extended producer responsibility, reverse logistics, ecodesign, circular economy, and other approaches that contribute to the sound management of waste.

34. By 2050, waste generation is expected to accelerate from 2.01 billion tons (2016) to 3.04 billion tons of municipal solid waste globally in 2050, while the total quantity of waste generated in low-income countries is expected to increase by more than three times by 2050 under a business-as-usual scenario⁹. Furthermore, solid waste disposal remains largely unformalized, with more than half of the world's solid waste ending up in illegal dumps or uncontrolled landfills, without environmental protection, socioeconomic inclusion of waste pickers, or any value recovery of recyclable materials.

35. Such reality contributes to increasing emissions of greenhouse gases, especially methane from waste landfills and illegal dumps. An estimated 1.6 billion tonnes of CO₂-equivalent were emitted from solid waste management in 2016. Without improvements in the sector, by 2050, emissions from solid waste are expected to reach 2.6 billion tonnes of CO₂-equivalent.

⁹ What a Waste 2.0 A Global Snapshot of Solid Waste Management to 2050, World Bank, 2018. What a Waste 2.0 A Global Snapshot of Solid Waste Management to 2050, World Bank, 2018. What a Waste 2.0 A Global Snapshot of Solid Waste Management to 2050, World Bank, 2018. What a Waste 2.0 A Global Snapshot of Solid Waste Management to 2050, World Bank, 2018.

36. There is an urgent need to develop integrated solutions that enable a new cultural approach to waste management. This cultural shift should be anchored in the principles of reduce, reuse, and recycle, encouraging habits that minimize waste generation and pollution. By embracing innovative sustainable ideas and alternatives, we can enhance recyclability and forge a more sustainable path. The growth of electronic waste from high-technology products presents a significant challenge to developed countries, encouraging the development of environmentally sound management solutions which, in turn, will need to be extended to developing countries, who will increasingly face a similar environmental burden, as the consumption of these products becomes ever more popular.

37. In line with SDG 12, on sustainable consumption and production patterns, the G20 ECSWG should discuss the issue of recyclability, as well as the creation of new business models that promote circular economy. The G20 ECSWG should also engage in the consideration of important socioeconomic aspects, such as just transition across the value chain and, in particular, the securing of stable and adequate income for waste pickers and other workers, and fostering innovative solutions for the payment for the environmental services they provide.

38. The Brazilian G20 presidency does not intend to overlap or duplicate the efforts undertaken under the relevant multilateral environmental agreements, including those still under negotiation, such as the international legally binding instrument on plastic pollution, mandated by UNEA Resolution 5/14. The ECSWG should rather work as a platform for exchanging information and promoting best practices that can be replicated or adapted in developing countries.

39. We therefore invite G20 Members to engage in a discussion on solutions that promote waste reduction and sound management as well as a more circular economy. From a pragmatic viewpoint, Members are invited to bring actual projects and activities being implemented in a wide array of areas related to waste and circular economy. Without duplicating negotiations on the above mentioned legally binding instrument

mandated by UNEA Resolution 5/14 (“End plastic pollution”), innovative solutions addressing the lifecycle of plastics (such as production, design, recyclability, circularity and other aspects) are also welcome as countries are now focused on solutions to effectively tackle plastic pollution.

40. Solutions and projects showcased might be implemented by different stakeholders in countries and should be effectively replicable in developing countries. Current cooperation projects implemented by G20 Members with developed and/or developing countries should be prioritized, as well as new projects between G20 Members as they demonstrate the potential of international cooperation for reduction and sound management of waste. Initiatives to support capacity building in developing countries to present relevant projects for financing as well as other supportive measures could also be highlighted by Members.

41. Academic and scientific cooperation among institutions in different G20 Members could also be encouraged with a view to the establishment or strengthening of lasting partnerships in the field of R&D. The transfer or joint development of technologies and capabilities that allow developing countries to properly address the economic, social, and environmental challenges posed by waste management as well as promoting the shift from a linear to a circular economy based on low carbon and recycled products could be areas of priority in this discussion.

42. Brazil’s presidency hopes to engage the active participation of civil society, business and academia in these discussions. The G20 ECSWG could develop, as a result, an inventory of effective technologies and other solutions, including public policies that might be implemented, in particular, by developing countries. In this context, the working group should focus on solutions based on cost-effective and simplified procedures, as well as all other aspects that facilitate their implementation in developing countries.



Expected outcomes:

- Development of a G20 Inventory on technical and technological solutions for waste reduction and management and circular economy;
- Development of a compendium of good practices and successful experiences of the G20 aimed at the promotion and implementation of policies that create economic instruments and credits to encourage recycling actions, improvements in the rights of workers, including collectors, in the recycling and waste management sector;
- Development of Principles for an Inclusive Circular Economy.



भारत सरकार

GOVERNMENT OF INDIA

पर्यावरण, वन एवं जलवायु परिवर्तन मंत्रालय

MINISTRY OF ENVIRONMENT, FOREST & CLIMATE
CHANGE



सत्यमेव जयते



भारतीय वनस्पति सर्वेक्षण / BOTANICAL SURVEY OF INDIA

सी.जी.ओ. कॉम्प्लेक्स / CGO COMPLEX

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फाइलसंख्या/File No.: 281/19/2023-Tech. /1956

दिनांक/Date : 15.12.2023

सेवामें / To

The Secretary

Ministry of Environment, Forest & Climate Change

Indira Paryavaran Bhawan

Jor Bagh Road

New Delhi - 110003

(Kind attention: Mrs. Suveena Thakur, RT division/ Sci-F, MoEF&CC, New Delhi)

विषय / Sub.: Seeking Action Taken Report (ATR) on approved minutes of the first meeting of High Power Steering Committee (HPSMC) of National Institute for Research & Application of Natural Resources to Transform, Adapt and Build Resilience (NIRANTAR) held on 08.05.2023- reg.

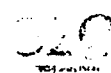
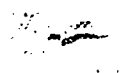
महोदया / Madam,

In reference to your communication through email dated 08.12.2023 on the subject mentioned above, I am directed to furnish the desired information on action taken by Botanical Survey of India for NIRANTAR vertical 1 - *Ecosystem Survey & Analysis* (BSI, ZSI, FSI, NMNH, NBA) as given below:

Sl. No	Action points and Collaborating institute	Action Taken
1	Botanical Survey of India will coordinate with National Museum of Natural History for connecting students in schools/colleges with the online herbarium developed by BSI. (BSI - NMHIS)	Smt Naaz Rizvi, Director, National Museum of Natural History, New Delhi (NMNH), along with Dr. Sakthi and Dr. M. K. Sharma visited BSI Sikkim Himalayan Regional Centre on 22.08.2023. They discussed the possibilities of cooperation between the two organizations on the forthcoming NMNH Museum in Marachak, Ranipool, East Sikkim district. NMNH solicited technical inputs from BSI for the 'Plants Gallery' to be set up in the museum with funding from NMNH. Further, BSI, WRC, Pune and National Museum of Natural History, New Delhi has communicated for jointly organizing the workshop for teachers of



		schools/colleges and tentatively, it has been scheduled from 12 – 13 September, 2023. However, it could not be materialized during that time due to unavoidable situation and non-availability of fund for 100 participants. IN the recent discussion, BSI has requested NMNH to reduce the no. of participants to 50 nos. for the training programmer on a mutually convenient date and time. It has also decided that the expenditure will be borne by both the organization in a mutual agreeable manner and worked out soon. Further BSI has coordinated with NMHS for supplying of information for connecting students in schools/colleges with the online herbarium for which it was provided to NMHS vide letter no. File No.: 281/19/2023-Tech. 1527, dated 10th Nov., 2023 provided links of 4 BSI web portals and data bases namely, https://bsi.gov.in/ https://ivh.bsi.gov.in/ https://efloraindia.bsi.gov.in/eFlora/homePage.action http://nclumbo-bsi.in/ It is pertinent to mention that, this information was circulated by NMHS to about 7000 schools and institutions in the month of November, 2023. Consequently, the nos. of visitors to BSI portals have been seen a sudden increase of about 50 % during the Dec. 2023.
2.	Collaborative action points between BSI, ZSI and FSI on (A) Training & Capacity Building.	BSI & ZSI in collaboration with FSI, organized Two training programme for the officers of FSI at the BSI-Northern Regional Centre, Dehradun in two batches 1. The first batch of training was held from 8.8.2023 to 10.8.2023 at FSI Dehradun, in which 22 FSI zonal staff attended. 2. The second batch of training was held from 16.8.2023 to 18.8.2023 at FSI Dehradun in which 20 FSI zonal staff attended. ➤ The training programme focused on the following topics: ➤ Identification of Plants/Tree Species.



	Herbarium preparation, with hands-on training in the field. ➤ Identification of Pteridophytes, distribution & Sample Collection parametric & specimen. ➤ Fundamentals of lichen identification, distribution and sample collection strategies Besides, under Capacity building training, two ranger officers of FSI, Nagpur undergone training on identifications of Lichens at the BSI-Southern Regional Centre, Coimbatore in two batches: 1. From 9th to 20th October, 2023 2. From 30th October to 10th November, 2023.
(B) Field Surveys under National Forest Inventory Lead institutes for different Biosphere Reserves	BSI, ZSI and FSI have agreed to collaborate in the common research activities in the areas 1. Flora and fauna documentation and indentificaiton. 2. Joint survey in Dihang-Debang Biosphere Reserve (DDBR), Arunachal Pradesh and Agasthyamalai Biosphere Reserve in western ghat. In this regard, FSI has proposed to provide the grid points of their permanent plots of these two biosphere rescraves . 3. BSI has provided the Kml files of Agasthyamalai and ZSI has provided the Kml files of Dihang-Debang Biosphere for fixing of grid points. 4. However, all the parties have shown their concerns of the fund requirement of each of the collaborative programmes which need to further discussion with MoEFCC.
(C) Climate Change Studies on the theme of 'Biodiversity loss due to climate change' • Tree Outside Forests Inventory for Assessing Carbon Stock of all five carbon pools • Permanent Sample Plots for Periodic Assessment of the Effect of Climate Change in Biodiversity • Indicator Species of Climate change • Assessment & monitoring Lichens as climate change indicators in sample plots of FSI	a) These studies are being incorporated in the project of Climate change at Climate Change Study Cell at FSI. b) FSI has proposed Climate Change Study Cell with an aim to attain the broad objectives and its plausible impacts on various ecosystems, which is under submission to Ministry. c) Under Capacity building programmers, two training programmers for field staff of FSI on identification of Orchids & Lichens was held in August, 2023. d) Data collection for the Climate Change Studies is expected to commence from October-November, 2023 by field crews of FSI. BSI & ZSI are requested to accompany the FSI field

	• Effect of climate change on habitats of Orchids (Himalayan, NE Region, Western & Eastern Ghats)	teams for recording data for the studies in Climate Change Study Cell.
3	Collaborative action points between BSI, ZSI and NBA for preparation of ePBRs.	BSI and ZSI developed the training module on Pilot Capacity Building Programme for the BMCs for NBA. However, due to non-availability/ non-allocation of funds the training programme could not be undertaken.
4	Meetings conducted under vertical 1	1. 29th May 2023: In reference to Ministry's OM F.No. 17-34/2022-RT dated 01.05.2023, BSI has been nominated as lead institute for the first 3 years. In this connection, BSI organized a meeting in Hybrid mode at CNII, Howrah on 29th May, 2023. The meeting was attended by DG, DDG, and DD, FSI Dehradun in virtual mode. The Director, ZSI Kolkata and other Scientists of ZSI and BSI attended the meeting physically. 2. 22nd September, 2023: Meeting held between FSI & BSI- Northern Regional Centre, Dehradun to discuss on the analytical literature available on Orchid & Lichens and research gaps in this area which can be catered through the NFI data on Orchid & Lichens. BSI & FSI will jointly prepare the eligibility ToRs for hiring human resource (taxonomist/ botanist/ Orchids and Lichens specialist). 3. 18th October, 2023: Discussions were held between FSI & BSI (Dehradun) on the on-going 'Climate Change Studies' and way forward. 4. 11th November, 2023: Director, BSI organized a virtual meeting with the officials from the ZSI and FSI and discussed on the agenda of the common action point <i>i.e.</i> Dihang-Debang Biosphere Reserve (DDBR), Arunachal Pradesh and Agasthyamalai Biosphere Reserve, Tamil Nadu. 5. 13th November, 2023: Director, BSI attended the virtual meeting conducted on 13th Nov. 2023 and briefed about the progress made under vertical 1. 6. 14th November, 2023: Director, BSI organized a virtual meeting with the officials from the

		ZSI, FSI, NMNH and NBA.
5	Issues relating to uploading of data on the Meri Life portal will be sorted out by the officers concerned.	Under the Mission LiFE, BSI has uploaded more than 1200 videos and photo clips on various themes of the mission on the Meri LiFe portal.
6	All organisations under the Ministry will focus on action based interventions for Mission LiFE. Targets will be fixed for organizing various activities and achievements will be uploaded on Meri LiFE portal by 1 st June 2023.	For effective implementation of the mission LiFE, BSI has circulated an event calendar to all its regional centres for regularly organizing events on various designated themes of the Mission LiFE.

This issues with the approval of Director, Botanical Survey of India.

सधन्यवाद/ Thanking you.

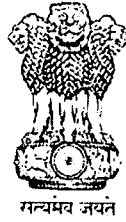
भवदीय / Yours sincerely.

(Signature)
15/12/2023

(एस. एस. दाश / S. S. Dash)

वैज्ञानिक एफ / Scientist 'F'

(प्रभारी, तकनीकीअनुभाग / In- charge, Tech. Section)



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फाइल संख्या/ File No.: BSI- 286/1 (Parl.) / 2023 -Tech.

दिनांक/Date : 2nd August, 2023

सेवा में / To

The Secretary
Ministry of Environment, Forest and Climate Change
Indira Paryavaran Bhawan, Jor Bagh Road
New Delhi - 110003

(Kind attention: Ms. Geeta Bhatnagar, Under Secretary, MoEF&CC, New Delhi)

Subject: Plant conservation - reg.

Ref: Rajya Sabha Question Dy No. U1010 for answer on 10.08.2023 regarding "Plant conservation".-reg.

महोदया / Madam,

With reference to your email, dated 28th July, 2023 regarding Plant conservation, I am directed to furnish herewith the following information for your kind perusal and necessary action as follows:

(a) Whether a special plan is being prepared by the Ministry for the conservation of wild fruits and grassy plants in Himachal Pradesh.

Answer: This question does not come under the purview of BSI. However, as per the information available on various public domain, it is found that many efforts are being taken by the Forest department of the Himachal Pradesh by various activities such as Plantation Drives, Declaration of Protected Areas, Removal of the Invasive species, Soil and Moisture Conservation works, Protections against felling, encroachment and Forest fires. Besides, the State Centre on Climate Change of the H.P. Council for Science Technology & Environment (HIMCOSTE) have prepared a plan in 2018.

(b) If so, the details thereof;

Answer: As mentioned above.

(c) Whether the Ministry is aware of the fact that Rakhal, Kali Papadi, Wild Walnut and Wild Almond plants are on the verge of extinction in Himachal Pradesh;

Answer: As per the available information, all four species are not on the verge of extinction. The details are as below:

1. Rakhal [Botanical Name: *Taxus wallichiana* Zucc.; Family: Taxaceae]

Distribution: This species is found in the temperate region (2000-3500 m) in the Himalayas. Due to overexploitation for trade, this species is under endangered categories. However, the species is also under cultivation in Himachal Pradesh, Uttarakhand, Sikkim and Arunachal Pradesh.

2. **Kali Papadi** [Botanical Name: *Holoptelea integrifolia* (Roxb.) Planch; Family: Ulmaceae]

Distribution: Commonly found in Kangra, Sirmour, Solan and Una districts of Himachal Pradesh. In Himachal Pradesh, this species is under cultivated in many parts. Therefore, the status of the species is not in the verge of extinction in Himachal Pradesh.

3. **Wild Walnut** [Botanical Name: *Juglans nigra* L.; Family: Juglandaceae]

Distribution: Walnut is native to the Himalayas and the Southwest China.

In Himachal Pradesh, *Juglans regia* L. and *Juglans nigra* L. are found in the Chamba, Kullu, Mandi, Solan, Kinnaur, Bilaspur, Kangra, Shimla and Sirmour districts of the state, as well as other adjoining parts of the Himalayas. Both the species are widely cultivated in the state, as well as in other adjacent Himalayan states. Therefore, the status of the species is not in the verge of extinction in Himachal Pradesh.

4. **Wild Almond** [Botanical Name: *Prunus webbii* (Spach) Fritsch; Family: Rosaceae]

Distribution: Found in the subtropical vegetation and Indo-China to Burma Himalayas.

In Himachal Pradesh, this species is cultivated in many parts. The status of the species is not reported as "in the verge of extinction".

(d) *If so, the details thereof; and*

Answer: As mentioned above.

(e) *the steps taken by the Government to conserve the species of plants on the verge of extinction in Himachal Pradesh?*

Answer: No information is available with BSI.

This issues with the approval of Director, Botanical Survey of India.

सधन्यवाद/ Thanking you,

भवदीय/Yours sincerely

(Signature)
21/8/2023
(एस. एस. दाश / S. S. Dash)

वैज्ञानिकई/ Scientist 'E'
(प्रभारी, तकनीकी अनुभाग / In-charge, Tech. Section)

1355
प्रोसेस / DISPATCHED
31/8/23

TECHNICAL SECTION
DISPATCHED
No. T-647
Date : 02-08-2023



भारत सरकार
GOVERNMENT OF INDIA
पर्यावरण, वन एवं जलवायु परिवर्तन मंत्रालय
MINISTRY OF ENVIRONMENT, FOREST & CLIMATE
CHANGE

भारतीय वनस्पति सर्वेक्षण / BOTANICAL SURVEY OF INDIA
सी.जी.ओ. कॉम्प्लेक्स / CGO COMPLEX
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साल्टलेक, कोलकाता-६४/ SALT LAKE, KOLKATA - 700064
Tel.: (033) 2321 4050 [Tech. Section] ; E-mail: tech@bsi.gov.in

फाइल संख्या/ File No.: BSI- 286/1 (Parl.) / 2023 -Tech. / 647 दिनांक/Date : 2nd August, 2023

सेवा में / To

The Secretary
Ministry of Environment, Forest and Climate Change
Indira Paryavaran Bhawan, Jor Bagh Road
New Delhi - 110003

(Kind attention: Ms. Geeta Bhatnagar, Under Secretary, MoEF&CC, New Delhi)

Subject: Plant conservation - reg.

Ref: Rajya Sabha Question Dy No. U1010 for answer on 10.08.2023 regarding "Plant conservation".-reg.

महोदया / Madam,

With reference to your email, dated 28th July, 2023 regarding Plant conservation, I am directed to furnish herewith the following information for your kind perusal and necessary action as follows:

(a) *Whether a special plan is being prepared by the Ministry for the conservation of wild fruits and grassy plants in Himachal Pradesh.*

Answer: This question does not come under the purview of BSI. However, as per the information available on various public domain, it is found that many efforts are being taken by the Forest department of the Himachal Pradesh by various activities such as Plantation Drives, Declaration of Protected Areas, Removal of the Invasive species, Soil and Moisture Conservation works, Protections against felling, encroachment and Forest fires. Besides, the State Centre on Climate Change of the H.P. Council for Science Technology & Environment (HIMCOSTE) have prepared a plan in 2018.

(b) *If so, the details thereof;*

Answer: As mentioned above.

(c) *Whether the Ministry is aware of the fact that Rakhal, Kali Papadi, Wild Walnut and Wild Almond plants are on the verge of extinction in Himachal Pradesh;*

Answer: As per the available information, all four species are not on the verge of extinction. The details are as below:

1. Rakhal [Botanical Name: *Taxus wallichiana* Zucc.; Family: Taxaceae]

Distribution: This species is found in the temperate region (2000-3500 m) in the Himalayas. Due to overexploitation for trade, this species is under endangered categories. However, the species is also under cultivation in Himachal Pradesh, Uttarakhand, Sikkim and Arunachal Pradesh.

2. *Kali Papadi* [Botanical Name: *Holoptelea integrifolia* (Roxb.) Planch; Family: Ulmaceae]

Distribution: Commonly found in Kangra, Sirmour, Solan and Una districts of Himachal Pradesh. In Himachal Pradesh, this species is under cultivated in many parts. Therefore, the status of the species is not in the verge of extinction in Himachal Pradesh.

3. *Wild Walnut* [Botanical Name: *Juglans nigra* L.; Family: Juglandaceae]

Distribution: Walnut is native to the Himalayas and the Southwest China.

In Himachal Pradesh, *Juglans regia* L. and *Juglans nigra* L. are found in the Chamba, Kullu, Mandi, Solan, Kinnaur, Bilaspur, Kangra, Shimla and Sirmour districts of the state, as well as other adjoining parts of the Himalayas. Both the species are widely cultivated in the state, as well as in other adjacent Himalayan states. Therefore, the status of the species is not in the verge of extinction in Himachal Pradesh.

4. *Wild Almond* [Botanical Name: *Prunus webbii* (Spach) Fritsch; Family: Rosaceae]

Distribution: Found in the subtropical vegetation and Indo-China to Burma Himalayas.

In Himachal Pradesh, this species is cultivated in many parts. The status of the species is not reported as "in the verge of extinction".

(d) *If so, the details thereof; and*

Answer: As mentioned above.

(e) *the steps taken by the Government to conserve the species of plants on the verge of extinction in Himachal Pradesh?*

Answer: No information is available with BSI.

This issues with the approval of Director, Botanical Survey of India.

सधन्यवाद/ Thanking you,

भवदीय/Yours sincerely

(एस. एस. दाश / S. S. Dash)

वैज्ञानिक/ Scientist 'E'

(प्रभारी, तकनीकी अनुभाग / In-charge, Tech. Section)

Email

Technical Section BSI



Rajya Sabha Question Dy No. U1010 for answer on 10.08.2023 regarding "Plant conservation".

From : Technical Section BSI <tech@bsi.gov.in>
Subject : Rajya Sabha Question Dy No. U1010 for answer on 10.08.2023 regarding "Plant conservation".

Thu, Aug 03, 2023 10:54 AM

2 attachments

To : sobsi2012 <sobsi2012@gmail.com>, GEETA BHATNAGAR <geeta.bhatnagar@nic.in>
Cc : Ashiho Asosii <aamao@bsi.gov.in>, Dr Sudhansu Sekhar Dash <:ssdash@bsi.gov.in>, Umeshkumar L. Tiwari <ukltiwari@bsi.gov.in>

Madam,

In reference to your email, dated 28th July, 2023 regarding Rajya Sabha Question Dy No. U1010 for answer on 10.08.2023 regarding "**Plant conservation**", please find enclosed herewith the information (in pdf and word file) pertaining to Botanical Survey of India for your kind perusal and necessary action.

Thanking You,

.....
Technical Section

Botanical Survey of India, HQ

Salt Lake City, Kolkata - 700 064

Emails: *tech@bsi.gov.in ; tech.bsi2021@gmail.com*

BSI reply for RS U1010- Plant Cons. in HP.docx
196 KB

Rajya Sabha No. U1010 -Plant Cons. in HP.pdf
182 KB



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Alert

Consultative Workshop on Forest Fire Management in India

Session-1 - Forest Fire: Scenario, Early Warning Management & Best practices (Presentations)

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Title	Speaker	Download PPT
Overview of Forest Fire Management: issues and challenges in India	Shri Arun Singh Rawat, IFS DG, ICFRE, Dehradun	Download(5.25 MB)
Meterological Drivers of Forest Fire & Forecasting	Dr. M. Mohapatra, DG, IMD	Download(4.14 MB)

Title	Speaker	Download PPT
Fire Alerts and Early Warning: Present Practice and future challenges	Sh. Anoop Singh, IFS, DG FSI	Download(7.19 MB) 
Forest Fire Management in Protected Areas	Sh. S.P. Yadav, IFS, ADG (FC)	Download(1.84 MB) 
Global Best Practices on Forest Fire Management: possibilities in India	Sh. Piyush Dogra, World Bank, Delhi	Download(3.65 MB) 
CAMPA: Funding options and strategies for Forest Fire Management	Sh. Shubhash Chandra, IFS, CEO, CAMPA, MoEFCC	Download(3.31 MB) 

Session-II - Strengthening Coordination Mechanism for Forest Fire Management (Presentations)

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Title	Speaker	Download PPT
Capacity and training constraints in responding to forest fire	Shri Atul Karwal, DG, NDRF	Download(2.25 MB) 
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Forest Fire Training in Academics/ Institutions	Shri Bharat Jyoti, IFS, Director, IGNFA	Download(1.59 MB) 
Training Needs on Forest Fire	Shri R.S Choudhary, Director, National Fire Service College, Nagpur	Download(1.33 MB) 
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Initial Framework of a "National Forest Fire Management Project"	Dr Suneesh Buxy, IFS, IG (Forest), MoEFCC	Download(3.66 MB) 

Title	Speaker	Download PPT
Needs and challenges of Forest Fire in the state of Chhatisgarh	Rep of Chhatisgarh State	Download(4.77 MB) 
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Needs and challenges of Forest Fire in the state of Mizoram	Rep of Mizoram State	Download(556 KB) 
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Needs and challenges of Forest Fire in the state of Madhya Pradesh	Rep of Madhya Pradesh State	Download(3.31 MB) 
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Needs and challenges of Forest Fire in the state of Assam	Rep of Assam State	Download(3.59 MB) 
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Needs and challenges of Forest Fire in the state of Odisha	Rep of Odisha State	Download(7.62 MB) 

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1. Lok Sabha Starred Diary No. 6549 regarding "Setting up of Research Centres for Medicinal Plants" for 04/08/2023.

Name of the Regional Centre	Whether Medicinal Plants are being conserved at the garden	Number of Medicinal Plants conserved
B.S.I., HAWHRC, Solan (H.P.)	Till date no experimental garden as this is a new regional centre established in December, 2019.	NIL

2. Rajya Sabha Question Dy No. U1010 for answer on 10.08.2023 regarding "Plant conservation"-reg.

a). Weather a special plan is being prepared by the Ministry for the conservation of wild fruits and grassy plants in Himachal Pradesh.

State Centre on Climate Change of the H.P. Council for Science Technology & Environment (HIMCOSTE) have prepared a plan in 2018.

Wild fruits together with their products can be used to ensure food security during the period of scarcity and their availability round the year supplement food and nutrition and can become the source of income for the local inhabitants. During last few decades, forest has receded away from the villages and have been considerably degraded resulting in very negligible or non-availability of many wild fruits. Thus, the documentation of the available literature of wild edible fruits is important for their propagation and conservation, so that this neglected resource of the Himalayan region is best utilized for food, nutritional and livelihood security. The present compilation in the form of a Coffee Table Book on the Wild Edible Fruits of Himachal Pradesh provides an insight on these species of the state along with their medicinal values.

b). If so, the details thereof; as above

c). Weather the Ministry is aware of the fact that Rakhal, Kali Papadi, Wild Walnut and Wild Almond plants are on the verge of extinction in Himachal Pradesh;

1) Taxus contorta Griff

Local Name: Rakhal (रखाल)

Family: Taxaceae

Synonyms: Taxus fuana, Taxus wallichiana subsp. contorta. Taxus Baccata subsp. Wallichiana.

Common name: Yew, West Himalayan yew.

Distribution: The Himalayan Yew is a species of yew, native to the Himalaya from Afghanistan east to western Yunnan in south western China, at altitudes from 2,000–3,500 m. It is common as undergrowth in Abies forest, makes pure patches in all the valleys of GHNP

Rakhal is a medium to large sized tree of Western Himalayas found growing in forest, road-side, sunny edges, dappled shade and shady revrine up to an altitude of 2000 to 3500m. It is generally middle sized, but sometimes grows very large, with a large spreading crown. Rakhal is in leaf round the year, in cone from March to April and in mature seeds (ripened aril comparable to fruit) from September to November. It can propagate through seeds.

Rakhal is adapted to grow in diverse habitat. Mostly, it prefers well-drained, dry or moist soil. But, can also grow in heavy clay soil, very acid and very alkaline soils.

Rakhal is considered a sacred plant and quite often found cultivated around temples and near habitation for religious purposes. Its leaves, twigs and wood all are used in worshipping. Wood is also used to make temple and deities.

Rakhal is a multipurpose tree for the people residing in hills and collected from wild as a source of food, medicine, fuel and timber for local personal uses. Its riped seeds are center of attraction for visitors and wildlife. It is also grown as an ornamental tree in gardens and temples. However, the leaves contain an alkaloid poisonous to live-stock, but the alkaloid content varies from area to area 1. Himalaya. Rakhal is entered in list of endangered plants due to overexploitation for trade and need cultivation and awareness for sustainable use.

It is a small or medium sized, evergreen trees, usually up-to 6m high. Leaves are 2.5-3.8cm long, linear, flattened, distichous, acute, narrowed into a short petiole, dark green and shining above, pale yellowish- brown or rusty-red below, aromatic when dry. Cones usually dioecious. Male cones sub-globose and solitary, axillary, green, with 3 pairs of scales, decussate. Ovule erect, surrounded at the base by a cup-shaped disc, which enlarges and becomes succulent and bright red at maturity. Seed olive-green.

Edible ripened aril of rakhal is available from September to November, while bark can be collected round the year.

Rakhal is listed endangered plant due to its overexploitation for trade, so need cultivation and sustainable harvesting by habitat rotation.

Edible Uses:

Pulpy aril of seed is edible and eaten raw or cooked and considered sweet, gelatinous and delicious. These are supplement in dessert and deseeded ripened aril is made into jam. Bark is used in making of medicinal tea considered good to cure cough, bronchitis and asthma.

Source: <https://himalayanwildfoodplants.com/2021/04/taxus-contorta-griff-rakhal-%E0%A4%B0%E0%A4%96%E0%A4%BE%E0%A4%B2/>

References:

1. Polunin, Oleg, and Adam Stainton. Flowers of the Himalaya. Oxford University Press, 1984.
2. Singh PB. (2018). Flora of Mandi district. Himachal Pradesh: North West Himalaya.

2) *Holoptelea integrifolia* (Roxb.) Planch (**Kali Papadi or Papadi Tree**)

Common in Kangra, Sirmour, Solan and Una districts of Himachal Pradesh

Hindi Names: Papri, Chilbil, Kanju, Banchilla, Bawal, Poothigam, Dhamna, Begana, Chirabil.

Family: Ulmaceae

3) *Juglans regia* L. (Wild Walnut)

Family: Juglandaceae

The potential of *Juglans regia* (locally known as akhrot) as an important nut fruit has been recognized globally. This species is widely distributed throughout the dry, cold and alpine regions of Himachal Pradesh.

Common in Chamba, Kinnaur, Kullu, Lahul & Spiti, Mandi, Solan and Shimla.

4) *Prunus cerasoides* Buch.-Ham. ex D.Don (Wild almond)

Family: Rosaceae

Common in Himachal Pradesh almost in every district.

The native range of this species is NE. Pakistan to Indo-China. It is a tree and grows primarily in the temperate biome.

Wild Himalayan Cherry is a deciduous tree found in the forests of the Himalayas, from Himachal Pradesh in India to SW China and Burma. It grows at altitudes of 1200-2400 m above sea level. It is a medium sized tree which grows up to 30 metres in height. The bark is smooth, and peels off in thin horizontal strips. The leaves are elliptic, long pointed, with toothed margin. They are short-stalked, 5-8 cm long. It flowers in autumn and winter, with the flowers generally appearing on bare branches, or with young leaves. Flowers are pink, long-stalked, often paired or in few-flowered clusters at the end of

branches. They have 5 pink, obovate petals, spreading outwards. Fruit is yellow, maturing to red, ovoid, 1.3-1.6 cm long. Flowering: October-November.

d). If so, the details thereof; and: No details.

e). the steps taken by the Government to conserve the species of plants on the verge of extinction in Himachal Pradesh?

11th Regional Centre of Botanical Survey of India as High Altitude Western Himalayan Regional Centre was opened in December, 2019 with its jurisdiction area of Himachal Pradesh, Jammu & Kashmir and Ladakh.

English

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Wild Almond

Prunus webbii

ABSTRACT

Wild Almond *Prunus webbii* has most recently been assessed for *The IUCN Red List of Threatened Species* in 2014. *Prunus webbii* is listed as Data Deficient.

[Download](#)

[Text Overview](#)

THE RED LIST ASSESSMENT

Pollard, R.P., Rhodes, L. & Maxted, N. 2016. *Prunus webbii*. *The IUCN Red List of Threatened Species*.

LAST ASSESSED

13 March 2014

SCOPE OF ASSESSMENT

Global

Assessment in detail

POPULATION TREND

Unknown

NUMBER OF MATURE INDIVIDUALS

Population in detail

HABITAT AND ECOLOGY

Shrubland, Rocky areas (eg. inland cliffs, mountain peaks), Artificial/Terrestrial, Unknown

Habitat and ecology in detail

1 2 3 4 5 6

English

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[Jump to East Himalayan Yew: In detail](#)

1 Translate page

East Himalayan Yew

Taxus wallichiana

ABSTRACT

East Himalayan Yew *Taxus wallichiana* has most recently been assessed for *The IUCN Red List of Threatened Species* in 2010. *Taxus wallichiana* is listed as Endangered under criteria A2acd.

Download

Text Overview

THE RED LIST ASSESSMENT

Thomas, P. & Farjon, A. 2011. *Taxus wallichiana*. *The IUCN Red List of Threaten...*

LAST ASSESSED

13 December 2010

SCOPE OF ASSESSMENT

Global

Assessment in detail

POPULATION TREND

Decreasing

GEOGRAPHIC RANGE

+

—



NUMBER OF MATURE INDIVIDUALS

Pacific
Ocean

Population in detail

HABITAT AND ECOLOGY

Forest

Leaflet | Powered by Esri | RJGC, Esri, HERE, FAO, NOAA, AAFC, NR



Distribution data is not mapped for this species.

Habitat and ecology in detail

Geographic range in detail

Taxonomy

Assessment Information

Geographic Range

Taxonomy

KINGDOM

Plantae

PHYLUM

Tracheophyta

CLASS

Pinopsida

ORDER

Pinales

FAMILY

Taxaceae

GENUS

Taxus

[Taxonomy in detail](#)

Assessment Information

IUCN RED LIST CATEGORY AND CRITERIA

Endangered A2acd

ver 3.1

DATE ASSESSED

13 December 2010

YEAR PUBLISHED

2011

ANNOTATIONS

use-feedback

Needs updating

Assessment Information in detail

Geographic Range

NATIVE

Extant (resident)

Bhutan; China (Tibet [or Xizang], Yunnan, Sichuan); India (Uttar Pradesh, Arunachal Pradesh, Sikkim, Assam); Indonesia (Sumatra, Sulawesi); Myanmar; Nepal; Pakistan; Philippines; Viet Nam

Presence Uncertain

Lao People's Democratic Republic; Thailand

NUMBER OF LOCATIONS

UPPER ELEVATION LIMIT

LOWER ELEVATION LIMIT

Geographic Range in detail

Population

CURRENT POPULATION TREND

Decreasing

NUMBER OF MATURE INDIVIDUALS

POPULATION SEVERELY FRAGMENTED

Yes

CONTINUING DECLINE OF MATURE INDIVIDUALS

Yes

Population in detail

Habitat and Ecology

SYSTEM

Terrestrial

HABITAT TYPE

Forest

GENERATION LENGTH (YEARS)

30 years

CONGREGATORY

CONTINUING DECLINE IN AREA, EXTENT AND/OR QUALITY OF HABITAT

Yes

Habitat and Ecology in detail

Threats

Agriculture & aquaculture

- Annual & perennial non-timber crops

Biological resource use

- Gathering terrestrial plants
- Logging & wood harvesting

Threats in detail

Use and Trade

Food - animal

Local: ✓

National: X

International: X

Threats

Construction or structural materials

Local: ✓

National: ✓

International: ✓

Handicrafts, jewellery, etc.

Local: ✓

National: X

International: X

Food - human

Local: ✓

National: X

International: X

Other household goods

Local: ✓

National: ✓

International: ✓

Medicine - human & veterinary

Local: ✓

National: ✓

International: ✓

Use and Trade in detail

Conservation Actions

In-place research and monitoring

- Action Recovery Plan : Yes
- Systematic monitoring scheme : No

In-place land/water protection

- Percentage of population protected by PAs : 10
- Area based regional management plan : No
- Occurs in at least one protected area : Yes
- Invasive species control or prevention : No

In-place species management

- Harvest management plan : Yes
- Successfully reintroduced or introduced benignly : No
- Subject to ex-situ conservation : Yes

In-place education

- Subject to recent education and awareness programmes : Yes
- Included in international legislation : Yes
- Subject to any international management / trade controls : Yes

Conservation Actions in detail

Bibliography

Red List Bibliography

Feedback

EXTERNAL DATA

Images and External Links

Images and External Links in detail

CITES Legislation from Species+

DATA SOURCE

The information below is from the Species+ website.

CITES Legislation from Species+ in detail

Studies and Actions from Conservation Evidence

DATA SOURCE

The information below is from the Conservation Evidence website.

Studies and Actions from Conservation Evidence in detail

THE RED LIST PARTNERSHIP



ABOUT

- How the Red List is Used
- Searching The IUCN Red List
- Regional Red List Assessments
- Sponsors
- Red List Committee
- The IUCN Green Status of Species
- IUCN–Toyota Partnership
- Background & History
- Frequently Asked Questions
- Citing The IUCN Red List

Barometer of Life Red List Partnership

ASSESSMENT PROCESS

Raw Data to Red List
Reasons for Changing Category
Red List Index
IUCN Species Information Service (SIS)
Assessment Petitions
Measuring Recovery with the IUCN Green Status of Species
Supporting Information
The Species Threat Abatement and Restoration (STAR) Metric
Red List Authorities
Planned Red List Updates

RESOURCES AND PUBLICATIONS

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IUCN 2023. The IUCN Red List of Threatened Species. Version 2022-2.

<<https://www.iucnredlist.org>>

ISSN 2307-8235

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Old Edible Fruits of Himachal Pradesh

Compiled and Edited by

Shri Kunal Satyarthi, IFS

Dr. Y.P. Sharma

Dr. Pankaj Sharma

Dr. Pratima Vaidya

Dr. S.S. Randhawa

Contributors

Mr. Harish Bharti, Dr. Priyanka Sharma, Dr. Rasna Gupta,

Ms. Kiran Lata and Mr. Ritesh Kumar



s regia L.

Wild Edible Fruits of Himachal Pradesh

hrot, Khod, Walnut
glandaceae
00-3000 m

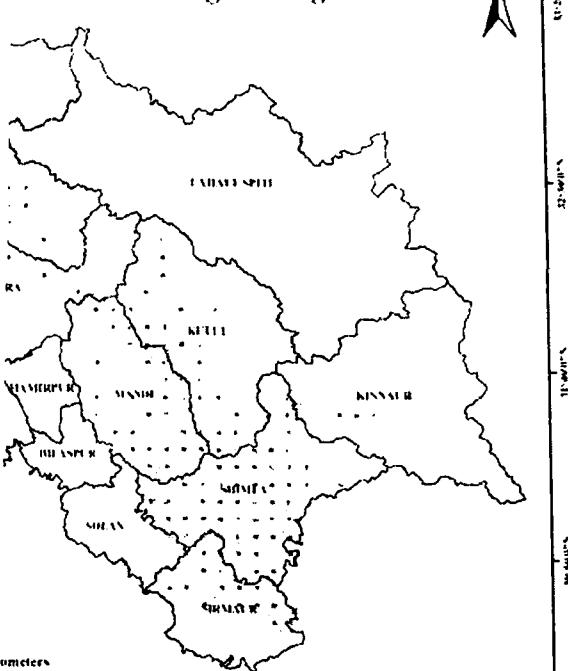
rge tree

bruary-April

ly-September

Walnut is native to Himalayas and Southwest China and is usually planted around localities but naturalized as an escape in forests. In Himachal Pradesh, it occurs in Chamba, Kullu, Mandi, Solan, Jammu, Bilaspur, Kangra, Shimla and Sirmaur districts.

Distribution of *Juglans regia*



Ethnobotanical Uses

- ✦ Kernels are consumed as dry fruits and to garnish various cuisines and often mixed with roasted grains for consumption in winter seasons and is a source for edible oil.
- ✦ The paste of kernels used as stuffing material in different steamed/fried preparation like *bhatura* and *sidhu*.
- ✦ Bark is used like toothbrush (*dandasa*) and bark/leaves for curing toothache.
- ✦ Roots, bark and leaf are used as dye/hair colouring agent.
- ✦ The leaves are used in scrofula, rickets and leucorrhoea.
- ✦ The leaves are used as repellent in store grain bins to protect against pests.
- ✦ Nuts are offered to deities on their arrival in localities during religious ceremonies.

Medicinal importance

- ✦ Walnut husk directly applied to the skin for skin diseases, skin infections, and eyelid swelling.
- ✦ In combination with other herbs, walnut husk is used to treat diabetes, stomach inflammation, anaemia.
- ✦ The kernels are antilithic, diuretic and stimulant. These are used internally for remedy of low back pain, frequent urination, weakness of legs, chronic cough, asthma, constipation (due to dryness) or anaemia and stones in the urinary tract. The kernel paste is applied to areas of dermatitis and eczema.
- ✦ The plant leaves are anthelmintic, anti-inflammatory, astringent and have detoxifying effects, and are also used for constipation, coughs, asthma, diarrhoea, dyspepsia etc. The leaves are used to cure skin ailments, purify blood, curing strumous sores and excessive sweating in the hands and feet.

Miscellaneous uses

- ✦ Wood is used as timber for furniture and wood carving.
- ✦ Trees are planted in farm boundaries and also for reclamation of waste lands.
- ✦ The leaf extract has strong bactericidal activity against microorganisms.

Phytochemicals

- ✦ Amino acids, ferulic acid, vanillic acid, omega-6, omega-3, juglone, barium, arsenic in traces, myricetin, syringic acid, coumaric acid, oleic palmitic, stearic, linoleic acid, linolenic acid and tocopherol.

Unique value

Walnuts are good source of polyunsaturated fatty acids (PUFA) (Omega-6 and Omega-3) and polyphenols which reduces the chances of coronary heart disease, different types of cancer and also have anti-inflammatory/anti-mutagenic properties.

Nutritional profile

Constituents	Value (per 100g)
Proteins	15.2 g
Carbohydrates	13.7 g
Fats	65.2g
Dietary fibre	6.7 g
Ascorbic acid	1.3 mg
Potassium	0.8 mg
Magnesium	1580 mg
Calcium	98.0 mg
Phosphorus	3460 mg
Iron	2.9mg
Energy	6544 kcal

Khrot, Khod, Walnut

Juglandaceae

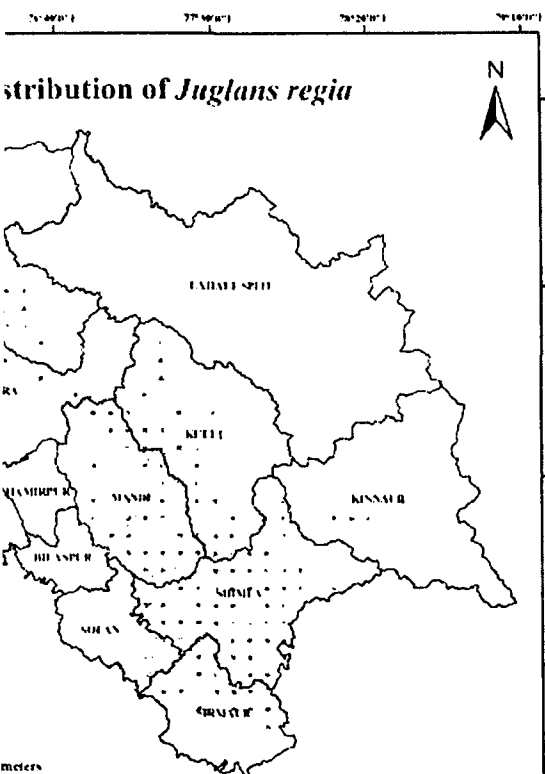
200-3000 m

Large tree

February-April

July-September

Walnut is native to Himalayas and Southwest China and is usually planted around localities but naturalized as an escape in forests. In Himachal Pradesh, it occurs in Chamba, Kullu, Mandi, Solan, Kinnaur, Bilaspur, Kangra, Shimla and Sirmaur districts.



Ethnobotanical Uses

- ✦ Kernels are consumed as dry fruits and to garnish various cuisines and often mixed with roasted grains for consumption in winter seasons and is a source for edible oil.
- ✦ The paste of kernels used as stuffing material in different steamed/fried preparation like *bhatura* and *siddu*.
- ✦ Bark is used like toothbrush (*dandasa*) and bark/leaves for curing toothache.
- ✦ Roots, bark and leaf are used as dye/hair colouring agent.
- ✦ The leaves are used in scrofula, rickets and leucorrhoea.
- ✦ The leaves are used as repellent in store grain bins to protect against pests.
- ✦ Nuts are offered to deities on their arrival in localities during religious ceremonies.

Medicinal importance

- ✦ Walnut husk directly applied to the skin for skin diseases, skin infections, and eyelid swelling.
- ✦ In combination with other herbs, walnut husk is used to treat diabetes, stomach inflammation, anaemia.
- ✦ The kernels are antilithic, diuretic and stimulant. These are used internally for remedy of low back pain, frequent urination, weakness of legs, chronic cough, asthma, constipation (due to dryness) or anaemia and stones in the urinary tract. The kernel paste is applied to areas of dermatitis and eczema.
- ✦ The plant leaves are anthelmintic, anti-inflammatory, astringent and have detoxifying effects, and are also used for constipation, coughs, asthma, diarrhoea, dyspepsia etc. The leaves are used to cure skin ailments, purify blood, curing strumous sores and excessive sweating in the hands and feet.

Miscellaneous uses

- ✦ Wood is used as timber for furniture and wood carving.
- ✦ Trees are planted in farm boundaries and also for reclamation of waste lands.
- ✦ The leaf extract has strong bactericidal activity against microorganisms.

Phytochemicals

- ✦ Amino acids, ferulic acid, vanillic acid, omega-6, omega-3, juglone, barium, arsenic in traces, myricetin, syringic acid, coumaric acid, oleic palmitic, stearic, linoleic acid, linolenic acid and tocopherol.

Unique value

Walnuts are good source of polyunsaturated fatty acids (PUFA) (Omega-6 and Omega-3) and polyphenols which reduces the chances of coronary heart disease, different types of cancer and also have anti-inflammatory/anti-mutagenic properties.

Nutritional profile

Constituents	Value (per 100 g)
Proteins	15.2 g
Carbohydrates	13.7 g
Fats	65.2g
Dietary fibre	6.7 g
Ascorbic acid	1.3 mg
Potassium	0.8 mg
Magnesium	1580 mg
Calcium	98.0 mg
Phosphorus	3460 mg
Iron	2.9 mg
Energy	654.4 kcal

Juglans regia L.

Common name : Akhrot, Khod, Walnut
Family : Juglandaceae
Elevation : 1200-3000 m
Life form : Large tree
Flowering : February-April
Fruiting : July-September
Distribution : Walnut is native to Himalayas and Southwest China and is usually planted around localities but naturalized as an escape in forests. In Himachal Pradesh, it occurs in Chamba, Kullu, Mandi, Solan, Kinnaur, Bilaspur, Kangra, Shimla and Sirmaur districts.

Ethnobotanical Uses

- ✧ Kernels are consumed as mixed with roasted grains edible oil.
- ✧ The paste of kernels is used in preparation like *bhatura*.
- ✧ Bark is used like toothbrush.
- ✧ Roots, bark and leaf are used.
- ✧ The leaves are used in scrub.
- ✧ The leaves are used as repellent.
- ✧ Nuts are offered to deities in religious ceremonies.

Medicinal importance

- ✧ Walnut husk directly applied for eyelid swelling.
- ✧ In combination with other herbs for inflammation, anaemia.
- ✧ The kernels are antilithic remedy of low back pain, asthma, constipation (due to laxative effect). The kernel paste is applied.
- ✧ The plant leaves are used for detoxifying effects, and for dyspepsia etc. The leaves are used for strumous sores and excess

Miscellaneous uses

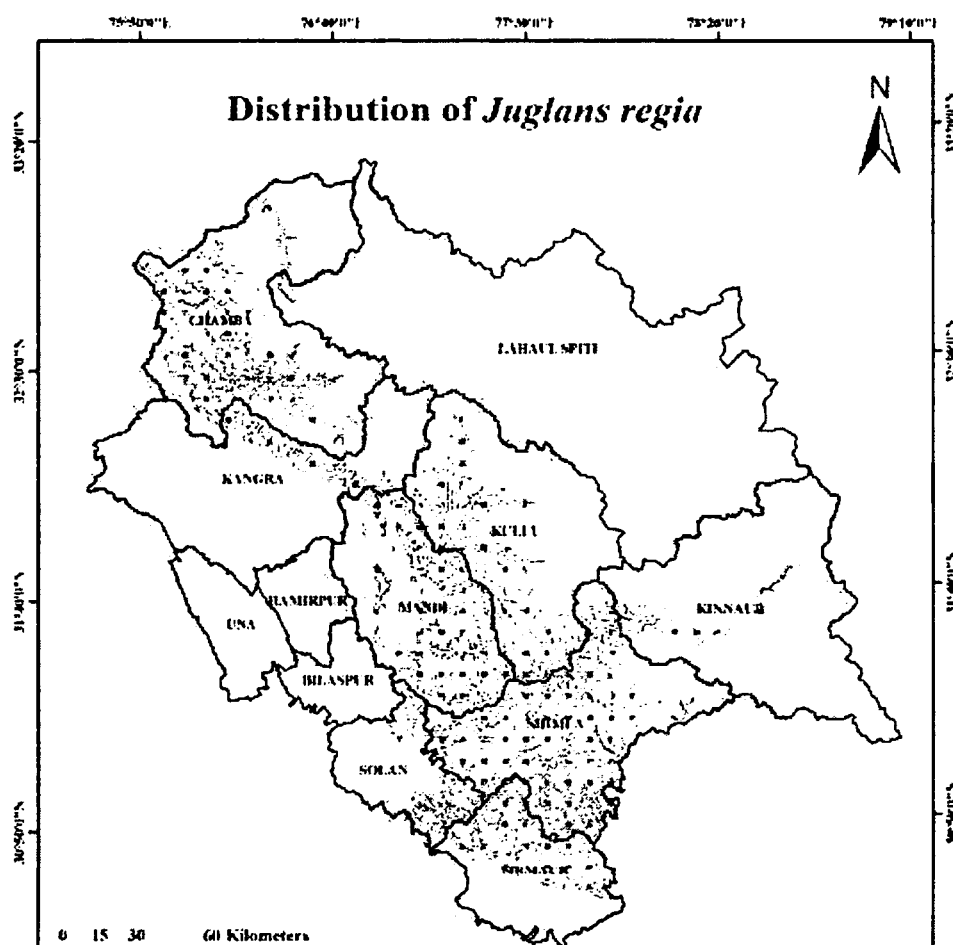
- ✧ Wood is used as timber for furniture.
- ✧ Trees are planted in farm borders.
- ✧ The leaf extract has strong insecticidal activity.

Phytochemicals

- ✧ Amino acids, ferulic acid, gallic acid, arbutin in traces, myricetin, linoleic acid, linolenic acid.

Unique value

Walnuts are good source of antioxidants which reduces the chance of inflammatory/anti-mutagenic.



- (a) Whether a special plan is being prepared by the Ministry for the conservation of wild fruit and grassy plants in Himachal Pradesh;

Answer: *Not traceable*

- (b) If so, the details thereof;

Answer: *Not readily available*

- (c) Whether the Ministry is aware of the fact that Rakhal, Kali Papdi, Wild Walnut and Almond plants are on the verge of extinction in Himachal Pradesh;

Answer: *Not readily available*

- (d) If so, the details thereof; and

Answer: *Not readily available*

- (e) The steps taken by the Government to conserve the species of plants on the verge of extinction in Himachal Pradesh?

Answer:

- 11th Regional Centre of Botanical Survey of India as High Altitude Western Himalayan Regional Centre was opened in December, 2019 with its jurisdiction area of Himachal Pradesh, Jammu & Kashmir and Ladakh.
- Under Assistance to Botanic Garden Programme, funded by MoEFCC for Ex-situ conservation and maintenance Endangered, Rare, Threatened plants of Himalayan region of Himachal Pradesh the following projects are being conducted
 1. Ex-situ conservation and maintenance of Selected Endangered, Rare Threatened and Potential Native Ornamentals of Western Himalayan region of Himachal Pradesh at Dr. Y. S. Parmar University of Horticulture and Forestry, Nauni, Solan, H. P. - entrusted to Dr. Puja Sharma
 2. 'Ex-situ conservation and propagation of Indigenous, threatened and endemic plants through improvement of infrastructural facilities in University Botanic Garden at Department of Forest products, Dr. Y. S. Parmar University of Horticulture and Forestry, Nauni, Solan, H.P.' entrusted to Dr. Bhupender Dutt
 3. 'Ex-situ conservation of rare, endangered, threatened (RET) endemic & economic plant resources of Western Himalayan Region' Institute of Himalayan Bio-resource Technology (IHBT), CSIR, Palampur, H.P.

31/07/23

BSI/HAWHRC/TECH./2023-24/453 dated: 31.07.2023

1. Lok Sabha Starred Diary No. 6549 regarding "Setting up of Research Centres for Medicinal Plants" for 04/08/2023.

Name of the Regional Centre	Whether Medicinal Plants are being conserved at the garden	Number of Medicinal Plants conserved
B.S.I., HAWHRC, Solan (H.P.)	Till date no experimental garden as this is a new regional centre established in December, 2019.	NIL

2. Rajya Sabha Question Dy No. U1010 for answer on 10.08.2023 regarding "Plant conservation"-reg.

a). Weather a special plan is being prepared by the Ministry for the conservation of wild fruits and grassy plants in Himachal Pradesh.

~~Not yet~~ Yes. The State Biodiversity Board initiated a program for conserving the ~~plants~~ wild edible and grassy plants in HP. Annual.

b). If so, the details thereof; No details.

c). Weather the Ministry is aware of the fact that Rakhal, Kali Papadi, Wild Walnut and Wild Almond plants are on the verge of extinction in Himachal Pradesh;

 No details available

d). If so, the details thereof; and: No details.

e). the steps taken by the Government to conserve the species of plants on the verge of extinction in Himachal Pradesh?

11th Regional Centre of Botanical Survey of India as High Altitude Western Himalayan Regional Centre was opened in December, 2019 with its jurisdiction area of Himachal Pradesh, Jammu & Kashmir and Ladakh.

Rakhal (Tax ...) in Ind. .
are endemic in its natural habitat. However
the species are being introduced in different botanical
in HP as well as in other parts of ~~India~~ Himachal
Pradesh

Email

Technical Section BSI

Re: Rajya Sabha Question Dy No. U1010 for answer on 10.08.2023 regarding "Plant conservation"-reg.

From : bsisolan2019@gmail.com

Mon, Jul 31, 2023 03:54 PM

Subject : Re: Rajya Sabha Question Dy No. U1010 for answer on 10.08.2023 regarding "Plant conservation"-reg.

1 attachment

To : Technical Section BSI <tech@bsi.gov.in>

Subject: Lok Sabha Starred Diary No. 6549 regarding and Rajya Sabha Question Dy No. U1010 regd.

Respected Sir,

Please find attached as cited above for needful action at your end.

With Regards

Kuldip S. Dogra

Scientist- D

Botanical Survey of India

(Ministry of Environment, Forest and Climate Change- Govt. of India)

High Altitude Western Himalayan Regional Centre,

UHF, Nauni Campus, Solan- 173230 (H.P.)

On Mon, 31 Jul 2023 at 13:01, Technical Section BSI <tech@bsi.gov.in> wrote:

Sir,

With reference to the above mentioned subject, please find enclosed herewith the Rajya Sabha Question Dy No. U1010 regarding 'Plant conservation' received by this office from the MoEF&CC, New Delhi. In this connection, you are requested to expedite your comments/input/ available information on the same to this office by **today (31.07.2023)** positively.

Thanking You

.....
Technical Section

Botanical Survey of India, HQ

Salt Lake City, Kolkata - 700 064

Emails: tech@bsi.gov.in ; tech.bsi2021@gmail.com



BSI Technical Section <tech.bsi2021@gmail.com>

Fwd: Rajya Sabha Question Dy No. U1010 for answer on 10.08.2023 regarding "Plant conservation".

1 message

ADMIN BSI <admin@bsi.gov.in>

Fri, Jul 28, 2023 at 9:55 PM

To: Technical Section BSI <tech@bsi.gov.in>, tech bsi2021 <tech.bsi2021@gmail.com>, ssdash2002 <ssdash2002@gmail.com>

Cc: Ashiho Asosii Mao <hq@bsi.gov.in>, aamao2008 <aamao2008@gmail.com>, C Murugan <cmurugan@bsi.gov.in>, "Dr. C Murugan" <sivanthimurugan@rediffmail.com>

In-charge

Technical Section

Sir

forwarded this with attachment for the needful action

C. Murugan

Dr. Subhagany.
for new pl.
General
over
31/7/23

From: sobsi2012@gmail.com**To:** "Hoo, BSI Hqrs" <hoo-hqrs@bsi.gov.in>, "Ashiho Asosii Mao" <hq@bsi.gov.in>, "ADMIN BSI" <admin@bsi.gov.in>**Sent:** Friday, July 28, 2023 5:17:29 PM**Subject:** Rajya Sabha Question Dy No. U1010 for answer on 10.08.2023 regarding "Plant conservation".

Respected Sir,

Please find attached Rajya Sabha Question Dy No. U1010 for answer on 10.08.2023 regarding Plant conservation and to request you to furnish inputs for the question immediately.

--

Under Secretary (CS-II)

MoEF&CC

011-20819234

**Plant conservation_0001.pdf**

776K

TECHNICAL SECTION, OFFICE OF DIRECTOR, BSI,	
Dy. No.	T-284
Date	31.07.2023

Plant conservation**From :** rsqns@sansad.nic.in

Thu, Jul 27, 2023 10:58 AM

Subject : Plant conservation**To :** parlsec-mef@nic.in

PROVISIONALLY ADMITTED QUESTION FOR THE RAJYA SABHA

Starred /Unstarred Diary No.-- U1010

The Question Will be put down for -- 10/08/2023

Answer on the Ministry Department -- Environment, Forest and Climate Change(EFCC)

Plant conservation

- (a) whether a special plan is being prepared by the Ministry for the conservation of wild fruit and grassy plants in Himachal Pradesh;
- (b) if so, the details thereof;
- (c) whether the Ministry is aware of the fact that Rakhal, Kali Papdi, Wild Walnut and Wild Almond plants are on the verge of extinction in Himachal Pradesh;
- (d) if so, the details thereof;and
- (e) the steps taken by the Government to conserve the species of plants on the verge of extinction in Himachal Pradesh?


27/07/23

1 GFI (NEAB)
20/07/23
The matter does not pertain to NEAB
The matter pertains to CS Division
27/7/23
27/7/23

C.S. Division II
27/7/23

Juglans regia L.

Common name : Akhrot, Khod, Walnut
Family : Juglandaceae
Elevation : 1200-3000 m
Life form : Large tree
Flowering : February-April
Fruiting : July-September
Distribution : Walnut is native to Himalayas and Southwest China and is usually planted around localities but naturalized as an escape in forests. In Himachal Pradesh, it occurs in Chamba, Kullu, Mandi, Solan, Kinnaur, Bilaspur, Kangra, Shimla and Sirmaur districts.

Ethnobotanical Uses

- ⇒ Kernels are consumed as mixed with roasted grains edible oil.
- ⇒ The paste of kernels us preparation like *bhatura* a
- ⇒ Bark is used like toothbrush
- ⇒ Roots, bark and leaf are us
- ⇒ The leaves are used in scr
- ⇒ The leaves are used as rep
- ⇒ Nuts are offered to dei ceremonies.

Medicinal importance

- ✦ Walnut husk directly applied to the eyelid swelling.
- ✦ In combination with other herbs, it is used for inflammation, anaemia.
- ✦ The kernels are antilithic and are a remedy of low back pain, asthma, constipation (due to dryness). The kernel paste is applied to the affected area.
- ✦ The plant leaves are astringent, have detoxifying effects, and are used for dyspepsia *etc.* The leaves are also used for strumous sores and excess

Miscellaneous uses

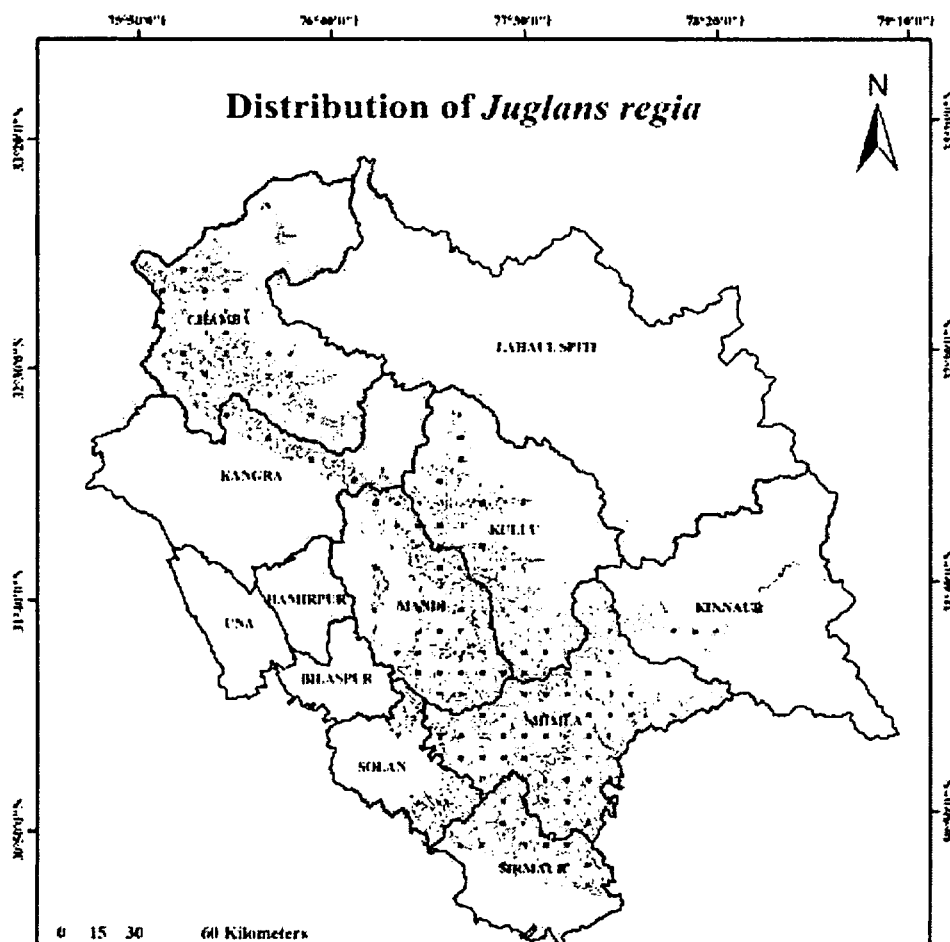
- ⌘ Wood is used as timber for
- ⌘ Trees are planted in farm b
- ⌘ The leaf extract has strong

Phytochemicals

- ✦ Amino acids, ferulic acid, pantoic acid, ascorbic acid, arsenic in traces, myricetin, gallic acid, linoleic acid, linolenic acid

Unique value

Walnuts are good source
which reduces the chance
inflammatory/anti-mutagenic



chrot, Khod, Walnut

glandaceae

00-3000 m

arge tree

bruary-April

ly-September

Walnut is native to Himalayas and Southwest China

and is usually planted around localities but

aturalized as an escape in forests. In Himachal

adesh, it occurs in Chamba, Kullu, Mandi, Solan,

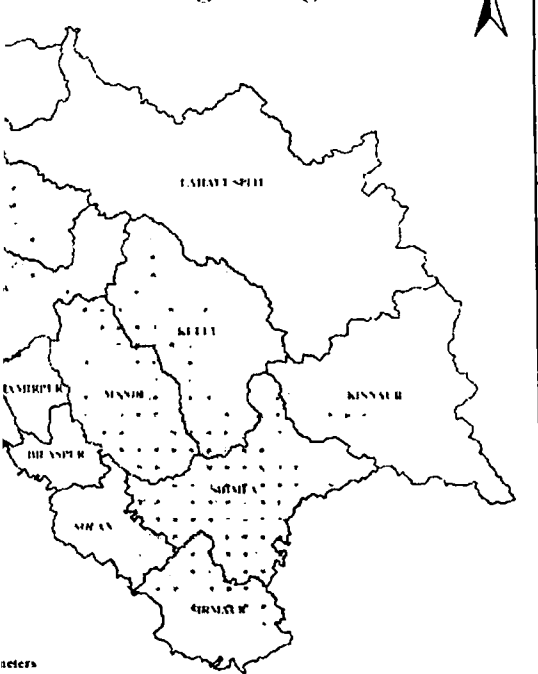
innaur, Bilaspur, Kangra, Shimla and Sirmaur

istricts.

74° 40' E 77° 40' E 79° 40' E 81° 40' E

31° 40' N 32° 40' N 33° 40' N 34° 40' N

Distribution of *Juglans regia*



Ethnobotanical Uses

- ☞ Kernels are consumed as dry fruits and to garnish various cuisines and often mixed with roasted grains for consumption in winter seasons and is a source for edible oil.
- ☞ The paste of kernels used as stuffing material in different steamed/fried preparation like *bhatura* and *siddu*.
- ☞ Bark is used like toothbrush (*dandasa*) and bark/leaves for curing toothache.
- ☞ Roots, bark and leaf are used as dye/hair colouring agent.
- ☞ The leaves are used in scrofula, rickets and leucorrhoea.
- ☞ The leaves are used as repellent in store grain bins to protect against pests.
- ☞ Nuts are offered to deities on their arrival in localities during religious ceremonies.

Medicinal importance

- ☞ Walnut husk directly applied to the skin for skin diseases, skin infections, and eyelid swelling.
- ☞ In combination with other herbs, walnut husk is used to treat diabetes, stomach inflammation, anaemia.
- ☞ The kernels are antilithic, diuretic and stimulant. These are used internally for remedy of low back pain, frequent urination, weakness of legs, chronic cough, asthma, constipation (due to dryness) or anaemia and stones in the urinary tract. The kernel paste is applied to areas of dermatitis and eczema.
- ☞ The plant leaves are anthelmintic, anti-inflammatory, astringent and have detoxifying effects, and are also used for constipation, coughs, asthma, diarrhoea, dyspepsia etc. The leaves are used to cure skin ailments, purify blood, curing strumous sores and excessive sweating in the hands and feet.

Miscellaneous uses

- ☞ Wood is used as timber for furniture and wood carving.
- ☞ Trees are planted in farm boundaries and also for reclamation of waste lands.
- ☞ The leaf extract has strong bactericidal activity against microorganisms.

Phytochemicals

- ☞ Amino acids, ferulic acid, vanillic acid, omega-6, omega-3, juglone, barium, arsentic in traces, myricetin, syringic acid, coumaric acid, oleic palmitic, stearic, linoleic acid, linolenic acid and tocopherol.

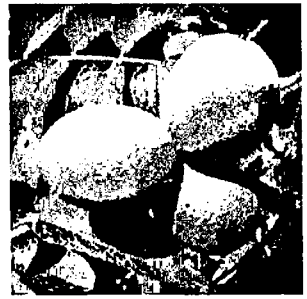
Unique value

Walnuts are good source of polyunsaturated fatty acids (PUFA) (Omega-6 and Omega-3) and polyphenols which reduces the chances of coronary heart disease, different types of cancer and also have anti-inflammatory/anti-mutagenic properties.

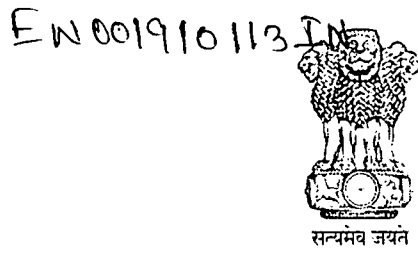
Nutritional profile

Constituents	Value (per 100g)
Proteins	15.2 g
Carbohydrates	13.7 g
Fats	65.2g
Dietary fibre	6.7 g
Ascorbic acid	1.3 mg
Potassium	0.8 mg
Magnesium	158.0 mg
Calcium	98.0 mg
Phosphorus	346.0 mg
Iron	2.9mg
Energy	654.4 kcal

Juglans regia







स्पीड पोस्ट / SPEED POST



भारत सरकार
GOVERNMENT OF INDIA
पर्यावरण, वन एवं जलवायु परिवर्तन मंत्रालय
MINISTRY OF ENVIRONMENT, FOREST & CLIMATE
CHANGE

भारतीय वनस्पति सर्वेक्षण / BOTANICAL SURVEY OF INDIA
सी.जी.ओ. कॉम्प्लेक्स / CGO COMPLEX
तृतीय एम. एस. भवन / 3RD MSO BUILDING
पाँचवाँ और छठा तल / 5TH & 6TH FLOOR
डी एफ ब्लॉक, सेक्टर-1 / DF BLOCK, SECTOR I
साल्टलेक, कोलकाता-६४ / SALT LAKE, KOLKATA - 700064
Tel.: (033) 2321 4050 [Tech. Section] ; E-mail: tech@bsi.gov.in

फाइल संख्या/ File No.: BSI-286/1 (Parl.) / 2024 -Tech.

दिनांक/Date : 30 Jan -2024

सेवा में / To

The Secretary
Ministry of Environment, Forest and Climate Change
Indira Paryavaran Bhawan, Jor Bagh Road
New Delhi - 110003

(Kind attention: Dr. Priti Singh, Scientist D, MoEF&CC, New Delhi)

Subject: Rajya Sabha Provisionally Admitted Starred/Unstarred Question Diary No. U776 for answer on 06.02.2024 regarding "Preservation and Production of herbs/Medicines in the state of Jharkhand"- reg.

महोदया/ Madam,

With reference to your email, dated 25th January, 2024 regarding Rajya Sabha Starred/Unstarred question diary no U776 for 06.02.2024 on "Protect critical Ayurveda herbal plants" received in this office, I am directed to furnish herewith the following information for your kind perusal and necessary action as follows:

- a) Year-wise details of the amount allocate and spent for the Preservation and Production of herbs/ medicines in the state of Jharkhand in the last 5 years?

Answer: As per the mandates, BSI undertakes field survey, exploration, documentation, and *ex-situ* conservation of the wild plant resources of the country. Therefore, this question does not pertain to BSI.

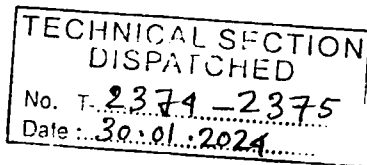
This issues with the approval of Director (1/c), Botanical Survey of India.

सधन्यवाद/ Thanking you,

भवदीय/Yours sincerely

(उमेशकुमार ल. तिवारी / Umeshkumar L. Tiwari)
वैज्ञानिक डी / Scientist 'D'

For, (प्रभारी, तकनीकी अनुभाग / In-charge, Tech. Section)



Copy to:

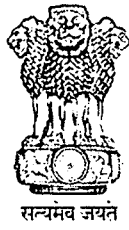
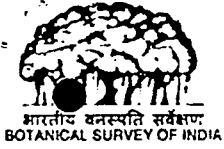
Dr. R. Murugeswaran, Deputy Adviser (MPs), National Medicinal Plant Board, 1st Floor, IRCS, Annexe Building, Near Indian Red Cross Society, Red Cross Road, New Delhi - 110001 (Emails: romps.nmpb@gov.in; info-nmpb@nic.in; kavita.tyagi@nic.in) for information.

EW 001916127 IN



1848-49
भारत / DESPATCHED
30/1/24





भारत सरकार
GOVERNMENT OF INDIA
पर्यावरण, वन एवं जलवायु परिवर्तन मंत्रालय
MINISTRY OF ENVIRONMENT, FOREST & CLIMATE
CHANGE

भारतीय वनस्पति सर्वेक्षण / BOTANICAL SURVEY OF INDIA
सी.जी.ओ. कॉम्प्लेक्स / CGO COMPLEX
तृतीय एम. एस. ओ. भवन / 3RD MSO BUILDING
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Tel.: (033) 2321 4050 [Tech. Section] ; E-mail: tech@bsi.gov.in

फाइल संख्या/ File No.: BSI-286/1 (Parl.) / 2024 -Tech.

दिनांक/Date : दिनांक/Date : 30 Jan -2024

सेवा में / To

The Secretary
Ministry of Environment, Forest and Climate Change
Indira Paryavaran Bhawan, Jor Bagh Road
New Delhi - 110003

(Kind attention: Dr. Priti Singh, Scientist D, MoEF&CC, New Delhi)

Subject: Rajya Sabha Provisionally Admitted Question Starred/ Unstarred Diary No. U715 for 06.02.2024 regarding "protect critical Ayurveda herbal plants"- reg.

महोदया / Madam,

With reference to your email, dated 25th January, 2024 regarding Rajya Sabha Starred/Unstarred question diary no U715 for 06.02.2024 on "Protect critical Ayurveda herbal plants" received in this office from Dr. R. Murugeswaran, Deputy Adviser, (MPs) MoEF&CC, New Delhi, I am directed to furnish herewith the following information for your kind perusal and necessary action as follows:

a) *What actions are being taken by the government to protect critical Ayurveda herbal plants, which are essential for traditional medicine?*

Answer: As per the mandates, BSI undertakes field survey, exploration, documentation, and ex-situ conservation of the wild plant resources of the country. Therefore, this question does not come under the purview of BSI.

b) *How many Ayurveda herbal species have been identified as critical, and what specific conservation efforts are in place for these plants?*

2800 species as CR
Answer: As per data available in different sources, there are more than 2800 species of medicinal plants used in different traditional systems of Indian Medicine. Through the ex-situ conservation, BSI conserves medicinal plants in its Botanical gardens, located in different phytogeographical regions of the country, which is provided in Annexure 1.

c) *Can the government detail any collaborative efforts with local communities or organizations for the sustainable cultivation and preservation of these critical Ayurveda herbs?*

Answer: Govt. of India (MoEF&CC), formulates policies for protection of forests. Legislations, such as the Wildlife (Protection) Act, 1972, to accord protection of forests and their components, including medicinal plants. The Biological Diversity Act, 2002 and Rules (2004), regulates the access to forest components, including medicinal plants. MoEF & CC has shortlisted the extinction prone species state-wise, formulated the guidelines to prohibit or regulate their collection from wild and has circulated it to different states and union territories for notification in terms of section 38 of Biological Diversity Act 2002. Further, it is also supporting a number of projects on conservation of some specific medicinal plants as well as Medicinal Plants Conservation Areas (MPCAs) that are primarily forested areas.

Cultivation of medicinal or Ayurveda herbs in degraded forest lands is supported through schemes of the National Afforestation & Eco-development Board (NAEB), MoEF & CC. Many threatened species are conserved in Botanical Gardens associated with BSI and gardens associated with different universities/colleges under 'Assistance to Botanic Gardens' Scheme of MoEF & CC. The threatened species of plants are being conserved by adopting both strategies viz. *in situ conservation* (i.e. in their own habitat) and *ex situ conservation* following conventional as well as modern techniques (tissue culture). However, BSI has no information on the cultivation and preservation of critical Ayurveda herbs in the country.

d) Are there any national policies or programs dedicated to the research and development of cultivation techniques to ensure the survival of endangered Ayurveda herbal plants?

Answer: This question does not pertain to BSI.

This issues with the approval of Director (1/c), Botanical Survey of India.

सधन्यवाद/ Thanking you,

भवदीय/Yours sincerely

(उमेशकुमार ल. तिवारी / Umeshkumar L. Tiwari)

वैज्ञानिक डी / Scientist 'D'

For, (प्रभारी, तकनीकी अनुभाग / In-charge, Tech. Section)

Copy to:

Dr. R. Murugeswaran, Deputy Adviser (MPs), National Medicinal Plant Board, 1st Floor, IRCS, Annexe Building, Near Indian Red Cross Society, Red Cross Road, New Delhi - 110001 (Emails: romps.nmpb@gov.in; info-nmpb@nic.in; kavita.tyagi@nic.in) for information.

BOTANICAL SURVEY OF INDIA

The list of medicinal plants conserved in the gardens are given below:

Medicinal plants conserved in BSI, ERC, Shillong

- | | |
|-------------------------------------|--|
| 1. <i>Acmella calva</i> | 37. <i>Bidens pilosa</i> |
| 2. <i>Acmella paniculata</i> | 38. <i>Bixa orellana</i> |
| 3. <i>Acorus calamus</i> | 39. <i>Blumea balsamifera</i> |
| 4. <i>Adenanthera pavonina</i> | 40. <i>Bombax ceiba</i> |
| 5. <i>Adiantum capillus-veneris</i> | 41. <i>Bryophyllum pinnatum</i> |
| 6. <i>Adiantum philippense</i> | 42. <i>Carica papaya</i> |
| 7. <i>Ageratum conyzoides</i> | 43. <i>Cassia fistula</i> |
| 8. <i>Albizia chinensis</i> | 44. <i>Centella asiatica</i> |
| 9. <i>Allium hookeri</i> | 45. <i>Cephalotaxus manii</i> |
| 10. <i>Alocasia macrorrhizos</i> | 46. <i>Cheilocostus speciosus</i> |
| 11. <i>Aloe vera</i> | 47. <i>Chenopodium album</i> |
| 12. <i>Alpinia galanga</i> | 48. <i>Chromolaena odorata</i> |
| 13. <i>Alpinia nigra</i> | 49. <i>Cinnamomum camphora</i> |
| 14. <i>Alternanthera sessilis</i> | 50. <i>Cinnamomum tamala</i> |
| 15. <i>Amaranthus spinosus</i> | 51. <i>Cinnamomum verum</i> |
| 16. <i>Amaranthus viridis</i> | 52. <i>Citrus latipes</i> |
| 17. <i>Amomum aromaticum</i> | 53. <i>Clerodendrum colebrookianum</i> |
| 18. <i>Anisomeles indica</i> | 54. <i>Clerodendrum glandulosum</i> |
| 19. <i>Antidesma acidum</i> | 55. <i>Clerodendrum infortunatum</i> |
| 20. <i>Aquilaria malaccensis</i> | 56. <i>Coix lacryma-jobi</i> |
| 21. <i>Aralia armata</i> | 57. <i>Colocasia esculenta</i> |
| 22. <i>Ardisia paniculata</i> | 58. <i>Commelina benghalensis</i> |
| 23. <i>Areca catechu</i> | 59. <i>Costus speciosus</i> |
| 24. <i>Argemone mexicana</i> | 60. <i>Crassocephalum crepidioides</i> |
| 25. <i>Argyreia nervosa</i> | 61. <i>Crinum asiaticum</i> |
| 26. <i>Arisaematortuosum</i> | 62. <i>Crinum latifolium</i> |
| 27. <i>Artocarpus heterophyllus</i> | 63. <i>Curculigo orchoides</i> |
| 28. <i>Artocarpus lakoocha</i> | 64. <i>Curcuma angustifolia</i> |
| 29. <i>Arundo donax</i> | 65. <i>Curcuma caesia</i> |
| 30. <i>Asparagus racemosus</i> | 66. <i>Curcuma longa</i> |
| 31. <i>Averrhoa carambola</i> | 67. <i>Cuscuta reflexa</i> |
| 32. <i>Azadirachta indica</i> | 68. <i>Cycas pectinata</i> |
| 33. <i>Baccaurea ramiflora</i> | 69. <i>Cymbopogon citratus</i> |
| 34. <i>Bauhinia purpurea</i> | 70. <i>Cynodon dactylon</i> |
| 35. <i>Bauhinia variegata</i> | 71. <i>Dendrobium moschatum</i> |
| 36. <i>Betula alnoides</i> | 72. <i>Dillenia indica</i> |

73. *Dillenia pentaphylla*
74. *Drymaria cordata*
75. *Duchesnea indica*
76. *Dysoxylum gobara*
77. *Eclipta prostrata*
78. *Elaeocarpus floribundus*
79. *Elsholtzia blanda*
80. *Emilia sonchifolia*
81. *Engelhardtia spicata*
82. *Eryngium foetidum*
83. *Erythrina arborescens*
84. *Eupatorium adenophorum*
85. *Euphorbia hirta*
86. *Ficus auriculata*
87. *Ficus hispida*
88. *Ficus palmata*
89. *Ficus racemosa*
90. *Ficus semicordata*
91. *Garcinia cowa*
92. *Gloriosa superba*
93. *Goniothalamus sesquipedalis*
94. *Gynocardia odorata*
95. *Gynura cusimbua*
96. *Hedychium coronarium*
97. *Hedychium marginatum*
98. *Hedychium rubrum*
99. *Hedychium spicatum*
100. *Hedyotis scandens*
101. *Hemidescus indicus*
102. *Hibiscus cannabinus*
103. *Hodgsonia heteroclita*
104. *Holarrhena pubescens*
105. *Houttuynia cordata*
106. *Houttuynia cordata*
107. *Hydnocarpus kurzii*
108. *Hypocharis radicata*
109. *Iris laevigata*
110. *Jasminum multiflorum*
111. *Jasminum sambac*
112. *Justicia adhatoda*
113. *Kaempferia galanga*
114. *Kaempferia parviflora*
115. *Kaempferia rotunda*
116. *Lagerstroemia indica*
117. *Lantana camara*
118. *Leea indica*
119. *Litsea cubeba*
120. *Ludwigia octovalvis*
121. *Mahonia pycnophylla*
122. *Mallotus philipensis*
123. *Manihot esculenta*
124. *Melia azedarach*
125. *Mentha arvensis*
126. *Mesua ferrea*
127. *Mimosa pudica*
128. *Mucuna macrocarpa*
129. *Mucuna pruriens*
130. *Murraya koenigii*
131. *Myrica esculenta*
132. *Neolamarckia cadamba*
133. *Nepenthes khasiana*
134. *Ocimum tenuiflorum*
135. *Oroxylum indicum*
136. *Osbeckia nipalensis*
137. *Osbeckia stellata*
138. *Oxalis corniculata*
139. *Oxalis corniculata*
140. *Parkia timoriana*
141. *Passiflora edulis*
142. *Pavetta indica*
143. *Phlogacanthus curviflorus*
144. *Phlogacanthus thyrsiflorus*
145. *Phyllanthus emblica*
146. *Phyllanthus urinaria*
147. *Pilea melastomoides*
148. *Piper griffithii*
149. *Piper longum*
150. *Piper nigrum*
151. *Plantago asiatica* var. *erosa*
152. *Plantago erosa*
153. *Pouzolzia hirta*
154. *Prunus domestica*
155. *Psidium guajava*
156. *Punica granatum*
157. *Rauvolfia serpentina*
158. *Rhododendron arboreum*
159. *Rhus chinensis*
160. *Rhus semialata*

- | | |
|----------------------------------|---------------------------------------|
| 161. <i>Ricinus communis</i> | 180. <i>Stephania glandulifera</i> |
| 162. <i>Rotala rotundifolia</i> | 181. <i>Stevia rebaudiana</i> |
| 163. <i>Rothea serrata</i> | 182. <i>Syzygium cumini</i> |
| 164. <i>Rubia cordifolia</i> | 183. <i>Taxus baccata</i> |
| 165. <i>Rubus ellipticus</i> | 184. <i>Taxus wallichiana</i> |
| 166. <i>Saraca asoka</i> | 185. <i>Terminalia arjuna</i> |
| 167. <i>Schima wallichii</i> | 186. <i>Terminalia chebula</i> |
| 168. <i>Scutellaria discolor</i> | 187. <i>Terminalia myriocarpa</i> |
| 169. <i>Senna alata</i> | 188. <i>Terminilia arjuna</i> |
| 170. <i>Sida acuta</i> | 189. <i>Tinospora sinensis</i> |
| 171. <i>Sida cordifolia</i> | 190. <i>Toona ciliata</i> |
| 172. <i>Smilax ovalifolia</i> | 191. <i>Viburnum foetidum</i> |
| 173. <i>Solanum americanum</i> | 192. <i>Vitex negundo</i> |
| 174. <i>Solanum anguivi</i> | 193. <i>Zanthoxylum acanthopodium</i> |
| 175. <i>Solanum myriacanthum</i> | 194. <i>Zanthoxylum armatum</i> |
| 176. <i>Solanum torvum</i> | 195. <i>Zingiber montanum</i> |
| 177. <i>Sonchus asper</i> | 196. <i>Zingiber officinale</i> |
| 178. <i>Spondias pinnata</i> | 197. <i>Zingiber zerumbet</i> |
| 179. <i>Stephania glabra</i> | |

List of the Medicinal plants conserved and multiplied at BSI, AZRC, Jodhpur

- | | |
|---|------------------------------------|
| 1. <i>Aegle marmelos</i> | 24. <i>Moringa concanensis</i> |
| 2. <i>Asparagus racemosus</i> | 25. <i>Moringa oleifera</i> |
| 3. <i>Barleria prionitis</i> | 26. <i>Murraya koenigii</i> |
| 4. <i>Barleria prionitis</i> var. <i>dicantha</i> | 27. <i>Murraya paniculata</i> |
| 5. <i>Blepharis indica</i> | 28. <i>Nyctanthes arbortristis</i> |
| 6. <i>Butea monosperma</i> | 29. <i>Ocimum basilicum</i> |
| 7. <i>Cassia fistula</i> | 30. <i>Oroxylum indicum</i> |
| 8. <i>Chlorophytum borivilianum</i> | 31. <i>Plumbago zeylanica</i> |
| 9. <i>Cissus quadrangularis</i> | 32. <i>Pongamia pinnata</i> |
| 10. <i>Citrullus colocynthis</i> | 33. <i>Salvadora oleoides</i> |
| 11. <i>Clerodendrum multiflorum</i> | 34. <i>Salvadora persica</i> |
| 12. <i>Clorophytum tuberosum</i> | 35. <i>Santalum album</i> |
| 13. <i>Combretum indicum</i> | 36. <i>Sapindus laurifolius</i> |
| 14. <i>Commiphora wightii</i> | 37. <i>Saraca asoka</i> |
| 15. <i>Costus speciosus</i> | 38. <i>Senegalia catechu</i> |
| 16. <i>Curcuma amada</i> | 39. <i>Senna alata</i> |
| 17. <i>Datura metal</i> | 40. <i>Senna auriculata</i> |
| 18. <i>Desmodium gangeticum</i> | 41. <i>Sesbania grandiflora</i> |
| 19. <i>Ephedra ciliata</i> | 42. <i>Solanum torvum</i> |
| 20. <i>Grewia tenax</i> | 43. <i>Solanum trilobatum</i> |
| 21. <i>Justicia adhatoda</i> | 44. <i>Sphagneticola trilobata</i> |
| 22. <i>Madhuca longifolia</i> | 45. <i>Sterculia urens</i> |
| 23. <i>Mimosa pudica</i> | 46. <i>Syzygium cumini</i> |

47. *Syzygium hyneanum*
48. *Terminalia arjuna*
49. *Terminalia bellirica*
50. *Terminalia crenulata*
51. *Tinospora cordifolia*
52. *Tylophora indica*

53. *Vitex negundo*
54. *Vitex trifoliata*
55. *Withania coagulans*
56. *Withania somnifera*
57. *Wrightia tinctoria*
58. *Zingiber sp.*

List of the Medicinal plants conserved at BSI, SRC, NOEG, Yercaud, Tamil Nadu

1. *Acorus calamus* L.
2. *Andrographis paniculata* (Burm.f)
Wall ex Nees
3. *Alpinia galanga* (L.)Sw.
4. *Anisochilus carnosus* (L.f.)Wall ex
Benth.
5. *Celastrus paiculatus* Willd.
6. *Ervatamia heyneana* (Wall.)Cook
7. *Hedychium coronarium* Koen.
8. *Jatropha pandurifolia* Andr.
9. *Orthosiphon aristatus* (Blume) Miq.
10. *Pogostemon heyneanus* Benth.
11. *Rhinacanthus nasuta* (L.) Kurz
12. *Ruta graveolens* L.
13. *Scilla hyacinthiana* (Roth.)Macb.
And
14. *Vitex negundo* L.

old replies for reference



भारत सरकार / GOVERNMENT OF INDIA
पर्यावरण, वन एवं जलवायु परिवर्तन मंत्रालय / MINISTRY OF ENVIRONMENT, FOREST & CLIMATE CHANGE
भारतीय वनस्पति सर्वेक्षण / BOTANICAL SURVEY OF INDIA
सी.जी.ओ. कॉम्प्लेक्स, तृतीय एम. एस. ओ. भवन / CGO COMPLEX, 3RD MSO BUILDING
ब्लॉक एफ, पाँचवाँ और छठा तल / BLOCK F, 5TH & 6TH FLOOR
डी एफ ब्लॉक, सेक्टर १, साल्ट लेक / DF BLOCK, SECTOR I, SALT LAKE
कोलकाता - ६४ / KOLKATA - 700 064



File No. BSI- 286/1 (Parl.) / 2021 -Tech. /1966

Date: 23.03. 2022

सेवा मे / To

The Secretary of the Govt. of India
Ministry of Environment, Forest & Climate Change
New Delhi - 110003

(Kind attention: Dr. M. Ramesh, Scientist 'E', MoEF&CC, New Delhi)

Subject: Rajya Sabha Admitted Unstarred Question No.2892 for 29.03.2022 asked by Shri Vijay Pal Singh Tomar and Shri Haranath Singh Yadav regarding Promotion of medicinal plants" -- reg.

Sir,

With reference to the email dated 23rd March 2022 received from the National Medicinal Plant Board, on the above-mentioned subject, I am directed to furnish herewith the information for your kind perusal and necessary action.

(a) The details of the medicinal plants available in the country; and

Answer: BSI, mandated for survey of plant diversity of the country; its documentation, including traditional knowledge associated with it at National, Regional, State and Ecosystem level and its conservation in different parts of the country has been carrying out survey and documentation of all plant resources of the country including medicinal/aromatic plants and herbs. The survey is the nodal repository for Reference Plant Collections and at present houses about 3.2 million specimens in its different herbaria, which help in taxonomic characterization and monitoring of species, including medicinal plants. As per current estimation, about 8000 species of medicinal plants are found in the country (West Himalaya ca. 1500 species, East Himalaya ca. 3000 species, Western Ghats ca. 2000 species, Eastern Ghats ca. 1500 species including Andaman & Nicobar Islands. As per data available in different sources, there are more than 2800 species of medicinal plants used in different traditional systems of Indian Medicine. Through the *ex-situ* conservation, BSI conserves medicinal plants in its Botanical gardens, located in different phytogeographical regions of the country, which is provided in *Annexure 1*.

(b) the details of the steps being taken by Government for the farming conservation processing and promotion of such medicinal plants

Answer:

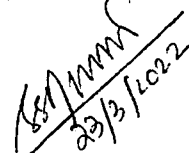
Govt. of India (MoEF&CC), formulates policies for protection of forests. Legislations, such as the Wildlife (Protection) Act, 1972, to accord protection of forests and their components, including medicinal plants. The Biological Diversity Act, 2002 and Rules (2004), regulates the access to forest components, including medicinal plants. MoEF & CC has shortlisted the extinction prone species state-wise, formulated the guidelines to prohibit or regulate their collection from wild and has circulated it to different states and union territories for notification in terms of section 38 of Biological Diversity Act 2002. Further, it is also supporting a number of projects on conservation of some specific medicinal plants as well as Medicinal Plants Conservation Areas (MPCAs) that are primarily forested areas.

Cultivation of medicinal plants in degraded forest lands is supported through schemes of the National Afforestation & Eco-development Board (NAEB), MoEF & CC. Many threatened species are conserved in Botanical Gardens associated with BSI and gardens associated with different universities/colleges under 'Assistance to Botanic Gardens' Scheme of MoEF & CC. The threatened species of plants are being conserved by adopting both strategies viz. in situ conservation (i.e. in their own habitat) and ex situ conservation following conventional as well as modern techniques (tissue culture). However, BSI has no information on the the farming, processing and promotion of such medicinal plants in the country.

This issues with the approval of Director, Botanical Survey of India.

सधन्यवाद / Thanking you,

भवदीय / Yours sincerely



(एस. एस. दाश / S. S. Dash)

वैज्ञानिक ई / Scientist 'E'

(प्रभारी, तकनीकी अनुभाग / In-charge, Tech. Section)

Copy to:

Dr. Kavita Tyagi, (Medicinal plants & Agronomy), National Medicinal Plants Board, Ministry of AYUSH, Govt. of India, Indian Red Cross Society (IRCS), Annexe Building, 1st floor & 2nd floor, 1 Red Cross Road, New Delhi – 110001 for information.

BOTANICAL SURVEY OF INDIA

The list of medicinal plants conserved in the gardens are given below:

Medicinal plants conserved in BSI, ERC, Shillong

- | | |
|-------------------------------------|--|
| 1. <i>Acmella calva</i> | 37. <i>Bidens pilosa</i> |
| 2. <i>Acmella paniculata</i> | 38. <i>Bixa orellana</i> |
| 3. <i>Acorus calamus</i> | 39. <i>Blumea balsamifera</i> |
| 4. <i>Adenanthera pavonina</i> | 40. <i>Bombax ceiba</i> |
| 5. <i>Adiantum capillus-veneris</i> | 41. <i>Bryophyllum pinnatum</i> |
| 6. <i>Adiantum philippense</i> | 42. <i>Carica papaya</i> |
| 7. <i>Ageratum conyzoides</i> | 43. <i>Cassia fistula</i> |
| 8. <i>Albizia chinensis</i> | 44. <i>Centella asiatica</i> |
| 9. <i>Allium hookeri</i> | 45. <i>Cephalotaxus manii</i> |
| 10. <i>Alocasia macrorrhizos</i> | 46. <i>Cheilocostus speciosus</i> |
| 11. <i>Aloe vera</i> | 47. <i>Chenopodium album</i> |
| 12. <i>Alpinia galanga</i> | 48. <i>Chromolaena odorata</i> |
| 13. <i>Alpinia nigra</i> | 49. <i>Cinnamomum camphora</i> |
| 14. <i>Alternanthera sessilis</i> | 50. <i>Cinnamomum tamala</i> |
| 15. <i>Amaranthus spinosus</i> | 51. <i>Cinnamomum verum</i> |
| 16. <i>Amaranthus viridis</i> | 52. <i>Citrus latipes</i> |
| 17. <i>Amomum aromaticum</i> | 53. <i>Clerodendrum colebrookianum</i> |
| 18. <i>Anisomeles indica</i> | 54. <i>Clerodendrum glandulosum</i> |
| 19. <i>Antidesma acidum</i> | 55. <i>Clerodendrum infortunatum</i> |
| 20. <i>Aquilaria malaccensis</i> | 56. <i>Coix lacryma-jobi</i> |
| 21. <i>Aralia armata</i> | 57. <i>Colocasia esculenta</i> |
| 22. <i>Ardisia paniculata</i> | 58. <i>Commelina benghalensis</i> |
| 23. <i>Areca catechu</i> | 59. <i>Costus speciosus</i> |
| 24. <i>Argemone mexicana</i> | 60. <i>Crassocephalum crepidioides</i> |
| 25. <i>Argyreia nervosa</i> | 61. <i>Crinum asiaticum</i> |
| 26. <i>Arisaematortuosum</i> | 62. <i>Crinum latifolium</i> |
| 27. <i>Artocarpus heterophyllus</i> | 63. <i>Curculigo orchiodes</i> |
| 28. <i>Artocarpus lakoocha</i> | 64. <i>Curcuma angustifolia</i> |
| 29. <i>Arundo donax</i> | 65. <i>Curcuma caesia</i> |
| 30. <i>Asparagus racemosus</i> | 66. <i>Curcuma longa</i> |
| 31. <i>Averrhoa carambola</i> | 67. <i>Cuscuta reflexa</i> |
| 32. <i>Azadirachta indica</i> | 68. <i>Cycas pectinata</i> |
| 33. <i>Baccaurea ramiflora</i> | 69. <i>Cymbopogon citratus</i> |
| 34. <i>Bauhinia purpurea</i> | 70. <i>Cynodon dactylon</i> |
| 35. <i>Bauhinia variegata</i> | 71. <i>Dendrobium moschatum</i> |
| 36. <i>Betula alnoides</i> | 72. <i>Dillenia indica</i> |

73. *Dillenia pentaphylla*
74. *Drymaria cordata*
75. *Duchesnea indica*
76. *Dysoxylum gobara*
77. *Eclipta prostrata*
78. *Elaeocarpus floribundus*
79. *Elsholtzia blanda*
80. *Emilia sonchifolia*
81. *Engelhardtia spicata*
82. *Eryngium foetidum*
83. *Erythrina arborescens*
84. *Eupatorium adenophorum*
85. *Euphorbia hirta*
86. *Ficus auriculata*
87. *Ficus hispida*
88. *Ficus palmata*
89. *Ficus racemosa*
90. *Ficus semicordata*
91. *Garcinia cowa*
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93. *Goniothalamus sesquipedalis*
94. *Gynocardia odorata*
95. *Gynura cusimbua*
96. *Hedychium coronarium*
97. *Hedychium marginatum*
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99. *Hedychium spicatum*
100. *Hedyotis scandens*
101. *Hemidescus indicus*
102. *Hibiscus cannabinus*
103. *Hodgsonia heteroclita*
104. *Holarrhena pubescens*
105. *Houttuynia cordata*
106. *Houttuynia cordata*
107. *Hydnocarpus kurzii*
108. *Hypocharis radicata*
109. *Iris laevigata*
110. *Jasminum multiflorum*
111. *Jasminum sambac*
112. *Justicia adhatoda*
113. *Kaempferia galanga*
114. *Kaempferia parviflora*
115. *Kaempferia rotunda*
116. *Lagerstroemia indica*
117. *Lantana camara*
118. *Leea indica*
119. *Litsea cubeba*
120. *Ludwigia octovalvis*
121. *Mahonia pycnophylla*
122. *Mallotus phillipensis*
123. *Manihot esculenta*
124. *Melia azedarach*
125. *Mentha arvensis*
126. *Mesua ferrea*
127. *Mimosa pudica*
128. *Mucuna macrocarpa*
129. *Mucuna pruriens*
130. *Murraya koenigii*
131. *Myrica esculenta*
132. *Neolamarckia cadamba*
133. *Nepenthes khasiana*
134. *Ocimum tenuiflorum*
135. *Oroxylum indicum*
136. *Osbeckia nipalensis*
137. *Osbeckia stellata*
138. *Oxalis corniculata*
139. *Oxalis corniculata*
140. *Parkia timoriana*
141. *Passiflora edulis*
142. *Pavetta indica*
143. *Phlogacanthus curviflorus*
144. *Phlogacanthus thyrsoiflorus*
145. *Phyllanthus emblica*
146. *Phyllanthus urinaria*
147. *Pilea melastomoides*
148. *Piper griffithii*
149. *Piper longum*
150. *Piper nigrum*
151. *Plantago asiatica* var. *erosa*
152. *Plantago erosa*
153. *Pouzolzia hirta*
154. *Prunus domestica*
155. *Psidium guajava*
156. *Punica granatum*
157. *Rauvolfia serpentina*
158. *Rhododendron arboreum*
159. *Rhus chinensis*
160. *Rhus semialata*

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|----------------------------------|---------------------------------------|
| 161. <i>Ricinus communis</i> | 180. <i>Stephania glandulifera</i> |
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| 164. <i>Rubia cordifolia</i> | 183. <i>Taxus baccata</i> |
| 165. <i>Rubus ellipticus</i> | 184. <i>Taxus wallichiana</i> |
| 166. <i>Saraca asoka</i> | 185. <i>Terminalia arjuna</i> |
| 167. <i>Schima wallichii</i> | 186. <i>Terminalia chebula</i> |
| 168. <i>Scutellaria discolor</i> | 187. <i>Terminalia myriocarpa</i> |
| 169. <i>Senna alata</i> | 188. <i>Terminilia arjuna</i> |
| 170. <i>Sida acuta</i> | 189. <i>Tinospora sinensis</i> |
| 171. <i>Sida cordifolia</i> | 190. <i>Toona ciliata</i> |
| 172. <i>Smilax ovalifolia</i> | 191. <i>Viburnum foetidum</i> |
| 173. <i>Solanum americanum</i> | 192. <i>Vitex negundo</i> |
| 174. <i>Solanum anguivi</i> | 193. <i>Zanthoxylum acanthopodium</i> |
| 175. <i>Solanum myriacanthum</i> | 194. <i>Zanthoxylum armatum</i> |
| 176. <i>Solanum torvum</i> | 195. <i>Zingiber montanum</i> |
| 177. <i>Sonchus asper</i> | 196. <i>Zingiber officinale</i> |
| 178. <i>Spondias pinnata</i> | 197. <i>Zingiber zerumbet</i> |
| 179. <i>Stephania glabra</i> | |

List of the Medicinal plants conserved and multiplied at BSI, AZRC, Jodhpur

- | | |
|---|------------------------------------|
| 1. <i>Aegle marmelos</i> | 24. <i>Moringa concanensis</i> |
| 2. <i>Asparagus racemosus</i> | 25. <i>Moringa oleifera</i> |
| 3. <i>Barleria prionitis</i> | 26. <i>Murraya koenigii</i> |
| 4. <i>Barleria prionitis</i> var. <i>dicantha</i> | 27. <i>Murrya paniculata</i> |
| 5. <i>Blepharis indica</i> | 28. <i>Nyctanthes arbortristis</i> |
| 6. <i>Butea monosperma</i> | 29. <i>Ocimum basilicum</i> |
| 7. <i>Cassia fistula</i> | 30. <i>Oroxylum indicum</i> |
| 8. <i>Chlorophytum borivilianum</i> | 31. <i>Plumbago zeylanica</i> |
| 9. <i>Cissus quadrangularis</i> | 32. <i>Pongamia pinnata</i> |
| 10. <i>Citrullus colocynthis</i> | 33. <i>Salvadora oleoides</i> |
| 11. <i>Clerodendrum multiflorum</i> | 34. <i>Salvadora persica</i> |
| 12. <i>Clorophytum tuberosum</i> | 35. <i>Santalum album</i> |
| 13. <i>Combretum indicum</i> | 36. <i>Sapindus laurifolius</i> |
| 14. <i>Commiphora wightii</i> | 37. <i>Saraca asoka</i> |
| 15. <i>Costus speciosus</i> | 38. <i>Senegalia catechu</i> |
| 16. <i>Curcuma amada</i> | 39. <i>Senna alata</i> |
| 17. <i>Datura metal</i> | 40. <i>Senna auriculata</i> |
| 18. <i>Desmodium gangeticum</i> | 41. <i>Sesbania grandiflora</i> |
| 19. <i>Ephedra ciliata</i> | 42. <i>Solanum torvum</i> |
| 20. <i>Grewia tenax</i> | 43. <i>Solanum trilobatum</i> |
| 21. <i>Justicia adhatoda</i> | 44. <i>Sphagneticola trilobata</i> |
| 22. <i>Madhuca longifolia</i> | 45. <i>Sterculia urens</i> |
| 23. <i>Mimosa pudica</i> | 46. <i>Syzygium cumini</i> |

47. *Syzygium hyneanum*
48. *Terminalia arjuna*
49. *Terminalia bellirica*
50. *Terminalia crenulata*
51. *Tinospora cordifolia*
52. *Tylophora indica*

53. *Vitex negundo*
54. *Vitex trifoliata*
55. *Withania coagulans*
56. *Withania somnifera*
57. *Wrightia tinctoria*
58. *Zingiber sp.*

List of the Medicinal plants conserved at BSI, SRC, NOEG, Yercaud, Tamil Nadu

1. *Acorus calamus* L.
2. *Andrographis paniculata* (Burn.f)
Wall ex Nees
3. *Alpinia galanga* (L.)Sw.
4. *Anisochilus carnosus* (L.f.)Wall ex
Benth.
5. *Celastrus paiculatus* Willd.
6. *Ervatamia heyneana* (Wall.)Cook
7. *Hedychium coronarium* Koen.
8. *Jatropha pandurifolia* Andr.
9. *Orthosiphon aristatus* (Blume) Miq.
10. *Pogostemon heyneanus* Benth.
11. *Rhinacanthus nasuta* (L.) Kurz
12. *Ruta graveolens* L.
13. *Scilla hyacinthiana* (Roth.)Macb.
And
14. *Vitex negundo* L.

Email

Technical Section BSI

Rajya Sabha Provisionally Admitted Question Starred / Unstarred Diary No. U715 for 06.02.2024 regarding "protect critical Ayurveda herbal plants" – reg.

From : SunilDutt ResearchOfficer(MedicnialPlants/Agro)
<romps.nmpb@gov.in>

Wed, Jan 24, 2024 05:37 PM

1 attachment

Subject : Rajya Sabha Provisionally Admitted Question Starred / Unstarred Diary No. U715 for 06.02.2024 regarding "protect critical Ayurveda herbal plants" – reg.

To : Nameeta Prasad <nameeta.prasad@gov.in>, Sujit Kumar Bajpayee <sujit.baju@gov.in>, Mr Satyajit Mishra <satyajit.mishra@nic.in>, Shubha Thakur <sthakur@nic.in>, Ashish Malhotra <ashish.malhotra@nic.in>, Priya Ranjan <priya.ranjan98@gov.in>, A Dhanalakshmi <a.dhanalakshmi@nic.in>, DST Website Support <ws-dst@gov.in>, DEVARAJAN K.R <parldst@nic.in>, Director General CSIR <dg@csir.res.in>, Dr(Mr) Himanshu Pathak <dg.icar@nic.in>, Director General CSIR <dgcsir@csir.res.in>, Ashiho Asosii Mao <hq@bsi.gov.in>, ADMIN BSI <admin@bsi.gov.in>, Technical Section BSI <tech@bsi.gov.in>, Dr. B Balaji <secretary@nba.nic.in>

Cc : Murugeswaran R <dr.murugesh.nmpb@gov.in>

Sir / Madam,

Kindly find the attachment on subject cited parliament question.

It is requested that point-wise information for the Question may kindly be furnished both in hard as well as soft copy (E-mail: romps.nmpb@gov.in) **by 29th January, 2024 latest by 02:00 PM.**

With regards,

Sunil Dutt

Research Officer (Medicinal Plants/Agronomy)

National Medicinal Plants Board (NMPB),
Ministry of Ayush, Government of India,
Indian Red Cross Society (IRCS) Annexe Building,
1st Floor, 1 Red Cross Road, New Delhi-110001.

Tel : **011-23721836**, Email: romps.nmpb@gov.in, Website :

<https://www.nmpb.nic.in/>

#AYUSH#ZindagiRaheKhush

Sundhir / Subapathy
(Sundhir)
25/1/2024
Sneha PS. putap
Sundhir
25/1/2024

TECHNICAL SECTION, OFFICE OF DIRECTOR, BSI,	
Dy. No.	F 423
Date	25.01.2024



— **Rajya Sabha Provisionally Admitted Q.Dy. No. U715 JS.pdf**
403 KB

F. No. – H.11017/14/2023-24-NMPB-VI
Government of India
Ministry of Ayush
National Medicinal Plants Board

1st & 2nd Floor,
IRCS Annexe Building,
Red Cross Road, New Delhi –01
E-mail: romps.nmpb@gov.in
Dated: 24.01.2024

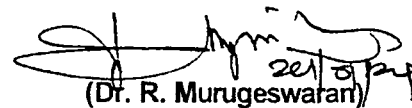
OFFICE MEMORANDUM

Subject: Rajya Sabha Provisionally Admitted Question Starred / Unstarred Diary No. U715 for 06.02.2024 regarding “protect critical Ayurveda herbal plants” – reg.

The undersigned is directed to refer to the above said Rajya Sabha Question as reproduced hereunder:

- (a) What actions are being taken by the government to protect critical Ayurveda herbal plants, which are essential for traditional medicine?
- (b) How many Ayurveda herbal species have been identified as critical, and what specific conservation efforts are in place for these plants?
- (c) Can the government detail any collaborative efforts with local communities or organizations for the sustainable cultivation and preservation of these critical Ayurveda herbs?
- (d) Are there any national policies or programs dedicated to the research and development of cultivation techniques to ensure the survival of endangered Ayurveda herbal plants?

It is requested that point-wise information for the above Question may kindly be furnished both in hard as well as soft copy (E-mail: romps.nmpb@gov.in) on 29.01.2024 latest by 02:00 PM to the undersigned.



(Dr. R. Murugeswaran)
Deputy Advisor (Medicinal Plants)

To

1. Joint Secretary (Parliament), Ministry of Environment, Forest and Climate Change, Indira Paryavaran Bhawan, Jor Bagh Road, Aliganj, New Delhi - 110003.
2. Joint Secretary, Ministry of Agriculture & Farmers Welfare, Department of Agriculture and Farmers Welfare, Krishi Bhawan, New Delhi – 110001.
3. Joint Secretary, Department of Science & Technology, Technology Bhawan, New Mehrauli Road, Block – C, Qutab Institutional Area, New Delhi – 110016.
4. Director General, Council of Scientific & Industrial Research, Anusandhan Bhawan, 2 Rafi Ahmed, Kidwai Marg, New Delhi-110001.
5. Director General, Indian Council of Agricultural Research, Krishi Bhawan, New Delhi-110001.
6. Director, Botanical Survey of India, CGO Complex, 3rd MSO Building, Block – F, DF Block, Sector – I, Salt Lake City, Kolkata – 70006.
7. Secretary, National Biodiversity Authority, 5th Floor, TICEL Bio Park, CSIR Road, Taramani, Chennai - 600 113. Email: secretary@nba.nic.in

Email

Technical Section BSI

Fwd: Rajya Sabha Provisionally Admitted Question Starred / Unstarred Diary No. U715 for 06.02.2024 regarding "protect critical Ayurveda herbal plants" – reg.

From : ssdash2002@gmail.com

Thu, Jan 25, 2024 11:28 AM

Subject : Fwd: Rajya Sabha Provisionally Admitted Question Starred / Unstarred Diary No. U715 for 06.02.2024 regarding "protect critical Ayurveda herbal plants" – reg.

1 attachment

To : skyadavbsic@gmail.com, Technical Section BSI <tech@bsi.gov.in>

Dr. Sudhir
[Signature]
29/1/2024

[Signature]
29/1/2024

----- Forwarded message -----

From: GEETA BHATNAGAR <geeta.bhatnagar@nic.in>

Date: Thu, 25 Jan, 2024, 10:36 AM

Subject: Fwd: Rajya Sabha Provisionally Admitted Question Starred / Unstarred Diary No. U715 for 06.02.2024 regarding "protect critical Ayurveda herbal plants" – reg.

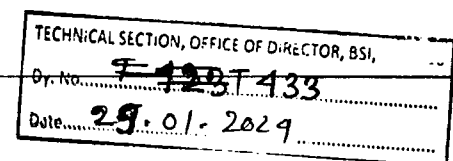
To: Ashiho Asosii Mao <hq@bsi.gov.in>, Hoo, BSI Hqrs <hoo-hqrs@bsi.gov.in>, Dr C Murugan <cmurugan@bsi.gov.in>, Sudhansu sekhar Dash <ssdash2002@gmail.com>, Dr Sudhansu Sekhar Dash <ssdash@bsi.gov.in>

Cc: sobsi2012 <sobsi2012@gmail.com>

Sir,

Please refer the trailing mail from M/O Ayush and expedite comments on RS provisionally admitted USQ Dy.No. U715.

Thanks and regards



From: "Nameeta Prasad" <nameeta.prasad@gov.in>

To: "GEETA BHATNAGAR" <geeta.bhatnagar@nic.in>

Cc: "rs dot bora" <rs.bora@nic.in>

Sent: Thursday, January 25, 2024 9:52:31 AM

Subject: Fwd: Rajya Sabha Provisionally Admitted Question Starred / Unstarred Diary No. U715 for 06.02.2024 regarding "protect critical Ayurveda herbal plants" – reg.

From: "SunilDutt ResearchOfficer(MedicnialPlants/Agro)" <romps.nmpb@gov.in>

To: "Nameeta Prasad" <nameeta.prasad@gov.in>, "Sujit Kumar Bajpayee" <sujit.baju@gov.in>, "Mr Satyajit Mishra" <satyajit.mishra@nic.in>, "Shubha Thakur" <sthakur@nic.in>, "Ashish Malhotra" <ashish.malhotra@nic.in>, "Priya Ranjan" <priya.ranjan98@gov.in>, "A Dhanalakshmi" <a.dhanalakshmi@nic.in>, "DST Website Support" <ws-dst@gov.in>, "DEVARAJAN K.R" <parldst@nic.in>, "Director General CSIR" <dg@csir.res.in>, "Dr(Mr) Himanshu Pathak" <dg.icar@nic.in>, "Director General CSIR" <dgcsir@csir.res.in>, "Ashiho Asosii Mao" <hq@bsi.gov.in>, "ADMIN BSI"

<admin@bsi.gov.in>, "Technical Section BSI" <tech@bsi.gov.in>, "Dr. B Balaji"
<secretary@nba.nic.in>

Cc: "Murugeswaran R" <dr.murugesw.nmpb@gov.in>

Sent: Wednesday, January 24, 2024 5:38:47 PM

Subject: Rajya Sabha Provisionally Admitted Question Starred / Unstarred Diary No. U715 for 06.02.2024 regarding "protect critical Ayurveda herbal plants" – reg.

Sir / Madam,

Kindly find the attachment on subject cited parliament question.

It is requested that point-wise information for the Question may kindly be furnished both in hard as well as soft copy (E-mail: romps.nmpb@gov.in) **by 29th January, 2024 latest by 02:00 PM.**

With regards,

Sunil Dutt

Research Officer (Medicinal Plants/Agronomy)

National Medicinal Plants Board (NMPB),
Ministry of Ayush, Government of India,
Indian Red Cross Society (IRCS) Annexe Building,
1st Floor, 1 Red Cross Road, New Delhi-110001.

Tel : **011-23721836**, Email: romps.nmpb@gov.in, Website :

<https://www.nmpb.nic.in/>

#AYUSH#ZindagiRaheKhush



--

*Nameeta Prasad,
Joint Secretary to the Govt of India,
Ministry of Environment, Forests and Climate Change,
Indira Pariyavaran Bhawan,
New Delhi*

*नमिता प्रसाद,
संयुक्त सचिव, भारत सरकार
पर्यावरण, वन और जलवायु परिवर्तन मंत्रालय,
इंदिरा पर्यावरण भवन,
नयी दिल्ली*

 **Rajya Sabha Provisionally Admitted Q.Dy. No. U715 JS.pdf**
403 KB



F. No. – H.11017/14/2023-24-NMPB-VI
Government of India
Ministry of Ayush
National Medicinal Plants Board

1st & 2nd Floor,
IRCS Annexe Building,
Red Cross Road, New Delhi –01
E-mail: romps.nmpb@gov.in
Dated: 24.01.2024

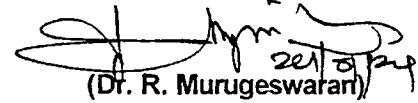
OFFICE MEMORANDUM

Subject: Rajya Sabha Provisionally Admitted Question Starred / Unstarred Diary No. U715 for 06.02.2024 regarding “protect critical Ayurveda herbal plants” – reg.

The undersigned is directed to refer to the above said Rajya Sabha Question as reproduced hereunder:

- (a) What actions are being taken by the government to protect critical Ayurveda herbal plants, which are essential for traditional medicine?
- (b) How many Ayurveda herbal species have been identified as critical, and what specific conservation efforts are in place for these plants?
- (c) Can the government detail any collaborative efforts with local communities or organizations for the sustainable cultivation and preservation of these critical Ayurveda herbs?
- (d) Are there any national policies or programs dedicated to the research and development of cultivation techniques to ensure the survival of endangered Ayurveda herbal plants?

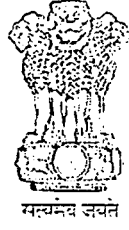
It is requested that point-wise information for the above Question may kindly be furnished both in hard as well as soft copy (E-mail: romps.nmpb@gov.in) on 29.01.2024 latest by 02:00 PM to the undersigned.


(Dr. R. Murugeswaran)

Deputy Advisor (Medicinal Plants)

To

1. Joint Secretary (Parliament), Ministry of Environment, Forest and Climate Change, Indira Paryavaran Bhawan, Jor Bagh Road, Aliganj, New Delhi - 110003.
2. Joint Secretary, Ministry of Agriculture & Farmers Welfare, Department of Agriculture and Farmers Welfare, Krishi Bhawan, New Delhi – 110001.
3. Joint Secretary, Department of Science & Technology, Technology Bhawan, New Mehrauli Road, Block – C, Qutab Institutional Area, New Delhi – 110016.
4. Director General, Council of Scientific & Industrial Research, Anusandhan Bhawan, 2 Rafi Ahmed, Kidwai Marg, New Delhi-110001.
5. Director General, Indian Council of Agricultural Research, Krishi Bhawan, New Delhi-110001.
6. Director, Botanical Survey of India, CGO Complex, 3rd MSO Building, Block – F, DF Block, Sector – I, Salt Lake City, Kolkata – 70006.
7. Secretary, National Biodiversity Authority, 5th Floor, TICEL Bio Park, CSIR Road, Taramani, Chennai - 600 113. Email: secretary@nba.nic.in



भारत सरकार
GOVERNMENT OF INDIA
पर्यावरण, वन एवं जलवायु परिवर्तन मंत्रालय
MINISTRY OF ENVIRONMENT, FOREST & CLIMATE
CHANGE

भारतीय वनस्पति सर्वेक्षण / BOTANICAL SURVEY OF INDIA
सी.जी.ओ. कॉम्प्लेक्स / CGO COMPLEX
तृतीय एम. एस. ओ. भवन / 3RD MSO BUILDING
पाँचवाँ और छठा तल / 5TH & 6TH FLOOR
डी एफ ब्लॉक, सेक्टर 1 / DF BLOCK, SECTOR I
साल्टलेक, कोलकाता-६४ / SALT LAKE, KOLKATA - 700064
Tel.: (033) 2321 4050 [Tech. Section] ; E-mail: tech@bsi.gov.in

फाइल संख्या/ File No.: BSI-286/1 (Parl.) / 2024 -Tech./2395 दिनांक/Date : 31 Jan -2024

सेवा में / To

The Secretary
Ministry of Environment, Forest and Climate Change
Indira Paryavaran Bhawan, Jor Bagh Road
New Delhi - 110003

(Kind attention: Dr. Priti Singh, Scientist D, MoEF&CC, New Delhi)

Subject: Lok Sabha Admitted Unstarred Question No. 224 for answer on 02.02.2024 regarding "Production and Export of Medicinal Plants" asked by SHRI SUNIL DATTATRAY TATKARE- reg.

महोदया/ Madam,

With reference to your email, dated 29th January, 2024 regarding Lok Sabha Unstarred question No. 224 for answer on "Production and Export of Medicinal Plants" received by this office from Dr. R. Murugeswaran, Deputy Adviser, (MPs) MoEF&CC, New Delhi, I am directed to furnish herewith the following information for your kind perusal and necessary action as follows:

a) *The quantity of medicinal plants and herbs produced in the country particularly in Maharashtra during the last three years and the current year, State/UT-wise;*

Answer: As per the mandates, BSI undertakes field survey, exploration, documentation, of the wild plant resources of the country. Besides, under *Ex-situ* conservation, BSI scientists collect and conserve the RET plants including Medicinal plants in its botanical gardens spread across different biogeographical regions of India. However, BSI has no information on the quantity of medicinal plants and herbs produced in the country.

b) *The details of the financial assistance provided to promote the farming of medicinal plants and herbs during the said period, State/UT-wise;*

Answer: Not applicable to BSI.

c) *The quantity of medicinal plants exported from the country including Maharashtra during the said period;*

Answer: This question does not pertain to BSI.

d) *The steps taken to promote the production of Ayurvedic and herbal medicines in the country including Maharashtra;*

Answer: This question does not pertain to BSI.

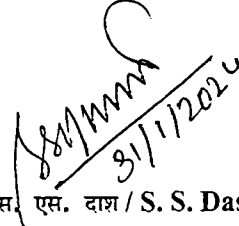
e) *Whether the Government encourages/proposes to encourage the farmers for cultivation of*

medicinal plants under any scheme; and
Answer: Not applicable to BSI.

- f) If so, the details thereof along with the steps taken/proposed to be taken by the Government to promote the emerging nutraceutical industry?
Answer: Not applicable to BSI.

This issues with the approval of Director ~~BSI~~, Botanical Survey of India.
सधन्यवाद/ Thanking you,

भवदीय/Yours sincerely


(एस. एस. दाश / S. S. Dash)
वैज्ञानिक एफ / Scientist 'F'

(प्रभारी, तकनीकी अनुभाग / In- charge, Tech. Section)

Copy to:

Dr. R. Murugeswaran, Deputy Adviser (MPs), National Medicinal Plant Board, 1st Floor, IRCS, Annexe Building, Near Indian Red Cross Society, Red Cross Road, New Delhi - 110001 (Emails: romps.nmpb@gov.in; info-nmpb@nic.in; kavita.tyagi@nic.in) for information.

(1853)
[Stamp] / DESPATCHED
P. Mandal
01-02-24

TECHNICAL SECTION
DISPATCHED
No. T-2395-2396
Date: 01.01.2024



भारत सरकार

GOVERNMENT OF INDIA

पर्यावरण, वन एवं जलवायु परिवर्तन मंत्रालय

MINISTRY OF ENVIRONMENT, FOREST & CLIMATE
CHANGE

भारतीय वनस्पति सर्वेक्षण / BOTANICAL SURVEY OF INDIA

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साल्टलेक, कोलकाता-६४ / SALT LAKE, KOLKATA - 700064

Tel.: (033) 2321 4050 [Tech. Section] ; E-mail: tech@bsi.gov.in

फाइल संख्या/ File No.: BSI-286/1 (Parl.) / 2024 -Tech./2395 दिनांक/Date : 31 Jan -2024

सेवा में / To

The Secretary

Ministry of Environment, Forest and Climate Change

Indira Paryavaran Bhawan, Jor Bagh Road

New Delhi - 110003

(Kind attention: Dr. Priti Singh, Scientist D, MoEF&CC, New Delhi)

Subject: Lok Sabha Admitted Unstarred Question No. 224 for answer on 02.02.2024 regarding "Production and Export of Medicinal Plants" asked by SHRI SUNIL DATTATRAY TATKARE- reg.

महोदया/ Madam,

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- b) *The details of the financial assistance provided to promote the farming of medicinal plants and herbs during the said period, State/UT-wise;*

Answer: Not applicable to BSI.

- c) *The quantity of medicinal plants exported from the country including Maharashtra during the said period;*

Answer: This question does not pertain to BSI.

- d) *The steps taken to promote the production of Ayurvedic and herbal medicines in the country including Maharashtra;*

Answer: This question does not pertain to BSI.

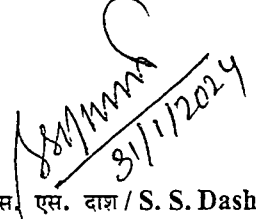
- e) *Whether the Government encourages/proposes to encourage the farmers for cultivation of*

medicinal plants under any scheme; and
Answer: Not applicable to BSI.

f) *If so, the details thereof along with the steps taken/proposed to be taken by the Government to promote the emerging nutraceutical industry?*
Answer: Not applicable to BSI.

This issues with the approval of Director , Botanical Survey of India.
सधन्यवाद/ Thanking you,

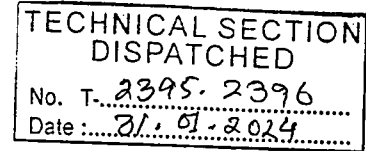
भवदीय/Yours sincerely


(एस. एस. दाश / S. S. Dash)
वैज्ञानिक एफ / Scientist 'F'

(प्रभारी, तकनीकी अनुभाग / In-charge, Tech. Section)

Copy to:

Dr. R. Murugeswaran, Deputy Adviser (MPs), National Medicinal Plant Board, 1st Floor, IRCS, Annexe Building, Near Indian Red Cross Society, Red Cross Road, New Delhi - 110001 (Emails: romps.nmpb@gov.in; info-nmpb@nic.in; kavita.tvagi@nic.in) for information.



Email

Technical Section BSI

Fwd: Lok Sabha Admitted Unstarred Question No. 224 for answer on 02.02.2024 regarding "Production and Export of Medicinal Plants" asked by SHRI SUNIL DATTATRAY TATKARE – reg.

From : Dr. Priti Singh <priti.singh@gov.in>
Subject : Fwd: Lok Sabha Admitted Unstarred Question No. 224 for answer on 02.02.2024 regarding "Production and Export of Medicinal Plants" asked by SHRI SUNIL DATTATRAY TATKARE – reg.

Mon, Jan 29, 2024 01:42 PM

1 attachment
 Mr. Sudhar for Mr. P.
 29/1/24

To : Technical Section BSI <tech@bsi.gov.in>, Dr Sudhansu Sekhar Dash <ssdash@bsi.gov.in>, Ashiho Asosii <aamao@bsi.gov.in>

Cc : Ved Prakash Mishra <mishra.vp@gov.in>, kavita tyagi <kavita.tyagi@nic.in>

Sudhar
 PDS pickup
 29/1/24

Sir,

Kindly refer trailing mail from Ministry of Ayush regarding Parliament Question
 It is requested to kindly provide inputs directly to Ministry of Ayush under intimation to this Ministry.

From: "Parliament Section" <parlsec-mef@nic.in>
To: "Ved Prakash Mishra" <mishra.vp@gov.in>, "Dr. Priti Singh" <priti.singh@gov.in>
Cc: "Mr Satyajit Mishra" <satyajit.mishra@nic.in>, "rakesh sharma67" <rakesh.sharma67@nic.in>, "Sanjay Kumar" <sanjaykumar.moca@nic.in>, "Abhimanyu Kumar Sharma" <ak.sharma79@nic.in>
Sent: Monday, January 29, 2024 12:02:11 PM
Subject: Fwd: Lok Sabha Admitted Unstarred Question No. 224 for answer on 02.02.2024 regarding "Production and Export of Medicinal Plants" asked by SHRI SUNIL DATTATRAY TATKARE – reg.

TECHNICAL SECTION, OFFICE DIRECTOR, BSI,	
Dy. No.	9-438
Date	29.01.2024

From: "kavita tyagi" <kavita.tyagi@nic.in>
To: "Shubha Thakur" <sthakur@nic.in>, "pqdac.krishi" <pqdac.krishi@nic.in>, "SOMANATH AGASIMANI" <drsomanath.agasimani@gov.in>, "Raj Pal" <rpsingh.15863@gov.in>, "A A SREEKANTH, Under Secretary (RC)" <aa.sreekanth@nic.in>, "Muslim.T.R" <muslim.tr@nic.in>, "GC/Parliament" <pqrd@nic.in>, "Dr Naval Kapoor" <kapoor.naval@gov.in>, "Dr. (Mr.) P. Ashok Babu" <Jsrch-mohfw@gov.in>, "Anju Bhalla" <anju_bhalla@nic.in>, "Science and Technology Dept" <dstsec.or@nic.in>, "Chaitanya Murti" <jsadmin.dbt@nic.in>, "Director General CSIR" <dg@csir.res.in>, "Director General CSIR" <dgcsir@csir.res.in>, "Dr(Mr) Himanshu Pathak" <dg.icar@nic.in>, midhaap@gmail.com, "Manoj Kumar" <manojias2008@nic.in>, "harit shakya" <harit.shakya@nic.in>, midhaab@gmail.com, "KEDARNATH VERMA" <kn.verma@nic.in>, "Mrityunjaya Kumar Mishra" <mrityunjaya.m@nic.in>, "MD, NHB" <md@nhb.gov.in>, "Dr Kousthubha Upadhyaya" <adviser-ayush@gov.in>, "Anjan Biswas" <anjan.biswas@nic.in>, nisection@gmail.com, "VIJAYALAKSHMI BHARADWAJ" <vijayalakshmi.bharadwaj40@gov.in>, headq@apeda.gov.in, tarunbajaj@apeda.gov.in,

"SUBASH CHANDRA MALIK" <dg.dgcis@nic.in>, "DGFT" <dgft@nic.in>, "Jagdish Chander" <j.chander@nic.in>, "NEERAJ KUMARI" <kumari.neeraj@gov.in>, "Rabinarayan Acharya" <dg-ccras@nic.in>, unanimedicine@gmail.com, dgccrs@hotmail.com, ccrschennai@gmail.com, ccrh@del3.vsnl.net.in, "ASHA CHAUHAN" <asha.chauhan@gov.in>, "director dmapr" <director.dmapr@icar.gov.in>, "manish das" <manish.das@icar.gov.in>, "Suresh Kumar" <suresh.kumar75@nic.in>, "Shiela Tirkey" <tirkey.shiela@gov.in>, "IC-Section-AYUSH" <ic-ayush@nic.in>, "Vikas Chandra Choudhary" <vc.choudhary@nic.in>, sepc@vsnl.net, shefexil@gmail.com, info@pharmexcil.com, "dd smk" <dd.smk@pharmexcil.com>, "Parliament Section" <parlsec-mef@nic.in>, "Pankaj Kumar" <pankaj.kr93@gov.in>

Sent: Monday, January 29, 2024 11:53:53 AM

Subject: Lok Sabha Admitted Unstarred Question No. 224 for answer on 02.02.2024 regarding "Production and Export of Medicinal Plants" asked by SHRI SUNIL DATTATRAY TATKARE – reg.

Sir / Madam,

Kindly find the attachment regarding the Lok Sabha Admitted Unstarred Question No. 224 for answer on 02.02.2024 regarding "Production and Export of Medicinal Plants" asked by SHRI SUNIL DATTATRAY TATKARE and furnish the information latest by **30.01.2024 (02.00 P.M.)**

With regards,

Dr. Kavita Tyagi,
Sr. Consultant,
National Medicinal Plants Board,
Ministry of Ayush



— **LSQ No. 224 for 02.02.2024.pdf**
1 MB

F. No. H-11016/32/2023-24-NMPB-II
Government of India
Ministry of Ayush
National Medicinal Plants Board (NMPB)

1st & 2nd Floor, Annexe Building,
Near Indian Red Cross Society,
Red Cross Road, New Delhi – 110001
E-mail: kavita.tvagi@nic.in
Dated: 29th January, 2024

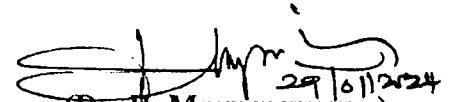
OFFICE MEMORANDUM

Subject: Lok Sabha Admitted Unstarred Question No. 224 for answer on 02.02.2024 regarding “Production and Export of Medicinal Plants” asked by SHRI SUNIL DATTATRAY TATKARE – reg.

The undersigned is directed to refer to the above said Lok Sabha Admitted Unstarred Question No. 224 for answer on 02.02.2024 reproduced hereunder:

- (a) the quantity of medicinal plants and herbs produced in the country particularly in Maharashtra during the last three years and the current year, State/UT-wise;
- (b) the details of the financial assistance provided to promote the farming of medicinal plants and herbs during the said period, State/UT-wise;
- (c) the quantity of medicinal plants exported from the country including Maharashtra during the said period;
- (d) the steps taken to promote the production of Ayurvedic and herbal medicines in the country including Maharashtra;
- (e) whether the Government encourages/proposes to encourage the farmers for cultivation of medicinal plants under any scheme; and
- (f) if so, the details thereof along with the steps taken/proposed to be taken by the Government to promote the emerging nutraceutical industry?

2. It is requested that part-wise reply/ information to the said question may kindly be furnished to the undersigned, in hard as well as soft copy (kavita.tvagi@nic.in) latest by 30.01.2024 (2.00 P.M.).

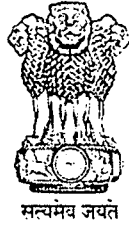

(Dr. R. Murugeswaran)
Deputy Adviser (MPs)

To

1. Smt. Shuba Thakur, Joint Secretary (Parliament), Ministry of Agriculture & Farmers Welfare, Krishi Bhavan, Dr. Rajendra Prasad Road, New Delhi, 110001 (Tel: 011-23383744/ 23386031 / 23386268, Email: sthakur@nic.in; pqdac.krishi@nic.in, drsomanath.agasimani@gov.in, rpsingh.15863@gov.in)
2. Joint Secretary, Ministry of Rural Development, Government of India, Krishi Bhavan, Dr. Rajendra Prasad Road, New Delhi – 110001 (Shri A. A. Sreekanth, US (GC/Parliament), Tele: 011-23070978, Email: aa.sreekanth@nic.in, Shri Muslim T. R., SO (GC/Parliament), Tel: 23782502, Email: muslim.tr@nic.in, pqrd@nic.in)
3. Joint Secretary, Ministry of Tribal Affairs, 741, A-Wing, Shastri Bhawan, New Delhi – 110001 (Mail: kapoor.naval@gov.in)

4. Joint Secretary, Ministry of Health and Family Welfare, 151A, Nirman Bhawan, New Delhi - 110011 (Mail: Jsrch-mohfw@gov.in, Tel: 011-23061447, 23062157)
5. Joint Secretary, Department of Science & Technology, Technology Bhawan, New Mehrauli Road, New Delhi-16 (Email: anju_bhalla@nic.in, dstsec.or@nic.in, Tel: 2651 1439, 2656-7373, Fax: 2686-3847)
6. Joint Secretary, Department of Biotechnology, Block No. - 2, CGO Complex, Lodhi Road, New Delhi-03, (Telefax: 011-24363057, Email: jsadmin.dbt@nic.in)
7. Director General, Council of Scientific & Industrial Research, Anusandhan Bhawan, 2 Rafi Ahmed, Kidwai Marg, New Delhi - 110001 (Mail: dg@csir.res.in, dgcisr@csir.res.in)
8. Director General, Indian Council of Agricultural Research, Krishi Bhawan, New Delhi - 110001 (Mail: dg.icar@nic.in)
9. Director, Mission for Integrated Development of Horticulture, Ministry of Agriculture and Farmers Welfare, 248A, Krishi Bhawan, Dr. Rajendra Prasad Road, New Delhi, 110001 (Tel: 011-23384618, 23382383, Email: midhaap@gmail.com, manojias2008@nic.in, harit.shakya@nic.in, midhaab@gmail.com, kn.verma@nic.in, mrityunjaya.m@nic.in, Tel: 011-23388795 / 23388474 / 23074238)
10. Managing Director, National Horticulture Board, Ministry of Agriculture and Farmers Welfare, Government of India, 85, Institutional Area, Sector-18, Gurugram, 122015 (Haryana) (Tel: 0124-2342992, Email: md@nhb.gov.in)
11. Dr. Kousthubha Upadhyaya, Adviser (Ay.), DCC Section, Drug Policy L&P Division, Ministry of AYUSH (Email: adviser-ayush@gov.in, Tel: 011-20815348); Dr. Raman Kaushik, DPS Section Mob: 09315629761)
12. Sh. Anjan Biswas, Deputy Secretary, Ayurveda Division, Ministry of Ayush, Ayush Bhawan, B Block, GPO Complex, INA, New Delhi - 110023, E-mail: anjan.biswas@nic.in, nisection@gmail.com
13. Smt. Vijayalakshmi Bharadwaj, Deputy Secretary, Administration and Homoeopathy Division (IEC Section), M/o AYUSH, Mail: vijayalakshmi.bharadwaj40@gov.in, Ph: 011-24651658
14. Dr. Tarun Bajaj, Director, Agricultural & Processed Food Products Export Development Authority (APEDA), 3rd Floor, NCUI Building 3, Siri Institutional Area, August Kranti Marg, opp. Asiad Village, New Delhi, Delhi 110016 Phone: (Mob.) :- 09811299852 / 91-11-41486013, 26513204, 26513219, 26514572, 26526196 98, 26534186, 26534870, 26850301, E-mail: headq@apeda.gov.in, tarunbajaj@apeda.gov.in
15. Director General, Directorate General of Commerce Intelligence and Statistics, Ministry of Commerce & Industry, Kolkata-700107 (Email: dg.dgcis@nic.in)
16. Director General, Directorate General of Foreign Trade, Udyog Bhawan, H-wing, Gate No-02, Maulana Azad Road, New Delhi-110011, (Tel.: 011-23062777 / 23061562 / 23062675 (Ext. 206), Fax No. 011-23061613, Email: dgft@nic.in) [Sh. P. C. Mishra, Statistical officer (011-23062488, 23063521), Sh. K.K. Khatimtay: 23061562; Ext. 402, Sh. Nitish Suri: 23061562; Ext. 283, Sh. J. Chander (011-23061562) Mail: j.chander@nic.in, kumari.necraj@gov.in]
17. Director General, CCRAS, Janak Puri, New Delhi (Tel: 011-28524457 Fax: 28520748, Email: dgccras@nic.in)
18. Director General, CCRUM, Janak Puri, New Delhi (Tel: 28521981, 2965, Fax: 28522965, Email: unanimedicine@gmail.com)
19. Director General, CCRS, Chennai, Tamil Nadu (Tel: 044-26211621 / 26212421, Email: dgccrs@hotmail.com, ccrschennai@gmail.com)

20. Director General, CCRII, Janak Puri, New Delhi (Tel: 28521162, 5523, 5749, Fax: 28521060, Email: ccrih@del3.vsnl.net.in)
21. Director, Ayurveda Division, Ministry of Ayush, Ayush Bhawan N, B Block, GPO Complex, INA, New Delhi – 110023 (email- asha.chauhan@gov.in)
22. ICAR-Directorate of Medicinal & Aromatic Plants Research Institute of ICAR-DMAPR, Anand, Gujarat-387310 (Ph: 2692 271602, Email: director.dmapr@icar.gov.in, manish.das@icar.gov.in)
23. Dr. Suresh Kumar, Deputy Adviser (Ay.), National Ayush Mission, Ministry of Ayush, Ayush Bhawan N, B Block, GPO Complex, INA, New Delhi – 110023 (email-suresh.kumar75@nic.in)
24. Smt Shiela Tirkey, Under Secretary, IC-Section, Ministry of Ayush, Ayush Bhawan N, B Block, GPO Complex, INA, New Delhi – 110023 (email- tirkey.shiela@gov.in, ic-ayush@nic.in)
25. Shri V.C. Choudhary, Under Secretary (Parliament matter/ CR/Protocol, Closure of Organizations), Ministry of Women & Child Development (Mail: vc.choudhary@nic.in, Tel: 011-23070038)
26. Executive Director, Shellac Export Promotion Council, (Shefexil), “Vanijaya Bhawan” International Trade Facilitation Centre, 1/1, Wood Street, 2nd Floor, Kolkata – 700 016 (Fax: 033-22834699), Email: sepc@vsnl.net, shefexil@gmail.com, Phone: 033-22834117 / 22834699)
27. Executive Director, Pharmaceuticals Export Promotion Council of India (Pharmexcil), 101, Adityan Trade Centre, Ameer pet, Hyderabad – 500 038 (Ph – 040- 23735462 / 66, Fax: 040 – 23735464), Email: info@pharmexcil.com, dd.smk@pharmexcil.com)
28. Mr. Rajeev Mathur, Section Officer, Parliament section, Ministry of Environment, Forests and Climate Change, Indira Paryavaran Bhawan, Jor Bagh Road, New Delhi 03 (Email: parlsec-mef@nic.in Tel: 011-24695332)
29. Assistant Section Officer, Ministry of Panchayati Raj, 9th Floor, Jeevan Bharati Building, Connaught Place, New Delhi-110001 (Email: pankaj.kr93@gov.in, Tel: 011- 23725309)
30. All desks of NMPB / SMPBs / SHMs / RCFCs /Others



स्पीड पोस्ट / SPEED POST



भारत सरकार
GOVERNMENT OF INDIA
पर्यावरण, वन एवं जलवायु परिवर्तन मंत्रालय
MINISTRY OF ENVIRONMENT, FOREST & CLIMATE
CHANGE

भारतीय वनस्पति सर्वेक्षण / BOTANICAL SURVEY OF INDIA
सी.जी.ओ. कॉम्प्लेक्स / CGO COMPLEX
तृतीय एम. एस. ओ. भवन / 3RD MSO BUILDING
पाँचवाँ और छठा तल / 5TH & 6TH FLOOR
डी एफ ब्लॉक, सेक्टर 1 / DF BLOCK, SECTOR 1
साल्टलेक, कोलकाता-६४ / SALT LAKE, KOLKATA – 700064
Tel.: (033) 2321 4050 [Tech. Section] ; E-mail: tech@bsi.gov.in

फ़ाइल संख्या/ File No.: BSI-286/1 (Parl.) / 2024 -Tech. / दिनांक/Date : 31 Jan -2024

सेवा में / To

The Secretary
Ministry of Environment, Forest and Climate Change
Indira Paryavaran Bhawan, Jor Bagh Road
New Delhi - 110003

(Kind attention: Dr. Priti Singh, Scientist D, MoEF&CC, New Delhi)

Subject: Rajya Sabha Admitted Starred / Unstarred Question No. S182, for answer on 06.02.2024 regarding AYUSH- reg.

महोदया/ Madam,

With reference to your email, dated 29th January, 2024 regarding AYUSH, I am directed to furnish herewith the following information for your kind perusal and necessary action as follows:

a) *Whether the Government has established any research centres to promote research and development on medicinal plants, State/UT-wise;*

Answer: BSI is mandated for survey of wild plant resources of the country through survey, exploration, documentation, and *ex-situ* conservation of the wild plant resources of the country. Besides, under *Ex-situ* conservation, BSI scientists collect and conserve the RET plants including Medicinal plants in its botanical gardens spread across different biogeographical regions of India. There are various research organizations such as NMPB, CIMAP, Ministry of AYUSH etc. are exclusively working on the medicinal plants conservation and cultivation through various schemes. Therefore the above question does not come under the purview of BSI.

b) *If so, the details thereof?*

Answer: This question does not pertain to BSI.

c) *Whether the Government proposes to establish any research centre in Punjab;*

Answer: This question does not pertain to BSI.

d) *If so, the details thereof along with the details of ongoing projects pertaining to medicinal plants;*

Answer: This question does not pertain to BSI.

e) *If not, the reasons therefor?*

Answer: This question does not pertain to BSI

This issues with the approval of Director ~~BSI~~, Botanical Survey of India.

सधन्यवाद/ Thanking you,

भवदीय/Yours sincerely


31/1/2024
(एस. एस. दाश / S. S. Dash)

वैज्ञानिक एफ / Scientist 'F'

(प्रभारी, तकनीकी अनुभाग / In-charge, Tech. Section)

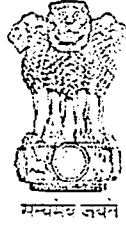
Copy to: Dr. R. Murugeswaran, Deputy Adviser (MPs), National Medicinal Plant Board,
1st Floor, IRCS, Annexe Building, Near Indian Red Cross Society, Red Cross Road, New
Delhi - 110001 (Emails: romps.nmpb@gov.in; info-nmpb@nic.in; kavita.tyagi@nic.in) for
information.

(1852)

~~1852~~ / DESPATCHED

B. Mandal
01-02-24

TECHNICAL SECTION DISPATCHED	
No. T...	2377 2398
Date :	31. 1. 2024



भारत सरकार
GOVERNMENT OF INDIA
पर्यावरण, वन एवं जलवायु परिवर्तन मंत्रालय
MINISTRY OF ENVIRONMENT, FOREST & CLIMATE
CHANGE

भारतीय वनस्पति सर्वेक्षण / BOTANICAL SURVEY OF INDIA
सी.जी.ओ. कॉम्प्लेक्स / CGO COMPLEX
तृतीय एम. एस. ओ. भवन / 3RD MSO BUILDING
पाँचवाँ और छठा तल / 5TH & 6TH FLOOR
डी एफ ब्लॉक, सेक्टर 1 / DF BLOCK, SECTOR 1
साल्टलेक, कोलकाता-६४ / SALT LAKE, KOLKATA - 700064
Tel.: (033) 2321 4050 [Tech. Section] ; E-mail: tech@bsi.gov.in

फाइल संख्या/ File No.: BSI-286/1 (Parl.) / 2024 -Tech. / दिनांक/Date : 31 Jan -2024

सेवा में / To

The Secretary
Ministry of Environment, Forest and Climate Change
Indira Paryavaran Bhawan, Jor Bagh Road
New Delhi - 110003

(Kind attention: Dr. Priti Singh, Scientist D, MoEF&CC, New Delhi)

Subject: Rajya Sabha Admitted Starred / Unstarred Question No. S182, for answer on 06.02.2024 regarding AYUSH- reg.

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b) *If so, the details thereof?*

Answer: This question does not pertain to BSI.

c) *Whether the Government proposes to establish any research centre in Punjab;*

Answer: This question does not pertain to BSI.

d) *If so, the details thereof along with the details of ongoing projects pertaining to medicinal plants;*

Answer: This question does not pertain to BSI.

e) *If not, the reasons therefor?*

Answer: This question does not pertain to BSI

This issues with the approval of Director ~~BSI~~, Botanical Survey of India.

सधन्यवाद/ Thanking you,

भवदीय/Yours sincerely


31/1/2024
(एस. एस. दाश / S. S. Dash)

वैज्ञानिक एफ / Scientist 'F'

(प्रभारी, तकनीकी अनुभाग / In-charge, Tech. Section)

Copy to: Dr. R. Murugeswaran, Deputy Adviser (MPs), National Medicinal Plant Board,
1st Floor, IRCS, Annexe Building, Near Indian Red Cross Society, Red Cross Road, New
Delhi - 110001 (Emails: romps.nmpb@gov.in; info-nmpb@nic.in; kavita.tyagi@nic.in) for
information.

TECHNICAL SECTION DISPATCHED	
No. T-2398	2398
Date : 31. 01. 2024	

Email

Technical Section BSI

Fwd: Rajya sabha admitted Starred/Unstarred DY No. S182 regarding "AYUSH" for 06/02/2024 -reg.

From : Dr. Priti Singh <priti.singh@gov.in>

Thu, Jan 25, 2024 10:34 AM

Subject : Fwd: Rajya sabha admitted Starred/Unstarred DY No. S182 regarding "AYUSH" for 06/02/2024 -reg.

2 attachments

To : Technical Section BSI <tech@bsi.gov.in>, Dr Sudhansu Sekhar Dash <ssdash@bsi.gov.in>, Ashiho Asosii <aamao@bsi.gov.in>

Cc : Ved Prakash Mishra <mishra.vp@gov.in>, Dr.Bidhan Mahajon <dr.bidhan@gov.in>

Sir,

Kindly refer to trailing mail from Ministry of Ayush regarding Parliament Question. It is requested to kindly provide inputs directly to Ministry of Ayush directly under intimation to this Ministry.

End with
(mmh)
25/1/2024
Sneha P.K. Pathak
Sudhansu
25/1/24

From: "Naresh Pal Gangwar" <asnpg.mefcc@gov.in>

To: "Ved Prakash Mishra" <mishra.vp@gov.in>, "Dr. Priti Singh" <priti.singh@gov.in>

Sent: Thursday, January 25, 2024 9:17:15 AM

Subject: Fwd: Rajya sabha admitted Starred/Unstarred DY No. S182 regarding "AYUSH" for 06/02/2024 -reg.

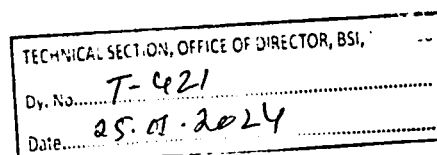
From: "Ms Leena Nandan" <secy-moef@nic.in>

To: "Naresh Pal Gangwar" <asnpg.mefcc@gov.in>

Sent: Wednesday, January 24, 2024 5:57:15 PM

Subject: Fwd: Rajya sabha admitted Starred/Unstarred DY No. S182 regarding "AYUSH" for 06/02/2024 -reg.

Office of Secretary
Ministry of Environment, Forest and Climate Change
4th Floor, Prithvi Wing
Indira Paryavaran Bhawan
Jor Bagh Road, New Delhi - 110003
Tel.No.: +91-11-20819308
+91-11-20819408
Fax No.: +91-11-20819238



From: "Dr.Bidhan Mahajon" <dr.bidhan@gov.in>

To: "Dr(Mr) Himanshu Pathak" <dg.icar@nic.in>, "Ashwani Kumar" <jsadmn-agri@gov.in>, "Chandra Prakash Goyal" <cpgoyal@nic.in>, "Director General CSIR"

<dg@csir.res.in>, "Director General CSIR" <dgcsir@csir.res.in>, "Secretary DSIR" <secy-dsir@gov.in>, "DG ICMR" <secy-dg@icmr.gov.in>, "Rabinarayan Acharya" <dg-ccras@nic.in>, ccrhindia@gmail.com, unanimedicine@gmail.com, ccrschennai@gmail.com, "icmrhqds" <icmrhqds@sansad.nic.in>, "Ms Leena Nandan" <secy-moef@nic.in>, "Itakpa jigmet" <Itakpa.jigmet@gov.in>, "DBT Bioresource PD" <bioresource-dbt@dbt.nic.in>, "Parliament Cell" <parl@csir.res.in>, ccrh@del3.vsnl.net.in, ccrhpq@gmail.com, "manish das" <manish.das@icar.gov.in>, "Dr Raman Mohan Singh" <dir.pcimh-ayush@gov.in>, "Manoj Bapna" <manojb12365-cgo@gov.in>, "Renu sharma" <renu.sharma16@gov.in>, "parliamentreply ccras" <parliamentreply.ccras@gmail.com>, madhudikshit@thsti.res.in, "A Dhanalakshmi" <a.dhanalakshmi@nic.in>, drgurmet@rediffmail.com, neifmpasighat@gmail.com

Cc: "Prof. Dr. Mahesh Kumar Dadhich" <ceo-nmpb@nic.in>, "Dy. CEO NMPB Mo AYUSH" <dyceo-nmpb@nic.in>, "Murugeswaran R" <dr.murugesw.nmpb@gov.in>, "Patrick Xalxo" <patrick.x@nic.in>

Sent: Wednesday, January 24, 2024 5:58:26 PM

Subject: Rajya sabha admitted Starred/Unstarred DY No. S182 regarding "AYUSH" for 06/02/2024 -reg.

Sir/Madam,

Please find enclosed **Rajya sabha admitted Starred/Unstarred DY No. S182 regarding "AYUSH" for 06/02/2024**. It is requested that the part-wise information of the above said question may kindly be furnished to the undersigned in hard as well as soft copy in MSWORD format (Email: dr.bidhan@gov.in / info-nmpb@nic.in) latest by **25/01/2024 (AN)** positively. This may be treated as most urgent.

--

With Sincere Regards

Dr. Bidhan Mahajon, MD (Ay), Ph.D.

Research Officer (Ayurveda)

National Medicinal Plants Board (NMPB)

Ministry of Ayush

Government of India

Indian Red Cross Society (IRCS)

Annexe Building, 1st & 2nd floor, 1 Red Cross Road, New Delhi-110001

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Azadi Ka
Amrit Mahotsav

G20
भारत 2023 INDIA

बहुतेक दुनियाएक
ONE EARTH - ONE FAMILY - ONE FUTURE

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Azadi Ka
Amrit Mahotsav

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H-11017/17/2023-24-NMPB-IV
Ministry of AYUSH
National Medicinal Plant Board

1st Floor, IRCS, Annexe Building,
Near Indian Red Cross Society,
Red Cross Road, New Delhi-110001
Date: - 24/01/2024

OFFICE MEMORANDUM

Subject: Rajya Sabha Starred/Unstarred Diary No. S182 for 06/02/2024 regarding AYUSH.

The undersigned is directed to refer to the above said Rajya Sabha Question as reproduced hereunder:

Will the Minister of Ayush be pleased to state:

- (a) whether the Government has established any research centres to promote research and development on medicinal plants, State/UT-wise;
- (b) if so, the details thereof?
- (c) whether the Government proposes to establish any research centre in Punjab;
- (d) if so, the details thereof along with the details of ongoing projects pertaining to medicinal plants; and
- (e) if not, the reasons therefor?

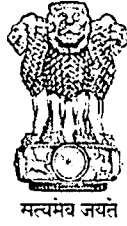
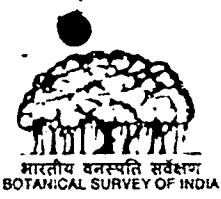
2. It is requested that the part-wise information of the above said question may kindly be furnished to the undersigned in hard as well as soft copy in MSWORD (Email: dr.bidhan@gov.in / info-nmpb@nic.in) latest by tomorrow 25/01/2024 (AN) positively. This may be treated as **MOST URGENT**.


(Dr. R Murugeswaran)
Deputy Adviser (MPs)

To,

- 1) Secretary (DARE) & Directory General (ICAR), Krishi Bhawan, New Delhi – 110001.
(Tel:01123382629), 23386711: Email: dg.icar@nic.in
- 2) Secretary (EF&CC), Ministry of Environment, Forest and Climate Change, Indira Paryavaran Bhawan, Jorbagh Road New Delhi – 110003, Email: secy-moef@nic.in, Itakpa.jigmet@gov.in
- 3) Joint Secretary, Department of Science & Technology, Technology Bhawan, New Mehrauli Road, New Delhi – 110016 (Tel: 011-26516077), Email: anju_bhalla@nic.in
- 4) Joint Secretary (Parliament), Ministry of Agriculture & Farmers Welfare, Krishi Bhawan, Dr.Rajendra Prasad Road, New Delhi – 110001 (Tel: 011-23385595, Email: sthakur@nic.in)

- 5) Joint Secretary, Department of Bio-technology, CGO Complex, Lodhi Road, New Delhi-110003 (Tel: 011-24362982, Email: cpgoyal@nic.in)
- 6) Director General, CSIR, Anusandhan Bhawan, 2 Rafi Ahmed Kidwai Marg, New Delhi – 110001 (Tel: 011-23710472, 23717053, Email: dg@csir.res.in, dgcsir@csir.res.in, secy-dsir@gov.in, parl@csir.res.in)
- 7) Director General, Indian Council of Medical Research (ICMR), V. Ramalingaswami Bhawan, P.O. Box No. 4911, Ansari Nagar, New Delhi – 110029, India (Tel: 011-26588204, Email: secy-dg@icmr.gov.in) icmrhqds@sansad.nic.in
- 8) Director General, Central Council for Research and Ayurvedic Sciences (CCRAS), 61-65, Institutional Area, Opp. D. Block, Janakpuri, New Delhi – 110058.
- 9) Director General, Central Council for Research in Unani Medicine, 61-65, Institutional Area, Opp. D. Block, Janakpuri, New Delhi – 110058.
- 10) Director General, Central Council for Research in Homeopathy, 61-65, Institutional Area, Opp. D. Block, Janakpuri, New Delhi – 110058.
- 11) Central Council for Research in Siddha, Tambaram Sanatorium, GST Road, Chennai – 600 047, India, Email: ccrschennai@gmail.com
- 12) Director, Pharmacopoeia Commission for Indian Medicine & Homoeopathy (PCIM&H), Kamla Nehru Nagar, Ghaziabad (UP), NCR Delhi INDIA – 201002, dir.pcimh-ayush@gov.in
- 13) National Research Institute of Sowa-region, Leh, Ladakh - drgurmet@rediffmail.com
- 14) The North Eastern Institute of Ayurveda & Folk Medicine Research (NEIAFMR), Pasighat-neifmpasighat@gmail.com



भारत सरकार

GOVERNMENT OF INDIA

पर्यावरण, वन एवं जलवायु परिवर्तन मंत्रालय

MINISTRY OF ENVIRONMENT, FOREST & CLIMATE
CHANGE

भारतीय वनस्पति सर्वेक्षण / BOTANICAL SURVEY OF INDIA

सी.जी.ओ. कॉम्प्लेक्स / CGO COMPLEX

तृतीय एम. एस. ओ. भवन / 3RD MSO BUILDINGपाँचवाँ और छठा तल / 5TH & 6TH FLOOR

डी एफ ब्लॉक, सेक्टर १ / DF BLOCK, SECTOR I

साल्टलेक, कोलकाता-६४ / SALT LAKE, KOLKATA - 700064

Tel.: (033) 2321 4050 [Tech. Section] ; E-mail: tech@bsi.gov.in

फाइल संख्या/ File No.: BSI-286/1 (Parl.) / 2024 -Tech.

दिनांक/Date : दिनांक/Date : 30 Jan -2024

सेवा में / To

The Secretary

Ministry of Environment, Forest and Climate Change

Indira Paryavaran Bhawan, Jor Bagh Road

New Delhi - 110003

*(Kind attention: Dr. Priti Singh, Scientist D, MoEF&CC, New Delhi)***Subject:** Rajya Sabha Provisionally Admitted Question Starred/ Unstarred Diary No. U715 for 06.02.2024 regarding "protect critical Ayurveda herbal plants"- reg.

महोदया / Madam,

With reference to your email, dated 25th January, 2024 regarding Rajya Sabha Starred/Unstarred question diary no U715 for 06.02.2024 on "Protect critical Ayurveda herbal plants" received in this office from Dr. R. Murugeswaran, Deputy Adviser, (MPs) MoEF&CC, New Delhi, I am directed to furnish herewith the following information for your kind perusal and necessary action as follows:

a) *What actions are being taken by the government to protect critical Ayurveda herbal plants, which are essential for traditional medicine?*

Answer: As per the mandates, BSI undertakes field survey, exploration, documentation, and ex-situ conservation of the wild plant resources of the country. Therefore, this question does not come under the purview of BSI.

b) *How many Ayurveda herbal species have been identified as critical, and what specific conservation efforts are in place for these plants?*

Answer: As per data available in different sources, there are more than 6500 species of medicinal plants used in different traditional systems of Indian Medicine. About 13 species of Ayurveda / Medicinal plants are categorized as Critically Endangered under IUCN category, as given in Annexure I. Through the ex-situ conservation, BSI conserves medicinal plants in its Botanical gardens, located in different phytogeographical regions of the country, which is provided in Annexure II.

c) *Can the government detail any collaborative efforts with local communities or organizations for the sustainable cultivation and preservation of these critical Ayurveda herbs?*

Answer: Govt. of India (MoEF&CC), formulates policies for protection of forests. Legislations, such as the Wildlife (Protection) Act, 1972, to accord protection of forests and their components, including medicinal plants. The Biological Diversity Act, 2002 and Rules (2004), regulates the access to forest components, including medicinal plants. MoEF & CC has shortlisted the extinction prone species state-wise, formulated the guidelines to prohibit or regulate their collection from wild and has

circulated it to different states and union territories for notification in terms of section 38 of Biological Diversity Act 2002. Further, it is also supporting a number of projects on conservation of some specific medicinal plants as well as Medicinal Plants Conservation Areas (MPCAs) that are primarily forested areas.

Cultivation of medicinal or Ayurveda herbs in degraded forest lands is supported through schemes of the National Afforestation & Eco-development Board (NAEB), MoEF & CC. Many threatened species are conserved in Botanical Gardens associated with BSI and gardens associated with different universities/colleges under 'Assistance to Botanic Gardens' Scheme of MoEF & CC. The threatened species of plants are being conserved by adopting both strategies viz. *in situ conservation* (i.e. in their own habitat) and *ex situ conservation* following conventional as well as modern techniques (tissue culture). However, BSI has no information on the cultivation and preservation of critical Ayurveda herbs in the country.

d) Are there any national policies or programs dedicated to the research and development of cultivation techniques to ensure the survival of endangered Ayurveda herbal plants?

Answer: This question does not pertain to BSI.

This issues with the approval of Director (1/c), Botanical Survey of India.

सधन्यवाद/ Thanking you,

भवदीय/Yours sincerely

(उमेशकुमार ल. तिवारी / Umeshkumar L. Tiwari)

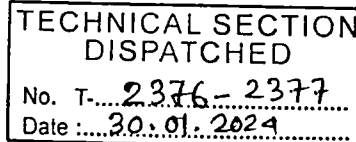
वैज्ञानिक डी / Scientist 'D'

For, (प्रभारी, तकनीकी अनुभाग / In-charge, Tech. Section)

Copy to:

Dr. R. Murugeswaran, Deputy Adviser (MPs), National Medicinal Plant Board, 1st Floor, IRCS, Annexe Building, Near Indian Red Cross Society, Red Cross Road, New Delhi - 110001 (Emails: romps.nmpb@gov.in; info-nmpb@nic.in; kavita.tyagi@nic.in) for information.

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BOTANICAL SURVEY OF INDIA

The list of critically endangered medicinal plants in India

Sl. N.	Name of the Ayurvedic plant	IUCN threat category	State (threat category and year of CAMP exercise)] CAMP exercise threat category
1.	<i>Aconitum chasmanthum</i> Stapf ex Holmes	CR	Jammu and Kashmir (CR 2003)
2.	<i>Aquilaria malaccensis</i> Lam. = <i>A. agalocha</i> Roxb.ex DC	CR	Arunachal Pradesh (CR 2003), Assam (EN 2003), Meghalaya (EN 2003), Tripura (DD 2016)
3.	<i>Chlorophytum borivilianum</i> Santapau & R.R.Fern.	CR	Madhya Pradesh (EN 2006), Maharashtra (EN 2001), Rajasthan (CR 2007)
4.	<i>Commiphora wightii</i> (Arn.) Bhandari	CR	Madhya Pradesh (CR 2003), Rajasthan (CR 2007)
5.	<i>Gentiana kurroo</i> Royle	CR	Himachal Pradesh (CR 2003, CR 2010), Jammu and Kashmir (CR 2003), Uttarakhand (CR 2003)
6.	<i>Gymnocladus assamicus</i> Kanjilal	CR	Arunachal Pradesh (CR 2003)
7.	<i>Lilium polyphyllum</i> Don	CR	Himachal Pradesh (CR 2003, CR 2010), Jammu and Kashmir (CR 2003), Uttarakhand (CR 2003)
8.	<i>Nardostachys jatamansi</i> DC.	CR	Sikkim (VU 2014)
9.	<i>Paphiopedilum druryi</i> (Bedd.) Stein	CR	Karnataka (CR 1999), Kerala (CR 1999), Tamil Nadu (VU 1998)
10.	<i>Saussurea costus</i> (Falc.) Lipsch.	CR	Jammu and Kashmir (CR 2003)
11.	<i>Tribulus rajasthanensis</i> Bhandari & Sharma	CR	Rajasthan (CR 2007)
12.	<i>Utleria salicifolia</i> Bedd.	CR	Kerala (CR 1999)
13.	<i>Valeriana leschenaultia</i> DC.	CR	Karnataka (CR1997), Kerala (CR1997), Tamil Nadu (CR1997)

BOTANICAL SURVEY OF INDIA

The list of medicinal plants conserved in the gardens are given below:

Medicinal plants conserved in BSI, ERC, Shillong

- | | |
|-------------------------------------|--|
| 1. <i>Acmella calva</i> | 38. <i>Bixa orellana</i> |
| 2. <i>Acmella paniculata</i> | 39. <i>Blumea balsamifera</i> |
| 3. <i>Acorus calamus</i> | 40. <i>Bombax ceiba</i> |
| 4. <i>Adenanthera pavonina</i> | 41. <i>Bryophyllum pinnatum</i> |
| 5. <i>Adiantum capillus-veneris</i> | 42. <i>Carica papaya</i> |
| 6. <i>Adiantum philippense</i> | 43. <i>Cassia fistula</i> |
| 7. <i>Ageratum conyzoides</i> | 44. <i>Centella asiatica</i> |
| 8. <i>Albizia chinensis</i> | 45. <i>Cephalotaxus manii</i> |
| 9. <i>Allium hookeri</i> | 46. <i>Cheilocostus speciosus</i> |
| 10. <i>Alocasia macrorrhizos</i> | 47. <i>Chenopodium album</i> |
| 11. <i>Aloe vera</i> | 48. <i>Chromolaena odorata</i> |
| 12. <i>Alpinia galanga</i> | 49. <i>Cinnamomum camphora</i> |
| 13. <i>Alpinia nigra</i> | 50. <i>Cinnamomum tamala</i> |
| 14. <i>Alternanthera sessilis</i> | 51. <i>Cinnamomum verum</i> |
| 15. <i>Amaranthus spinosus</i> | 52. <i>Citrus latipes</i> |
| 16. <i>Amaranthus viridis</i> | 53. <i>Clerodendrum colebrookianum</i> |
| 17. <i>Amomum aromaticum</i> | 54. <i>Clerodendrum glandulosum</i> |
| 18. <i>Anisomeles indica</i> | 55. <i>Clerodendrum infortunatum</i> |
| 19. <i>Antidesma acidum</i> | 56. <i>Coix lacryma-jobi</i> |
| 20. <i>Aquilaria malaccensis</i> | 57. <i>Colocasia esculenta</i> |
| 21. <i>Aralia armata</i> | 58. <i>Commelina benghalensis</i> |
| 22. <i>Ardisia paniculata</i> | 59. <i>Costus speciosus</i> |
| 23. <i>Areca catechu</i> | 60. <i>Crassocephalum crepidioides</i> |
| 24. <i>Argemone mexicana</i> | 61. <i>Crinum asiaticum</i> |
| 25. <i>Argyreia nervosa</i> | 62. <i>Crinum latifolium</i> |
| 26. <i>Arisaematortuosum</i> | 63. <i>Curculigo orchioides</i> |
| 27. <i>Artocarpus heterophyllus</i> | 64. <i>Curcuma angustifolia</i> |
| 28. <i>Artocarpus lakoocha</i> | 65. <i>Curcuma caesia</i> |
| 29. <i>Arundo donax</i> | 66. <i>Curcuma longa</i> |
| 30. <i>Asparagus racemosus</i> | 67. <i>Cuscuta reflexa</i> |
| 31. <i>Averrhoa carambola</i> | 68. <i>Cycas pectinata</i> |
| 32. <i>Azadirachta indica</i> | 69. <i>Cymbopogon citratus</i> |
| 33. <i>Baccaurea ramiflora</i> | 70. <i>Cynodon dactylon</i> |
| 34. <i>Bauhinia purpurea</i> | 71. <i>Dendrobium moschatum</i> |
| 35. <i>Bauhinia variegata</i> | 72. <i>Dillenia indica</i> |
| 36. <i>Betula alnoides</i> | 73. <i>Dillenia pentaphylla</i> |
| 37. <i>Bidens pilosa</i> | 74. <i>Drymaria cordata</i> |

75. *Duchesnea indica*
76. *Dysoxylum gobara*
77. *Eclipta prostrata*
78. *Elaeocarpus floribundus*
79. *Elsholtzia blanda*
80. *Emilia sonchifolia*
81. *Engelhardtia spicata*
82. *Eryngium foetidum*
83. *Erythrina arborescens*
84. *Eupatorium adenophorum*
85. *Euphorbia hirta*
86. *Ficus auriculata*
87. *Ficus hispida*
88. *Ficus palmata*
89. *Ficus racemosa*
90. *Ficus semicordata*
91. *Garcinia cowa*
92. *Gloriosa superba*
93. *Goniothalamus sesquipedalis*
94. *Gynocardia odorata*
95. *Gynura cusimbua*
96. *Hedychium coronarium*
97. *Hedychium marginatum*
98. *Hedychium rubrum*
99. *Hedychium spicatum*
100. *Hedyotis scandens*
101. *Hemidescus indicus*
102. *Hibiscus cannabinus*
103. *Hodgsonia heteroclita*
104. *Holarrhena pubescens*
105. *Houttuynia cordata*
106. *Houttuynia cordata*
107. *Hydnocarpus kurzii*
108. *Hypochaeris radicata*
109. *Iris laevigata*
110. *Jasminum multiflorum*
111. *Jasminum sambac*
112. *Justicia adhatoda*
113. *Kaempferia galanga*
114. *Kaempferia parviflora*
115. *Kaempferia rotunda*
116. *Lagerstroemia indica*
117. *Lantana camara*
118. *Leea indica*
119. *Litsca cubeba*
120. *Ludwigia octovalvis*
121. *Mahonia pycnophylla*
122. *Mallotus philippensis*
123. *Manihot esculenta*
124. *Melia azedarach*
125. *Mentha arvensis*
126. *Mesua ferrea*
127. *Mimosa pudica*
128. *Mucuna macrocarpa*
129. *Mucuna pruriens*
130. *Murraya koenigii*
131. *Myrica esculenta*
132. *Neolamarckia cadamba*
133. *Nepenthes khasiana*
134. *Ocimum tenuiflorum*
135. *Oroxylum indicum*
136. *Osbeckia nipalensis*
137. *Osbeckia stellata*
138. *Oxalis corniculata*
139. *Oxalis corniculata*
140. *Parkia timoriana*
141. *Passiflora edulis*
142. *Pavetta indica*
143. *Phlogacanthus curviflorus*
144. *Phlogacanthus thyrsiflorus*
145. *Phyllanthus emblica*
146. *Phyllanthus urinaria*
147. *Pilea melastomoides*
148. *Piper griffithii*
149. *Piper longum*
150. *Piper nigrum*
151. *Plantago asiatica* var. *erosa*
152. *Plantago erosa*
153. *Pouzolzia hirta*
154. *Prunus domestica*
155. *Psidium guajava*
156. *Punica granatum*
157. *Rauvolfia serpentina*
158. *Rhododendron arboreum*
159. *Rhus chinensis*
160. *Rhus semialata*
161. *Ricinus communis*
162. *Rotala rotundifolia*

163. *Rothea serrata*.
164. *Rubia cordifolia*
165. *Rubus ellipticus*
166. *Saraca asoca*
167. *Schima wallichii*
168. *Scutellaria discolor*
169. *Senna alata*
170. *Sida acuta*
171. *Sida cordifolia*
172. *Smilax ovalifolia*
173. *Solanum americanum*
174. *Solanum anguivi*
175. *Solanum myriacanthum*
176. *Solanum torvum*
177. *Sonchus asper*
178. *Spondias pinnata*
179. *Stephania glabra*
180. *Stephania glandulifera*
181. *Stevia rebaudiana*
182. *Syzygium cumini*
183. *Taxus baccata*
184. *Taxus wallichiana*
185. *Terminalia arjuna*
186. *Terminalia chebula*
187. *Terminalia myriocarpa*
188. *Terminalia arjuna*
189. *Tinospora sinensis*
190. *Toona ciliata*
191. *Viburnum foetidum*
192. *Vitex negundo*
193. *Zanthoxylum acanthopodium*
194. *Zanthoxylum armatum*
195. *Zingiber montanum*
196. *Zingiber officinale*
197. *Zingiber zerumbet*

List of the Medicinal plants conserved and multiplied at BSI, AZRC, Jodhpur

1. *Aegle marmelos*
2. *Asparagus racemosus*
3. *Barleria prionitis*
4. *Barleria prionitis* var. *dicantha*
5. *Blepharis indica*
6. *Butea monosperma*
7. *Cassia fistula*
8. *Chlorophytum borivillianum*
9. *Cissus quadrangularis*
10. *Citrullus colocynthis*
11. *Clerodendrum multiflorum*
12. *Chlorophytum tuberosum*
13. *Combretum indicum*
14. *Commiphora wightii*
15. *Costus speciosus*
16. *Curcuma amada*
17. *Datura metel*
18. *Desmodium gangeticum*
19. *Ephedra ciliata*
20. *Grewia tenax*
21. *Justicia adhatoda*
22. *Madhuca longifolia*
23. *Mimosa pudica*
24. *Moringa concanensis*
25. *Moringa oleifera*
26. *Murraya koenigii*
27. *Murraya paniculata*
28. *Nyctanthes arbor-tristis*
29. *Ocimum basilicum*
30. *Oroxylum indicum*
31. *Plumbago zeylanica*
32. *Pongamia pinnata*
33. *Salvadora oleoides*
34. *Salvadora persica*
35. *Santalum album*
36. *Sapindus laurifolius*
37. *Saraca asoka*
38. *Senegalia catechu*
39. *Senna alata*
40. *Senna auriculata*
41. *Sesbania grandiflora*
42. *Solanum torvum*
43. *Solanum trilobatum*
44. *Sphagneticola trilobata*
45. *Sterculia urens*
46. *Syzygium cumini*
47. *Syzygium hyneanum*
48. *Terminalia arjuna*

49. *Terminalia bellirica*
50. *Terminalia crenulata*
51. *Tinospora cordifolia*
52. *Tylophora indica*
53. *Vitex negundo*

54. *Vitex trifoliata*
55. *Withania coagulans*
56. *Withania somnifera*
57. *Wrightia tinctoria*
58. *Zingiber sp.*

List of the Medicinal plants conserved at BSI, SRC, NOEG, Yercaud, Tamil Nadu

1. *Acorus calamus* L.
2. *Andrographis paniculata* (Burm.f) Wall ex Nees
3. *Alpinia galanga* (L.)Sw.
4. *Anisochilus carnosus* (L.f.)Wall ex Benth.
5. *Celastrus paiculatus* Willd.
6. *Ervatamia heyneana* (Wall.)Cook
7. *Hedychium coronarium* Koen.
8. *Jatropha pandurifolia* Andr.
9. *Orthosiphon aristatus* (Blume) Miq.
10. *Pogostemon heyneanus* Benth.
11. *Rhinacanthus nasuta* (L.) Kurz
12. *Ruta graveolens* L.
13. *Scilla hyacinthiana* (Roth.) Macb. And
14. *Vitex negundo* L.

Email

Technical Section BSI

Fwd: Rajya Sabha Provisionally Admitted Starred / Unstarred Question Diary No. U776 for answer on 06.02.2024 regarding "Preservation and production of herbs/medicines in the state of Jharkhand" – reg.

From : Dr. Priti Singh <priti.singh@gov.in>

Thu, Jan 25, 2024 11:17 AM

Subject : Fwd: Rajya Sabha Provisionally Admitted Starred / Unstarred Question Diary No. U776 for answer on 06.02.2024 regarding "Preservation and production of herbs/medicines in the state of Jharkhand" – reg.

1 attachment

To : Technical Section BSI <tech@bsi.gov.in>, Dr Sudhansu Sekhar Dash <ssdash@bsi.gov.in>, Ashiho Asosii <aamao@bsi.gov.in>

Cc : Ved Prakash Mishra <mishra.vp@gov.in>, Parliament Section <parlsec-mef@nic.in>, kavita tyagi <kavita.tyagi@nic.in>

Sir,

Kindly refer to trailing mail from Ministry of Ayush regarding Parliament Question. It is requested to kindly provide inputs directly to Ministry of Ayush under intimation to this Ministry.

Sudhir
25/1/2024

Sudha
P/S putup
25/1/2024

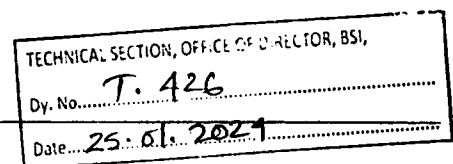
From: "Parliament Section" <parlsec-mef@nic.in>

To: "Ved Prakash Mishra" <mishra.vp@gov.in>, "Dr. Priti Singh" <priti.singh@gov.in>

Cc: "Mr Satyajit Mishra" <satyajit.mishra@nic.in>, "rakesh sharma67" <rakesh.sharma67@nic.in>, "Sanjay Kumar" <sanjaykumar.moca@nic.in>, "Abhimanyu Kumar Sharma" <ak.sharma79@nic.in>, "Hari singh" <h.singh62@nic.in>

Sent: Thursday, January 25, 2024 10:34:13 AM

Subject: Fwd: Rajya Sabha Provisionally Admitted Starred / Unstarred Question Diary No. U776 for answer on 06.02.2024 regarding "Preservation and production of herbs/medicines in the state of Jharkhand" – reg.



From: "kavita tyagi" <kavita.tyagi@nic.in>

To: "Shubha Thakur" <sthakur@nic.in>, "pqdac.krishi" <pqdac.krishi@nic.in>, "SOMANATH AGASIMANI" <drsomanath.agasimani@gov.in>, "Raj Pal" <rpsingh.15863@gov.in>, "A A SREEKANTH, Under Secretary (RC)" <aa.sreekanth@nic.in>, "Muslim.T.R" <muslim.tr@nic.in>, "GC/Parliament" <pqrd@nic.in>, midhaap@gmail.com, "Manoj Kumar" <manojias2008@nic.in>, "harit shakya" <harit.shakya@nic.in>, midhaab@gmail.com, "KEDARNATH VERMA" <kn.verma@nic.in>, "Mrityunjaya Kumar Mishra" <mrityunjaya.m@nic.in>, "MD, NHB" <md@nhb.gov.in>, "Parliament Section" <parlsec-mef@nic.in>, "Pankaj Kumar" <pankaj.kr93@gov.in>, "Pankaj Kumar" <pankaj.mopr@nic.in>, rfcfnorth@gmail.com, "rfcfnmpb north" <rfcfnmpb.north@gmail.com>, "regional dir" <regional.dir@gmail.com>, "rcfc sfri817" <rcfc_sfri817@rediffmail.com>, "rcfcdirector jbp" <rcfcdirector.jbp@gmail.com>, rfcfnmpb@jadapuruniversity.in, rdrcfc@jadapuruniversity.in, rfcfsouthern@gmail.com, "rcfc wr sppu" <rcfc.wr.sppu@gmail.com>, "MOHAN LAL" <mohan@neist.res.in>.

drmohanlal80@gmail.com, "Director NEIST" <director@neist.res.in>,
directorayushjhr@gmail.com

Sent: Wednesday, January 24, 2024 5:35:05 PM

Subject: Rajya Sabha Provisionally Admitted Starred / Unstarred Question Diary No. U776 for answer on 06.02.2024 regarding "Preservation and production of herbs/medicines in the state of Jharkhand" – reg.

Sir / Madam,

Kindly find the attachment regarding the subject cited above Rajya Sabha Question and furnish the information latest by 25.01.2024 (4:00 P.M.)

With regards,

Dr. Kavita Tyagi,
Sr. Consultant,
National Medicinal Plants Board,
Ministry of Ayush



— RSQ Dy. U776 for 06.02.2024.pdf
481 KB

F. No. H-11017/15/2023-24-NMPB-II
Government of India
Ministry of Ayush
National Medicinal Plants Board (NMPB)

1st & 2nd Floor, Annexe Building,
Near Indian Red Cross Society,
Red Cross Road, New Delhi – 110001
E-mail: kavita.tyagi@nic.in
Dated: 24th January, 2024

OFFICE MEMORANDUM

Subject: Rajya Sabha Provisionally Admitted Starred / Unstarred Question Diary No. U776 for answer on 06.02.2024 regarding "Preservation and production of herbs/medicines in the state of Jharkhand" – reg.

The undersigned is directed to refer to the above said Rajya Sabha Provisionally Admitted Starred / Unstarred Question Diary No. U776 for answer on 06.02.2024 reproduced hereunder:

- (a) Year-wise details of the amount allocated and spent for the preservation and production of herbs/medicines in the state of Jharkhand in the last 5 years?
2. It is requested that part-wise reply/ information to the said question may kindly be furnished to the undersigned, in hard as well as soft copy (kavita.tyagi@nic.in) latest by 25.01.2024 (04.00 P.M.).


(Dr. R. Murugeswaran)
Deputy Adviser (MPs)

To

1. Smt. Shuba Thakur, Joint Secretary (Parliament), Ministry of Agriculture & Farmers Welfare, Krishi Bhavan, Dr. Rajendra Prasad Road, New Delhi, 110001 (Tel: 011-23383744/ 23386031 / 23386268/23389831, Email: sthakur@nic.in; pqdac.krishi@nic.in; drsomanath.agasimani@gov.in; rpsingh.15863@gov.in)
2. Joint Secretary, Ministry of Rural Development, Government of India, Krishi Bhavan, Dr. Rajendra Prasad Road, New Delhi – 110001 (Shri A. A. Srcekanth, US (GC/Parliament), Tele: 011-23070978, Email: aa.srekanth@nic.in, Sh. Om Prakash, SO, 011-23386412, Shri Muslim T. R., SO (GC/Parliament), Tele: 23782502, Email: muslim.tr@nic.in, pqrd@nic.in)
3. Director, Mission for Integrated Development of Horticulture, Ministry of Agriculture and Farmers Welfare, 248A, Krishi Bhawan, Dr. Rajendra Prasad Road, New Delhi, 110001 (Tel: 23382383, Email: midhaap@gmail.com, manojias2008@nic.in, harit.shakya@nic.in, midhaab@gmail.com, kn.verma@nic.in, mrityunjaya.m@nic.in, Tel: 011-23388795 / 23388474 / 23074238/23382383, Sh Harit Shakya, US, 23388795, 9568759661)
4. Managing Director, National Horticulture Board, Ministry of Agriculture and Farmers Welfare, Government of India, 85, Institutional Area, Sector-18, Gurugram, 122015 (Haryana) (Tel: 0124-2342992. Email: md@nhb.gov.in)
5. Mr. Rajeev Mathur, Section Officer, Parliament section, Ministry of Environment, Forests and Climate Change, Indira Paryavaran Bhawan, Jor Bagh Road, New Delhi 03 (Email: parlsec-mef@nic.in, Tel: 011-24695332)
6. Assistant Section Officer, Ministry of Panchayati Raj, 9th Floor, Jeevan Bharti Building, Connaught Place, New Delhi – 11001; Email: pankaj.kr93@gov.in, pankaj.mopr@nic.in, Tel: 011-23725309
7. All desks of NMPB / SMPBs / SHMs / RCFCs / Others

Email

Technical Section BSI



Re: Rajya Sabha Provisionally Admitted Question Starred / Unstarred Diary No. U715 for 06.02.2024 regarding "protect critical Ayurveda herbal plants" – reg.

From : Technical Section BSI <tech@bsi.gov.in> Tue, Jan 30, 2024 04:21 PM
Subject : Re: Rajya Sabha Provisionally Admitted Question Starred / Unstarred Diary No. U715 for 06.02.2024 regarding "protect critical Ayurveda herbal plants" – reg. 1 attachment
To : Dr. Priti Singh <priti.singh@gov.in>, sobsi2012 <sobsi2012@gmail.com>, GEETA BHATNAGAR <geeta.bhatnagar@nic.in>, Murugeswaran R <dr.murugesw.nmpb@gov.in>
Cc : Ashiho Asosii <aamao@bsi.gov.in>, Dr Sudhansu Sekhar Dash <ssdash@bsi.gov.in>, Umeshkumar L. Tiwari <ukltiwari@bsi.gov.in>, Sudhir Kumar Yadav <skyadav@bsi.gov.in>

Madam,

With reference to the email received on 25.01.2024 on the subject mentioned above, I am directed to send herewith information pertaining to BSI for your kind perusal and necessary action.

Thanking You,

With regards,
S.K. Yadav
Botanist, HQ

.....
Technical Section

Botanical Survey of India, HQ

Salt Lake City, Kolkata - 700 064

Emails: *tech@bsi.gov.in ; tech.bsi2021@gmail.com*

From: ssdash2002@gmail.com
To: skyadavbsic@gmail.com, "Technical Section BSI" <tech@bsi.gov.in>
Sent: Thursday, January 25, 2024 11:05:35 AM
Subject: Fwd: Rajya Sabha Provisionally Admitted Question Starred / Unstarred Diary No. U715 for 06.02.2024 regarding "protect critical Ayurveda herbal plants" – reg.

----- Forwarded message -----

From: **GEETA BHATNAGAR** <geeta.bhatnagar@nic.in>
Date: Thu, 25 Jan, 2024, 10:36 AM
Subject: Fwd: Rajya Sabha Provisionally Admitted Question Starred / Unstarred Diary No. U715 for 06.02.2024 regarding "protect critical Ayurveda herbal plants" – reg.
To: Ashiho Asosii Mao <hq@bsi.gov.in>, Hoo, BSI Hqrs <hoo-hqrs@bsi.gov.in>, Dr C Murugan <cmurugan@bsi.gov.in>, Sudhansu sekhar Dash <ssdash2002@gmail.com>, Dr Sudhansu Sekhar Dash <ssdash@bsi.gov.in>
Cc: sobsi2012 <sobsi2012@gmail.com>

Sir,

Please refer the trailing mail from M/O Ayush and expedite comments on RS provisionally admitted USQ Dy.No. U715.

Thanks and regards

From: "Nameeta Prasad" <nameeta.prasad@gov.in>
To: "GEETA BHATNAGAR" <geeta.bhatnagar@nic.in>
Cc: "rs dot bora" <rs.bora@nic.in>
Sent: Thursday, January 25, 2024 9:52:31 AM
Subject: Fwd: Rajya Sabha Provisionally Admitted Question Starred / Unstarred Diary No. U715 for 06.02.2024 regarding "protect critical Ayurveda herbal plants" – reg.

From: "SunilDutt ResearchOfficer(MedicinalPlants/Agro)" <romps.nmpb@gov.in>
To: "Nameeta Prasad" <nameeta.prasad@gov.in>, "Sujit Kumar Bajpayee" <sujit.baju@gov.in>, "Mr Satyajit Mishra" <satyajit.mishra@nic.in>, "Shubha Thakur" <sthakur@nic.in>, "Ashish Malhotra" <ashish.malhotra@nic.in>, "Priya Ranjan" <priya.ranjan98@gov.in>, "A Dhanalakshmi" <a.dhanalakshmi@nic.in>, "DST Website Support" <ws-dst@gov.in>, "DEVARAJAN K.R" <parldst@nic.in>, "Director General CSIR" <dg@csir.res.in>, "Dr(Mr) Himanshu Pathak" <dg.icar@nic.in>, "Director General CSIR" <dgcsir@csir.res.in>, "Ashiho Asosii Mao" <hq@bsi.gov.in>, "ADMIN BSI" <admin@bsi.gov.in>, "Technical Section BSI" <tech@bsi.gov.in>, "Dr. B Balaji" <secretary@nba.nic.in>
Cc: "Murugeswaran R" <dr.murugessh.nmpb@gov.in>
Sent: Wednesday, January 24, 2024 5:38:47 PM
Subject: Rajya Sabha Provisionally Admitted Question Starred / Unstarred Diary No. U715 for 06.02.2024 regarding "protect critical Ayurveda herbal plants" – reg.

Sir / Madam,

Kindly find the attachment on subject cited parliament question.

It is requested that point-wise information for the Question may kindly be furnished both in hard as well as soft copy (E-mail: romps.nmpb@gov.in) by **29th January, 2024 latest by 02:00 PM.**

With regards,

Sunil Dutt

Research Officer (Medicinal Plants/Agronomy)

National Medicinal Plants Board (NMPB),
Ministry of Ayush, Government of India,
Indian Red Cross Society (IRCS) Annexe Building,
1st Floor, 1 Red Cross Road, New Delhi-110001.

Tel : **011-23721836**, Email: romps.nmpb@gov.in, Website :

<https://www.nmpb.nic.in/>

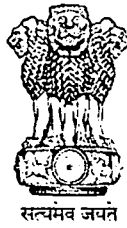
#AYUSH#ZindagiRaheKhush

75
Azadi Ka
Amrit Mahotsav

--
Nameeta Prasad,
Joint Secretary to the Govt of India,
Ministry of Environment, Forests and Climate Change,
Indira Pariyavaran Bhawan,
New Delhi

नमिता प्रसाद,
संयुक्त सचिव, भारत सरकार
पर्यावरण, वन और जलवायु परिवर्तन मंत्रालय,
इंदिरा पर्यावरण भवन,
नयी दिल्ली

— U715 25.01.2024.pdf
2 MB



भारत सरकार
GOVERNMENT OF INDIA
पर्यावरण, वन एवं जलवायु परिवर्तन मंत्रालय
MINISTRY OF ENVIRONMENT, FOREST & CLIMATE CHANGE

भारतीय वनस्पति सर्वेक्षण / BOTANICAL SURVEY OF INDIA
सी.जी.ओ. कॉम्प्लेक्स / CGO COMPLEX
तृतीय एम. एस. ओ. भवन / 3RD MSO BUILDING
पाँचवाँ और छठा तल / 5TH & 6TH FLOOR
डी एफ ब्लॉक, सेक्टर 1 / DF BLOCK, SECTOR I
साल्टलेक, कोलकाता-६४ / SALT LAKE, KOLKATA - 700064
Tel.: (033) 2321 4050 [Tech. Section] ; E-mail: tech@bsi.gov.in

फाइलसंख्या/ File No.: BSI- 286/1 (Parl.) / 2023 -Tech.
सेवामें / To

दिनांक/Date : 14th December, 2023

The Secretary
Ministry of Environment, Forest and Climate Change
Indira Paryavaran Bhawan, Jor Bagh Road
New Delhi - 110003

(Kind attention: Dr. A.N. Shukla, Scientist E, MoEF&CC, New Delhi)

Subject: Parliamentary Question- U3208 on Regional Climate and Biodiversity Centre - reg.

महोदया/ Madam,

With reference to your email received on 12.12.2023 regarding parliamentary Question No. U3208 for 21/12/2023 on **Regional Climate and Biodiversity Centre**, I am directed to furnish herewith the following information for your kind perusal and necessary action as follows:

(a) ***Details of Regional Climate/ Biodiversity Centres working in the field of research in Himalayas, Western Ghat and Eastern Ghat regions under the MoEF&CC***

Answer: BSI has the following 8 regional centres on Himalayas, Western Ghats and Eastern Ghats:

Himalayas:
1. BSI, APRC (Arunachal Pradesh Regional Centre), Itanagar; 2. BSI, NRC (Northern Regional Centre), Dehradun; 3. BSI, HAWHRC (High Altitude Western Himalayan Regional Centre), Solan; 4. BSI, ERC (Eastern Regional Centre), Shillong and 5. BSI, SHRC (Sikkim Himalayan Regional Centre), Gangtok.

Western Ghat:

1. BSI, WRC (Western Regional Centre) – Pune, with jurisdiction over Maharashtra, Karnataka, Gujarat *i.e.* North Western Ghat and 2. BSI, SRC (Southern Regional Centre), Coimbatore, with jurisdiction over Tamil Nadu, Kerala *i.e.* Southern Western Ghats.

Eastern Ghat:

3. BSI, DRC (Deccan Regional Centre), Hyderabad - with jurisdiction over survey of Eastern Ghats of India.

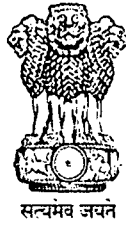
Through these regional centres, BSI is engaged in documentation of floristic diversity and survey of the floristic wealth of the country. However, there is no exclusive research grant for study of the climate change except sporadic funding through some external funded projects.

(b) ***Whether the Government is planning to establish a Regional Climate and Biodiversity Centre for Eastern Ghats particularly in Koraput of Odisha.***

Answer: No information is available with Botanical Survey of India.



भारत सरकार
GOVERNMENT OF INDIA
पर्यावरण, वन एवं जलवायु परिवर्तन मंत्रालय
MINISTRY OF ENVIRONMENT, FOREST & CLIMATE CHANGE



भारतीय वनस्पति सर्वेक्षण / BOTANICAL SURVEY OF INDIA
सी.जी.ओ. कॉम्प्लेक्स / CGO COMPLEX
तृतीय एम. एस. ओ. भवन / 3RD MSO BUILDING
पॉंचवॉ और छठा तल / 5TH & 6TH FLOOR
डी एफ ब्लॉक, सेक्टर 1 / DF BLOCK, SECTOR I
साल्टलेक, कोलकाता-६४ / SALT LAKE, KOLKATA - 700064
Tel.: (033) 2321 4050 [Tech. Section] ; E-mail: tech@bsi.gov.in

(c) *If yes, details thereof*

Answer: No information is available with Botanical Survey of India.

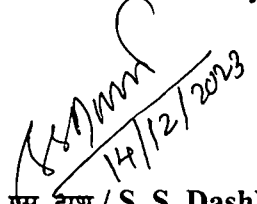
(d) *Details of fund sanctioned and released to preserve & protect Eastern Ghats area in the state of Odisha*

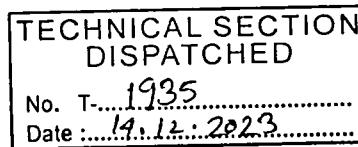
Answer: No information is available with Botanical Survey of India.

This issues with the approval of Director, Botanical Survey of India.

सधन्यवाद/ Thanking you,

भवदीय/Yours sincerely


(एस. एस. दाश / S. S. Dash)
वैज्ञानिक/ Scientist 'F'
(प्रभारी, तकनीकी अनुभाग / In-charge, Tech. Section)



Email

Technical Section BSI

**Re: Request for inputs on Parliamentary Question- U3208**

From : Technical Section BSI <tech@bsi.gov.in>
Subject : Re: Request for inputs on Parliamentary Question- U3208

Thu, Dec 14, 2023 01:30 PM

1 attachment

To : Achuta Nand Shukla <achuta.shukla@gov.in>, sobsi2012 <sobsi2012@gmail.com>
Cc : Ashiho Asosii <aamao@bsi.gov.in>, Dr Sudhansu Sekhar Dash <:ssdash@bsi.gov.in>, Umeshkumar L. Tiwari <ukltiwari@bsi.gov.in>

Sir,

In continuation with the previous email dated 13.12.2023 on the above subject, please find enclosed herewith the revised information pertaining to BSI regarding **Parliamentary Question- U3208 on Regional Climate and Biodiversity Centre**.

Thanking You,

.....
Technical Section**Botanical Survey of India, HQ****Salt Lake City, Kolkata - 700 064**Emails: *tech@bsi.gov.in ; tech.bsi2021@gmail.com*

From: "Technical Section BSI" <tech@bsi.gov.in>
To: "Achuta Nand Shukla" <achuta.shukla@gov.in>, "sobsi2012" <sobsi2012@gmail.com>
Cc: "Ashiho Asosii" <aamao@bsi.gov.in>, "Dr Sudhansu Sekhar Dash" <:ssdash@bsi.gov.in>, "Umeshkumar L. Tiwari" <ukltiwari@bsi.gov.in>
Sent: Wednesday, December 13, 2023 6:11:09 PM
Subject: Re: Request for inputs on Parliamentary Question- U3208

Sir,

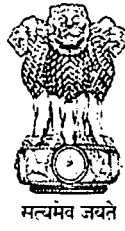
With reference to the email received on 12.12.2023 regarding **Regional Climate and Biodiversity Centre**, it is to inform you that the parliamentary questions sought under the **Question No. U3208 for 21/12/2023** does not pertain to BSI. Therefore, the reply from the BSI may be treated as **NIL**.

Thanking you,

.....
Technical Section**Botanical Survey of India, HQ****Salt Lake City, Kolkata - 700 064**Emails: *tech@bsi.gov.in ; tech.bsi2021@gmail.com*



भारत सरकार
GOVERNMENT OF INDIA
पर्यावरण, वन एवं जलवायु परिवर्तन मंत्रालय
MINISTRY OF ENVIRONMENT, FOREST & CLIMATE CHANGE



भारतीय वनस्पति सर्वेक्षण / BOTANICAL SURVEY OF INDIA
सी.जी.ओ. कॉम्प्लेक्स / CGO COMPLEX
तृतीय एम. एस. ओ. भवन / 3RD MSO BUILDING
पाँचवाँ और छठा तल / 5TH & 6TH FLOOR
डी एफ ब्लॉक, सेक्टर 1 / DF BLOCK, SECTOR I
साल्टलेक, कोलकाता-६४ / SALT LAKE, KOLKATA - 700064
Tel.: (033) 2321 4050 [Tech. Section] ; E-mail: tech@bsi.gov.in

फाइलसंख्या/ File No.: BSI- 286/1 (Parl.) / 2023 -Tech.
सेवामें / To

दिनांक/Date : 13th December, 2023

The Secretary
Ministry of Environment, Forest and Climate Change
Indira Paryavaran Bhawan, Jor Bagh Road
New Delhi - 110003

(Kind attention: Dr. A.N. Shukla, Scientist E, MoEF&CC, New Delhi)

Subject: Parliamentary Question- U3208 on Regional Climate and Biodiversity Centre - reg.

महोदया/ Madam,

With reference to the email received on 12.12.2023 regarding **Regional Climate and Biodiversity Centre**, I am directed to inform that the parliamentary questions sought under the **Question No. U3208 for 21/12/2023** does not pertain to BSI. Therefore, the reply from the BSI may be treated as NIL.

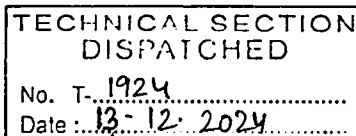
This issues with the approval of Director, Botanical Survey of India.

सधन्यवाद/ Thanking you,

भवदीय/Yours sincerely

(S. S. Dash)
13/12/2023
(एस. एस. दाश / S. S. Dash)
वैज्ञानिकएफ/ Scientist 'F'

(प्रभारी, तकनीकीअनुभाग / In- charge, Tech. Section)



BSI has following Regional centres over Himalayas
 in the Himalayan region BSI has 34.5
 regional centres i.e. SARE, ARC, NRE, SOLAR, AICE
 ERE. Through these regional centres BSI engaged
 in documenting floristic diversity, and survey of
 floristic wealth of the country. However there
 is no exclusive mechanism found for study of the
 on west climate change expert special
 funding through some project
 external funded projects

Himalaya —

Western ghats: - WRC - Pune ~~Indira Mahan~~
 Karnataka and
 Gujarat
 South North
 Western Ghats

Coimbatore - SRE

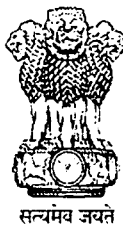
Tamil Nadu Kerala -
 i.e. South Western Ghats

DRE:

Survey of
 looking at the Eastern Ghats
 India

(b) no info ...

2 - no info



भारत सरकार
GOVERNMENT OF INDIA
पर्यावरण, वन एवं जलवायु परिवर्तन मंत्रालय
MINISTRY OF ENVIRONMENT, FOREST & CLIMATE CHANGE

भारतीय वनस्पति सर्वेक्षण / BOTANICAL SURVEY OF INDIA
सी.जी.ओ. कॉम्प्लेक्स / CGO COMPLEX
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साल्टलेक, कोलकाता-६४ / SALT LAKE, KOLKATA - 700064
Tel.: (033) 2321 4050 [Tech. Section] ; E-mail: tech@bsi.gov.in

फाइलसंख्या/ File No.: BSI- 286/1 (Parl.) / 2023 -Tech./1924 दिनांक/Date : 13th December, 2023
सेवामें / To

The Secretary
Ministry of Environment, Forest and Climate Change
Indira Paryavaran Bhawan, Jor Bagh Road
New Delhi - 110003

(Kind attention: Dr. A.N. Shukla, Scientist E, MoEF&CC, New Delhi)

Subject: Parliamentary Question- U3208 on Regional Climate and Biodiversity Centre - reg.

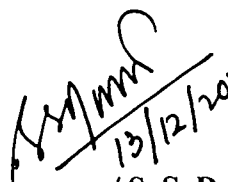
महोदया/ Madam,

With reference to the email received on 12.12.2023 regarding **Regional Climate and Biodiversity Centre**, I am directed to inform that the parliamentary questions sought under the **Question No. U3208 for 21/12/2023** does not pertain to BSI. Therefore, the reply from the BSI may be treated as NIL.

This issues with the approval of Director, Botanical Survey of India.

सधन्यवाद/ Thanking you,

भवदीय/Yours sincerely


(एस. एस. दाश / S. S. Dash)

वैज्ञानिक/ Scientist 'F'

(प्रभारी, तकनीकीअनुभाग / In- charge, Tech. Section)



भारत सरकार

GOVERNMENT OF INDIA

पर्यावरण, वन एवं जलवायु परिवर्तन मंत्रालय

MINISTRY OF ENVIRONMENT, FOREST & CLIMATE CHANGE



सत्यमेव जयते



भारतीय वनस्पति सर्वेक्षण / BOTANICAL SURVEY OF INDIA

सी.जी.ओ. कॉम्प्लेक्स / CGO COMPLEX

तृतीय एम. एस. ओ. भवन / 3RD MSO BUILDING

पाँचवाँ और छठा तल / 5TH & 6TH FLOOR

डी एफ ब्लॉक, सेक्टर 1 / DF BLOCK, SECTOR I

साल्टलेक, कोलकाता-६४ / SALT LAKE, KOLKATA - 700064

Tel.: (033) 2321 4050 [Tech. Section] ; E-mail: tech@bsi.gov.in

फाइलसंख्या/ File No.: BSI- 286/1 (Parl.) / 2023 -Tech. / 1935 दिनांक/Date : 14th December, 2023
सेवामें / To

The Secretary

Ministry of Environment, Forest and Climate Change

Indira Paryavaran Bhawan, Jor Bagh Road

New Delhi - 110003

(Kind attention: Dr. A.N. Shukla, Scientist E, MoEF&CC, New Delhi)

Subject: Parliamentary Question- U3208 on Regional Climate and Biodiversity Centre - reg.

महोदया/ Madam,

With reference to your email received on 12.12.2023 regarding parliamentary Question No. U3208 for 21/12/2023 on **Regional Climate and Biodiversity Centre**, I am directed to furnish herewith the following information for your kind perusal and necessary action as follows:

- (a) ***Details of Regional Climate/ Biodiversity Centres working in the field of research in Himalayas, Western Ghat and Eastern Ghat regions under the MoEF&CC***

Answer: BSI has the following 8 regional centres on Himalayas, Western Ghats and Eastern Ghats:

Himalayas:

1. BSI, APRC (Arunachal Pradesh Regional Centre), Itanagar;
2. BSI, NRC (Northern Regional Centre), Dehradun;
3. BSI, HAWHRC (High Altitude Western Himalayan Regional Centre), Solan;
4. BSI, ERC (Eastern Regional Centre), Shillong and
5. BSI, SHRC (Sikkim Himalayan Regional Centre), Gangtok.

Western Ghat:

1. BSI, WRC (Western Regional Centre) – Pune, with jurisdiction over Maharashtra, Karnataka, Gujarat *i.e.* North Western Ghat and
2. BSI, SRC (Southern Regional Centre), Coimbatore, with jurisdiction over Tamil Nadu, Kerala *i.e.* Southern Western Ghats.

Eastern Ghat:

3. BSI, DRC (Deccan Regional Centre), Hyderabad - with jurisdiction over survey of Eastern Ghats of India.

Through these regional centres, BSI is engaged in documentation of floristic diversity and survey of the floristic wealth of the country. However, there is no exclusive research grant for study of the climate change except sporadic funding through some external funded projects.

- (b) ***Whether the Government is planning to establish a Regional Climate and Biodiversity Centre for Eastern Ghats particularly in Koraput of Odisha.***

Answer: No information is available with Botanical Survey of India.



भारत सरकार
GOVERNMENT OF INDIA
पर्यावरण, वन एवं जलवायु परिवर्तन मंत्रालय
MINISTRY OF ENVIRONMENT, FOREST & CLIMATE CHANGE

भारतीय वनस्पति सर्वेक्षण / BOTANICAL SURVEY OF INDIA
सी.जी.ओ. कॉम्प्लेक्स / CGO COMPLEX
तृतीय एम. एस. ओ. भवन / 3RD MSO BUILDING
पाँचवाँ और छठा तल / 5TH & 6TH FLOOR
डी एफ ब्लॉक, सेक्टर 1 / DF BLOCK, SECTOR I
साल्टलेक, कोलकाता-६४ / SALT LAKE, KOLKATA - 700064
Tel.: (033) 2321 4050 [Tech. Section] ; E-mail: tech@bsi.gov.in

(c) *If yes, details thereof*

Answer: No information is available with Botanical Survey of India.

(d) *Details of fund sanctioned and released to preserve & protect Eastern Ghats area in the state of Odisha*

Answer: No information is available with Botanical Survey of India.

This issues with the approval of Director, Botanical Survey of India.

सधन्यवाद/ Thanking you,

भवदीय/Yours sincerely

(एस. एस. दाश / S. S. Dash)

वैज्ञानिक/ Scientist 'F'

(प्रभारी, तकनीकी अनुभाग / In-charge, Tech. Section)

Email

Technical Section BSI

Request for inputs on Parliamentary Question- U3208

From : Achuta Nand Shukla <achuta.shukla@gov.in>
Subject : Request for inputs on Parliamentary Question- U3208

Tue, Dec 12, 2023 02:54 PM

1 attachment

To : Dr. B Balaji <secretary@nba.nic.in>, Director
 <psdir@gbpihed.nic.in>, dwii@wii.gov.in,
 vrt@wii.gov.in, dg@icfre.org, Dr S Kerketta
 <s.kerketta66@gov.in>, pccfodisha@gmail.com, pccf
 hoff <pccf.hoff@odisha.gov.in>, Sharath Kumar
 Pallerla <sharath.kr@gov.in>,
 executivedirector@mssrf.res.in, SECRETARY DST
 <dstsec@nic.in>, Ajay Raghava
 <ajay.raghava@nic.in>, amit raj
 <amit.raj1979@gov.in>, Technical Section BSI
 <tech@bsi.gov.in>, Technical Section ZSI HQ, Kolkata
 <technical@zsi.gov.in>, Rakesh Kumar JAGENIA
 <digwl-mefcc@gov.in>, R Raghu Prasad
 <raghu.prasad@gov.in>, director@wihg.res.in,
 direnvodisha@gmail.com

Cc : RAGHU KUMAR KODALI <kodali.rk@gov.in>, Vibhuti
 Panjiyar <vibhuti.panjiyar@nic.in>, Kunal Singh
 <kunal.singh@gov.in>, Shivani Gupta
 <gupta.shivani@govcontractor.in>, kaveri choudhary
 <kaveri.choudhary@gov.in>

Sudhir/ Subapriya

12/12/2023

12/12/2023

Dear Sir/ Madam,

The undersigned has been directed to request your inputs/ comments on the following Parliamentary Questions:

Sl. No.	Question	Response
a.	Details of Regional Climate/ Biodiversity Centres working in the field of research in Himalayas, Western Ghat and Eastern Ghat regions under the MoEF&CC	
b.	Whether the Government is planning to establish a Regional Climate and Biodiversity Centre for Eastern Ghats particularly in Koraput of Odisha	
c.	If yes, details thereof	
d.	Details of fund sanctioned and released to preserve & protect Eastern Ghats area in the state of Odisha	

TECHNICAL SECTION, OFFICE OF DIRECTOR, BSI,
 Dy. No. T-140
 Date. 12/12/2023

You are kindly requested to provide your inputs by 15th December, 2023 as the matter is of urgency.

--

With regards

A. N. Shukla
Scientist 'E'
CS -III (Biodiversity) Division
Ministry of Environment, Forest and Climate Change
Indira Paryavaran Bhawan, Jor Bagh Road
New Delhi-110003



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 **Rajya Sabha Ques U3208.pdf**
587 KB

Email

Parliament Section

Regional Climate and Biodiversity Centre

From : rsqns@sansad.nic.in

Mon, Dec 11, 2023 11:25 AM

Subject : Regional Climate and Biodiversity Centre

To : parlsec-mef@nic.in

PROVISIONALLY ADMITTED QUESTION FOR THE RAJYA SABHA

Starred /Unstarred Diary No.-- U3208

The Question Will be put down for -- 21/12/2023

Answer on the Ministry Department -- Environment, Forest and Climate Change(EFCC)

Regional Climate and Biodiversity Centre

Will the Minister of Forest, Environment and Climate Change be pleased to state:- a. Details of Regional Climate/Biodiversity Centers working in the field of research in Himalayas, Western Ghat and Eastern Ghat regions under the Ministry of MOEF & CC. b. Whether the Government is planning to establish a Regional Climate and Biodiversity Centre for Eastern Ghats particularly in Koraput of Odisha. c. If yes, details thereof, d. Details of fund sanctioned and released to preserve & protect Eastern Ghats area in the state of Odisha

19P/23/P
11/12/23


12.12.23

Sct. 'G' (RKK)

Obtain Inputs

Reema
12/12/2023

AD(ANS)

Email

Parliament Section

Regional Climate and Biodiversity Centre

From : rsqns@sansad.nic.in

Mon, Dec 11, 2023 11:25 AM

Subject : Regional Climate and Biodiversity Centre

To : parlsec-mef@nic.in

PROVISIONALLY ADMITTED QUESTION FOR THE RAJYA SABHA

Starred /Unstarred Diary No.-- U3208

The Question Will be put down for -- 21/12/2023

Answer on the Ministry Department -- Environment, Forest and Climate Change(EFCC)

Regional Climate and Biodiversity Centre

Will the Minister of Forest, Environment and Climate Change be pleased to state:- a. Details of Regional Climate/Biodiversity Centers working in the field of research in Himalayas, Western Ghat and Eastern Ghat regions under the Ministry of MOEF & CC. b. Whether the Government is planning to establish a Regional Climate and Biodiversity Centre for Eastern Ghats particularly in Koraput of Odisha. c. If yes, details thereof, d. Details of fund sanctioned and released to preserve & protect Eastern Ghats area in the state of Odisha

19P [23/18]
11/12/23


12.12.23

Sct. 'G' (RKK)

Obtain Inputs

Reema
12/12/2023

AD(ANS)

TECHNICAL SECTION, OFFICE OF DIRECTOR, BSI,	
Dy. No.	T-141
Date	12.12.2023

भारत सरकार
GOVERNMENT OF INDIA
पर्यावरण, वन एवं जलवायु परिवर्तन मंत्रालय
MINISTRY OF ENVIRONMENT, FOREST & CLIMATE CHANGE

भारतीय वनस्पति सर्वेक्षण / BOTANICAL SURVEY OF INDIA
सी.जी.ओ. कॉम्प्लेक्स / CGO COMPLEX
तृतीय एम. एस. ओ. भवन / 3RD MSO BUILDING
पाँचवाँ और छठा तल / 5TH & 6TH FLOOR
डी एफ ब्लॉक, सेक्टर 1 / DF BLOCK, SECTOR I
साल्टलेक, कोलकाता-६४ / SALT LAKE, KOLKATA - 700064
Tel.: (033) 2321 4050 [Tech. Section] ; E-mail: tech@bsi.gov.in

फाइल संख्या/ File No.: BSI-286/1 (Parl.) / 2021 -Tech.

दिनांक/Date : 2nd August, 2023

सेवा में / To
The Secretary
Ministry of Environment, Forest and Climate Change
Indira Paryavaran Bhawan, Jor Bagh Road
New Delhi - 110003

(Kind attention: Dr. S. Prabhu, Scientist 'D' / Joint Director (S), MoEF&CC, New Delhi)

Subject: Setting up of Research Centres for Medicinal Plants – reg.

Ref: Lok Sabha Starred Diary No. 6549 regarding "Setting up of Research Centres for Medicinal Plants" for 04/08/2023 -reg

महोदया / Madam,

With reference to your email, dated 28th July, 2023 regarding Lok Sabha Starred question diary no 6549 for 04.08.2023 on "Setting up of Research Centres for Medicinal Plants" received by this office from Dr. S. Prabhu, Scientist-D, CS (Medicinal Plants) MoEF&CC, New Delhi, I am directed to furnish herewith the following information for your kind perusal and necessary action as follows:

(a) *Whether the Government has set up any research centres to promote research and development on medicinal plants, State/UT-wise;*

Answer: No information is available with Botanical Survey of India. However, as a secondary mandate BSI supports the research activities of Medicinal plants which includes its conformation of taxonomical identity, *ex-situ* conservation at different regional centres of BSI and providing fund under the Assistance to Botanic Garden Scheme.

(b) *if so the details thereof;*

Answer: The different gardens which conserve medicinal plants are given below

Name of the regional centre of BSI	Whether medicinal plants are being conserved at the garden	Number of medicinal plants conserved
Botanic Garden Of Indian Republic, Noida	Yes	138
Andaman & Nicobar Regional Centre, Port Blair	Yes	120
Arunachal Pradesh Regional Centre, Itanagar	Yes	21
Northern Regional Centre, Dehradun	Yes	290
Arid Zone Regional Centre, Jodhpur	Yes	27
AJC Bose Indian Botanic Garden, Howrah	Yes	172
Western Regional Centre, Pune	Yes	27

(c) whether the Government proposes to establish any research centre in West Bengal;

Answer: At present, no data regarding this is available with BSI.

(d) if so the details thereof along with the details of ongoing projects pertaining to medicinal plants; and

Answer: Not Applicable

(e) if not, the reasons therefor?

Answer: Not Applicable

This issues with the approval of Director, Botanical Survey of India.

सधन्यवाद/ Thanking you,

भवदीय/Yours sincerely

(एस. एस. दाश / S. S. Dash)

वैज्ञानिकई/ Scientist 'E'

(प्रभारी, तकनीकी अनुभाग / In-charge, Tech. Section)

1354
प्रेषित / DESPATCHED
3-8-23

TECHNICAL SECTION
DISPATCHED
No. T- 648
Date: 02.08.2023

Email

Technical Section BSI



Re: Lok Sabha Starred Diary No. 6549 regarding "Setting up of Research Centres for Medicinal Plants" for 04/08/2023 -reg.

From : Technical Section BSI <tech@bsi.gov.in>

Thu, Aug 03, 2023 11:00 AM

Subject : Re: Lok Sabha Starred Diary No. 6549 regarding "Setting up of Research Centres for Medicinal Plants" for 04/08/2023 -reg.

📎 3 attachments

To : PRABHU SUBRAMANI <p.subramani@gov.in>, sobsi2012 <sobsi2012@gmail.com>, GEETA BHATNAGAR <geeta.bhatnagar@nic.in>

Cc : Ashiho Asosii <aamao@bsi.gov.in>, Dr Sudhansu Sekhar Dash <ssdash@bsi.gov.in>, ssdash2002 <ssdash2002@gmail.com>, Umeshkumar L. Tiwari <ukltiwari@bsi.gov.in>

Sir/Madam,

With reference to your email, dated 28th July, 2023 regarding 'Setting up of Research Centres for Medicinal Plants', please find enclosed herewith the information pertaining to Botanical Survey of India for your kind perusal and necessary action.

Thanking You

.....
Technical Section

Botanical Survey of India, HQ

Salt Lake City, Kolkata - 700 064

Emails: *tech@bsi.gov.in* ; *tech.bsi2021@gmail.com*

From: "PRABHU SUBRAMANI" <p.subramani@gov.in>

To: "Ashiho Asosii Mao" <hq@bsi.gov.in>, "Technical Section BSI" <tech@bsi.gov.in>, "Dr. B Balaji" <secretary@nba.nic.in>

Cc: "Ved Prakash Mishra" <mishra.vp@gov.in>

Sent: Friday, July 28, 2023 6:07:07 PM

Subject: Fwd: Lok Sabha Starred Diary No. 6549 regarding "Setting up of Research Centres for Medicinal Plants" for 04/08/2023 -reg.

Sir/Madam,

Please refer OM no H-11016/01/2023-24-NMPB-IV dated 28th July, 2023 received from the National Medicinal Plant Board, Ministry of Ayush regarding Lok Sabha Starred diary No. 6549 – 'Setting up of Research Centres for Medicinal Plants' for 04/08/2023 for inputs from the Ministry (copy is enclosed).

It is requested that the part-wise information of the above-said question may kindly be furnished to the undersigned in hard as well as soft copy in MS WORD format latest by **31.07.2023** positively.

This may be treated as **Most urgent**.

With regards,

Dr. S. Prabhu
Scientist - D
CS (Medicinal Plants)
MoEFCC, New Delhi.

From: "Parliament Section" <parlsec-mef@nic.in>
To: "PRABHU SUBRAMANI" <p.subramani@gov.in>
Cc: "Satya Prakash" <satya.prakash79@nic.in>, "Abhimanyu Kumar Sharma" <ak.sharma79@nic.in>
Sent: Friday, July 28, 2023 5:06:52 PM
Subject: Fwd: Lok Sabha Starred Diary No. 6549 regarding "Setting up of Research Centres for Medicinal Plants" for 04/08/2023 -reg.

From: "Ms Leena Nandan" <secy-moef@nic.in>
To: "Parliament Section" <parlsec-mef@nic.in>
Cc: "Mr Satyajit Mishra" <satyajit.mishra@nic.in>
Sent: Friday, July 28, 2023 5:04:44 PM
Subject: Fwd: Lok Sabha Starred Diary No. 6549 regarding "Setting up of Research Centres for Medicinal Plants" for 04/08/2023 -reg.

O/o Secretary
M/o Environment, Forest & Climate Change
Tel.No.20819308/20819408
Fax No.20819238

From: "Dr.Bidhan Mahajon" <dr.bidhan@gov.in>
To: "Dr(Mr) Himanshu Pathak" <dg.icar@nic.in>, "Ashwani Kumar" <jsadmn-agri@gov.in>, "Chandra Prakash Goyal" <cpogoyal@nic.in>, "Director General CSIR" <dg@csir.res.in>, "Director General CSIR" <dgcsir@csir.res.in>, "Secretary DSIR" <secy-dsir@gov.in>, "DG ICMR" <secy-dg@icmr.gov.in>, "Rabinarayan Acharya" <dg-ccras@nic.in>, ccrhindia@gmail.com, unanimedicine@gmail.com, ccrschennai@gmail.com, "icmrhqds" <icmrhqds@sansad.nic.in>, "Anju Bhalla" <anju_bhalla@nic.in>, "Ms Leena Nandan" <secy-moef@nic.in>, "Itakpa jigmet" <Itakpa.jigmet@gov.in>, "Chandrabhan Dhruw" <bioresource-dbt@dbt.nic.in>, "Parliament Cell" <parl@csir.res.in>, ccrh@del3.vsnl.net.in, ccrhpq@gmail.com, "manish das" <manish.das@icar.gov.in>, "Dr Raman Mohan Singh" <dir.pcmh-ayush@gov.in>, "Manoj Bapna" <manojb12365-cgo@gov.in>, "Renu sharma" <renu.sharma16@gov.in>, "parliamentreply ccras" <parliamentreply.ccras@gmail.com>
Cc: "Prof. Tanuja Nesari" <ceo-nmpb@nic.in>, "Dy. CEO NMPB Mo AYUSH" <dyceo-nmpb@nic.in>, "Murugeswaran R" <dr.murugesw.nmpb@gov.in>, "Patrick Xalxo" <patrick.x@gov.in>
Sent: Friday, July 28, 2023 4:43:14 PM

Subject: Lok Sabha Starred Diary No. 6549 regarding "Setting up of Research Centres for Medicinal Plants" for 04/08/2023 -reg.

Sir/Madam,

Please find enclosed Lok Sabha Starred Diary No. 6549 regarding "**Setting up of Research Centres for Medicinal Plants**" for 04/08/2023. It is requested that the part-wise information of the above said question may kindly be furnished to the undersigned in hard as well as soft copy in MSWORD format (Email: dr.bidhan@gov.in / info-nmpb@nic.in) latest by **31/07/2023. (FN)** positively. This may be treated as most urgent.

With Sincere Regards

Dr. Bidhan Mahajan, MD (Ay), Ph.D.

Research Officer (Ayurveda)

National Medicinal Plants Board (NMPB)

Ministry of Ayush

Government of India

Indian Red Cross Society (IRCS)

Annexe Building, 1st & 2nd floor, 1 Red Cross Road, New Delhi-110001



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Parliament reply 6549.docx
200 KB

Lok Sabha Dy, No.6549.pdf
129 KB



Re: Fwd: Lok Sabha Starred Diary No. 6549 regarding "Setting up of Research Centres for Medicinal Plants" for 04/08/2023 -reg.

From : ibg bsi <ibg_bsi@rediffmail.com> Tue, Aug 01, 2023 12:51 PM
Sender : ibg bsi <ibg_bsi@rediffmail.com> 📎 1 attachment
Subject : Re: Fwd: Lok Sabha Starred Diary No. 6549 regarding
 "Setting up of Research Centres for Medicinal Plants"
 for 04/08/2023 -reg.
To : Technical Section BSI <tech@bsi.gov.in>

Sir,

Please find the necessary information regarding medicinal plants.

Name of the Regional Centre	Whether Medicinal Plants are being conserved at the garden	Number of Medicinal Plants conserved
AJC Bose Indian Botanic Garden, Howrah	Yes	172 species

Thanking you,

From: Technical Section BSI <tech@bsi.gov.in>
 Sent: Mon, 31 Jul 2023 13:22:35
 To: "ANRC, BSI" <bsianrc1972@gmail.com>, "APRC, BSI" <bsiapr77@gmail.com>, "Dr. Kumar Ambrish, Scientist B BSI" <kambrish@bsi.gov.in>, "Benniamin, Asir" <fernsbenni@gmail.com>, "Bhaumik, Manas" <dr_manasb@yahoo.com>, "CBL, BSI" <cbl_bsi@yahoo.com>, "CNH, BSI" <calherbarium@yahoo.co.in>, "Chauhan, Sandeep" <sandeep.chauhan@rediffmail.com>, "Hoo, BSI Hqrs" <hoo-hqrs@bsi.gov.in>, "DRC, BSI" <bsi_deccancircle@rediffmail.com>, "Rajib Gogoi" <rajibgogoi@bsi.gov.in>, "Gupta, Pratibha" <drpratibha2014@gmail.com>, "Gupta, R K" <rkguptabsi@yahoo.in>, "IBG, BSI" <ibg_bsi@rediffmail.com>, "ISIM, BSI" <bsiisim@rediffmail.com>, "Dr. Onkar Nath Maurya" <onmaurya@bsi.gov.in>, "Sriman Lal Meena" <slmeena@bsi.gov.in>, "ADMIN BSI" <admin@bsi.gov.in>, "NRC, BSI" <bsinc2001@rediffmail.com>, "Odyuo, N." <nodyuo@yahoo.com>, "Odyuo, Nripemo" <nripemo@gmail.com>, "Dr. S. K. Singh" <sksingh@bsi.gov.in>, "Ladan Rasingam" <lrasingam@bsi.gov.in>, "Rawat, Vineet" <rawat_vk2107@rediffmail.com>, "Vineet Kumar Rawat" <vineetrawat@bsi.gov.in>, "SHRC, BSI" <bsigangtok@hotmail.com>, "SINGH, LALJI" <laljisingh1970@rediffmail.com>, "BSI SRC" <sc@bsi.gov.in>, "Sharief, M.U." <shariefbsi@yahoo.co.in>, "Devendra Singh" <dsingh@bsi.gov.in>, "WRC, BSI" <bsiwrpcpune@gmail.com>, "bsi, drslmeena" <drslmeena.bsi@gmail.com>, "Dr. Onkar Nath Maurya" <onmaurya@bsi.gov.in>, "sandeephorti" <sandeephorti@gmail.com>, "sivanthimurugan" <sivanthimurugan@rediffmail.com>, "bsisolan2019" <bsisolan2019@gmail.com>, "bsiazc" <bsiazc@yahoo.com>
 Cc: "Dr Sudhansu Sekhar Dash" <ssdash@bsi.gov.in>, "Umeshkumar L. Tiwari" <ukltiwari@bsi.gov.in>, "C M Sabapathy" <cmsabapathy@bsi.gov.in>
 Subject: Fwd: Lok Sabha Starred Diary No. 6549 regarding "Setting up of



Re: Lok Sabha Starred Diary No. 6549 regarding "Setting up of Research Centres for Medicinal Plants" for 04/08/2023 -reg.

From : fernsbenni@gmail.com

Tue, Aug 01, 2023 05:10 PM

Subject : Re: Lok Sabha Starred Diary No. 6549 regarding
"Setting up of Research Centres for Medicinal Plants"
for 04/08/2023 -reg.

1 attachment

To : Technical Section BSI <tech@bsi.gov.in>

Sir, Please find the mail and do the needful

Name of the Regional Centre	Whether Medicinal Plants are being conserved at the garden	Number of Medicinal Plants conserved
WESTERN REGIONAL CENTRE PUNE	YES	27

On Mon, Jul 31, 2023 at 1:23 PM Technical Section BSI <tech@bsi.gov.in> wrote:

Sir,

With reference to the above mentioned subject, please find herewith a forwarded email, which is self explanatory. In this connection, you are requested to intimate this office on whether Medicinal Plants are being conserved at the garden of your respective your regional centre in the following format (given below) to this office by **today (31.07.2023, 4.00 PM)** positively.

Name of the Regional Centre	Whether Medicinal Plants are being conserved at the garden	Number of Medicinal Plants conserved

Thanking You

.....
Technical Section

Botanical Survey of India, HQ

Salt Lake City, Kolkata - 700 064

Emails: tech@bsi.gov.in ; tech.bsi2021@gmail.com

From: "PRABHU SUBRAMANI" <p.subramani@gov.in>

To: "Ashiho Asosii Mao" <hq@bsi.gov.in>, "Technical Section BSI" <tech@bsi.gov.in>, "Dr. B Balaji" <secretary@nba.nic.in>

Answers for 6549

- (a) Whether the Government has established any research centres to promote research and development on medicinal plants, State/UT-wise;

Answers: Yes, the Government has established research centres in India, State/UT-wise

- (b) If so, details thereof?

The research centres that are focused on promoting research and development on medicinal plants alone are :

- National Institute of Ayurvedic Pharmaceutical Research, Patiala, Punjab
- Central Council for Research in Ayurvedic Sciences, New Delhi
- National Institute of Siddha, Chennai, Tamil Nadu
- Central Institute of Medicinal and Aromatic Plants, Lucknow, Uttar Pradesh
- Central Research Institute of Unani Medicine, Hyderabad, Telangana
- Regional Research Institute of Unani Medicine, Srinagar, Jammu and Kashmir
- National Institute of Homocopathy, Kolkata, West Bengal
- Central Council for Research in Homocopathy, New Delhi
- National Research Institute for Sowa Rigpa, Lch, Ladakh
- National Institute of Naturopathy, Pune, Maharashtra
- Central Council for Research in Yoga and Naturopathy, New Delhi
- National Institute of Ayurveda, Jaipur, Rajasthan
- Regional Ayurveda Research Institute, Gwalior, Madhya Pradesh
- National Institute of Ayurvedic Medicine, Jaipur, Rajasthan
- Indian Institute of Integrative Medicine, Jammu, Jammu and Kashmir
- National Institute of Herbal Science, Kottayam, Kerala
- Regional Research Institute of Homocopathy, Gudivada, Andhra Pradesh
- Ayurvedic Tribal Health Care Research Project, Visakhapatnam, Andhra Pradesh
- Regional Research Institute of Ayurveda, Itanagar, Arunachal Pradesh
- Regional Research Institute of Ayurveda, Gangtok, Sikkim

It should be noted that this is not an exhaustive list, and there are also other research centres in India that focus on medicinal plants and their development apart from the above mentioned research centres.

Botanical Survey of India also supports the research activities of Medicinal plant including its conformation of taxonomical Identity, assisting in ex situ conservation site at its regional centres' Botanic Gardens, etc. The details the few garden and medicinal plant number are listed below:

Name of the regional centre	Number of medicinal plants conserved
Botanic Garden Of Indian Republic, Noida	138
Andaman & Nicobar Regional Centre, Port Blair	120
Arunachal Pradesh Regional Centre, Itanagar	21

Northern Regional Centre, Dehradun	290
Arid Zone Regional Centre, jodhpur	27

(c) Whether the Government proposes to establish any research centre in West Bengal;

Answer: Not available with BSI

(d) If so, the details thereof along with the details of on going projects pertaining to medicinal plants; and

Answer: Not Applicable

(e) If not, the reasons therefor?

Answer: Not Applicable

4/3/2023

● Email

Technical Section BSI

Fwd: Lok Sabha Starred Diary No. 6549 regarding "Setting up of Research Centres for Medicinal Plants" for 04/08/2023 -reg.

From : PRABHU SUBRAMANI <p.subramani@gov.in>

Fri, Jul 28, 2023 06:07 PM

Subject : Fwd: Lok Sabha Starred Diary No. 6549 regarding "Setting up of Research Centres for Medicinal Plants" for 04/08/2023 -reg.

2 attachments

To : Ashiho Asosii Mao <hq@bsi.gov.in>, Technical Section BSI <tech@bsi.gov.in>, Dr. B Balaji <secretary@nba.nic.in>

Mr. S. Subramani
for his ref.
31/7/23

Cc : Ved Prakash Mishra <mishra.vp@gov.in>

Sir/Madam,

Please refer OM no H-11016/01/2023-24-NMPB-IV dated 28th July, 2023 received from the National Medicinal Plant Board, Ministry of Ayush regarding Lok Sabha Starred diary No. 6549 – 'Setting up of Research Centres for Medicinal Plants' for 04/08/2023 for inputs from the Ministry (copy is enclosed).

It is requested that the part-wise information of the above-said question may kindly be furnished to the undersigned in hard as well as soft copy in MS WORD format latest by **31.07.2023** positively.

This may be treated as **Most urgent**.

With regards,

Dr. S. Prabhu
Scientist - D
CS (Medicinal Plants)
MoEFCC, New Delhi.

From: "Parliament Section" <parlsec-mef@nic.in>

To: "PRABHU SUBRAMANI" <p.subramani@gov.in>

Cc: "Satya Prakash" <satya.prakash79@nic.in>, "Abhimanyu Kumar Sharma" <ak.sharma79@nic.in>

Sent: Friday, July 28, 2023 5:06:52 PM

Subject: Fwd: Lok Sabha Starred Diary No. 6549 regarding "Setting up of Research Centres for Medicinal Plants" for 04/08/2023 -reg.

From: "Ms Leena Nandan" <secy-moef@nic.in>

To: "Parliament Section" <parlsec-mef@nic.in>

Cc: "Mr Satyajit Mishra" <satyajit.mishra@nic.in>

Sent: Friday, July 28, 2023 5:04:44 PM

TECHNICAL SECTION, OFFICE OF DIRECTOR, BSI,	
Dy. No.	T-285
Date	31.07.2023

Subject: Fwd: Lok Sabha Starred Diary No. 6549 regarding "Setting up of Research Centres for Medicinal Plants" for 04/08/2023 -reg.

O/o Secretary
M/o Environment, Forest & Climate Change
Tel.No.20819308/20819408
Fax No.20819238

From: "Dr.Bidhan Mahajon" <dr.bidhan@gov.in>

To: "Dr(Mr) Himanshu Pathak" <dg.icar@nic.in>, "Ashwani Kumar" <jsadmn-agri@gov.in>, "Chandra Prakash Goyal" <cpgoyal@nic.in>, "Director General CSIR" <dg@csir.res.in>, "Director General CSIR" <dgcsir@csir.res.in>, "Secretary DSIR" <secy-dsir@gov.in>, "DG ICMR" <secy-dg@icmr.gov.in>, "Rabinarayan Acharya" <dg-ccras@nic.in>, ccrhindia@gmail.com, unanimedicine@gmail.com, ccrschennai@gmail.com, "icmrhqds" <icmrhqds@sansad.nic.in>, "Anju Bhalla" <anju_bhalla@nic.in>, "Ms Leena Nandan" <secy-moef@nic.in>, "Itakpa jigmet" <ltakpa.jigmet@gov.in>, "Chandrabhan Dhruw" <bioresource-dbt@dbt.nic.in>, "Parliament Cell" <parl@csir.res.in>, ccrh@del3.vsnl.net.in, ccrhpq@gmail.com, "manish das" <manish.das@icar.gov.in>, "Dr Raman Mohan Singh" <dir.pcmh-ayush@gov.in>, "Manoj Bapna" <manojb12365-cgo@gov.in>, "Renu sharma" <renu.sharma16@gov.in>, "parliamentreply ccras" <parliamentreply.ccras@gmail.com>

Cc: "Prof. Tanuja Nesari" <ceo-nmpb@nic.in>, "Dy. CEO NMPB Mo AYUSH" <dyceo-nmpb@nic.in>, "Murugeswaran R" <dr.murugesw.nmpb@gov.in>, "Patrick Xalxo" <patrick.x@gov.in>

Sent: Friday, July 28, 2023 4:43:14 PM

Subject: Lok Sabha Starred Diary No. 6549 regarding "Setting up of Research Centres for Medicinal Plants" for 04/08/2023 -reg.

Sir/Madam,

Please find enclosed Lok Sabha Starred Diary No. 6549 regarding "**Setting up of Research Centres for Medicinal Plants**" for 04/08/2023. It is requested that the part-wise information of the above said question may kindly be furnished to the undersigned in hard as well as soft copy in MSWORD format (Email: dr.bidhan@gov.in / info-nmpb@nic.in) latest by **31/07/2023. (FN)** positively. This may be treated as most urgent.

With Sincere Regards

Dr. Bidhan Mahajon, MD (Ay), Ph.D.
Research Officer (Ayurveda)
National Medicinal Plants Board (NMPB)
Ministry of Ayush
Government of India
Indian Red Cross Society (IRCS)
Annexe Building, 1st & 2nd floor, 1 Red Cross Road, New Delhi-110001

75
Azadi Ka
Amrit Mahotsav



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75
Azadi Ka
Amrit Mahotsav



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— LSQ6549.pdf
675 KB

H-11016/01/2023-24-NMPB-IV
Ministry of AYUSH
National Medicinal Plant Board

1st Floor, IRCS, Annexe Building,
Near Indian Red Cross Society,
Red Cross Road, New Delhi-110001
Date: - 28/07/2023

OFFICE MEMORANDUM

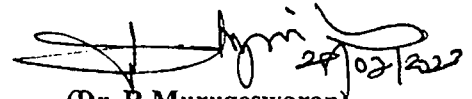
Subject: Lok Sabha Starred Diary No. 6549 for 04/08/2023 regarding 'Setting up of Research Centres for Medicinal Plants'.

The undersigned is directed to refer to the above said Lok Sabha Question as reproduced hereunder:

Will the Minister of Ayush be pleased to state:

- (a) whether the Government has established any research centres to promote research and development on medicinal plants, State/UT-wise;
- (b) if so, details thereof?
- (c) whether the Government proposes to establish any research centre in West Bengal;
- (d) if so, the details thereof alongwith the details of ongoing projects pertaining to medicinal plants; and
- (e) if not, the reasons therefor?

2. It is requested that the part-wise information of the above said question may kindly be furnished to the undersigned in hard as well as soft copy in MSWORD format (Email: dr.bidhan@gov.in / info-nmpb@nic.in) latest by 31/07/2023 (FN) positively. This may be treated as **MOST URGENT**.


(Dr. R Murugeswaran)
Deputy Adviser (MPs)

To,

- 1) Secretary (DARE) & Directory General (ICAR), Krishi Bhawan, New Delhi – 110001.
(Tel:01123382629), 23386711: Email: dg.icar@nic.in
- 2) Secretary (EF&CC), Ministry of Environment, Forest and Climate Change, Indira Paryavaran Bhawan, Jorbagh Road New Delhi – 110003, Email: secy-moef@nic.in, Itakpa.jigmet@gov.in
- 3) Joint Secretary, Department of Science & Technology, Technology Bhawan, New Mehrauli Road, New Delhi – 110016 (Tel: 011-26516077), Email: anju_bhalla@nic.in

- 4) Joint Secretary (Parliament), Ministry of Agriculture & Farmers Welfare, Krishi Bhawan, Dr. Rajendra Prasad Road, New Delhi – 110001 (Tel: 011-23385595, Email: sthakur@nic.in)
- 5) Joint Secretary, Department of Bio-technology, CGO Complex, Lodhi Road, New Delhi-110003 (Tel: 011-24362982, Email: cpgoyal@nic.in)
- 6) Director General, CSIR, Anusandhan Bhawan, 2 Rafi Ahmed Kidwai Marg, New Delhi – 110001 (Tel: 011-23710472, 23717053, Email: dg@csir.res.in, dgcsir@csir.res.in, secy-dsir@gov.in, parl@csir.res.in)
- 7) Director General, Indian Council of Medical Research (ICMR), V. Ramalingaswami Bhawan, P.O. Box No. 4911, Ansari Nagar, New Delhi – 110029, India (Tel: 011-26588204, Email: secy-dg@icmr.gov.in) icmrhqds@sansad.nic.in
- 8) Director General, Central Council for Research and Ayurvedic Sciences (CCRAS), 61-65, Institutional Area, Opp. D. Block, Janakpuri, New Delhi – 110058.
- 9) Director General, Central Council for Research in Unani Medicine, 61-65, Institutional Area, Opp. D. Block, Janakpuri, New Delhi – 110058.
- 10) Director General, Central Council for Research in Homeopathy, 61-65, Institutional Area, Opp. D. Block, Janakpuri, New Delhi – 110058.
- 11) Central Council for Research in Siddha, Tambaram Sanatorium, GST Road, Chennai – 600 047, India, Email: ccrschennai@gmail.com
- 12) Director, Ministry of Tribal Affairs, Room no.401, B-Wing, 4th Floor, Shastri Bhawan, New Delhi-110001, manojb12365-cgo@gov.in, renu.sharma16@gov.in.
- 13) Director, Pharmacopoeia Commission for Indian Medicine & Homoeopathy (PCIM& H), Kamla Nehru Nagar, Ghaziabad (UP), NCR Delhi INDIA – 201002, dir.pcimh-ayush@gov.in



FW 403294843 IN



स्पीड पोस्ट / SPEED POST



भारत सरकार

GOVERNMENT OF INDIA

पर्यावरण, वन एवं जलवायु परिवर्तन मंत्रालय

MINISTRY OF ENVIRONMENT, FOREST & CLIMATE CHANGE

भारतीय वनस्पति सर्वेक्षण / BOTANICAL SURVEY OF INDIA

सी.जी.ओ. कॉम्प्लेक्स / CGO COMPLEX

तृतीय एम. एस.ओ. भवन / 3RD MSO BUILDINGपाँचवाँ और छठा तल / 5TH & 6TH FLOOR

डीएफ ब्लॉक, सेक्टर 1 / DF BLOCK, SECTOR I

साल्ट लेक, कोलकाता-६४ / SALT LAKE, KOLKATA - 700064

Tel.: (033) 2321 4050 [Tech. Section]; E-mail: tech@bsi.gov.inफाइल संख्या / File No.: BSI-286/1 (Parl.) / 2023 -Tech.
सेवामें / Toदिनांक / Date : 1st December, 2023

The Secretary

Ministry of Environment, Forest and Climate Change

Indira Paryavaran Bhawan, Jor Bagh Road

New Delhi - 110003

(Kind attention: Ms. Geeta Bhatnagar, Under Secretary (CS-II), MoEF&CC, New Delhi)

Subject: Lok Sabha Unstarred Diary No. 2789 for 08/12/2023 regarding 'Research Study on Medicinal Plants'- reg.

महोदया / Madam,

With reference to the email received on 30.11.2023 vide letter no. H-11016/23/2023-24 dated 30.11.2023, due for answer on 08.12.2023 regarding "Cultivation of Traditional and Herbal Medicinal Plants"-reg., I am directed to inform that the parliamentary questions sought under the Lok Sabha Unstarred Question Diary No. 2789 does not pertain to BSI. Therefore, the reply from the BSI may be treated as NIL.

This issues with the approval of Director, Botanical Survey of India.

धन्यवाद / Thanking you,

भवदीय / Yours sincerely

(एस. एस. दाश / S. S. Dash)
वैज्ञानिक एफ / Scientist 'F'

(प्रभारी, तकनीकी अनुभाग / In-charge, Tech. Section)

Copy to:

Deputy Adviser (MPs), National Medicinal Plant Board, 1st Floor, IRCS, Annexe Building, Near Indian Red Cross Society, Red Cross Road, New Delhi - 110001 (Email: info-nmpb@nic.in) for information.

FW 403294891 IN

1763-1764
प्रेषित / DESPATCHED
4-12-23
Azadi Ka
Amrit Mahotsav



TECHNICAL SECTION
DISPATCHED
No. T 7675-1676
Date: 01.12.2023



Email

Technical Section BSI

Re: Fwd-Lok Sabha Unstarred Question Diary No. 2789 for answer on 08.12.2023 regarding "Cultivation of Traditional and Herbal Medicinal Plants" – reg.

From : Technical Section BSI <tech@bsi.gov.in> Fri, Dec 01, 2023 06:51 PM
Subject : Re: Fwd-Lok Sabha Unstarred Question Diary No. 2789 for answer on 08.12.2023 regarding "Cultivation of Traditional and Herbal Medicinal Plants" – reg. 📎 1 attachment
To : kavita tyagi <kavita.tyagi@nic.in>, Ministry of AYUSH <info-nmpb@nic.in>, sobsi2012 <sobsi2012@gmail.com>, Dr. Priti Singh <priti.singh@gov.in>
Cc : Ashiho Asosii <aamao@bsi.gov.in>, Dr Sudhansu Sekhar Dash <:ssdash@bsi.gov.in>, Umeshkumar L. Tiwari <ukltiwari@bsi.gov.in>

Sir,

In reference to the above subject, please see the attached file containing the reply from BSI on Lok Sabha Starred diary No. 2789 - 'Cultivation of Traditional and Herbal Medicinal Plants' to be answered on 08.12.2023.

Thanking You

.....
Technical Section

Botanical Survey of India, HQ

Salt Lake City, Kolkata - 700 064

Emails: *tech@bsi.gov.in ; tech.bsi2021@gmail.com*

From: "Dr. Priti Singh" <priti.singh@gov.in>
To: "Technical Section BSI" <tech@bsi.gov.in>, "Dr Sudhansu Sekhar Dash" <:ssdash@bsi.gov.in>
Cc: "Naresh Pal Gangwar" <asnpg.mefcc@gov.in>, "Ved Prakash Mishra" <mishra.vp@gov.in>, "kavita tyagi" <kavita.tyagi@nic.in>, "Ashiho Asosii" <aamao@bsi.gov.in>
Sent: Friday, December 1, 2023 11:17:10 AM
Subject: Fwd-Lok Sabha Unstarred Question Diary No. 2789 for answer on 08.12.2023 regarding "Cultivation of Traditional and Herbal Medicinal Plants" – reg.

Sir,

Kindly refer to trailing mail from Ministry of Ayush seeking inputs for Parliament Question.

In this regard, BSI is requested to kindly provide inputs directly to Ministry of Ayush urgently under intimation to this Ministry.

From: "Parliament Section" <parlsec-mef@nic.in>
To: "Ved Prakash Mishra" <mishra.vp@gov.in>, "Dr. Priti Singh" <priti.singh@gov.in>

Cc: "Mr Satyajit Mishra" <satyajit.mishra@nic.in>, "rakesh sharma67" <rakesh.sharma67@nic.in>

Sent: Thursday, November 30, 2023 6:41:01 PM

Subject: Fwd: Lok Sabha Unstarred Question Diary No. 2789 for answer on 08.12.2023 regarding "Cultivation of Traditional and Herbal Medicinal Plants" – reg.

From: "kavita tyagi" <kavita.tyagi@nic.in>

To: "Shubha Thakur" <sthakur@nic.in>, "pqdac.krishi" <pqdac.krishi@nic.in>, "SOMANATH AGASIMANI" <drsomanath.agasimani@gov.in>, "AA SREEKANTH, Under Secretary (RC)" <aa.sreekanth@nic.in>, "Muslim.T.R" <muslim.tr@nic.in>, "GC/Parliament" <pqrd@nic.in>, midhaap@gmail.com, "Manoj Kumar" <manojias2008@nic.in>, "harit shakya" <harit.shakya@nic.in>, midhaab@gmail.com, "MD, NHB" <md@nhb.gov.in>, "Parliament Section" <parlsec-mef@nic.in>, "Pankaj Kumar" <pankaj.kr93@gov.in>, "Pankaj Kumar" <pankaj.mopr@nic.in>

Sent: Thursday, November 30, 2023 4:06:43 PM

Subject: Lok Sabha Unstarred Question Diary No. 2789 for answer on 08.12.2023 regarding "Cultivation of Traditional and Herbal Medicinal Plants" – reg.

Sir / Madam,

Kindly find the attachment regarding the subject cited above and furnish the information latest by **04.00 PM on 01.12.2023**

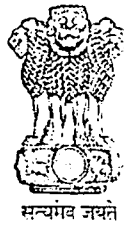
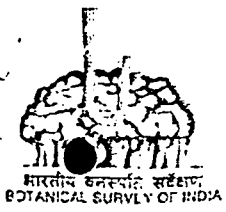
With regards,

Dr. Kavita Tyagi,
Sr. Consultant,
National Medicinal Plants Board,
Ministry of Ayush



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— Lok Sabha 2789.pdf
360 KB



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भारतीय वनस्पति सर्वेक्षण/BOTANICAL SURVEY OF INDIA
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पाँचवाँ और छठा तल/ 5TH & 6TH FLOOR
डीएफ ब्लॉक, सेक्टर 1/ DF BLOCK, SECTOR I
साल्टलेक, कोलकाता-६४/ SALT LAKE, KOLKATA - 700064
Tel.: (033) 2321 4050 [Tech. Section]; E-mail: tech@bsi.gov.in

फाइलसंख्या/ File No.: BSI-286/1 (Parl.) / 2023 -Tech.
सेवामें / To

दिनांक/Date : 1st December, 2023

The Secretary
Ministry of Environment, Forest and Climate Change
Indira Paryavaran Bhawan, Jor Bagh Road
New Delhi - 110003

(Kind attention: Ms. Geeta Bhatnagar, Under Secretary (CS-II), MoEF&CC, New Delhi)

Subject: Lok Sabha Unstarred Diary No. 2789 for 08/12/2023 regarding 'Research Study on Medicinal Plants'- reg.

महोदया/ Madam,

With reference to the email received on 30.11.2023 vide letter no. H-11016/23/2023-24 dated 30.11.2023, due for answer on 08.12.2023 regarding "Cultivation of Traditional and Herbal Medicinal Plants"-reg., I am directed to inform that the parliamentary questions sought under the Lok Sabha Unstarred Question Diary No. 2789 does not pertain to BSI. Therefore, the reply from the BSI may be treated as NIL.

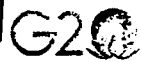
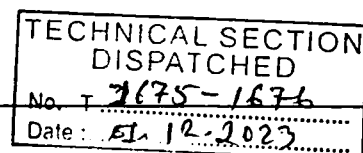
This issues with the approval of Director, Botanical Survey of India.
धन्यवाद/ Thanking you,

भवदीय/Yours sincerely

(S.S. Dash)
(एस. एस. दाश / S. S. Dash)
वैज्ञानिक एफ/ Scientist 'F'
(प्रभारी, तकनीकी अनुभाग / In-charge, Tech. Section)

Copy to:

Deputy Adviser (MPs), National Medicinal Plant Board, 1st Floor, IRCS, Annexe Building, Near Indian Red Cross Society, Red Cross Road, New Delhi - 110001 (Email: info-nmpb@nic.in) for information.



Email

Technical Section BSI

Fwd-Lok Sabha Unstarred Question Diary No. 2789 for answer on 08.12.2023 regarding "Cultivation of Traditional and Herbal Medicinal Plants" – reg.

From : Dr. Priti Singh <priti.singh@gov.in>
Subject : Fwd-Lok Sabha Unstarred Question Diary No. 2789 for answer on 08.12.2023 regarding "Cultivation of Traditional and Herbal Medicinal Plants" – reg.
To : Technical Section BSI <tech@bsi.gov.in>, Dr Sudhansu Sekhar Dash <ssdash@bsi.gov.in>
Cc : Naresh Pal Gangwar <asnpg.mefcc@gov.in>, Ved Prakash Mishra <mishra.vp@gov.in>, kavita tyagi <kavita.tyagi@nic.in>, Ashiho Asosii <aamao@bsi.gov.in>

Fri, Dec 01, 2023 11:21 AM

1 attachment

Dr. Subhas Chandra Mishra
 Put up with
 01/12/23

Ms. Sinchita pl. do.
 needful pl.
 01/12/23

Sir,

Kindly refer to trailing mail from Ministry of Ayush seeking inputs for Parliament Question.

In this regard, BSI is requested to kindly provide inputs directly to Ministry of Ayush urgently under intimation to this Ministry.

From: "Parliament Section" <parlsec-mef@nic.in>
To: "Ved Prakash Mishra" <mishra.vp@gov.in>, "Dr. Priti Singh" <priti.singh@gov.in>
Cc: "Mr Satyajit Mishra" <satyajit.mishra@nic.in>, "rakesh sharma67" <rakesh.sharma67@nic.in>
Sent: Thursday, November 30, 2023 6:41:01 PM
Subject: Fwd: Lok Sabha Unstarred Question Diary No. 2789 for answer on 08.12.2023 regarding "Cultivation of Traditional and Herbal Medicinal Plants" – reg.

TECHNICAL SECTION, OFFICE OF SECRETARY, BSI.
Dr. No. T-49
Date 01.12.2023

From: "kavita tyagi" <kavita.tyagi@nic.in>
To: "Shubha Thakur" <sthakur@nic.in>, "pqdac.krishi" <pqdac.krishi@nic.in>, "SOMANATH AGASIMANI" <drsomanath.agasimani@gov.in>, "A A SREEKANTH, Under Secretary (RC)" <aa.sreekanth@nic.in>, "Muslim.T.R" <muslim.tr@nic.in>, "GC/Parliament" <pqrd@nic.in>, midhaap@gmail.com, "Manoj Kumar" <manojias2008@nic.in>, "harit shakya" <harit.shakya@nic.in>, midhaab@gmail.com, "MD, NHB" <md@nhb.gov.in>, "Parliament Section" <parlsec-mef@nic.in>, "Pankaj Kumar" <pankaj.kr93@gov.in>, "Pankaj Kumar" <pankaj.mopr@nic.in>
Sent: Thursday, November 30, 2023 4:06:43 PM
Subject: Lok Sabha Unstarred Question Diary No. 2789 for answer on 08.12.2023 regarding "Cultivation of Traditional and Herbal Medicinal Plants" – reg.

Sir / Madam,

Kindly find the attachment regarding the subject cited above and furnish the information latest by **04.00 PM on 01.12.2023**

With regards,

Dr. Kavita Tyagi,
Sr. Consultant,
National Medicinal Plants Board,
Ministry of Ayush



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 **LSQ Dy. No. 2789 for 8.12.23.pdf**
606 KB

F. No. H-11016/23/2023-24-NMPB-II
Government of India
Ministry of Ayush
National Medicinal Plants Board (NMPB)

1st & 2nd Floor, Annexe Building,
Near Indian Red Cross Society,
Red Cross Road, New Delhi – 110001
E-mail: kavita.tyagi@nic.in
Dated: 30th November, 2023

OFFICE MEMORANDUM

Subject: Lok Sabha Unstarred Question Diary No. 2789 for answer on 08.12.2023 regarding “Cultivation of Traditional and Herbal Medicinal Plants” – reg.

The undersigned is directed to refer to the above said Lok Sabha Unstarred Question Diary No. 2789 for answer on 08.12.2023 reproduced hereunder:

- (a) whether the Government has identified any area/land to cultivate traditional and herbal medicinal plants for manufacturing herbal medicines and drugs across the country;
 - (b) if so, the details thereof, State/UT-wise;
 - (c) whether any area/land has been identified for the same in Uttar Pradesh including Kushinagr district and western Uttar Pradesh; and
 - (d) if so, the details thereof and if not, the reasons therefor?
2. It is requested that part-wise reply/ information to the said question may kindly be furnished to the undersigned, in hard as well as soft copy (kavita.tyagi@nic.in) latest by 04.00 PM on 01.12.2023.



(Dr. R. Murugeswaran)
Deputy Adviser (MPs)

To

1. Smt. Shuba Thakur, Joint Secretary (Parliament), Ministry of Agriculture & Farmers Welfare, Krishi Bhavan, Dr. Rajendra Prasad Road, New Delhi, 110001 (Tel: 011-23383744/ 23386031 / 23386268/23389831, Email: sthakur@nic.in; pqdac.krishi@nic.in, drsomanath.agasimani@gov.in, rpsingh.15863@gov.in)
2. Joint Secretary, Ministry of Rural Development, Government of India, Krishi Bhavan, Dr. Rajendra Prasad Road, New Delhi – 110001 (Shri A. A. Sreekanth, US (GC/Parliament), Tele: 011-23070978, Email: aa.sreekanth@nic.in, Sh. Om Prakash, SO, 011-23386412, Shri Muslim T. R., SO (GC/Parliament), Tele: 23782502, Email: muslim.tr@nic.in, pqrd@nic.in)
3. Director, Mission for Integrated Development of Horticulture, Ministry of Agriculture and Farmers Welfare, 248A, Krishi Bhawan, Dr. Rajendra Prasad Road, New Delhi, 110001 (Tel: 23382383, Email: midhaap@gmail.com, manojias2008@nic.in, harit.shakya@nic.in, midhaab@gmail.com, kn.verma@nic.in, mrityunjaya.m@nic.in, Tel: 011-23388795 / 23388474 / 23074238/23382383, Sh. Harit Shakya, US, 23388795, 9568759661)

4. Managing Director, National Horticulture Board, Ministry of Agriculture and Farmers Welfare, Government of India, 85, Institutional Area, Sector-18, Gurugram, 122015 (Haryana) (Tel: 0124-2342992, Email: md@nhb.gov.in)
5. Mr. Rajeev Mathur, Section Officer, Parliament section, Ministry of Environment, Forests and Climate Change, Indira Paryavaran Bhawan, Jor Bagh Road, New Delhi 03 (Email: parlsec-mef@nic.in Tel: 011-24695332)
6. Assistant Section Officer, Ministry of Panchayati Raj, 9th Floor, Jeevan Bharti Building, Connaught Place, New Delhi – 11001; Email: pankaj.kr93@gov.in, pankaj.mopr@nic.in, Tel: 011-23725309
7. All desks of NMPB / SMPBs / SHMs / RCFCs /Others.



EW 403294843 IN



स्पीड पोस्ट / SPEED POST



भारतसरकार
GOVERNMENT OF INDIA
पर्यावरण, वन एवं जलवायु परिवर्तन मंत्रालय
MINISTRY OF ENVIRONMENT, FOREST & CLIMATE CHANGE

भारतीय वनस्पति सर्वेक्षण / BOTANICAL SURVEY OF INDIA
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डीएफ ब्लॉक, सेक्टर 1 / DF BLOCK, SECTOR I
साल्ट लेक, कोलकाता-६४ / SALT LAKE, KOLKATA - 700064
Tel.: (033) 2321 4050 [Tech. Section]; E-mail: tech@bsi.gov.in

फाइल संख्या / File No.: BSI-286/1 (Parl.) / 2023 - Tech.
सेवामें / To

दिनांक / Date : 1st December, 2023

The Secretary
Ministry of Environment, Forest and Climate Change
Indira Paryavaran Bhawan, Jor Bagh Road
New Delhi - 110003

(Kind attention: Ms. Geeta Bhatnagar, Under Secretary (CS-II), MoEF&CC, New Delhi)

Subject: Lok Sabha Unstarred Diary No. 2789 for 08/12/2023 regarding 'Research Study on Medicinal Plants'- reg.

महोदया / Madam,

With reference to the email received on 30.11.2023 vide letter no. H-11016/23/2023-24 dated 30.11.2023, due for answer on 08.12.2023 regarding "Cultivation of Traditional and Herbal Medicinal Plants"-reg., I am directed to inform that the parliamentary questions sought under the Lok Sabha Unstarred Question Diary No. 2789 does not pertain to BSI. Therefore, the reply from the BSI may be treated as NIL.

This issues with the approval of Director, Botanical Survey of India.

धन्यवाद / Thanking you,

भवदीय / Yours sincerely

(एस. एस. दाश / S. S. Dash)
वैज्ञानिक एफ / Scientist 'F'
(प्रभारी, तकनीकी अनुभाग / In-charge, Tech. Section)

Copy to:

Deputy Adviser (MPs), National Medicinal Plant Board, 1st Floor, IRCS, Annexe Building, Near Indian Red Cross Society, Red Cross Road, New Delhi - 110001 (Email: info-nmpb@nic.in) for information.

EW 403294891 IN

1763-1764
प्रेषित / DESPATCHED
4-12-23
Azadi Ka
Amrit Mahotsav



TECHNICAL SECTION
DISPATCHED
No. T 7675-1676
Date: 01.12.2023



Email

Technical Section BSI

Re: Fwd-Lok Sabha Unstarred Question Diary No. 2789 for answer on 08.12.2023 regarding "Cultivation of Traditional and Herbal Medicinal Plants" – reg.

From : Technical Section BSI <tech@bsi.gov.in> Fri, Dec 01, 2023 06:51 PM
Subject : Re: Fwd-Lok Sabha Unstarred Question Diary No. 2789 for answer on 08.12.2023 regarding "Cultivation of Traditional and Herbal Medicinal Plants" – reg. 📎 1 attachment
To : kavita tyagi <kavita.tyagi@nic.in>, Ministry of AYUSH <info-nmpb@nic.in>, sobsi2012 <sobsi2012@gmail.com>, Dr. Priti Singh <priti.singh@gov.in>
Cc : Ashiho Asosii <aamao@bsi.gov.in>, Dr Sudhansu Sekhar Dash <:ssdash@bsi.gov.in>, Umeshkumar L. Tiwari <ukltiwari@bsi.gov.in>

Sir,

In reference to the above subject, please see the attached file containing the reply from BSI on Lok Sabha Starred diary No. 2789 - 'Cultivation of Traditional and Herbal Medicinal Plants' to be answered on 08.12.2023.

Thanking You

.....
Technical Section

Botanical Survey of India, HQ

Salt Lake City, Kolkata - 700 064

Emails: *tech@bsi.gov.in ; tech.bsi2021@gmail.com*

From: "Dr. Priti Singh" <priti.singh@gov.in>
To: "Technical Section BSI" <tech@bsi.gov.in>, "Dr Sudhansu Sekhar Dash" <:ssdash@bsi.gov.in>
Cc: "Naresh Pal Gangwar" <asnpg.mefcc@gov.in>, "Ved Prakash Mishra" <mishra.vp@gov.in>, "kavita tyagi" <kavita.tyagi@nic.in>, "Ashiho Asosii" <aamao@bsi.gov.in>
Sent: Friday, December 1, 2023 11:17:10 AM
Subject: Fwd-Lok Sabha Unstarred Question Diary No. 2789 for answer on 08.12.2023 regarding "Cultivation of Traditional and Herbal Medicinal Plants" – reg.

Sir,

Kindly refer to trailing mail from Ministry of Ayush seeking inputs for Parliament Question.

In this regard, BSI is requested to kindly provide inputs directly to Ministry of Ayush urgently under intimation to this Ministry.

From: "Parliament Section" <parlsec-mef@nic.in>
To: "Ved Prakash Mishra" <mishra.vp@gov.in>, "Dr. Priti Singh" <priti.singh@gov.in>

Cc: "Mr Satyajit Mishra" <satyajit.mishra@nic.in>, "rakesh sharma67" <rakesh.sharma67@nic.in>

Sent: Thursday, November 30, 2023 6:41:01 PM

Subject: Fwd: Lok Sabha Unstarred Question Diary No. 2789 for answer on 08.12.2023 regarding "Cultivation of Traditional and Herbal Medicinal Plants" – reg.

From: "kavita tyagi" <kavita.tyagi@nic.in>

To: "Shubha Thakur" <sthakur@nic.in>, "pqdac.krishi" <pqdac.krishi@nic.in>, "SOMANATH AGASIMANI" <drsomanath.agasimani@gov.in>, "AA SREEKANTH, Under Secretary (RC)" <aa.sreekanth@nic.in>, "Muslim.T.R" <muslim.tr@nic.in>, "GC/Parliament" <pqrd@nic.in>, midhaap@gmail.com, "Manoj Kumar" <manojias2008@nic.in>, "harit shakya" <harit.shakya@nic.in>, midhaab@gmail.com, "MD, NHB" <md@nhb.gov.in>, "Parliament Section" <parlsec-mef@nic.in>, "Pankaj Kumar" <pankaj.kr93@gov.in>, "Pankaj Kumar" <pankaj.mopr@nic.in>

Sent: Thursday, November 30, 2023 4:06:43 PM

Subject: Lok Sabha Unstarred Question Diary No. 2789 for answer on 08.12.2023 regarding "Cultivation of Traditional and Herbal Medicinal Plants" – reg.

Sir / Madam,

Kindly find the attachment regarding the subject cited above and furnish the information latest by **04.00 PM on 01.12.2023**

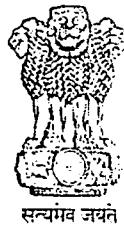
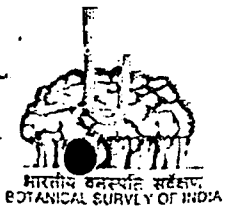
With regards,

Dr. Kavita Tyagi,
Sr. Consultant,
National Medicinal Plants Board,
Ministry of Ayush



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Lok Sabha 2789.pdf
360 KB



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साल्टलेक, कोलकाता-६४/SALT LAKE, KOLKATA - 700064
Tel.: (033) 2321 4050 [Tech. Section]; E-mail: tech@bsi.gov.in

फाइलसंख्या/ File No.: BSI-286/1 (Parl.) / 2023 -Tech.
सेवामें / To

दिनांक/Date : 1st December, 2023

The Secretary
Ministry of Environment, Forest and Climate Change
Indira Paryavaran Bhawan, Jor Bagh Road
New Delhi - 110003

(Kind attention: Ms. Geeta Bhatnagar, Under Secretary (CS-II), MoEF&CC, New Delhi)

Subject: Lok Sabha Unstarred Diary No. 2789 for 08/12/2023 regarding 'Research Study on Medicinal Plants'- reg.

महोदया/ Madam,

With reference to the email received on 30.11.2023 vide letter no. H-11016/23/2023-24 dated 30.11.2023, due for answer on 08.12.2023 regarding "Cultivation of Traditional and Herbal Medicinal Plants"-reg., I am directed to inform that the parliamentary questions sought under the Lok Sabha Unstarred Question Diary No. 2789 does not pertain to BSI. Therefore, the reply from the BSI may be treated as NIL.

This issues with the approval of Director, Botanical Survey of India.
धन्यवाद/ Thanking you,

भवदीय/Yours sincerely

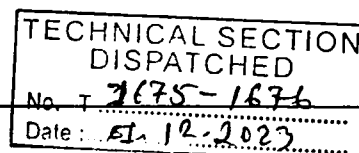

(एस. एस. दाश / S. S. Dash)

वैज्ञानिक एफ/ Scientist 'F'

(प्रभारी, तकनीकी अनुभाग / In-charge, Tech. Section)

Copy to:

Deputy Adviser (MPs), National Medicinal Plant Board, 1st Floor, IRCS, Annexe Building, Near Indian Red Cross Society, Red Cross Road, New Delhi - 110001 (Email: info-nmpb@nic.in) for information.



Email

Technical Section BSI

Fwd-Lok Sabha Unstarred Question Diary No. 2789 for answer on 08.12.2023 regarding "Cultivation of Traditional and Herbal Medicinal Plants" – reg.

From : Dr. Priti Singh <priti.singh@gov.in>

Fri, Dec 01, 2023 11:21 AM

Subject : Fwd-Lok Sabha Unstarred Question Diary No. 2789 for answer on 08.12.2023 regarding "Cultivation of Traditional and Herbal Medicinal Plants" – reg.

1 attachment

To : Technical Section BSI <tech@bsi.gov.in>, Dr Sudhansu Sekhar Dash <ssdash@bsi.gov.in>

Cc : Naresh Pal Gangwar <asnpg.mefcc@gov.in>, Ved Prakash Mishra <mishra.vp@gov.in>, kavita tyagi <kavita.tyagi@nic.in>, Ashiho Asosii <aamao@bsi.gov.in>

Dr. Subhaspathy f.w. 12/1/23
Put us in
01/12/23

Ms. Sinchita pl. do.
needful pl.
01/12/23

Sir,

Kindly refer to trailing mail from Ministry of Ayush seeking inputs for Parliament Question.

In this regard, BSI is requested to kindly provide inputs directly to Ministry of Ayush urgently under intimation to this Ministry.

From: "Parliament Section" <parlsec-mef@nic.in>

To: "Ved Prakash Mishra" <mishra.vp@gov.in>, "Dr. Priti Singh" <priti.singh@gov.in>

Cc: "Mr Satyajit Mishra" <satyajit.mishra@nic.in>, "rakesh sharma67" <rakesh.sharma67@nic.in>

Sent: Thursday, November 30, 2023 6:41:01 PM

Subject: Fwd: Lok Sabha Unstarred Question Diary No. 2789 for answer on 08.12.2023 regarding "Cultivation of Traditional and Herbal Medicinal Plants" – reg.

TECHNICAL SECTION, OFFICE OF SECRETARY, BSI.
Dy. No. T-49
Date 01.12.2023

From: "kavita tyagi" <kavita.tyagi@nic.in>

To: "Shubha Thakur" <sthakur@nic.in>, "pqdac.krishi" <pqdac.krishi@nic.in>, "SOMANATH AGASIMANI" <drsomanath.agasimani@gov.in>, "A A SREEKANTH, Under Secretary (RC)" <aa.sreekanth@nic.in>, "Muslim.T.R" <muslim.tr@nic.in>, "GC/Parliament" <pqrd@nic.in>, midhaap@gmail.com, "Manoj Kumar" <manojias2008@nic.in>, "harit shakya" <harit.shakya@nic.in>, midhaab@gmail.com, "MD, NHB" <md@nhb.gov.in>, "Parliament Section" <parlsec-mef@nic.in>, "Pankaj Kumar" <pankaj.kr93@gov.in>, "Pankaj Kumar" <pankaj.mopr@nic.in>

Sent: Thursday, November 30, 2023 4:06:43 PM

Subject: Lok Sabha Unstarred Question Diary No. 2789 for answer on 08.12.2023 regarding "Cultivation of Traditional and Herbal Medicinal Plants" – reg.

Sir / Madam,

Kindly find the attachment regarding the subject cited above and furnish the information latest by **04.00 PM on 01.12.2023**

With regards,

Dr. Kavita Tyagi,
Sr. Consultant,
National Medicinal Plants Board,
Ministry of Ayush



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— **LSQ Dy. No. 2789 for 8.12.23.pdf**
606 KB

F. No. H-11016/23/2023-24-NMPB-II
Government of India
Ministry of Ayush
National Medicinal Plants Board (NMPB)

1st & 2nd Floor, Annexe Building,
Near Indian Red Cross Society,
Red Cross Road, New Delhi – 110001
E-mail: kavita.tyagi@nic.in
Dated: 30th November, 2023

OFFICE MEMORANDUM

Subject: Lok Sabha Unstarred Question Diary No. 2789 for answer on 08.12.2023 regarding “Cultivation of Traditional and Herbal Medicinal Plants” – reg.

The undersigned is directed to refer to the above said Lok Sabha Unstarred Question Diary No. 2789 for answer on 08.12.2023 reproduced hereunder:

- (a) whether the Government has identified any area/land to cultivate traditional and herbal medicinal plants for manufacturing herbal medicines and drugs across the country;
 - (b) if so, the details thereof, State/UT-wise;
 - (c) whether any area/land has been identified for the same in Uttar Pradesh including Kushinagar district and western Uttar Pradesh; and
 - (d) if so, the details thereof and if not, the reasons therefor?
2. It is requested that part-wise reply/ information to the said question may kindly be furnished to the undersigned, in hard as well as soft copy (kavita.tyagi@nic.in) latest by 04.00 PM on 01.12.2023.



(Dr. R. Murugeswaran)
Deputy Adviser (MPs)

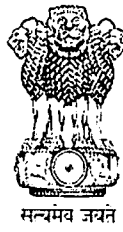
To

1. Smt. Shuba Thakur, Joint Secretary (Parliament), Ministry of Agriculture & Farmers Welfare, Krishi Bhavan, Dr. Rajendra Prasad Road, New Delhi, 110001 (Tel: 011-23383744/ 23386031 / 23386268/23389831, Email: sthakur@nic.in; pqdac.krishi@nic.in; drsomanath.agasimani@gov.in; rpsingh.15863@gov.in)
2. Joint Secretary, Ministry of Rural Development, Government of India, Krishi Bhavan, Dr. Rajendra Prasad Road, New Delhi – 110001 (Shri A. A. Sreekanth, US (GC/Parliament), Tel: 011-23070978, Email: aa.sreekanth@nic.in, Sh. Om Prakash, SO, 011-23386412, Shri Muslim T. R., SO (GC/Parliament), Tel: 23782502, Email: muslim.tr@nic.in, pqrd@nic.in)
3. Director, Mission for Integrated Development of Horticulture, Ministry of Agriculture and Farmers Welfare, 248A, Krishi Bhawan, Dr. Rajendra Prasad Road, New Delhi, 110001 (Tel: 23382383, Email: midhaap@gmail.com, manojias2008@nic.in, harit.shakya@nic.in, midhaab@gmail.com, kn.verma@nic.in, mrityunjaya.m@nic.in, Tel: 011-23388795 / 23388474 / 23074238/23382383, Sh. Harit Shakya, US, 23388795, 9568759661)

4. Managing Director, National Horticulture Board, Ministry of Agriculture and Farmers Welfare, Government of India, 85, Institutional Area, Sector-18, Gurugram, 122015 (Haryana) (Tel: 0124-2342992, Email: md@nhb.gov.in)
5. Mr. Rajeev Mathur, Section Officer, Parliament section, Ministry of Environment, Forests and Climate Change, Indira Paryavaran Bhawan, Jor Bagh Road, New Delhi 03 (Email: parlsec-mef@nic.in Tel: 011-24695332)
6. Assistant Section Officer, Ministry of Panchayati Raj, 9th Floor, Jeevan Bharti Building, Connaught Place, New Delhi – 11001; Email: pankaj.kr93@gov.in, pankaj.mopr@nic.in, Tel: 011-23725309
7. All desks of NMPB / SMPBs / SHMs / RCFCs /Others.



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MINISTRY OF ENVIRONMENT, FOREST & CLIMATE CHANGE



सत्यमेव जयते

स्पीड पोस्ट / SPEED POST



भारतीय वनस्पति सर्वेक्षण / BOTANICAL SURVEY OF INDIA
सी.जी.ओ. कॉम्प्लेक्स / CGO COMPLEX
तृतीय एम. एस. ओ. भवन / 3RD MSO BUILDING
पाँचवाँ और छठा तल / 5TH & 6TH FLOOR
डी एफ ब्लॉक, सेक्टर 1 / DF BLOCK, SECTOR 1
साल्टलेक, कोलकाता-६४ / SALT LAKE, KOLKATA - 700064
Tel.: (033) 2321 4050 [Tech. Section] ; E-mail: tech@bsi.gov.in

फाइलसंख्या/ File No.: BSI- 286/1 (Parl.) / 2023 -Tech.

दिनांक/Date : 1st December, 2023

सेवामें / To

The Secretary

Ministry of Environment, Forest and Climate Change
Indira Paryavaran Bhawan, Jor Bagh Road
New Delhi - 110003

(Kind attention: Ms. Geeta Bhatnagar, Under Secretary, MoEF&CC, New Delhi)

Subject: Lok Sabha Starred Diary No. 2370 for 08/12/2023 regarding 'Research Study on Medicinal Plants'- reg.

महोदया/ Madam,

With reference to the email received on 30.11.2023 vide letter no. H-11016/11/2023-24, dated 30.12.2023 regarding 'Research Study on Medicinal Plants', I am directed to inform that the parliamentary questions sought under the **Diary No. 2370 for 08/12/2023** does not pertain to BSI. Therefore, the reply from the BSI may be treated as NIL.

This issues with the approval of Director, Botanical Survey of India.

सधन्यवाद/ Thanking you,

भवदीय/Yours sincerely

(Signature)
11/12/2023

(एस. एस. दाश / S. S. Dash)

वैज्ञानिकएफ/ Scientist 'F'

(प्रभारी, तकनीकीअनुभाग / In- charge, Tech. Section)

Copy to:

Deputy Adviser (MPs), National Medicinal Plant Board, 1st Floor, IRCS, Annexe Building, Near Indian Red Cross Society, Red Cross Road, New Delhi - 110001 (Email: info-nmpb@nic.in) for information.

Ew 403294891 IN

1759-60
प्रेषित / DESPATCHED
4-12-23

TECHNICAL SECTION
DISPATCHED
No. T-1664-1665
Date: 01.12.2023

2000

100-443887-100

CONFIDENTIAL

Email

Technical Section BSI

Re: Lok Sabha Starred Diary No. 2370 regarding "Research study on Medicinal Plants" for 08/12/2023 -reg.

From : Technical Section BSI <tech@bsi.gov.in> Fri, Dec 01, 2023 06:15 PM
Subject : Re: Lok Sabha Starred Diary No. 2370 regarding "Research study on Medicinal Plants" for 08/12/2023 -reg. 📎 1 attachment
To : Ministry of AYUSH <info-nmpb@nic.in>, Dr. Priti Singh <priti.singh@gov.in>, sobsi2012 <sobsi2012@gmail.com>
Cc : Dr Sudhansu Sekhar Dash <:ssdash@bsi.gov.in>, Umeshkumar L. Tiwari <ukltiwari@bsi.gov.in>

Sir,

In reference to the above subject, please see the attached file containing the reply from BSI on Lok Sabha Starred diary No. 2370 - 'Research study on Medicinal Plants' to be answered on 08.12.2023.

Thanking You

.....
Technical Section

Botanical Survey of India, HQ

Salt Lake City, Kolkata - 700 064

Emails: *tech@bsi.gov.in ; tech.bsi2021@gmail.com*

From: "Dr. Priti Singh" <priti.singh@gov.in>
To: "Technical Section BSI" <tech@bsi.gov.in>, "Dr Sudhansu Sekhar Dash" <:ssdash@bsi.gov.in>, "Ashiho Asosii" <aamao@bsi.gov.in>
Cc: "Naresh Pal Gangwar" <asnpg.mefcc@gov.in>, "Ved Prakash Mishra" <mishra.vp@gov.in>, "Dr.Bidhan Mahajon" <dr.bidhan@gov.in>, "Mr Satyajit Mishra" <satyajit.mishra@nic.in>
Sent: Friday, December 1, 2023 4:23:18 PM
Subject: Fwd: Lok Sabha Starred Diary No. 2370 regarding "Research study on Medicinal Plants" for 08/12/2023 -reg.

Sir,

Kindly refer to trailing mail from Ministry of Ayush regarding Parliament question.

BSI is requested to provide inputs directly to Ministry of Ayush urgently under intimation to this ministry.

From: "Parliament Section" <parlsec-mef@nic.in>
To: "Ved Prakash Mishra" <mishra.vp@gov.in>, "Dr. Priti Singh" <priti.singh@gov.in>

Cc: "Naresh Pal Gangwar" <asnpg.mefcc@gov.in>, "Mr Satyajit Mishra" <satyajit.mishra@nic.in>, "rakesh sharma67" <rakesh.sharma67@nic.in>, "Abhimanyu Kumar Sharma" <ak.sharma79@nic.in>, "Dr.Bidhan Mahajon" <dr.bidhan@gov.in>
Sent: Friday, December 1, 2023 1:43:28 PM
Subject: Fwd: Lok Sabha Starred Diary No. 2370 regarding "Research study on Medicinal Plants" for 08/12/2023 -reg.

From: "Ms Leena Nandan" <secy-moef@nic.in>
To: "Parliament Section" <parlsec-mef@nic.in>
Cc: "Mr Satyajit Mishra" <satyajit.mishra@nic.in>
Sent: Friday, December 1, 2023 12:00:44 PM
Subject: Fwd: Lok Sabha Starred Diary No. 2370 regarding "Research study on Medicinal Plants" for 08/12/2023 -reg.

Office of Secretary
Ministry of Environment, Forest and Climate Change
4th Floor, Prithvi Wing
Indira Paryavaran Bhawan
Jor Bagh Road, New Delhi - 110003
Tel.No.: +91-11-20819308
 +91-11-20819408
Fax No.: +91-11-20819238

From: "Dr.Bidhan Mahajon" <dr.bidhan@gov.in>
To: "Ashwani Kumar" <jsadmn-agri@gov.in>, "Chandra Prakash Goyal" <cpgoyal@nic.in>, "Director General CSIR" <dg@csir.res.in>, "Director General CSIR" <dgcsir@csir.res.in>, "Secretary DSIR" <secy-dsir@gov.in>, "DG ICMR" <secy-dg@icmr.gov.in>, "Rabinarayan Acharya" <dg-ccras@nic.in>, ccrhindia@gmail.com, unanimedicine@gmail.com, ccrschennai@gmail.com, "icmrhqds" <icmrhqds@sansad.nic.in>, "Ms Leena Nandan" <secy-moef@nic.in>, "Itakpa jigmet" <ltakpa.jigmet@gov.in>, "Chandrabhan Dhruw" <bioresource-dbt@dbt.nic.in>, "Parliament Cell" <parl@csir.res.in>, ccrh@del3.vsnl.net.in, ccrhpq@gmail.com, "manish das" <manish.das@icar.gov.in>, "Manoj Bapna" <manojb12365-cgo@gov.in>, "Renu sharma" <renu.sharma16@gov.in>, "parliamentreply ccras" <parliamentreply.ccras@gmail.com>, madhudikshit@thsti.res.in, "A Dhanalakshmi" <a.dhanalakshmi@nic.in>, "Anju Bhalla" <anju_bhalla@nic.in>
Cc: "Prof. Tanuja Nesari" <ceo-nmpb@nic.in>, "Dy. CEO NMPB Mo AYUSH" <dyceo-nmpb@nic.in>, "Murugeswaran R" <dr.murugesw.nmpb@gov.in>, "Patrick Xalxo" <patrick.x@nic.in>
Sent: Friday, December 1, 2023 11:44:40 AM
Subject: Lok Sabha Starred Diary No. 2370 regarding "Research study on Medicinal Plants" for 08/12/2023 -reg.

REMINDER MOST URGENT

Sir/Madam,

Please find enclosed Lok Sabha Starred Diary No. 2370 regarding "Research study on Medicinal Plants" for 08/12/2023. It is requested that the part-wise information of the above said question may kindly be furnished to the

undersigned in hard as well as soft copy in MSWORD format (Email: dr.bidhan@gov.in / info-nmpb@nic.in) latest by **01/12/2023 by 11:00 am** positively. This may be treated as most urgent.

--

With Sincere Regards

Dr. Bidhan Mahajon, MD (Ay), Ph.D.

Research Officer (Ayurveda)

National Medicinal Plants Board (NMPB)

Ministry of Ayush

Government of India

Indian Red Cross Society (IRCS)

Annexe Building, 1st & 2nd floor, 1 Red Cross Road, New Delhi-110001



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Secretqary (01.12.23).pdf
76 KB

Email

Technical Section BSI

Fwd: Lok Sabha Starred Diary No. 2370 regarding "Research study on Medicinal Plants" for 08/12/2023 -reg.

From : Dr. Priti Singh <priti.singh@gov.in>
Subject : Fwd: Lok Sabha Starred Diary No. 2370 regarding "Research study on Medicinal Plants" for 08/12/2023 -reg.
To : Technical Section BSI <tech@bsi.gov.in>
Cc : Ved Prakash Mishra <mishra.vp@gov.in>

Thu, Nov 30, 2023 03:54 PM

2 attachments

Dr. Sushil Kumar Singh
 01/12/23

Sneha

Mr. Prakash

Sushil
 01/12/2023

Sir,

Kindly refer to trailing mail with regard to Parliament Question.
 In this regard, BSI is requested to provide inputs to Ministry of Ayush under intimation to this Ministry.

From: "Parliament Section" <parlsec-mef@nic.in>
To: "Ved Prakash Mishra" <mishra.vp@gov.in>, "Dr. Priti Singh" <priti.singh@gov.in>
Cc: "Naresh Pal Gangwar" <asnpg.mefcc@gov.in>, "Mr Satyajit Mishra" <satyajit.mishra@nic.in>, "rakesh sharma67" <rakesh.sharma67@nic.in>
Sent: Thursday, November 30, 2023 1:58:35 PM
Subject: Fwd: Lok Sabha Starred Diary No. 2370 regarding "Research study on Medicinal Plants" for 08/12/2023 -reg.

From: "Ms Leena Nandan" <secy-moef@nic.in>
To: "Parliament Section" <parlsec-mef@nic.in>
Cc: "Mr Satyajit Mishra" <satyajit.mishra@nic.in>
Sent: Thursday, November 30, 2023 11:55:41 AM
Subject: Fwd: Lok Sabha Starred Diary No. 2370 regarding "Research study on Medicinal Plants" for 08/12/2023 -reg.

Office of Secretary
 Ministry of Environment, Forest and Climate Change
 4th Floor, Prithvi Wing
 Indira Paryavaran Bhawan
 Jor Bagh Road, New Delhi - 110003
 Tel.No.: +91-11-20819308
 +91-11-20819408
 Fax No.: +91-11-20819238

TECHNICAL SECTION, OFFICE OF DIRECTOR, BSI,	
Dy. No.	T-46
Date	01.12.2023

From: "Dr.Bidhan Mahajan" <dr.bidhan@gov.in>
To: "Dr(Mr) Himanshu Pathak" <dg.icar@nic.in>, "Ashwani Kumar" <jsadmn-

agri@gov.in>, "Chandra Prakash Goyal" <cpgoyal@nic.in>, "Director General CSIR" <dg@csir.res.in>, "Director General CSIR" <dgcsir@csir.res.in>, "Secretary DSIR" <secy-dsir@gov.in>, "DG ICMR" <secy-dg@icmr.gov.in>, "Rabinarayan Acharya" <dg-ccras@nic.in>, ccrhindia@gmail.com, unanimedicine@gmail.com, ccrschennai@gmail.com, "icmrhqds" <icmrhqds@sansad.nic.in>, "Anju Bhalla" <anju_bhalla@nic.in>, "Ms Leena Nandan" <secy-moef@nic.in>, "Itakpa jigmet" <Itakpa.jigmet@gov.in>, "Chandrabhan Dhruw" <bioresource-dbt@dbt.nic.in>, "Parliament Cell" <parl@csir.res.in>, ccrh@del3.vsnl.net.in, ccrhpq@gmail.com, "manish das" <manish.das@icar.gov.in>, "Dr Raman Mohan Singh" <dir.pcmh-ayush@gov.in>, "Manoj Bapna" <manojb12365-cgo@gov.in>, "Renu sharma" <renu.sharma16@gov.in>, "parliamentreply ccras" <parliamentreply.ccras@gmail.com>, madhudikshit@thsti.res.in
Cc: "Prof. Tanuja Nesari" <ceo-nmpb@nic.in>, "Dy. CEO NMPB Mo AYUSH" <dyceo-nmpb@nic.in>, "Murugeswaran R" <dr.murugesw.nmpb@gov.in>, "Patrick Xalxo" <patrick.x@nic.in>

Sent: Thursday, November 30, 2023 11:44:24 AM

Subject: Lok Sabha Starred Diary No. 2370 regarding "Research study on Medicinal Plants" for 08/12/2023 -reg.

MOST URGENT

Sir/Madam,

Please find enclosed Lok Sabha Starred Diary No. 2370 regarding **"Research study on Medicinal Plants" for 08/12/2023**. It is requested that the part-wise information of the above said question may kindly be furnished to the undersigned in hard as well as soft copy in MSWORD format (Email: dr.bidhan@gov.in / info-nmpb@nic.in) latest by **01/12/2023 by 11:00 am** positively. This may be treated as most urgent.

--

With Sincere Regards

Dr. Bidhan Mahajan, MD (Ay), Ph.D.

Research Officer (Ayurveda)

National Medicinal Plants Board (NMPB)

Ministry of Ayush

Government of India

Indian Red Cross Society (IRCS)

Annexe Building, 1st & 2nd floor, 1 Red Cross Road, New Delhi-110001



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Azadi Ka
Amrit Mahotsav



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— **LSQ DY 2370 Other Ministries_0001.pdf**
647 KB

H-11016/11/2023-24-NMPB-IV
Ministry of AYUSH
National Medicinal Plant Board

1st Floor, IRCS, Annexe Building,
Near Indian Red Cross Society,
Red Cross Road, New Delhi-110001
Date: - 30/12/2023

OFFICE MEMORANDUM

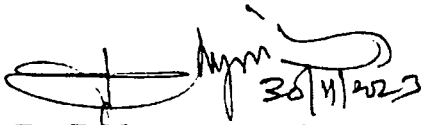
Subject: Lok Sabha Starred Diary No. 2370 for 08/12/2023 regarding 'Research Study on Medicinal Plants'.

The undersigned is directed to refer to the above said Lok Sabha Question as reproduced hereunder:

Will the Minister of Ayush be pleased to state:

- (a) whether the Government has commissioned any recent research study on medicinal plants for their uses to treat modern diseases and if so, details thereof;
- (b) whether the Government is aware of the research study published in the World Journal of Diabetes, evidence-based trials in natural products that could lead to the development of "novel drugs in the modern management of diabetes" with over 400 medicinal plants present in nature having the potential to combat Type-2 diabetes;
- (c) if so, whether the Government has taken/proposed to take any steps to generate more research on this in view of the increasing number of diabetic patients in India; and
- (d) if so, the details thereof?

2. It is requested that the part-wise information of the above said question may kindly be furnished to the undersigned in hard as well as soft copy in MSWORD format alongwith **supplementary notes** (Email: dr.bidhan@gov.in / info-nmpb@nic.in) latest by tomorrow 01/12/2023 (FN) positively. This may be treated as **MOST URGENT**.

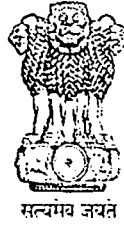
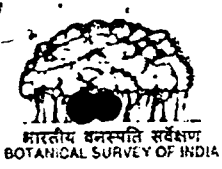

(Dr. R Murugeswaran)
Deputy Adviser (MPs)

To,

1) Secretary (DARE) & Directory General (ICAR), Krishi Bhawan, New Delhi – 110001.
(Tel:01123382629), 23386711: Email: dg.icar@nic.in

2) Secretary (EF&CC), Ministry of Environment, Forest and Climate Change, Indira Paryavaran Bhawan, Jorbagh Road New Delhi – 110003, Email: secy-moef@nic.in,
Itakpa.jigmet@gov.in

- 3) Joint Secretary, Department of Science & Technology, Technology Bhawan, New Mehrauli Road, New Delhi – 110016 (Tel: 011-26516077), Email: anju_bhalla@nic.in
- 4) Joint Secretary (Parliament), Ministry of Agriculture & Farmers Welfare, Krishi Bhawan, Dr. Rajendra Prasad Road, New Delhi – 110001 (Tel: 011-23385595, Email: sthakur@nic.in)
- 5) Joint Secretary, Department of Bio-technology, CGO Complex, Lodhi Road, New Delhi-110003 (Tel: 011-24362982, Email: cpgoyal@nic.in)
- 6) Director General, CSIR, Anusandhan Bhawan, 2 Rafi Ahmed Kidwai Marg, New Delhi – 110001 (Tel: 011-23710472, 23717053, Email: dg@csir.res.in, dgcslr@csir.res.in, secy-dsir@gov.in, parl@csir.res.in)
- 7) Director General, Indian Council of Medical Research (ICMR), V. Ramalingaswami Bhawan, P.O. Box No. 4911, Ansari Nagar, New Delhi – 110029, India (Tel: 011-26588204, Email: secy-dg@icmr.gov.in) icmrhqds@sansad.nic.in
- 8) Director General, Central Council for Research and Ayurvedic Sciences (CCRAS), 61-65, Institutional Area, Opp. D. Block, Janakpuri, New Delhi – 110058.
- 9) Director General, Central Council for Research in Unani Medicine, 61-65, Institutional Area, Opp. D. Block, Janakpuri, New Delhi – 110058.
- 10) Director General, Central Council for Research in Homeopathy, 61-65, Institutional Area, Opp. D. Block, Janakpuri, New Delhi – 110058.
- 11) Central Council for Research in Siddha, Tambaram Sanatorium, GST Road, Chennai – 600 047, India, Email: ccrschennai@gmail.com
- 12) Director, Pharmacopoeia Commission for Indian Medicine & Homoeopathy (PCIM& H), Kamla Nehru Nagar, Ghaziabad (UP), NCR Delhi INDIA – 201002, dir.pcimh-ayush@gov.in



भारत सरकार
GOVERNMENT OF INDIA
पर्यावरण, वन एवं जलवायु परिवर्तन मंत्रालय
MINISTRY OF ENVIRONMENT, FOREST & CLIMATE CHANGE

भारतीय वनस्पति सर्वेक्षण / BOTANICAL SURVEY OF INDIA
सी.जी.ओ. कॉम्प्लेक्स / CGO COMPLEX
तृतीय एम. एस. ओ. भवन / 3RD MSO BUILDING
पाँचवाँ और छठा तल / 5TH & 6TH FLOOR
डी एफ ब्लॉक, सेक्टर 1 / DF BLOCK, SECTOR I
साल्टलेक, कोलकाता-६४ / SALT LAKE, KOLKATA - 700064
Tel.: (033) 2321 4050 [Tech. Section] ; E-mail: tech@bsi.gov.in

फाइलसंख्या/ File No.: BSI- 286/1 (Parl.) / 2023 -Tech.

दिनांक/Date : 1st December, 2023

सेवामें / To

The Secretary
Ministry of Environment, Forest and Climate Change
Indira Paryavaran Bhawan, Jor Bagh Road
New Delhi - 110003

(Kind attention: Ms. Geeta Bhatnagar, Under Secretary, MoEF&CC, New Delhi)

Subject: Lok Sabha Starred Diary No. 2370 for 08/12/2023 regarding 'Research Study on Medicinal Plants'- reg.

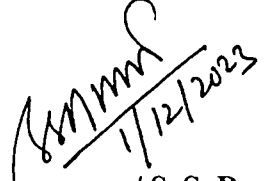
महोदया/ Madam,

With reference to the email received on 30.11.2023 vide letter no. H-11016/11/2023-24, dated 30.12.2023 regarding 'Research Study on Medicinal Plants', I am directed to inform that the parliamentary questions sought under the Diary No. 2370 for 08/12/2023 does not pertain to BSI. Therefore, the reply from the BSI may be treated as NIL.

This issues with the approval of Director, Botanical Survey of India.

सधन्यवाद/ Thanking you,

भवदीय/Yours sincerely

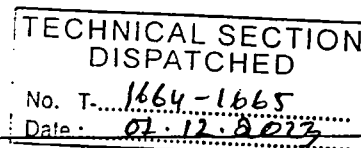

(एस. एस. दाश / S. S. Dash)

वैज्ञानिक/ Scientist 'F'

(प्रभारी, तकनीकी अनुभाग / In- charge, Tech. Section)

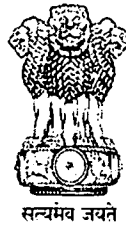
Copy to:

Deputy Adviser (MPs), National Medicinal Plant Board, 1st Floor, IRCS, Annexe Building, Near Indian Red Cross Society, Red Cross Road, New Delhi - 110001 (Email: info-nmpb@nic.in) for information.





भारत सरकार
GOVERNMENT OF INDIA
पर्यावरण, वन एवं जलवायु परिवर्तन मंत्रालय
MINISTRY OF ENVIRONMENT, FOREST & CLIMATE CHANGE



भारतीय वनस्पति सर्वेक्षण / BOTANICAL SURVEY OF INDIA
सी.जी.ओ. कॉम्प्लेक्स / CGO COMPLEX
तृतीय एम. एस. ओ. भवन / 3RD MSO BUILDING
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डी एफ ब्लॉक, सेक्टर 1 / DF BLOCK, SECTOR I
साल्टलेक, कोलकाता-६४ / SALT LAKE, KOLKATA - 700064
Tel.: (033) 2321 4050 [Tech. Section] ; E-mail: tech@bsi.gov.in

फाइलसंख्या/ File No.: BSI- 286/1 (Parl.) / 2023 -Tech.

दिनांक/Date : 1st December, 2023

सेवामें / To

The Secretary
Ministry of Environment, Forest and Climate Change
Indira Paryavaran Bhawan, Jor Bagh Road
New Delhi - 110003

(Kind attention: Ms. Geeta Bhatnagar, Under Secretary, MoEF&CC, New Delhi)

Subject: Lok Sabha Starred Diary No. 2370 for 08/12/2023 regarding 'Research Study on Medicinal Plants'- reg.

महोदया/ Madam,

With reference to the email received on 30.11.2023 vide letter no. H-11016/11/2023-24, dated 30.12.2023 regarding 'Research Study on Medicinal Plants', I am directed to inform that the parliamentary questions sought under the Diary No. 2370 for 08/12/2023 does not pertain to BSI. Therefore, the reply from the BSI may be treated as NIL.

This issues with the approval of Director, Botanical Survey of India.

सधन्यवाद/ Thanking you,

भवदीय/Yours sincerely

Approved
S. S. Dash
01/12/2023

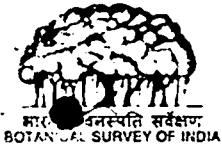
(एस. एस. दाश / S. S. Dash)

वैज्ञानिक/ Scientist 'F'

(प्रभारी, तकनीकीअनुभाग / In- charge, Tech. Section)

Copy to:

Deputy Adviser (MPs), National Medicinal Plant Board, 1st Floor, IRCS, Annexe Building, Near Indian Red Cross Society, Red Cross Road, New Delhi - 110001 (Email: info-nmpb@nic.in) for information.



भारत सरकार

GOVERNMENT OF INDIA

पर्यावरण, वन एवं जलवायु परिवर्तन मंत्रालय

MINISTRY OF ENVIRONMENT, FOREST & CLIMATE CHANGE



सत्यमेव जयते

सुद ते / SPEED POST



भारतीय वनस्पति सर्वेक्षण / BOTANICAL SURVEY OF INDIA

सी.जी.ओ. कॉम्प्लेक्स / CGO COMPLEX

तृतीय एम. एस. ओ. भवन / 3RD MSO BUILDING

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साल्टलेक, कोलकाता-६४ / SALT LAKE, KOLKATA - 700064

Tel.: (033) 2321 4050 [Tech. Section] ; E-mail: tech@bsi.gov.in

फाइलसंख्या/ File No.: BSI- 286/1 (Parl.) / 2023 -Tech.

दिनांक/Date : 5th December, 2023

सेवामें / To

The Secretary

Ministry of Environment, Forest and Climate Change

Indira Paryavaran Bhawan, Jor Bagh Road

New Delhi - 110003

(Kind attention: Dr. Priti Singh, Scientist D, MoEF&CC, New Delhi)

Subject: Lok Sabha Admitted Unstarred Question No. 1094 for 08/12/2023 regarding 'Research Study on Medicinal Plants'- reg.

महोदया/ Madam,

With reference to the email received on 05.12.2023 vide letter no. H-11016/11/2023-24, NMPB – IV, dated 04.12.2023 regarding 'Research Study on Medicinal Plants', I am directed to inform that the parliamentary questions sought under the Question No. 1094 for 08/12/2023 does not pertain to BSI. Therefore, the reply from the BSI may be treated as NIL.

This issues with the approval of Director, Botanical Survey of India.

सधन्यवाद/ Thanking you,

भवदीय/Yours sincerely

(S. S. Dash)
5/12/2023

(एस. एस. दाश / S. S. Dash)

वैज्ञानिकएफ/ Scientist 'F'

(प्रभारी, तकनीकीअनुभाग / In- charge, Tech. Section)

Copy to:

Dr. R. Murugeswaran, Deputy Adviser (MPs), National Medicinal Plant Board, 1st Floor, IRCS, Annexe Building, Near Indian Red Cross Society, Red Cross Road, New Delhi - 110001 (Email: dr.bidhan@gov.in; info-nmpb@nic.in) for information.

1779-80
1783-1784
11-12-23
Azadi Ka
Amrit Mahotsav



TECH. SECTION
DISPATCHED
No. T-1783-1784
Date: 05.12.2023



Email

Technical Section BSI

Re: Lok Sabha admitted UnStarred Q No. 1094 regarding "Research study on Medicinal Plants" for 08/12/2023 -reg.

From : Technical Section BSI <tech@bsi.gov.in>

Tue, Dec 05, 2023 02:28 PM

Subject : Re: Lok Sabha admitted UnStarred Q No. 1094 regarding "Research study on Medicinal Plants" for 08/12/2023 -reg.

2 attachments

To : Dr. Priti Singh <priti.singh@gov.in>, Dr.Bidhan Mahajon <dr.bidhan@gov.in>, Ministry of AYUSH <info-nmpb@nic.in>, sobsi2012 <sobsi2012@gmail.com>

Cc : Ashiho Asosii <aamao@bsi.gov.in>, Dr Sudhansu Sekhar Dash <:ssdash@bsi.gov.in>

Madam,

With reference to the email received on 05.12.2023 *vide* letter no. H-11016/11/2023-24, NMPB – IV, dated 04.12.2023 regarding '**Research Study on Medicinal Plants**', it is to inform that the parliamentary questions sought under the **Question No. 1094 for 08/12/2023** does not pertain to BSI. Therefore, the reply from the BSI may be treated as **NIL**.

A signed copy of the letter is attached herewith.

Thanking You,

.....
Technical Section

Botanical Survey of India, HQ

Salt Lake City, Kolkata - 700 064

Emails: *tech@bsi.gov.in ; tech.bsi2021@gmail.com*

From: "Dr. Priti Singh" <priti.singh@gov.in>

To: "Technical Section BSI" <tech@bsi.gov.in>, "Dr Sudhansu Sekhar Dash" <:ssdash@bsi.gov.in>, "Ashiho Asosii" <aamao@bsi.gov.in>

Cc: "Parliament Section" <parlsec-mef@nic.in>, "Ved Prakash Mishra" <mishra.vp@gov.in>, "Dr.Bidhan Mahajon" <dr.bidhan@gov.in>

Sent: Tuesday, December 5, 2023 11:12:00 AM

Subject: Fwd: Lok Sabha admitted UnStarred Q No. 1094 regarding "Research study on Medicinal Plants" for 08/12/2023 -reg.

Sir,

Kindly refer to trailing mail from Ministry of Ayush regarding Parliament Question.

In this regard, BSI is requested to provide inputs directly to Ministry of Ayush (dr.bidhan@gov.in) urgently under intimation to this ministry.

From: "Parliament Section" <parlsec-mef@nic.in>
To: "Ved Prakash Mishra" <mishra.vp@gov.in>, "Dr. Priti Singh" <priti.singh@gov.in>
Cc: "rakesh sharma67" <rakesh.sharma67@nic.in>
Sent: Tuesday, December 5, 2023 9:46:41 AM
Subject: Fwd: Lok Sabha admitted UnStarred Q No. 1094 regarding "Research study on Medicinal Plants" for 08/12/2023 -reg.

From: "Ms Leena Nandan" <secy-moef@nic.in>
To: "Mr Satyajit Mishra" <satyajit.mishra@nic.in>, "Parliament Section" <parlsec-mef@nic.in>
Sent: Tuesday, December 5, 2023 9:16:32 AM
Subject: Fwd: Lok Sabha admitted UnStarred Q No. 1094 regarding "Research study on Medicinal Plants" for 08/12/2023 -reg.

Office of Secretary
Ministry of Environment, Forest and Climate Change
4th Floor, Prithvi Wing
Indira Paryavaran Bhawan
Jor Bagh Road, New Delhi - 110003
Tel.No.: +91-11-20819308
 +91-11-20819408
Fax No.: +91-11-20819238

From: "Dr.Bidhan Mahajon" <dr.bidhan@gov.in>
To: "Dr(Mr) Himanshu Pathak" <dg.icar@nic.in>, "Ashwani Kumar" <jsadmn-agri@gov.in>, "Chandra Prakash Goyal" <cpogoyal@nic.in>, "Director General CSIR" <dg@csir.res.in>, "Director General CSIR" <dgcsir@csir.res.in>, "Secretary DSIR" <secy-dsir@gov.in>, "DG ICMR" <secy-dg@icmr.gov.in>, "Rabinarayan Acharya" <dg-ccras@nic.in>, ccrhindia@gmail.com, unanimedicine@gmail.com, ccrschennai@gmail.com, "icmrhqds" <icmrhqds@sansad.nic.in>, "Ms Leena Nandan" <secy-moef@nic.in>, "Itakpa jigmet" <Itakpa.jigmet@gov.in>, "Chandrabhan Dhruw" <bioresource-dbt@dbt.nic.in>, "Parliament Cell" <parl@csir.res.in>, ccrh@del3.vsnl.net.in, ccrhpq@gmail.com, "manish das" <manish.das@icar.gov.in>, "Dr Raman Mohan Singh" <dir.pcimh-ayush@gov.in>, "Manoj Bapna" <manojb12365-cgo@gov.in>, "Renu sharma" <renu.sharma16@gov.in>, "parliamentreply ccras" <parliamentreply.ccras@gmail.com>, madhudikshit@thsti.res.in, "A Dhanalakshmi" <a.dhanalakshmi@nic.in>
Cc: "Prof. Tanuja Nesari" <ceo-nmpb@nic.in>, "Dy. CEO NMPB Mo AYUSH" <dyceo-nmpb@nic.in>, "Murugeswaran R" <dr.murugesw.nmpb@gov.in>, "Patrick Xalxo" <patrick.x@nic.in>
Sent: Monday, December 4, 2023 7:15:57 PM
Subject: Lok Sabha admitted UnStarred Q No. 1094 regarding "Research study on Medicinal Plants" for 08/12/2023 -reg.

MOST URGENT

Sir/Madam,

Please find enclosed Lok Sabha admitted UnStarred Q No. 1094 regarding "**Research study on Medicinal Plants**" for 08/12/2023. It is requested that the part-wise information of the above said question may kindly be furnished to the

undersigned in hard as well as soft copy in MSWORD format (Email: dr.bidhan@gov.in / info-nmpb@nic.in) latest by **04/12/2023** positively. This may be treated as most urgent.

--

With Sincere Regards

Dr. Bidhan Mahajan, MD (Ay), Ph.D.

Research Officer (Ayurveda)

National Medicinal Plants Board (NMPB)

Ministry of Ayush

Government of India

Indian Red Cross Society (IRCS)

Annexe Building, 1st & 2nd floor, 1 Red Cross Road, New Delhi-110001

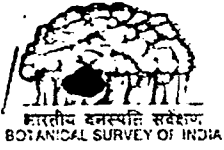


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 **Secretary MoEF (Parl) 05.12.23.pdf**
113 KB

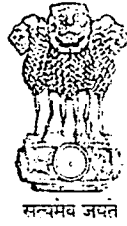


भारत सरकार

GOVERNMENT OF INDIA

पर्यावरण, वन एवं जलवायु परिवर्तन मंत्रालय

MINISTRY OF ENVIRONMENT, FOREST & CLIMATE CHANGE



सत्यमेव जयते



भारतीय वनस्पति सर्वेक्षण / BOTANICAL SURVEY OF INDIA

सी.जी.ओ. कॉम्प्लेक्स / CGO COMPLEX

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साल्टलेक, कोलकाता-६४ / SALT LAKE, KOLKATA - 700064

Tel.: (033) 2321 4050 [Tech. Section] ; E-mail: tech@bsi.gov.in

फाइलसंख्या/ File No.: BSI- 286/1 (Parl.) / 2023 -Tech.

दिनांक/Date : 5th December, 2023

सेवामें / To

The Secretary

Ministry of Environment, Forest and Climate Change

Indira Paryavaran Bhawan, Jor Bagh Road

New Delhi - 110003

(Kind attention: Dr. Priti Singh, Scientist D, MoEF&CC, New Delhi)

Subject: Lok Sabha Admitted Unstarred Question No. 1094 for 08/12/2023 regarding 'Research Study on Medicinal Plants'- reg.

महोदया/ Madam,

With reference to the email received on 05.12.2023 vide letter no. H-11016/11/2023-24, NMPB – IV, dated 04.12.2023 regarding 'Research Study on Medicinal Plants', I am directed to inform that the parliamentary questions sought under the Question No. 1094 for 08/12/2023 does not pertain to BSI. Therefore, the reply from the BSI may be treated as NIL.

This issues with the approval of Director, Botanical Survey of India.

सधन्यवाद/ Thanking you,

भवदीय/Yours sincerely

(Signature)
5/12/2023

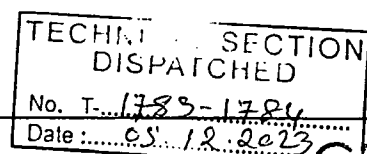
(एस. एस. दाश / S. S. Dash)

वैज्ञानिकएफ/ Scientist 'F'

(प्रभारी, तकनीकीअनुभाग / In- charge, Tech. Section)

Copy to:

Dr. R. Murugeswaran, Deputy Adviser (MPs), National Medicinal Plant Board, 1st Floor, IRCS, Annexe Building, Near Indian Red Cross Society, Red Cross Road, New Delhi - 110001 (Email: dr.bidhan@gov.in; info-nmpb@nic.in) for information.



Email

Technical Section BSI

Fwd: Lok Sabha admitted UnStarred Q No. 1094 regarding "Research study on Medicinal Plants" for 08/12/2023 -reg.

From : Dr. Priti Singh <priti.singh@gov.in>

Tue, Dec 05, 2023 11:13 AM

Subject : Fwd: Lok Sabha admitted UnStarred Q No. 1094 regarding "Research study on Medicinal Plants" for 08/12/2023 -reg.

2 attachments

To : Technical Section BSI <tech@bsi.gov.in>, Dr Sudhansu Sekhar Dash <ssdash@bsi.gov.in>, Ashiho Asosii <aamao@bsi.gov.in>

Cc : Parliament Section <parlsec-mef@nic.in>, Ved Prakash Mishra <mishra.vp@gov.in>, Dr.Bidhan Mahajon <dr.bidhan@gov.in>

Sir,

Kindly refer to trailing mail from Ministry of Ayush regarding Parliament Question.

In this regard, BSI is requested to provide inputs directly to Ministry of Ayush (dr.bidhan@gov.in) urgently under intimation to this ministry.

Indu
5/12/2023

Sri D

Dr Priti Singh
Sri D, MEF for CC

From: "Parliament Section" <parlsec-mef@nic.in>

To: "Ved Prakash Mishra" <mishra.vp@gov.in>, "Dr. Priti Singh" <priti.singh@gov.in>

Cc: "rakesh sharma67" <rakesh.sharma67@nic.in>

Sent: Tuesday, December 5, 2023 9:46:41 AM

Subject: Fwd: Lok Sabha admitted UnStarred Q No. 1094 regarding "Research study on Medicinal Plants" for 08/12/2023 -reg.

From: "Ms Leena Nandan" <secy-moef@nic.in>

To: "Mr Satyajit Mishra" <satyajit.mishra@nic.in>, "Parliament Section" <parlsec-mef@nic.in>

Sent: Tuesday, December 5, 2023 9:16:32 AM

Subject: Fwd: Lok Sabha admitted UnStarred Q No. 1094 regarding "Research study on Medicinal Plants" for 08/12/2023 -reg.

Office of Secretary
Ministry of Environment, Forest and Climate Change
4th Floor, Prithvi Wing
Indira Paryavaran Bhawan
Jor Bagh Road, New Delhi - 110003
Tel.No.: +91-11-20819308
+91-11-20819408

Fax No.: +91-11-20819238

From: "Dr.Bidhan Mahajon" <dr.bidhan@gov.in>

To: "Dr(Mr) Himanshu Pathak" <dg.icar@nic.in>, "Ashwani Kumar" <jsadm-agri@gov.in>, "Chandra Prakash Goyal" <cpgoyal@nic.in>, "Director General CSIR" <dg@csir.res.in>, "Director General CSIR" <dgcsir@csir.res.in>, "Secretary DSIR" <secy-dsir@gov.in>, "DG ICMR" <secy-dg@icmr.gov.in>, "Rabinarayan Acharya" <dg-ccras@nic.in>, ccrhindia@gmail.com, unanimedicine@gmail.com, ccrschennai@gmail.com, "icmrhqds" <icmrhqds@sansad.nic.in>, "Ms Leena Nandan" <secy-moef@nic.in>, "Itakpa jigmet" <Itakpa.jigmet@gov.in>, "Chandrabhan Dhruw" <bioresource-dbt@dbt.nic.in>, "Parliament Cell" <parl@csir.res.in>, ccrh@del3.vsnl.net.in, ccrhpq@gmail.com, "manish das" <manish.das@icar.gov.in>, "Dr Raman Mohan Singh" <dir.pcimh-ayush@gov.in>, "Manoj Bapna" <manojb12365-cgo@gov.in>, "Renu sharma" <renu.sharma16@gov.in>, "parliamentreply ccras" <parliamentreply.ccras@gmail.com>, madhudikshit@thsti.res.in, "A Dhanalakshmi" <a.dhanalakshmi@nic.in>

Cc: "Prof. Tanuja Nesari" <ceo-nmpb@nic.in>, "Dy. CEO NMPB Mo AYUSH" <dyceo-nmpb@nic.in>, "Murugeswaran R" <dr.murugesw.nmpb@gov.in>, "Patrick Xalxo" <patrick.x@nic.in>

Sent: Monday, December 4, 2023 7:15:57 PM**Subject:** Lok Sabha admitted UnStarred Q No. 1094 regarding "Research study on Medicinal Plants" for 08/12/2023 -reg.**MOST URGENT**

Sir/Madam,

Please find enclosed Lok Sabha admitted UnStarred Q No. 1094 regarding "**Research study on Medicinal Plants**" for 08/12/2023. It is requested that the part-wise information of the above said question may kindly be furnished to the undersigned in hard as well as soft copy in MSWORD format (Email: dr.bidhan@gov.in / info-nmpb@nic.in) latest by **04/12/2023** positively. This may be treated as most urgent.

--

With Sincere Regards

Dr. Bidhan Mahajon, MD (Ay), Ph.D.

Research Officer (Ayurveda)

National Medicinal Plants Board (NMPB)

Ministry of Ayush

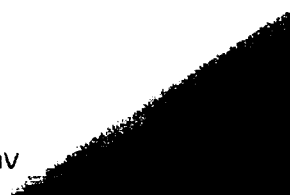
Government of India

Indian Red Cross Society (IRCS)

Annexe Building, 1st & 2nd floor, 1 Red Cross Road, New Delhi-110001



75
Azadi Ka
Amrit Mahotsav



एकता बहुमुख्यम्
ONE SAMEN - ONE FAMILY - ONE FUTURE



वसुधैव कुटुम्बकम्
ONE EARTH • ONE FAMILY • ONE FUTURE

— **LSQ Unstarred 1094 Other ministries.pdf**
658 KB

H-11016/11/2023-24-NMPB-IV
Ministry of AYUSH
National Medicinal Plant Board

1st Floor, IRCS, Annexe Building,
Near Indian Red Cross Society,
Red Cross Road, New Delhi-110001
Date: - 04/12/2023

OFFICE MEMORANDUM

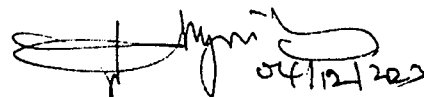
Subject: Lok Sabha Admitted Unstarred Question No. 1094 for 08/12/2023 regarding 'Research Study on Medicinal Plants'.

The undersigned is directed to refer to the above said Lok Sabha Question as reproduced hereunder:

Will the Minister of Ayush be pleased to state:

- (a) whether the Government has recently commissioned any research study on medicinal plants regarding their uses to treat modern diseases and if so, details thereof;
- (b) whether the Government is aware of the research study published in the World Journal of Diabetes stating that evidence based trials in natural products could lead to development of 'novel drugs in the modern management of Diabetes' with over 400 medicinal plants having the potential to combat Type-2 Diabetes;
- (c) if so, whether the Government has taken/ proposed to take any steps to generate more research on this in view of the increasing number of diabetic patients in India; and
- (d) if so, the details thereof?

2. It is requested that the part-wise information of the above said question may kindly be furnished to the undersigned in hard as well as soft copy in MSWORD format (Email: dr.bidhan@gov.in / info-nmpb@nic.in) latest by today i.e. 04/12/2023 (FN) positively. This may be treated as **MOST URGENT**.


(Dr. R Murugeswaran)
Deputy Adviser (MPs)

To,

1) Secretary (DARE) & Directory General (ICAR), Krishi Bhawan, New Delhi – 110001.
(Tel:01123382629), 23386711: Email: dg.icar@nic.in

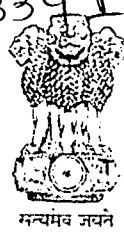
2) Secretary (EF&CC), Ministry of Environment, Forest and Climate Change, Indira Paryavaran Bhawan, Jorbagh Road New Delhi – 110003, Email: secy-moef@nic.in,
Itakpa.jigmet@gov.in

- 3) Joint Secretary, Department of Science & Technology, Technology Bhawan, New Mehrauli Road, New Delhi – 110016 (Tel: 011-26516077), Email: anju_bhalla@nic.in
- 4) Joint Secretary (Parliament), Ministry of Agriculture & Farmers Welfare, Krishi Bhawan, Dr. Rajendra Prasad Road, New Delhi – 110001 (Tel: 011-23385595, Email: sthakur@nic.in)
- 5) Joint Secretary, Department of Bio-technology, CGO Complex, Lodhi Road, New Delhi-110003 (Tel: 011-24362982, Email: cpgoyal@nic.in)
- 6) Director General, CSIR, Anusandhan Bhawan, 2 Rafi Ahmed Kidwai Marg, New Delhi – 110001 (Tel: 011-23710472, 23717053, Email: dg@csir.res.in, dgcslr@csir.res.in, secy-dsir@gov.in, parl@csir.res.in)
- 7) Director General, Indian Council of Medical Research (ICMR), V. Ramalingaswami Bhawan, P.O. Box No. 4911, Ansari Nagar, New Delhi – 110029, India (Tel: 011-26588204, Email: secy-dg@icmr.gov.in) icmrhqds@sansad.nic.in
- 8) Director General, Central Council for Research and Ayurvedic Sciences (CCRAS), 61-65, Institutional Area, Opp. D. Block, Janakpuri, New Delhi – 110058.
- 9) Director General, Central Council for Research in Unani Medicine, 61-65, Institutional Area, Opp. D. Block, Janakpuri, New Delhi – 110058.
- 10) Director General, Central Council for Research in Homeopathy, 61-65, Institutional Area, Opp. D. Block, Janakpuri, New Delhi – 110058.
- 11) Central Council for Research in Siddha, Tambaram Sanatorium, GST Road, Chennai – 600 047, India, Email: ccrschennai@gmail.com
- 12) Director, Pharmacopoeia Commission for Indian Medicine & Homoeopathy (PCIM&H), Kamla Nehru Nagar, Ghaziabad (UP), NCR Delhi INDIA – 201002, dir.pcimh-ayush@gov.in



भारत सरकार
GOVERNMENT OF INDIA
पर्यावरण, वन एवं जलवायु परिवर्तन मंत्रालय
MINISTRY OF ENVIRONMENT, FOREST & CLIMATE
CHANGE

EW 390889339 IN



स्पीड पोस्ट / SPEED POST



भारतीय वनस्पति सर्वेक्षण / BOTANICAL SURVEY OF INDIA
सी.जी.ओ. कॉम्प्लेक्स / CGO COMPLEX
तृतीय एम. एस.ओ. भवन / 3RD MSO BUILDING
पॉचवाँ और छठा तल / 5TH & 6TH FLOOR
डीएफब्लॉक, सेक्टर १ / DF BLOCK, SECTOR 1
साल्टलेक, कोलकाता-६४ / SALT LAKE, KOLKATA - 700064
Tel.: (033) 2321 4050 [Tech. Section] ; E-mail: tech@bsi.gov.in

फाइल संख्या/File No.: BSI- 286/1 (Parl.) / 2023 -Tech. / 355

दिनांक/Date: 12.07.2023

सेवामें / To

The Secretary of the Govt. of India
Ministry of Environment, Forest & Climate Change
New Delhi - 110003

(Kind attention: Ms. Geeta Bhatnagar, Under Secretary, MoEF&CC, New Delhi)

Subject: Setting up of Biodiversity Park- reg.

Sir,

With reference to your email, dated 11th July, 2023 regarding Starred Question Diary No. 1120 on "Setting up of Biodiversity Park" for answer on 24.07.2023, I am directed to furnish herewith the point wise information for your kind perusal and necessary action.

(a) Whether the Central Government proposes to establish set up Biodiversity Parks;

Answer: This question does not pertain to Botanical Survey of India.

no such information
is available with BSI.

(b) Whether the Central Government is aware that the Department conducted a survey to set up Biodiversity Park in Narohil in Satna District and whether the Government of Madhya Pradesh has also sent a proposal in this regard, if so, the status of the said proposal;

Answer: This question does not pertain to Botanical Survey of India.

(c) Whether the government is aware that Narohil in Satna District Madhya Pradesh is a biodiversity rich area where demand for setting up a biodiversity park is being made by me several times and for which the Central Government sometimes assures to provide financial assistance to the State Government and at other times the State Government sends proposals to the Central Government; and

Answer: Not Applicable.

(d) The number of biodiversity parks set up in the country so far and the details of the source from which financial assistance is provided to them?

Answer: This question does not pertain to Botanical Survey of India.

This issues with the approval of Director, Botanical Survey of India.

सधन्यवाद/ Thanking you.

भवदीय/Yours sincerely

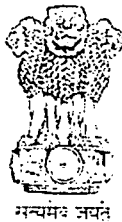
(एस. एस. दाश / S. S. Dash)

वैज्ञानिक ई/ Scientist 'E'

(प्रभारी, तकनीकी अनुभाग / In-charge, Tech. Section)

1321
प्रेषित / DESPATCHED
18/7/23

TECHNICAL SECTION
DISPATCHED
No. T- 355
Date : 12.07.2023



भारत सरकार

GOVERNMENT OF INDIA

पर्यावरण, वन एवं जलवायु परिवर्तन मंत्रालय

MINISTRY OF ENVIRONMENT, FOREST & CLIMATE
CHANGE

भारतीय वनस्पति सर्वेक्षण / BOTANICAL SURVEY OF INDIA

सी.जी.ओ. कॉम्प्लेक्स / CGO COMPLEX

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डीएफ ब्लॉक, सेक्टर-1 / DF BLOCK, SECTOR I

साल्टलेक, कोलकाता-६४ / SALT LAKE, KOLKATA - 700064

Tel.: (033) 2321 4050 [Tech. Section] ; E-mail: tech@bsi.gov.in

फाइल संख्या/File No.: BSI- 286/1 (Parl.) / 2023 -Tech. / 355

दिनांक/Date: 12.07.2023

सेवामे / To

The Secretary of the Govt. of India
Ministry of Environment, Forest & Climate Change
New Delhi - 110003

(Kind attention: Ms. Geeta Bhamagar, Under Secretary, MoEF&CC, New Delhi)

Subject: Setting up of Biodiversity Park- reg.

Sir,

With reference to your email, dated 11th July, 2023 regarding Starred Question Diary No. 1120 on "Setting up of Biodiversity Park" for answer on 24.07.2023, I am directed to furnish herewith the point wise information for your kind perusal and necessary action.

(a) Whether the Central Government proposes to establish set up Biodiversity Parks;

Answer: This question does not pertain to Botanical Survey of India.

no such information
is available with BSI.

(b) Whether the Central Government is aware that the Department conducted a survey to set up Biodiversity Park in Narohil in Satna District and whether the Government of Madhya Pradesh has also sent a proposal in this regard, if so, the status of the said proposal;

Answer: This question does not pertain to Botanical Survey of India.

(c) Whether the government is aware that Narohil in Satna District Madhya Pradesh is a biodiversity rich area where demand for setting up a biodiversity park is being made by me several times and for which the Central Government sometimes assures to provide financial assistance to the State Government and at other times the State Government sends proposals to the Central Government; and

Answer: Not Applicable.

(d) The number of biodiversity parks set up in the country so far and the details of the source from which financial assistance is provided to them?

Answer: This question does not pertain to Botanical Survey of India.

This issues with the approval of Director, Botanical Survey of India.

सधन्यवाद/ Thanking you,

भवदीय/Yours sincerely

(एस.एस. दाश / S. S. Dash)

वैज्ञानिक ई/ Scientist 'E'

(प्रभारी, तकनीकी अनुभाग / In-charge. Tech. Section)

Email

Parliament Section

Question : Staired: Diary No : 1120: Answer Date: 24/07/2023

From : Question Branch A <qlra-ls@sansad.nic.in>

Tue, Jul 11, 2023 11:55 AM

Subject : Question : Staired: Diary No : 1120: Answer Date: 24/07/2023

To : Parliament Section <parlsec-mt@nic.in>

LOK SABHA

D.No 1120

Ministry to which the day has been allotted : ENVIRONMENT, FOREST AND CLIMATE CHANGE

Sitting on the : 24/07/2023

Setting up of Biodiversity Parks

Will the Minister of ENVIRONMENT, FOREST AND CLIMATE CHANGE

- (a) whether the Central Government proposes to set up Biodiversity Parks;
- (b) whether the Central Government is aware that the Department conducted a survey to set up Biodiversity Park in Narohil in Satna District and whether the Government of Madhya Pradesh has also sent a proposal in this regard, if so, the status of the said proposal;
- (c) whether the Government is aware that Narohil in Satna District of Madhya Pradesh is a biodiversity rich area where demand for setting up a biodiversity park is being made by me several times and for which the Central Government sometimes assures to provide financial assistance to the State Government and at other times the State Government sends proposals to the Central Government; and
- (d) the number of biodiversity parks set up in the country so far and the details of the source from which financial assistance is provided to them?

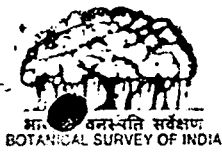
AS(NPG) - J. M. F.

13/03/18
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AS (ANS)

J. M.

to (ANS) A.
AS (Chand)

11/7/18



EW 403294843 IN



सत्यमेव जयते

स्पीड पोस्ट / SPEED POST



भारतसरकार

GOVERNMENT OF INDIA

पर्यावरण, वन एवं जलवायु परिवर्तन मंत्रालय

MINISTRY OF ENVIRONMENT, FOREST & CLIMATE CHANGE

भारतीय वनस्पति सर्वेक्षण / BOTANICAL SURVEY OF INDIA

सी.जी.ओ. कॉम्प्लेक्स / CGO COMPLEX

तृतीय एम. एस.ओ. भवन / 3RD MSO BUILDINGपाँचवाँ और छठा तल / 5TH & 6TH FLOOR

डीएफ ब्लॉक, सेक्टर १ / DF BLOCK, SECTOR I

साल्ट लेक, कोलकाता-६४ / SALT LAKE, KOLKATA - 700064

Tel.: (033) 2321 4050 [Tech. Section]; E-mail: tech@bsi.gov.in

फाइल संख्या / File No.: BSI-286/1 (Parl.) / 2023 -Tech.
सेवामें / Toदिनांक / Date : 1st December, 2023

The Secretary

Ministry of Environment, Forest and Climate Change

Indira Paryavaran Bhawan, Jor Bagh Road

New Delhi - 110003

(Kind attention: Ms. Geeta Bhatnagar, Under Secretary (CS-II), MoEF&CC, New Delhi)

Subject: Lok Sabha Starred Diary No. 2173 for 08/12/2023 regarding 'Species of Medicinal Plants'- reg.

महोदया / Madam,

With reference to the email received on 30.11.2023 vide letter no. H-11016/24/2023-24 dated 30.11.2023, due for answer on 08.12.2023 regarding "Species of Medicinal Plants"-reg., I am directed to inform that the parliamentary questions sought under the Lok Sabha Starred Question Diary No. 2173 does not pertain to BSI. Therefore, the reply from the BSI may be treated as NIL.

This issues with the approval of Director, Botanical Survey of India.

धन्यवाद / Thanking you,

भवदीय / Yours sincerely

(एस. एस. दाश / S. S. Dash)
वैज्ञानिक एफ / Scientist 'F'
(प्रभारी, तकनीकी अनुभाग / In-charge, Tech. Section)

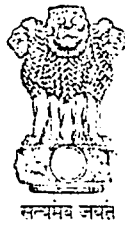
Copy to:

Deputy Adviser (MPs), National Medicinal Plant Board, 1st Floor, IRCS, Annexe Building, Near Indian Red Cross Society, Red Cross Road, New Delhi - 110001 (Email: info-nmpb@nic.in) for information.

EW 403294891 IN

1761-1762
मेसि / DESPATCHED
4-12-23

TECHNICAL SECTION
DISPATCHED
No. T-1677-1678
Date: 01.12.2023



भारतसरकार
GOVERNMENT OF INDIA
पर्यावरण, वन एवं जलवायु परिवर्तन मंत्रालय
MINISTRY OF ENVIRONMENT, FOREST & CLIMATE CHANGE

भारतीय वनस्पति सर्वेक्षण/BOTANICAL SURVEY OF INDIA
सी.जी.ओ. कॉम्प्लेक्स/CGO COMPLEX
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Tel.: (033) 2321 4050 [Tech. Section]; E-mail: tech@bsi.gov.in

फाइलसंख्या/ File No.: BSI-286/1 (Parl.) / 2023 -Tech.
सेवामें / To

दिनांक/Date : 1st December, 2023

The Secretary
Ministry of Environment, Forest and Climate Change
Indira Paryavaran Bhawan, Jor Bagh Road
New Delhi - 110003

(Kind attention: Ms. Geeta Bhatnagar, Under Secretary (CS-II), MoEF&CC, New Delhi)

Subject: Lok Sabha Starred Diary No. 2173 for 08/12/2023 regarding 'Species of Medicinal Plants'- reg.

महोदया/ Madam,

With reference to the email received on 30.11.2023 vide letter no. H-11016/24/2023-24 dated 30.11.2023, due for answer on 08.12.2023 regarding "Species of Medicinal Plants"-reg., I am directed to inform that the parliamentary questions sought under the Lok Sabha Starred Question Diary No. 2173 does not pertain to BSI. Therefore, the reply from the BSI may be treated as NIL.

This issues with the approval of Director, Botanical Survey of India.
धन्यवाद/ Thanking you,

भवदीय/Yours sincerely

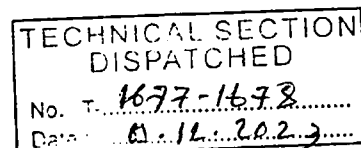
(एस. एस. दाश / S. S. Dash)

वैज्ञानिक एफ/ Scientist 'F'

(प्रभारी, तकनीकी अनुभाग / In-charge, Tech. Section)

Copy to:

Deputy Adviser (MPs), National Medicinal Plant Board, 1st Floor, IRCS, Annexe Building, Near Indian Red Cross Society, Red Cross Road, New Delhi - 110001 (Email: info-nmpb@nic.in) for information.



Email

Technical Section BSI

Re: Lok Sabha Starred Question Diary No. 2173 for 08.12.2023 regarding "Species of Medicinal Plants" – reg.

From : Technical Section BSI <tech@bsi.gov.in>
Subject : Re: Lok Sabha Starred Question Diary No. 2173 for 08.12.2023 regarding "Species of Medicinal Plants" – reg.

Fri, Dec 01, 2023 06:49 PM

1 attachment

To : SunilDutt ResearchOfficer(MedicnialPlants/Agro) <romps.nmpb@gov.in>, Ministry of AYUSH <info-nmpb@nic.in>, sobsi2012 <sobsi2012@gmail.com>

Cc : Ashiho Asosii <aamao@bsi.gov.in>, Dr Sudhansu Sekhar Dash <:ssdash@bsi.gov.in>, Umeshkumar L. Tiwari <ukltiwari@bsi.gov.in>

Sir,

In reference to the above subject, please see the attached file containing the reply from BSI on Lok Sabha Starred diary No. 2173 - 'Species of Medicinal Plants' to be answered on 08.12.2023. Please ignore the earlier mail in this regard.

Thanking You

.....
Technical Section

Botanical Survey of India, HQ

Salt Lake City, Kolkata - 700 064

Emails: *tech@bsi.gov.in ; tech.bsi2021@gmail.com*

From: "Technical Section BSI" <tech@bsi.gov.in>

To: "SunilDutt ResearchOfficer(MedicnialPlants/Agro)" <romps.nmpb@gov.in>, "Ministry of AYUSH" <info-nmpb@nic.in>, "sobsi2012" <sobsi2012@gmail.com>

Cc: "Ashiho Asosii" <aamao@bsi.gov.in>, "Dr Sudhansu Sekhar Dash" <:ssdash@bsi.gov.in>, "Umeshkumar L. Tiwari" <ukltiwari@bsi.gov.in>

Sent: Friday, December 1, 2023 6:33:28 PM

Subject: Re: Lok Sabha Starred Question Diary No. 2173 for 08.12.2023 regarding "Species of Medicinal Plants" – reg.

Sir,

In reference to the above subject, please see the attached file containing the reply from BSI on Lok Sabha Starred diary No. 2173 - 'Species of Medicinal Plants' to be answered on 08.12.2023.

Thanking You

Technical Section**Botanical Survey of India, HQ****Salt Lake City, Kolkata - 700 064**Emails: tech@bsi.gov.in ; tech.bsi2021@gmail.com**From:** "SunilDutt ResearchOfficer(MedicinalPlants/Agro)" <romps.nmpb@gov.in>**To:** "Nameeta Prasad" <nameeta.prasad@gov.in>, "Mr Satyajit Mishra" <satyajit.mishra@nic.in>, "Ashish Malhotra" <ashish.malhotra@nic.in>, "Priya Ranjan" <priya.ranjan98@gov.in>, "Chaitanya Murti" <jsadmin.dbt@nic.in>, "Sunil Kumar JS DST" <jssk-dst@gov.in>, "Anil" <anilk.pandey@nic.in>, "Director General CSIR" <dgcsir@csir.res.in>, "Dr(Mr) Himanshu Pathak" <dg.icar@nic.in>, "Ashiho Asosii Mao" <hq@bsi.gov.in>, "ADMIN BSI" <admin@bsi.gov.in>, "Technical Section BSI" <tech@bsi.gov.in>**Cc:** "Prof. Tanuja Nesari" <ceo-nmpb@nic.in>, "Dy. CEO NMPB Mo AYUSH" <dyceo-nmpb@gov.in>, "Murugeswaran R" <dr.murugesw.nmpb@gov.in>**Sent:** Thursday, November 30, 2023 5:51:55 PM**Subject:** Lok Sabha Starred Question Diary No. 2173 for 08.12.2023 regarding "Species of Medicinal Plants" – reg.

Sir / Madam,

Kindly find the attachment on subject cited parliament question.

It is requested that point-wise information for the Question may kindly be furnished both in hard as well as soft copy (E-mail: romps.nmpb@gov.in) by **01st December, 2023.**

With regards,

Sunil Dutt**Research Officer (Medicinal Plants/Agronomy)****National Medicinal Plants Board (NMPB),**

Ministry of Ayush, Government of India,

Indian Red Cross Society (IRCS) Annexe Building,

1st Floor, 1 Red Cross Road, New Delhi-110001.

Tel : 011-23721836

Website : www.nmpb.nic.in

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— **Lok Sabha 2173.pdf**
354 KB

Email

Technical Section BSI

Lok Sabha Starred Question Diary No. 2173 for 08.12.2023 regarding "Species of Medicinal Plants" – reg.

From : SunilDutt ResearchOfficer(MedicinalPlants/Agro)
<romps.nmpb@gov.in>

Thu, Nov 30, 2023 05:58 PM

1 attachment

Dr. Jeshaprasad - for
ula a prasad.
Lgma
01/12/23

Subject : Lok Sabha Starred Question Diary No. 2173 for
08.12.2023 regarding "Species of Medicinal Plants" –
reg.

To : Nameeta Prasad <nameeta.prasad@gov.in>, Mr
Satyajit Mishra <satyajit.mishra@nic.in>, Ashish
Malhotra <ashish.malhotra@nic.in>, Priya Ranjan
<priya.ranjan98@gov.in>, Chaitanya Murti
<jsadmin.dbt@nic.in>, Sunil Kumar JS DST <jssk-
dst@gov.in>, Anil <anilk.pandey@nic.in>, Director
General CSIR <dgcsir@csir.res.in>, Dr(Mr) Himanshu
Pathak <dg.icar@nic.in>, Ashiho Asosii Mao
<hq@bsi.gov.in>, ADMIN BSI <admin@bsi.gov.in>,
Technical Section BSI <tech@bsi.gov.in>

Cc : Prof. Tanuja Nesari <ceo-nmpb@nic.in>, Dy. CEO
NMPB Mo AYUSH <dyceo-nmpb@gov.in>,
Murugeswaran R <dr.murugesw.nmpb@gov.in>

Sir / Madam,

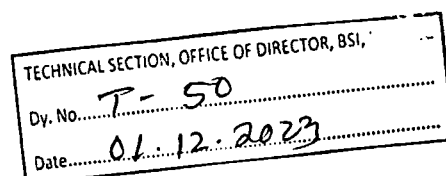
Kindly find the attachment on subject cited parliament question.

It is requested that point-wise information for the Question may kindly be furnished both in
hard as well as soft copy (E-mail: romps.nmpb@gov.in) by **01st December, 2023**.

With regards,

Sunil Dutt
Research Officer (Medicinal Plants/Agronomy)
National Medicinal Plants Board (NMPB),
Ministry of Ayush, Government of India,
Indian Red Cross Society (IRCS) Annexe Building,
1st Floor, 1 Red Cross Road, New Delhi-110001.
Tel : 011-23721836
Website : www.nmpb.nic.in

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 **Lok Sabha Starred Ques Dy. No. 2173 for 08.12.2023 JS.pdf**
613 KB

MOST IMMEDIATE

F. No. H.11016/24/2023-24-NMPB-VI
Government of India
Ministry of Ayush
National Medicinal Plants Board

1st Floor & 2nd Floor,
IRCS Annexe Building,
Red Cross Road, New Delhi – 01
E-mail: romps.nmpb@gov.in
Dated: 30.11.2023

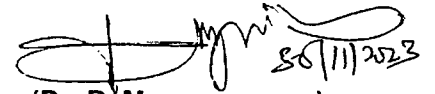
OFFICE MEMORANDUM

**Subject: Lok Sabha Starred Question Diary No. 2173 for 08.12.2023 regarding
“Species of Medicinal Plants” – reg.**

The undersigned is directed to refer to the above said Lok Sabha Question as reproduced hereunder:

- (a) whether it is true that as much as 10 percent of 900 major medicinal plant species found in India fall under the 'threatened' category, as per experts observations;
- (b) if so, the details of the steps taken/proposed to be taken by the Government to rectify and deal with reported causes, such as overexploitation, drug industry's high dependence on wildlife population, habitat destruction and urbanization;
- (c) the details of the percentage of medicinal plants native to India that are currently being cultivated;
- (d) whether the Government has taken any initiatives to encourage the cultivation of medicinal plants, considering their health benefits; and
- (e) if so, the details thereof and if not, the reasons therefor?

It is requested that point-wise information for the above Question may kindly be furnished both in hard as well as soft copy (E-mail: romps.nmpb@gov.in) on 01st December, 2023 to the undersigned.


(Dr. R. Murugeswaran)

Deputy Advisor (Medicinal Plants)

To

1. Joint Secretary (Parliament), Ministry of Environment, Forest and Climate Change, Indira Paryavaran Bhawan, Jor Bagh Road, Aliganj, New Delhi - 110003.
2. Joint Secretary, Ministry of Agriculture & Farmers Welfare, Department of Agriculture and Farmers Welfare, Krishi Bhawan, New Delhi – 110001.
3. Joint Secretary, Department of Science & Technology, Technology Bhawan, New Mehrauli Road, Block – C, Qutab Institutional Area, New Delhi – 110016.
4. Joint Secretary, Department of Biotechnology, 6th-8th Floor, Block 2 CGO Complex, Lodhi Road, New Delhi - 110 003.
5. Director General, Council of Scientific & Industrial Research, Anusandhan Bhawan, 2 Rafi Ahmed, Kidwai Marg, New Delhi-110001.
6. Director General, Indian Council of Agricultural Research, Krishi Bhawan, New Delhi-110001.
7. Director, Botanical Survey of India, CGO Complex, 3rd MSO Building, Block – F, DF Block, Sector – I, Salt Lake City, Kolkata – 70006.

Email

Technical Section BSI

File
286/1 (Parl)

Fwd: Lok Sabha Unstarred Question Diary No. 6187 for 15.12.2023 regarding "Species of Medicinal Plants" – reg.

From : K R Devarajan <kr.devarajan@gov.in>

Tue, Dec 12, 2023 01:22 PM

Subject : Fwd: Lok Sabha Unstarred Question Diary No. 6187 for 15.12.2023 regarding "Species of Medicinal Plants" – reg.

1 attachment

To : SunilDutt ResearchOfficer(MedicinalPlants/Agro) <romps.nmpb@gov.in>

Cc : Nameeta Prasad <nameeta.prasad@gov.in>, Sujit Kumar Bajpayee <sujit.baju@gov.in>, Neelesh Kumar Sah <sahnk@cag.gov.in>, Shubha Thakur <sthakur@nic.in>, Chaitanya Murti <jsadmin.dbt@nic.in>, Mr Satyajit Mishra <satyajit.mishra@nic.in>, Ashish Malhotra <ashish.malhotra@nic.in>, Priya Ranjan <priya.ranjan98@gov.in>, Xavier min <Xavier.min@nic.in>, DST Website Support <ws-dst@gov.in>, Ashiho Asosii Mao <hq@bsi.gov.in>, ADMIN BSI <admin@bsi.gov.in>, Technical Section BSI <tech@bsi.gov.in>, Dr(Mr) Himanshu Pathak <dg.icar@nic.in>, Director General CSIR <dg@csir.res.in>, Director General CSIR <dgcsir@csir.res.in>, dwii@wii.gov.in, vrt@wii.gov.in, Dr. B Balaji <secretary@nba.nic.in>, Dy. CEO NMPB Mo AYUSH <dyceo-nmpb@gov.in>, Murugeswaran R <dr.murugesw.nmpb@gov.in>, Patrick Xalxo <patrick.x@gov.in>, conservationdesk@gmail.com

Subapathy/ Shakti
(mm)
12/12/23

Respected Sir(s),

In trailing mail from NMPB, Ministry of AYUSH, it is informed that Smt. Anju Bhalla, Joint Secretary (Parl.) has relinquished the charge of her post on her superannuation.

The revised list of officers dealing with Parliament matters of Department of Science and Technology, Department of Scientific and Industrial Research and Department of Bio-Technology has been issued/circulated vide Department of Science and Technology's Circular dated 01.12.2023.

Copy of the Circular dated 01.12.2023 is enclosed for information and reference please.

सादर | Regards,

के. आर. देवराजन | K.R. Devarajan,
अवर सचिव | Under Secretary,
संसद एकक एवं राज भाषा | PARLIAMENT UNIT AND OL,
टेक्नोलॉजी भवन | TECHNOLOGY BHAVAN,
नई महरौली रोड | NEW MEHRAULI ROAD,

TECHNICAL SECTION, OFFICE OF DIRECTOR, BSI,	
Dy. No.	T-139
Date	12.12.2023

Email



Technical Section BSI

Fwd: Lok Sabha Unstarred Question Diary No. 6187 for 15.12.2023 regarding "Species of Medicinal Plants" – reg.

From : Dr. Priti Singh <priti.singh@gov.in> Thu, Dec 07, 2023 03:28 PM
Subject : Fwd: Lok Sabha Unstarred Question Diary No. 6187 for 15.12.2023 regarding "Species of Medicinal Plants" – reg. 1 attachment
To : Technical Section BSI <tech@bsi.gov.in>, Dr Sudhansu Sekhar Dash <ssdash@bsi.gov.in>, Ashiho Asosii <aamao@bsi.gov.in>
Cc : Ved Prakash Mishra <mishra.vp@gov.in>, SunilDutt ResearchOfficer(MedicinalPlants/Agro) <romps.nmpb@gov.in>

Sir,

Kindly refer to trailing mail below received from Ministry of Ayush.
BSI is requested to provide inputs directly to Ministry of Ayush under intimation to this Ministry.

From: "Parliament Section" <parlsec-mef@nic.in>
To: "Ved Prakash Mishra" <mishra.vp@gov.in>, "Dr. Priti Singh" <priti.singh@gov.in>
Cc: "Naresh Pal Gangwar" <asnpg.mefcc@gov.in>, "Abhimanyu Kumar Sharma" <ak.sharma79@nic.in>
Sent: Thursday, December 7, 2023 2:40:56 PM
Subject: Fwd: Lok Sabha Unstarred Question Diary No. 6187 for 15.12.2023 regarding "Species of Medicinal Plants" – reg.

From: "Sanjay Kumar" <sanjaykumar.moca@nic.in>
To: "Parliament Section" <parlsec-mef@nic.in>
Sent: Thursday, December 7, 2023 1:10:48 PM
Subject: Fwd: Lok Sabha Unstarred Question Diary No. 6187 for 15.12.2023 regarding "Species of Medicinal Plants" – reg.

From: "Mr Satyajit Mishra" <satyajit.mishra@nic.in>
To: "Sanjay Kumar" <sanjaykumar.moca@nic.in>, "rakesh sharma67" <rakesh.sharma67@nic.in>
Sent: Thursday, December 7, 2023 12:39:04 PM
Subject: Fwd: Lok Sabha Unstarred Question Diary No. 6187 for 15.12.2023 regarding "Species of Medicinal Plants" – reg.

From: "SunilDutt ResearchOfficer(MedicinalPlants/Agro)" <romps.nmpb@gov.in>
To: "Nameeta Prasad" <nameeta.prasad@gov.in>, "Sujit Kumar Bajpayee" <sujit.baju@gov.in>, "Neelesh Kumar Sah" <sahnk@cag.gov.in>, "Shubha Thakur" <sthakur@nic.in>, "Anju Bhalla" <anju_bhalla@nic.in>, "Chaitanya Murti" <jsadmin.dbt@nic.in>, "Mr Satyajit Mishra" <satyajit.mishra@nic.in>, "Ashish Malhotra" <ashish.malhotra@nic.in>, "Priya Ranjan" <priya.ranjan98@gov.in>, "Xavier min" <Xavier.min@nic.in>, "DST Website Support" <ws-dst@gov.in>, "Ashiho Asosii Mao" <hq@bsi.gov.in>, "ADMIN BSI" <admin@bsi.gov.in>, "Technical Section BSI" <tech@bsi.gov.in>, "Dr(Mr) Himanshu Pathak" <dg.icar@nic.in>, "Director General CSIR" <dg@csir.res.in>, "Director General CSIR" <dgcsir@csir.res.in>, dwii@wii.gov.in, vrt@wii.gov.in, "Dr. B Balaji" <secretary@nba.nic.in>
Cc: "Dy. CEO NMPB Mo AYUSH" <dyceo-nmpb@gov.in>, "Murugeswaran R" <dr.murugesh.nmpb@gov.in>, "Patrick Xalxo" <patrick.x@gov.in>, conservationdesk@gmail.com
Sent: Thursday, December 7, 2023 12:22:14 PM
Subject: Lok Sabha Unstarred Question Diary No. 6187 for 15.12.2023 regarding "Species of Medicinal Plants" – reg.

Sir / Madam,

Kindly find the attachment on subject cited parliament question.

With regards,

Sunil Dutt

Research Officer (Medicinal Plants/Agronomy)
National Medicinal Plants Board (NMPB),

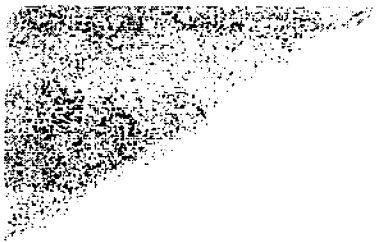
Ministry of Ayush, Government of India,
 Indian Red Cross Society (IRCS) Annexe Building,
 1st Floor, 1 Red Cross Road, New Delhi-110001.

Tel : 011-23721836

Email: romps.nmpb@gov.in

Website : www.nmpb.nic.in

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75
 Azadi Ka
 Amrit Mahotsav



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Reply sent through mail.

Email

Email

Technical Section BSI

Re: Lok Sabha Unstarred Question Diary No. 6187 for 15.12.2023 regarding "Species of Medicinal Plants" – reg.

From : Technical Section BSI <tech@bsi.gov.in>

Thu, Dec 07, 2023 05:12 PM

Subject : Re: Lok Sabha Unstarred Question Diary No. 6187 for 15.12.2023 regarding "Species of Medicinal Plants" – reg.

1 attachment

To : Dr. Priti Singh <priti.singh@gov.in>, SunilDutt ResearchOfficer(MedicinalPlants/Agro) <romps.nmpb@gov.in>, Ministry of AYUSH <info-nmpb@nic.in>, sobsi2012 <sobsi2012@gmail.com>

Cc : Ashiho Asosii <aamao@bsi.gov.in>, Dr Sudhansu Sekhar Dash <ssdash@bsi.gov.in>

Madam,

In reference to the above mentioned subject, please find herewith the reply from BSI. The same reply was also sent on 01.12.2023 by BSI in respect to the Lok Sabha Starred Question Diary No. 2173 for 08.12.2023 regarding "Species of Medicinal Plants".

Thanking You,

.....
Technical Section

Botanical Survey of India, HQ

Salt Lake City, Kolkata - 700 064

Emails: tech@bsi.gov.in ; tech.bsi2021@gmail.com

From: "Dr. Priti Singh" <priti.singh@gov.in>

To: "Technical Section BSI" <tech@bsi.gov.in>, "Dr Sudhansu Sekhar Dash" <ssdash@bsi.gov.in>, "Ashiho Asosii" <aamao@bsi.gov.in>

Cc: "Ved Prakash Mishra" <mishra.vp@gov.in>, "SunilDutt ResearchOfficer(MedicinalPlants/Agro)" <romps.nmpb@gov.in>

Sent: Thursday, December 7, 2023 3:27:34 PM

Subject: Fwd: Lok Sabha Unstarred Question Diary No. 6187 for 15.12.2023 regarding "Species of Medicinal Plants" – reg.

Sir,

Kindly refer to trailing mail below received from Ministry of Ayush.

BSI is requested to provide inputs directly to Ministry of Ayush under intimation to this Ministry.

From: "Parliament Section" <parlsec-mef@nic.in>

To: "Ved Prakash Mishra" <mishra.vp@gov.in>, "Dr. Priti Singh" <priti.singh@gov.in>

Cc: "Naresh Pal Gangwar" <asnpg.mefcc@gov.in>, "Abhimanyu Kumar Sharma" <ak.sharma79@nic.in>

Sent: Thursday, December 7, 2023 2:40:56 PM

Subject: Fwd: Lok Sabha Unstarred Question Diary No. 6187 for 15.12.2023 regarding "Species of Medicinal Plants" – reg.

From: "Sanjay Kumar" <sanjaykumar.moca@nic.in>

To: "Parliament Section" <parlsec-mef@nic.in>

Sent: Thursday, December 7, 2023 1:10:48 PM

Subject: Fwd: Lok Sabha Unstarred Question Diary No. 6187 for 15.12.2023 regarding "Species of Medicinal Plants" – reg.

From: "Mr Satyajit Mishra" <satyajit.mishra@nic.in>

To: "Sanjay Kumar" <sanjaykumar.moca@nic.in>, "rakesh sharma67" <rakesh.sharma67@nic.in>

Sent: Thursday, December 7, 2023 12:39:04 PM

Subject: Fwd: Lok Sabha Unstarred Question Diary No. 6187 for 15.12.2023 regarding "Species of Medicinal Plants" – reg.

From: "SunilDutt ResearchOfficer(MedicinalPlants/Agro)" <romps.nmpb@gov.in>

To: "Nameeta Prasad" <nameeta.prasad@gov.in>, "Sujit Kumar Bajpayee" <sujit.baju@gov.in>, "Neelesh Kumar Sah" <sahnk@cag.gov.in>, "Shubha Thakur" <sthakur@nic.in>, "Anju Bhalla" <anju_bhalla@nic.in>, "Chaitanya Murti" <jsadmin.dbt@nic.in>, "Mr Satyajit Mishra" <satyajit.mishra@nic.in>, "Ashish Malhotra" <ashish.malhotra@nic.in>, "Priya Ranjan" <priya.ranjan98@gov.in>, "Xavier min" <Xavier.min@nic.in>, "DST Website Support" <ws-dst@gov.in>, "Ashiho Asosii Mao" <hq@bsi.gov.in>, "ADMIN BSI" <admin@bsi.gov.in>, "Technical Section BSI" <tech@bsi.gov.in>, "Dr(Mr) Himanshu Pathak" <dg.icar@nic.in>, "Director General CSIR" <dg@csir.res.in>, "Director General CSIR" <dgcsir@csir.res.in>, dwii@wii.gov.in, vrt@wii.gov.in, "Dr. B Balaji" <secretary@nba.nic.in>

Cc: "Dy. CEO NMPB Mo AYUSH" <dyceo-nmpb@gov.in>, "Murugeswaran R" <dr.murugesw.nmpb@gov.in>, "Patrick Xalxo" <patrick.x@gov.in>, conservationdesk@gmail.com

Sent: Thursday, December 7, 2023 12:22:14 PM

Subject: Lok Sabha Unstarred Question Diary No. 6187 for 15.12.2023 regarding "Species of Medicinal Plants" – reg.

Sir / Madam,

Kindly find the attachment on subject cited parliament question.

With regards,

Sunil Dutt

Research Officer (Medicinal Plants/Agronomy)

National Medicinal Plants Board (NMPB),

Ministry of Ayush, Government of India,

Indian Red Cross Society (IRCS) Annexe Building,

1st Floor, 1 Red Cross Road, New Delhi-110001.

Email

Technical Section BSI

Lok Sabha Unstarred Question Diary No. 6187 for 15.12.2023 regarding "Species of Medicinal Plants" – reg.

From : SunilDutt ResearchOfficer(MedicinalPlants/Agro) <romps.nmpb@gov.in> Thu, Dec 07, 2023 12:21 PM
Subject : Lok Sabha Unstarred Question Diary No. 6187 for 15.12.2023 regarding "Species of Medicinal Plants" – reg. 1 attachment
To : Nameeta Prasad <nameeta.prasad@gov.in>, Sujit Kumar Bajpayee <sujit.baju@gov.in>, Neelesh Kumar Sah <sahnk@cag.gov.in>, Shubha Thakur <sthakur@nic.in>, Anju Bhalla <anju_bhalla@nic.in>, Chaitanya Murti <jsadmin.dbt@nic.in>, Mr Satyajit Mishra <satyajit.mishra@nic.in>, Ashish Malhotra <ashish.malhotra@nic.in>, Priya Ranjan <priya.ranjan98@gov.in>, Xavier min <Xavier.min@nic.in>, DST Website Support <ws-dst@gov.in>, Ashiho Asosii Mao <hq@bsi.gov.in>, ADMIN BSI <admin@bsi.gov.in>, Technical Section BSI <tech@bsi.gov.in>, Dr(Mr) Himanshu Pathak <dg.icar@nic.in>, Director General CSIR <dg@csir.res.in>, Director General CSIR <dgcsir@csir.res.in>, dwii@wii.gov.in, vrt@wii.gov.in, Dr. B Balaji <secretary@nba.nic.in>
Cc : Dy. CEO NMPB Mo AYUSH <dyceo-nmpb@gov.in>, Murugeswaran R <dr.murugesw.nmpb@gov.in>, Patrick Xalxo <patrick.x@gov.in>, conservationdesk@gmail.com

Sir / Madam,

Kindly find the attachment on subject cited parliament question.

With regards,

Sunil
7/12/2023

Sunil Dutt
Research Officer (Medicinal Plants/Agronomy)
National Medicinal Plants Board (NMPB),
 Ministry of Ayush, Government of India,
 Indian Red Cross Society (IRCS) Annexe Building,
 1st Floor, 1 Red Cross Road, New Delhi-110001.
 Tel : 011-23721836
 Email: romps.nmpb@gov.in
 Website : www.nmpb.nic.in

#AYUSH#ZindagiRaheKhush



— Lok Sabha Unstarred Ques.Dy. No. 6187 for 15.12.23 JS.pdf
 442 KB

TECHNICAL SECTION, OFFICE OF DIRECTOR, BSI,	
Dy. No.	T- 88
Date	07-12-2023

MOST IMMEDIATE

F. No. H.11016/25/2023-24-NMPB-VI
Government of India
Ministry of Ayush
National Medicinal Plants Board

1st Floor & 2nd Floor,
IRCS Annexe Building,
Red Cross Road, New Delhi – 01
E-mail: romps.nmpb@gov.in
Dated: 07.12.2023

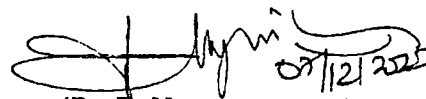
OFFICE MEMORANDUM

**Subject: Lok Sabha Unstarred Question Diary No. 6187 for 15.12.2023 regarding
“Species of Medicinal Plants” – reg.**

The undersigned is directed to refer to the above said Lok Sabha Question as reproduced hereunder:

- (a) whether it is true that as much as 10 percent of 900 major medicinal plant species found in India fall under the 'threatened' category, as per experts observations;
- (b) if so, the details of the steps taken/proposed to be taken by the Government to rectify and deal with reported causes, such as overexploitation, drug industry's high dependence on wildlife population, habitat destruction and urbanization;
- (c) the details of the percentage of medicinal plants native to India that are currently being cultivated;
- (d) whether the Government has taken any initiatives to encourage the cultivation of medicinal plants, considering their health benefits; and
- (e) if so, the details thereof and if not, the reasons therefor?

It is requested that point-wise information for the above Question may kindly be furnished both in hard as well as soft copy (E-mail: romps.nmpb@gov.in) on 08th December, 2023 latest by 02:00 PM to the undersigned.



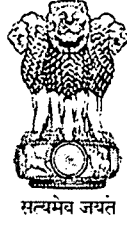
(Dr. R. Murugeswaran)

Deputy Advisor (Medicinal Plants)

To

1. Joint Secretary (Parliament), Ministry of Environment, Forest and Climate Change, Indira Paryavaran Bhawan, Jor Bagh Road, Aliganj, New Delhi - 110003.
2. Joint Secretary, Ministry of Agriculture & Farmers Welfare, Department of Agriculture and Farmers Welfare, Krishi Bhawan, New Delhi – 110001.
3. Joint Secretary, Department of Science & Technology, Technology Bhawan, New Mehrauli Road, Block – C, Qutab Institutional Area, New Delhi – 110016.
4. Joint Secretary, Department of Biotechnology, 6th-8th Floor, Block 2 CGO Complex, Lodhi Road, New Delhi - 110 003.
5. Director General, Council of Scientific & Industrial Research, Anusandhan Bhawan, 2 Rafi Ahmed, Kidwai Marg, New Delhi-110001.
6. Director General, Indian Council of Agricultural Research, Krishi Bhawan, New Delhi-110001.
7. Director, Botanical Survey of India, CGO Complex, 3rd MSO Building, Block – F, DF Block, Sector – I, Salt Lake City, Kolkata – 70006.
8. Sh. V.R. Tiwari, IFS, Director, Wildlife Institute of India, Post Box # 18, Chandrabani, Dehradun-248001 Uttarakhand. Email: dwii@wii.gov.in , vrt@wii.gov.in
9. Dr. B. Balaji, IFS, Secretary, National Biodiversity Authority, 5th Floor, TICEL Bio Park, CSIR Road, Taramani, Chennai - 600 113. Email: secretary@nba.nic.in

स्पीड पोस्ट / SPEED POST



भारत सरकार
GOVERNMENT OF INDIA
पर्यावरण, वन एवं जलवायु परिवर्तन मंत्रालय
MINISTRY OF ENVIRONMENT, FOREST & CLIMATE
CHANGE

भारतीय वनस्पति सर्वेक्षण / BOTANICAL SURVEY OF INDIA
सी.जी.ओ. कॉम्प्लेक्स / CGO COMPLEX
तृतीय एम. एस. ओ. भवन / 3RD MSO BUILDING
पाँचवाँ और छठा तल / 5TH & 6TH FLOOR
डी एफ ब्लॉक, सेक्टर 1 / DF BLOCK, SECTOR I
साल्टलेक, कोलकाता-६४ / SALT LAKE, KOLKATA - 700064
Tel.: (033) 2321 4050 [Tech. Section] ; E-mail: tech@bsi.gov.in

फाइल संख्या/ File No.: BSI-286/1 (Parl.) / 2024 -Tech.

दिनांक/Date : 2.2. 2024

सेवा में / To

The Secretary
Ministry of Environment, Forest and Climate Change
Indira Paryavaran Bhawan, Jor Bagh Road
New Delhi - 110003

(Kind attention: Dr. Priti Singh, Scientist D, MoEF&CC, New Delhi)

Subject: Lok Sabha Admitted Unstarred Question No. 2122 for answer on 09.02.2024 regarding “**Traditional Knowledge and Resources of Medicinal Plants**” - reg.

महोदया/ Madam,

With reference to your email, dated 2nd Feb, 2024 Lok Sabha Admitted Unstarred Question No. 2122 for answer on 09.02.2024 regarding “**Traditional Knowledge and Resources of Medicinal Plants**” I am directed to furnish herewith the point wise information for your kind perusal and necessary action as follows:

- a) *The details of the steps taken by the Government to protect the local communities involved in the benefit-sharing of traditional knowledge and resources regarding Ayurveda and herbal plants with AYUSH manufacturing companies and traders?*

Answer: BSI is mandated for survey of wild plant resources of the country through survey, exploration, documentation, and *ex-situ* conservation of the wild plant resources of the country. There are various research organizations such as NMPB, FRLHT, CIMAP, Ministry of AYUSH etc. are exclusively working on the *Ayurveda and herbal plants* and its conservation through various schemes. Therefore the above question does not come under the purview of BSI.

- b) *Whether the government has looked into the problems regarding the implementation of Biodiversity Act, as pointed out by the Centre for Science and Environment (CSE), which includes lack of available data on the money received from companies and traders for access and benefit sharing of this knowledge and resources?*

Answer: The Biological Diversity Act 2002 has also been enacted with the aim to

conserve biological resources of the country and regulation of access to bioresources to ensure equitable sharing of benefits arising out of their use. Under these acts, the National Biodiversity Authority (NBA) and the State Biodiversity Boards (SBBs) have been set up for implementing the provisions of the Act. NBA has exhaustive policy and information on the money received from companies and traders for access and benefit sharing of this knowledge and resources. In this regard, BSI has no information.

c) *If so, the steps taken/proposed to be taken by the Government to ensure adequate information in this regard;*

Answer: Not pertaining to BSI.

d) *Whether the Government has also looked into the cases where local communities claim that the companies did not pay them for their services; and*

Answer: No information is available with BSI.

e) *If so, the steps taken proposed to be taken by the Government to prevent such cases/incidents?*

Answer: Not pertaining to BSI.

This issues with the approval of Director, Botanical Survey of India.

सधन्यवाद/ **Thanking you,**

भवदीय/Yours sincerely

(Handwritten signature)
24/02/2024
(एस. एस. दाश / S. S. Dash)

वैज्ञानिक एफ / Scientist 'F'

(प्रभारी, तकनीकी अनुभाग / In-charge, Tech. Section)

Copy to: Dr. Heena A. Maheshwari, R.O. (Ay.), Ministry of AYUSH, NBCC office, Block 3, 2nd Floor, East Kidwai Nagar, New Delhi - 110023 (Email: heena.maheshwari@gov.in) for information.

(1858)
DESPATCHED
B. Mandal
05-02-24

TECHNICAL SECTION
DISPATCHED
No. T-2412-2413
Date 02-02-2024

Email

Technical Section BSI

Re: Lok Sabha provisionally admitted Starred Question Diary No. 2122 for answer on 09/02/2024 regarding "Traditional Knowledge and Resources of Medicinal Plants"- reg.

From : Technical Section BSI <tech@bsi.gov.in>

Fri, Feb 02, 2024 06:26 PM

Subject : Re: Lok Sabha provisionally admitted Starred Question Diary No. 2122 for answer on 09/02/2024 regarding "Traditional Knowledge and Resources of Medicinal Plants"- reg.

2 attachments

To : Dr. Priti Singh <priti.singh@gov.in>, GEETA BHATNAGAR <geeta.bhatnagar@nic.in>, sobsi2012 <sobsi2012@gmail.com>, HEENA ASHOKBHAI <heena.maheshwari@gov.in>

Cc : Ashiho Asosii <aamao@bsi.gov.in>, Dr Sudhansu Sekhar Dash <ssdash@bsi.gov.in>, ssdash2002 <ssdash2002@gmail.com>, Umeshkumar L. Tiwari <ukltiwari@bsi.gov.in>, Sudhir Kumar Yadav <skyadav@bsi.gov.in>

Madam,

With reference to the subject mentioned above, I am directed to send herewith reply from BSI for your kind perusal.

The signed copy of the letter (pdf and word file) is attached herewith, which may kindly be perused.

Thanking You,

With regards,
Dr. Sudhir Yadav
Botanist, HQ

.....
Technical Section

Botanical Survey of India, HQ

Salt Lake City, Kolkata - 700 064

Emails: tech@bsi.gov.in ; tech.bsi2021@gmail.com

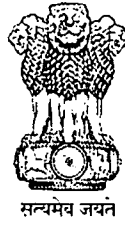
From: "Dr. Priti Singh" <priti.singh@gov.in>

To: "Technical Section BSI" <tech@bsi.gov.in>, "Dr Sudhansu Sekhar Dash" <ssdash@bsi.gov.in>, "Ashiho Asosii" <aamao@bsi.gov.in>

Cc: "Ved Prakash Mishra" <mishra.vp@gov.in>, "Drug Policy Section Ministry of Ayush" <dcc-ayush@nic.in>

Sent: Friday, February 2, 2024 1:18:48 PM

Subject: Fwd: Lok Sabha provisionally admitted Starred Question Diary No. 2122 for answer on 09/02/2024 regarding "Traditional Knowledge and Resources of Medicinal Plants"- reg.



भारत सरकार
GOVERNMENT OF INDIA
पर्यावरण, वन एवं जलवायु परिवर्तन मंत्रालय
MINISTRY OF ENVIRONMENT, FOREST & CLIMATE
CHANGE

भारतीय वनस्पति सर्वेक्षण / BOTANICAL SURVEY OF INDIA
सी.जी.ओ. कॉम्प्लेक्स / CGO COMPLEX
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डी एफ ब्लॉक, सेक्टर 1 / DF BLOCK, SECTOR 1
साल्टलेक, कोलकाता-६४ / SALT LAKE, KOLKATA – 700064
Tel.: (033) 2321 4050 [Tech. Section] ; E-mail: tech@bsi.gov.in

फाइल संख्या/ File No.: BSI-286/1 (Parl.) / 2024 -Tech.

दिनांक/Date : 2.2. 2024

सेवा में / To

The Secretary
Ministry of Environment, Forest and Climate Change
Indira Paryavaran Bhawan, Jor Bagh Road
New Delhi - 110003

(Kind attention: Dr. Priti Singh, Scientist D, MoEF&CC, New Delhi)

Subject: Lok Sabha Admitted Unstarred Question No. 2122 for answer on 09.02.2024 regarding “**Traditional Knowledge and Resources of Medicinal Plants**” - reg.

महोदया/ Madam,

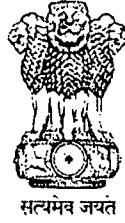
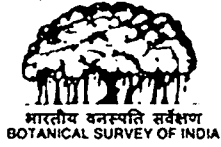
With reference to your email, dated 2nd Feb, 2024 Lok Sabha Admitted Unstarred Question No. 2122 for answer on 09.02.2024 regarding “**Traditional Knowledge and Resources of Medicinal Plants**” I am directed to furnish herewith the point wise information for your kind perusal and necessary action as follows:

- a) *The details of the steps taken by the Government to protect the local communities involved in the benefit-sharing of traditional knowledge and resources regarding Ayurveda and herbal plants with AYUSH manufacturing companies and traders?*

Answer: BSI is mandated for survey of wild plant resources of the country through survey, exploration, documentation, and *ex-situ* conservation of the wild plant resources of the country. There are various research organizations such as NMPB, FRLHT, CIMAP, Ministry of AYUSH etc. are exclusively working on the *Ayurveda and herbal plants* and its conservation through various schemes. Therefore the above question does not come under the purview of BSI.

- b) *Whether the government has looked into the problems regarding the implementation of Biodiversity Act, as pointed out by the Centre for Science and Environment (CSE), which includes lack of available data on the money received from companies and traders for access and benefit sharing of this knowledge and resources?*

Answer: The Biological Diversity Act 2002 has also been enacted with the aim to



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GOVERNMENT OF INDIA
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MINISTRY OF ENVIRONMENT, FOREST & CLIMATE
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भारतीय वनस्पति सर्वेक्षण / BOTANICAL SURVEY OF INDIA
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Tel.: (033) 2321 4050 [Tech. Section] ; E-mail: tech@bsi.gov.in

फाइल संख्या/ File No.: BSI-286/1 (Parl.) / 2024 -Tech.

दिनांक/Date : 2.2. 2024

सेवा में / To

The Secretary
Ministry of Environment, Forest and Climate Change
Indira Paryavaran Bhawan, Jor Bagh Road
New Delhi - 110003

(Kind attention: Dr. Priti Singh, Scientist D, MoEF&CC, New Delhi)

Subject: Lok Sabha Admitted Unstarred Question No. 2122 for answer on 09.02.2024 regarding “**Traditional Knowledge and Resources of Medicinal Plants**” - reg.

महोदया/ Madam,

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NBA has extensive policy and information

to ensure equitable sharing of benefits arising out of their use. Under these acts, the National Biodiversity Authority (NBA) and the State Biodiversity Boards (SBBs) have been set up for implementing the provisions of the Act. ~~Therefore, BSI has no information on the money received from companies and traders for access and benefit sharing of this knowledge and resources.~~

in two
rgm

c) *If so, the steps taken/proposed to be taken by the Government to ensure adequate information in this regard;*

Answer: Not pertaining to BSI.

d) *Whether the Government has also looked into the cases where local communities claim that the companies did not pay them for their services; and*

Answer: No information is available with BSI.

e) *If so, the steps taken/proposed to be taken by the Government to prevent such cases/incidents?*

Answer: Not pertaining to BSI.

This issues with the approval of Director, Botanical Survey of India.

सधन्यवाद/ **Thanking you,**

भवदीय/Yours sincerely

(एस. एस. दाश / S. S. Dash)

वैज्ञानिक एफ / Scientist 'F'

(प्रभारी, तकनीकी अनुभाग / In- charge, Tech. Section)

Copy to: Dr. Heena A. Maheshwari, R.O. (Ay.), Ministry of AYUSH, NBCC office, Block 3, 2nd Floor, East Kidwai Nagar, New Delhi - 110023 (Emails: heena.maheshwari@gov.in) for information.

H-11016/39/2024-DCC
Government of India
Ministry of Ayush

NBCC Office Block-3,
2nd Floor, East Kidwai Nagar,
New Delhi-110023
Dated: 01.02.2024

OFFICE MEMORANDUM

Subject: Lok Sabha provisionally admitted Starred Question Diary No. 2122 for answer on 09/02/2024 regarding "Traditional Knowledge and Resources of Medicinal Plants"- reg.

The undersigned is directed to reproduce Lok Sabha provisionally admitted Starred Question Diary No. 2122 for answer on 09/02/2024 regarding "Traditional Knowledge and Resources of Medicinal Plants" (copy enclosed);

(a) the details of the steps taken by the Government to protect the local communities involved in the benefit-sharing of traditional knowledge and resources regarding Ayurveda and herbal plants with AYUSH manufacturing companies and traders;

(b) whether the Government has looked into the problems regarding the implementation of Biodiversity Act, as pointed out by the Centre for Science and Environment (CSE), which includes lack of available data on the money received from companies and traders for access and benefit-sharing of this knowledge and resources;

(c) If so, the steps taken/proposed to be taken by the Government to ensure adequate information in this regard;

(d) whether the Government has also looked into the cases where local communities claim that the companies did not pay them for their services; and

(e) if so, the steps taken/proposed to be taken by the Government to prevent such cases/incidents?

2. It is requested that the Question wise information along with supplementary notes, may kindly be furnished in hard as well as soft copy to the e-mail: adviser-ayush@gov.in, heena.maheshwari@gov.in to the undersigned latest by **02/02/2024 (Friday), 02:00PM positively.**

Heena
61/02/2024
(Dr. Heena Ashokbhai Maheshwari)
R.O. (Ay.)-DPS

To,

1. Ms. Leena Nandan, Secretary, Ministry of Environment, Forest and Climate Change. Email: secy-moef@nic.in
2. Shri. B. Balaji, Secretary National Biodiversity Authority. Email: secretary@nab.nic.in
3. Achuta Nand Shukla, Additional Director/Scientist-E, Ministry of Environment, Forest and Climate Change. Email: achuta.shukla@gov.in
4. KP Raghuram, Tech Officer (BS), NBA, Chennai. Email: techbs@nab.nic.in
5. Ayurveda Section/ Homeopathy Section/ Unani & Siddha Section/ P&E Section/ IEC/ Yoga & Naturopathy Cell/ NAM Section/ EP-I/ EP-II/ EP-III/ IC Section / NMPB/ PCIM&H Section/ L&P Section/ Budget Section/ Scheme Section.

Email

VineetKumar VineetKumar

Question : Starred: Diary No : 2122: Answer Date: 09/02/2024

From : Question Branch E <qbre-iss@sansad.nic.in>

Tue, Jan 30, 2024 04:07 PM

Subject : Question : Starred: Diary No : 2122: Answer Date:
09/02/2024

To : VineetKumar VineetKumar <vineet.kumar37@gov.in>

LOK SABHA

D.No 2122

Ministry to which the day has been allotted : AYUSH
Sitting on the : 09/02/2024

Traditional Knowledge and Resources of Medicinal Plants

Will the Minister of AYUSH

(a) the details of the steps taken by the Government to protect the local communities involved in the benefit-sharing of traditional knowledge and resources regarding Ayurveda and herbal plants with AYUSH manufacturing companies and traders;

(b) whether the Government has looked into the problems regarding the implementation of Biodiversity Act, as pointed out by the Centre for Science and Environment (CSE), which includes lack of available data on the money received from companies and traders for access and benefit-sharing of this knowledge and resources;

(c) if so, the steps taken/proposed to be taken by the Government to ensure adequate information in this regard;

(d) whether the Government has also looked into the cases where local communities claim that the companies did not pay them for their services; and

(e) if so, the steps taken proposed to be taken by the Government to prevent such cases/incidents?

NMPB/US(PX)/Dy. CEO(NMPB)

CC: CEO(NMPB)

DN(MP)

3/1/24

21/01/2024

RO (JKV)

Email

Technical Section BSI



Fwd: Lok Sabha provisionally admitted Starred Question Diary No. 2122 for answer on 09/02/2024 regarding "Traditional Knowledge and Resources of Medicinal Plants"- reg.

From : Dr. Priti Singh <priti.singh@gov.in> Fri, Feb 02, 2024 01:19 PM
Subject : Fwd: Lok Sabha provisionally admitted Starred Question Diary No. 2122 for answer on 09/02/2024 regarding "Traditional Knowledge and Resources of Medicinal Plants"- reg. 1 attachment
To : Technical Section BSI <tech@bsi.gov.in>, Dr Sudhansu Sekhar Dash <:ssdash@bsi.gov.in>, Ashiho Asosii <aamao@bsi.gov.in>
Cc : Ved Prakash Mishra <mishra.vp@gov.in>, Drug Policy Section Ministry of Ayush <dcc-ayush@nic.in>

Sir,

May please refer trailing mail from Ministry of Ayush regarding PQ.
It is requested to provide inputs directly to Ministry of Ayush under intimation to this Ministry.

From: "Parliament Section" <parlsec-mef@nic.in>
To: "Ved Prakash Mishra" <mishra.vp@gov.in>, "Dr. Priti Singh" <priti.singh@gov.in>
Cc: "Mr Satyajit Mishra" <satyajit.mishra@nic.in>, "rakesh sharma67" <rakesh.sharma67@nic.in>, "Sanjay Kumar" <sanjaykumar.moca@nic.in>, "Abhimanyu Kumar Sharma" <ak.sharma79@nic.in>, "Hari singh" <h.singh62@nic.in>
Sent: Friday, February 2, 2024 11:25:48 AM
Subject: Fwd: Lok Sabha provisionally admitted Starred Question Diary No. 2122 for answer on 09/02/2024 regarding "Traditional Knowledge and Resources of Medicinal Plants"- reg.

From: "Sanjay Kumar" <sanjaykumar.moca@nic.in>
To: "Parliament Section" <parlsec-mef@nic.in>
Sent: Thursday, February 1, 2024 5:40:14 PM
Subject: Fwd: Lok Sabha provisionally admitted Starred Question Diary No. 2122 for answer on 09/02/2024 regarding "Traditional Knowledge and Resources of Medicinal Plants"- reg.

From: "Mr Satyajit Mishra" <satyajit.mishra@nic.in>
To: "rakesh sharma67" <rakesh.sharma67@nic.in>, "Sanjay Kumar" <sanjaykumar.moca@nic.in>, "Parliament Section" <parlsec-mef@nic.in>
Sent: Thursday, February 1, 2024 4:45:33 PM

Subject: Fwd: Lok Sabha provisionally admitted Starred Question Diary No. 2122 for answer on 09/02/2024 regarding "Traditional Knowledge and Resources of Medicinal Plants"- reg.

From: "Ms Leena Nandan" <secy-moef@nic.in>

To: "Parliament Section" <parlsec-mef@nic.in>

Cc: "Mr Satyajit Mishra" <satyajit.mishra@nic.in>, "Naresh Pal Gangwar" <asnpg.mefcc@gov.in>

Sent: Thursday, February 1, 2024 3:27:26 PM

Subject: Fwd: Lok Sabha provisionally admitted Starred Question Diary No. 2122 for answer on 09/02/2024 regarding "Traditional Knowledge and Resources of Medicinal Plants"- reg.

Office of Secretary
Ministry of Environment, Forest and Climate Change
4th Floor, Prithvi Wing
Indira Paryavaran Bhawan
Jor Bagh Road, New Delhi - 110003
Tel.No.: +91-11-20819308
+91-11-20819408
Fax No.: +91-11-20819238

From: "Drug Policy Section Ministry of Ayush" <dcc-ayush@nic.in>

To: "Ms Leena Nandan" <secy-moef@nic.in>, "Dr. B Balaji" <secretary@nba.nic.in>, "Achuta Nand Shukla" <achuta.shukla@gov.in>, "NBA Technical" <techbs@nba.nic.in>, "Ayush Development section" <develop-ayush@gov.in>, "Nidhi Chauhan" <chauhan.nidhi@gov.in>, coeayush@gmail.com, "Dy. CEO NMPB Mo AYUSH" <dyceo-nmpb@gov.in>, "emr ayush" <emr_ayush@yahoo.com>, "Education Policy Section" <ep1section-ayush@gov.in>, epim2section@gmail.com, homoeopathysection@gmail.com, hpcayush@gmail.com, "IC-Section-AYUSH" <ic-ayush@nic.in>, "IEC division" <iec-ayush@nic.in>, "Mr.MadanLal Meena" <madanlal.meena30@gov.in>, "Dr.Mahendra Kumar Pal" <mahendra.pal@gov.in>, namppmu2014@gmail.com, nisection@gmail.com, "Patrick Xalxo" <patrick.x@gov.in>, phischeme@gmail.com, "Siddha Unani Section" <siddhaunani-ayush@gov.in>, "siddhaunani ayush" <siddhaunani.ayush@gmail.com>, "Sanjeev Kumar" <sob-ayush@nic.in>, "Shiela Tirkey" <tirkey.shiela@gov.in>, "Planning and Evaluation Division Ministry of Ayush" <webcoord-ayush@nic.in>, yoganaturopathycell@gmail.com

Cc: "Dr Kousthubha Upadhyaya" <adviser-ayush@gov.in>, "HEENA ASHOKBHAI" <heena.maheshwari@gov.in>

Sent: Thursday, February 1, 2024 3:16:17 PM

Subject: Lok Sabha provisionally admitted Starred Question Diary No. 2122 for answer on 09/02/2024 regarding "Traditional Knowledge and Resources of Medicinal Plants"- reg.

**MOST URGENT
PARLIAMENT MATTER**

Sir/Madam,

Kindly find attached herewith subject cited parliament question.

It is requested that the Question wise information, along with notes for supplementary, may kindly be furnished in hard as well as soft copy to the e-mail addresses: **adviser-ayush@gov.in** and **heena.maheshwari@gov.in** to the undersigned latest by **02/02/2024 (Friday) 02:00pm positively** (in PDF format)

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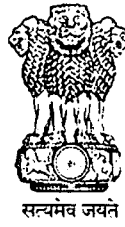
धन्यवाद एवं हार्दिक सादर, Thanks & warm regards

औषधि नीति अनुभाग, Drug Policy Section,
एनबीसीसी कार्यालय परिसर - तृतीय (द्वितीय तल), NBCC Office Block-3 (2nd Floor),
किदवई नगर पूर्व, East Kidwai Nagar
आयुष मंत्रालय, Ministry of Ayush
भारत सरकार, Govt. of India
नई दिल्ली, New Delhi

#<https://www.ayush.gov.in/>
#<https://main.ayush.gov.in/ayush-drugs/>
#<http://www.e-aushadhi.gov.in/>



— Question No. 2122.pdf
1 MB



भारत सरकार
GOVERNMENT OF INDIA
पर्यावरण, वन एवं जलवायु परिवर्तन मंत्रालय
MINISTRY OF ENVIRONMENT, FOREST & CLIMATE
CHANGE

भारतीय वनस्पति सर्वेक्षण / BOTANICAL SURVEY OF INDIA
सी.जी.ओ. कॉम्प्लेक्स / CGO COMPLEX
तृतीय एम. एस. ओ. भवन / 3RD MSO BUILDING
पाँचवाँ और छठा तल / 5TH & 6TH FLOOR
डी एफ ब्लॉक, सेक्टर 1 / DF BLOCK, SECTOR 1
साल्टलेक, कोलकाता-६४ / SALT LAKE, KOLKATA – 700064
Tel.: (033) 2321 4050 [Tech. Section] ; E-mail: tech@bsi.gov.in

फाइलसंख्या/File No.: BSI- 286/1 (Parl.) / 2023 -Tech.

दिनांक/Date: 24.07.2023

सेवामे / To

The Secretary of the Govt. of India
Ministry of Environment, Forest & Climate Change
Jor Bagh Road
New Delhi – 110003

(Kind attention: Ms. Geeta Bhatnagar, Under Secretary, MoEF&CC, New Delhi)

Lok Sabha Starred/Unstarred Diary No. 4256 - “Traditional Systems of Treatment and Medicinal Plants”- reg.

Sir,

In reference to the Lok Sabha Starred/Unstarred Diary No. 4256 - “Traditional Systems of Treatment and Medicinal Plants” for answer on 28.07.2023, I am directed to furnish herewith the point wise information for your kind perusal and necessary action.

(a) the names of countries with which India has agreed to sign an agreement for the cooperation in the traditional systems of treatment and homeopathy along with the details thereof;

Answer: This Question does not pertain to Botanical Survey of India, however, as per available information on public platform, India has signed agreements for cooperation in traditional systems of medicine and homeopathy for Cooperation in the field of Traditional Medicine with the following countries:

- 1. United States of America (USA):** India and the USA signed an MoU in 2014 for cooperation in the field of traditional Indian medicine and homeopathy. The agreement aims to promote and popularize traditional systems of medicine in the USA and facilitate greater cooperation between the two countries in this field.
- 2. Mauritius:** India and Mauritius signed an MoU in 2017 for cooperation in the field of traditional systems of medicine and homeopathy. The agreement aims to promote and develop cooperation in the areas of traditional medicine and to exchange information and experts in the field.
- 3. Sri Lanka:** India and Sri Lanka signed an MoU in 2010 for cooperation in traditional systems of medicine and homeopathy. The agreement aims to promote and popularize traditional systems of medicine in Sri Lanka and facilitate greater cooperation between the two countries in this field.
- 4. Nepal:** India and Nepal signed an MoU in 2018 for cooperation in traditional systems of medicine and homeopathy. The agreement aims to promote and popularize traditional systems of medicine in Nepal and facilitate greater cooperation between the two countries in this field.
- 5. Bangladesh:** India and Bangladesh signed an MoU in 2018 for cooperation in the field of traditional medicine. The agreement aims to promote and develop cooperation in the areas of traditional medicine and to exchange information and experts in the field.

These agreements cover a range of activities such as exchange and training of practitioners, joint research, and development of traditional medicines, and promotion of traditional medicine systems through exhibitions, conferences, and seminars.

For further information the AYSUH can provide precise information as it is not pertaining to BSI.

(b) whether there have been any talks with any other country regarding the medicines available in the country as the traditional systems of treatment including the medicinal plants are very vast which has limitless potential in view of the global health scenario; and

Answer: No information is available with Botanical Survey of India.

(c) if so, the details thereof?

Answer: Not Applicable.

This issues with the approval of Director, Botanical Survey of India.

सधन्यवाद/ Thanking you,

भवदीय/Yours sincerely

(Signature)
24/07/2023

(एस. एस. दश / S. S. Dash)

वैज्ञानिकई/ Scientist 'E'

(प्रभारी, तकनीकीअनुभाग / In- charge, Tech. Section)

141-1336
प्रेषित / DESPATCHED
(Signature) 24/07/23

TECHNICAL SECTION
DISPATCHED
No. T- 570
Date : 24.07.2023

Email

Technical Section BSI

Lok Sabha Starred/Unstarred Diary No. 4256 - "Traditional Systems of Treatment and Medicinal Plants"- reg.

From : Technical Section BSI <tech@bsi.gov.in> Mon, Jul 24, 2023 04:04 PM
Subject : Lok Sabha Starred/Unstarred Diary No. 4256 - "Traditional Systems of Treatment and Medicinal Plants"- reg. 1 attachment
To : sobsi2012 <sobsi2012@gmail.com>, IC-Section-AYUSH <ic-ayush@nic.in>
Cc : Ashiho Asosii <aamao@bsi.gov.in>, Dr Sudhansu Sekhar Dash <ssdash@bsi.gov.in>, C M Sabapathy <cmsabapathy@bsi.gov.in>

Sir,

In reference to the Lok Sabha Starred/Unstarred Diary No. 4256 - "**Traditional Systems of Treatment and Medicinal Plants**" for answer on 28.07.2023, I am directed to furnish herewith the point wise information for your kind perusal and necessary action.

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4. Nepal: India and Nepal signed an MoU in 2018 for cooperation in traditional systems of medicine and homeopathy. The agreement aims to promote and popularize traditional systems of medicine in Nepal and facilitate greater cooperation between the two countries in this field.

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These agreements cover a range of activities such as exchange and training of practitioners, joint research, and development of traditional medicines, and promotion of traditional medicine systems through exhibitions, conferences, and seminars.

For further information the AYSUH can provide precise information as it is not pertaining to BSI.

(b) whether there have been any talks with any other country regarding the medicines available in the country as the traditional systems of treatment including the medicinal plants are very vast which has limitless potential in view of the global health scenario; and

Answer: No information is available with Botanical Survey of India.

(c) if so, the details thereof?

Answer: Not Applicable.

**This issues with the approval of Director, Botanical Survey of India.
A signed copy of the letter is attached herewith.**

सधन्यवाद/ Thanking you,

Dr. S.S. Dash
Scientist E & Incharge

.....
Technical Section

**Botanical Survey of India, HQ
Salt Lake City, Kolkata - 700 064**

Emails: *tech@bsi.gov.in ; tech.bsi2021@gmail.com*

BSI-Parl. 4256 -Traditional Systems of Treatment & Medicinal plts..pdf
136 KB

F. No. H-11016/300/2021-IC
Ministry of AYUSH
Government of India

AYUSH BHawan
B Block GPO Complex
INA, New Delhi-110023
Date: 22.07.2023

OFFICE MEMORANDUM

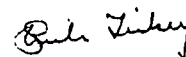
Subject: Lok Sabha Provisionally admitted Unstarred Question Dy No. 4256 for answer on 28.07.2023 regarding Traditional Systems of Treatment and Medicinal Plants-reg.

This is with reference to Lok Sabha Provisionally admitted Unstarred Question Dy No. 4256 for answer on 28.07.2023 regarding Traditional Systems of Treatment and Medicinal Plants'. The Question reads as below:

- (a) the names of countries with which India has agreed to sign an agreement for the cooperation in the traditional systems of treatment and homeopathy alongwith the details thereof;
- (b) whether there have been any talks with any other country regarding the medicines available in the country as the traditional systems of treatment including the medicinal plants are very vast which has limitless potential in view of the global health scenario; and
- (c) if so, the details thereof?

2. It is requested that pointwise reply of the questions may kindly be furnished latest by 3:00 PM on 24.07.2023 to enable us to frame a suitable reply. This may be treated as most urgent as the question is scheduled for 28.07.2023.

3. The reply may be furnished in PDF as well as Ms-Word file format on the email ic-ayush@nic.in



(Shiela Tirkey)

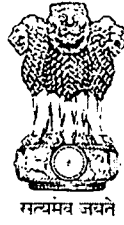
Under Secretary to the Govt of India

Email: ic-ayush@nic.in

To,

1. Directorate General of Commercial Intelligence and Statistics (Kind Attention: Smt. Madhura Chakraborty, Joint Director) Email:
2. Ministry of Environment, Forest and Climate Change (Kind Attention, Additional Secretaries {Parliament/ Coordination/ Gen. Coordination}) Email: ravi.agrawal@nic.in, sricha@ias.nic.in, Khush.singh@gov.in, lal.pyare@nic.in

3. National Medicinal Plants Board (Kind Attention, Shri D. Senthil Pandiyan, Chief Executive Officer) Email: dsenthil@ias.nic.in, fao-nmpb@gov.in
4. Indian Council of Forestry Research and Education (Kind Attention, Sh. A. S. Rawat, Director General) Email: dg@icfre.org
5. Ministry of Tribal Affairs, (Kind Attention: Sh. Biswa Bihari Panigrahi, Deputy Director), Email: biswa.panigrahi@nic.in, ashok.kr13@nic.in
6. Botanical Survey of India (Kind Attention, Dr A. A. Mao, Director) Email: aamao2008@gmail.com, ssdash2002@gmail.com
7. Director General of All Councils (CCRAS, CCRH, CCRUM, CCRS, CCRYN)
8. Director of National Institutes (NEIFM, NEIAH, NRISR)
9. Director General of Pharmexcil
10. Director Ayushexcil
11. National Ayush Mission (NAM), Drug Policy Section Ministry of AYUSH



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GOVERNMENT OF INDIA
पर्यावरण, वन एवं जलवायु परिवर्तन मंत्रालय
MINISTRY OF ENVIRONMENT, FOREST & CLIMATE
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भारतीय वनस्पति सर्वेक्षण / BOTANICAL SURVEY OF INDIA
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दिनांक/Date: 24.07.2023

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Answer: This question does not pertain to Botanical Survey of India.

no information available with

(c) if so, the details thereof?

Answer: Not Applicable.

This issues with the approval of Director, Botanical Survey of India.

सधन्यवाद/ Thanking you,

भवदीय/Yours sincerely

(एस. एस. दाश / S. S. Dash)

वैज्ञानिकई/ Scientist 'E'

(प्रभारी, तकनीकीअनुभाग / In-charge, Tech. Section)