GOVERNMENT OF INDIA
MINISTRY OF AYUSH

LOK SABHA
UNSTARRED QUESTION NO. 3825
TO BE ANSWERED ON 25TH MARCH, 2022

IDENTIFICATION OF MEDICINAL PLANTS AND RARE SPECIES OF HERBS

3825. SHRI RAJIV PRATAP RUDY

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

(a) whether the Government has conducted any survey to identify medicinal plants and rare species of herbs in the country and if so, the details thereof along with the list of plants identified, State/UT-wise including Bihar;
(b) whether the Government has assessed the various uses of these plants and if so, the details thereof with special reference to those in Bihar;
(c) whether the Government has any scheme to promote the cultivation and utilisation of medicinal plants in the country and if so, the details thereof along with amount sanctioned, released and utilised thereunder, State/UT-wise; and
(d) the other steps taken/proposed to be taken by the Government in this regard?

ANSWER
THE MINISTER OF AYUSH
(SHRI SARBANANDA SONOWAL)

Ans. (a) & (b): Yes Sir. Botanical Survey of India (BSI), an organization under Ministry of Environment, Forest and Climate Change has conducted several field surveys and explorations in various phytogeographical regions of the country for floristic studies. Along with this, scientists of BSI have also identified Medicinal and Aromatic Plant species. About 2034 ethnobotanical information were documented on traditional/medicinal knowledge in the tribal regions of Odisha, Gujarat, Bihar, Tharu and Bhoksa tribe of Uttarakhand, Lodh tribes of West Bengal. During the surveys and explorations, apart from documenting floristic accounts, BSI documented ethnobotanical information on traditional/medicinal knowledge in the tribal regions of Odisha, Gujarat, Bihar, Uttarakhand and West Bengal.

Central Council for Research in Ayurvedic Sciences (CCRAS) under Ministry of Ayush conducting Medico-Ethno-Botanical Survey Programme across different forest areas/geographical regions in the country through its various peripheral institutes. List of institutes and State/UT-wise list of the medicinal plants including Bihar, surveyed are at **Annexure-I.** During this Programme, various folklore claims of the surveyed plants are being collected and documented.

In addition, other Research Councils *viz.* Central Council for Research in Unani Medicine (CCRUM), Central Council for Research in Homoeopathy (CCRH) and Central Council for Research in Siddha (CCRS) under Ministry of Ayush are engaged in survey,

identification and documnetation activities on medicinal plants species. Details are at **Annexure-II**.

The National Medicinal Plants Board (NMPB), Ministry of AYUSH, under its Central Sector Scheme on 'Conservation, Development and Sustainable Management of Medicinal Plants' has also supported R&D projects on survey and identification of medicinal plants. Details of projects supported during last five years are at **Annexure-III.**

Besides**,** ICAR-Directorate of Medicinal and Aromatic Plants Research (DMAPR), Anand, Gujarat and ICAR-All India Coordinated Research Project on Medicinal and Aromatic Plants (ICAR-AICRPs on MAP) conducts various research activities on collection, conservation, evaluation and documentation of germplasm of medicinal and aromatic plants through different AICRP centres including Bihar. The AICRP Centres operating in Bihar are as follows:

1. Bihar Agricultural University (BAU), Islampur, Bihar
2. Dr. Rajendra Prasad Central Agricultural University (DRPCAU), Pusa, Bihar

Ans. (c) Ministry of Ayush, Government of India had implemented the Centrally Sponsored Scheme of the National AYUSH Mission (NAM) during the financial year 2015-16 to 2020-21 to promote the cultivation of Medicinal Plants throughout the country. Under the Medicinal Plants component of the National AYUSH Mission (NAM) scheme, subsidy @30%, 50% and 75% of cultivation cost was provided for cultivation of 140 prioritized medicinal plants species to the farmers through State Implementing Agencies. As per the scheme guidelines, the support was provided for:

(i) Cultivation of prioritized medicinal plants on farmer's land.
(ii) Establishment of nurseries with backward linkages for raising and supply of quality planting material.
(iii) Post-harvest management with forward linkages.
(iv) Primary processing, marketing infrastructure etc.

State-wise details of funds supported under medicinal plants component of National AYUSH Mission (NAM) scheme and from the F.Y. 2015-16 to 2020-21 given at **Annexure-IV.**

In addition, Research Councils under Ministry of Ayush are also involved in cultivation of Medicinal Plants. State-wise details of funds supported are given at **Annexure-V.**

Besides, Department of Biotechnology **(**DBT) has been implementing a programme on Translational Research for Developing Products and Processes from Medicinal and Aromatic Plants by funding R&D projects on various aspects such techniques of biotechnology for identification of elite material and their multiplication, chemical and molecular characterization, production of secondary metabolites, developing standardized, efficacious and safe herbal products, isolation and characterization of novel bioactive with therapeutic potential, generating genomic resources and studying biosynthetic pathways in important medicinal and aromatic plants. The state/UT wise detail of fund allocation is given at **Annexure-VI.** Department of Science and Technology (DST) supports the cultivation and

utilization of medicinal plants through research and development for evaluation of its biological potential, value addition and its field demonstration in case of standardized technologies. The list of projects supported in the last five years is **at Annexure-VII.**

Ans. (d) National Medicinal Plants Board (NMPB), Ministry of AYUSH, Government of India is implementing a Central Sector Scheme on "Conservation, Development and Sustainable Management of Medicinal Plants" under which project based support is provided for survey, inventorization, *in-situ* conservation through development of Medicinal Plants Conservation and Development Areas (MPCDAs), *ex-situ* conservation through establishment of Herbal Gardens, IEC activities (Training /Workshops/ Seminars etc.), Research and Development etc.

Besides, Ministry of Ayush had implemented the Centrally Sponsored Scheme of the National AYUSH Mission (NAM) during the financial year 2015-16 to 2020-21 to promote the cultivation of Medicinal Plants throughout the country. Activities supported under medicinal plants component of National AYUSH Mission (NAM) scheme from the F.Y. 2015-16 to 2020-21 given at **Annexure-VIII.**

Annexure-I

1. Central Council for Research in Ayurvedic Sciences (CCRAS)

- List of institutes involved in Medico-Ethno-Botanical Survey Programme-

S. No.	Name of Institute	State / Union Territory
(1)	Regional Ayurveda Research Institute (RARI), Itanagar	Arunachal Pradesh
(2)	Central Ayurveda Research Institute (CARI) Guwahati	Assam
(3)	Regional Ayurveda Research Institute (RARI) Mandi	Himachal Pradesh
(4)	Central Ayurveda Research Institute (CARI) Bengaluru	Karnataka
(5)	National Research Institute for Panchakarma, Cheruthuruthy	Kerala
(6)	Regional Ayurveda Research Institute (RARI), Pune	Maharashtra
(7)	Regional Ayurveda Research Centre (RARC), Dimapur	Nagaland
(8)	Central Ayurveda Research Institute (CARI) Jhansi	Uttar Pradesh
(9)	Regional Ayurveda Research Institute (RARI) Ranikhet	Uttarakhand

- Consolidated list of Medicinal Plants collected State wise under Medico-Ethno -Botanical Survey

S.No.	States/Union Territory	No. of Plants Collected
1.& 2.	Andhra Pradesh (Including Telangana)	317
3.	Arunachal Pradesh	261
4.	Assam	377
5.	**Bihar**	**86**
6.	Chattisgarh	34
7.	Gujarat	7
8.	Himachal Pradesh	227
9.	Jharkhand	10
10.	Karnataka	400
11.	Kerala	152
12.	Madhya Pradesh	161
13.	Maharashtra	191
14.	Manipur	104
15.	Meghalaya	376
16.	Mizoram	194
17.	Nagaland	131
18.	Orissa	1
19.	Rajasthan	113
20.	Sikkim	450
21.	Tamil Nadu	1
22.	Tripura	361
23.	Uttar Pradesh	199
24.	Uttarakhand	226
25.	West Bengal	135
26.	Andaman & Nicobar Islands	76

List of plant species surveyed in Bihar

S.No.	Botanical Name
1.	*Abrus precatorius* Linn.
2.	*Abutilon indicum* (L.) Sweet
3.	*Acacia Arabica* Willd.
4.	Acacia concinna DC.
5.	Acacia farnesiana Willd.
6.	*Acalypha indica* L.
7.	*Alangium salvifolium* (L.)f. Wang.
8.	Albizia lebbek Benth.
9.	*Alstonia scholaris* R.Br.
10.	*Alternanthera sessilis* (L.)R.Br.
11.	*Andrographis paniculata* Nees.
12.	*Argyreia nervosa* Roxb.
13.	*Asparagus racemosus* Willd.
14.	Azadirachta indica A. Juss.
15.	*Balanites roxburghii* Planch.
16.	Baliospermum montanum Muell- Arg
17.	*Butea monosperma* (Lam)Kuntz.
18.	Byttneria herbacea Roxb.
19.	Caesalpinia bonduc (L.) Thumb.
20.	*Caesalpinia digyna* Rottl.
21.	Caesalpinia digyna Rottle
22.	*Celastrus paniculatus* Willd.
23.	Clerodendrum serratum (L) Moon
24.	Croton tiglium Linn.
25.	Cyperus rotundus Linn.
26.	*Desmodium gangeticum* DC.
27.	Dillenia indica Linn.
28.	Dioscorea
29.	*Diospyros melanoxylon* Roxb.
30.	*Dragea volubilis* Benth.& Hook.
31.	*Eclipta alba* Hask.
32.	*Embelia ribes* Burm. F.
33.	*Embelica officinalis* Gaertn.
34.	Euphorbia fusiformis Ham. Syn- E. acaulis Roxb.
35.	*Evolvulus alsinoides* L.
36.	Gardenia turgida Roxb.
37.	Gymnema sylvestris R. Br.
38.	Helecteres isora Linn.
39.	Holarrhena antidysenterica (L.) wall
40.	*Hyptis suoveolens* Poir.
41.	Justicia adhatoda L. syn- Adhatoda vasica Nees.
42.	*Linum usitatissimum* L.
43.	*Loranthus longiflorus* Desv.
44.	Lygodium flexuosum (L.) Sw
45.	*Mallotus philippinensis* L.
46.	Marsdenia tenacissima Wight & Arm
47.	Martyma annua Linn.
48.	Mucuna macrophylla DC.

49.	*Nelumbo nucifera* Gaertn.
50.	Nigella sativa L.
51.	*Nyctanthes arbotristris* L.
52.	Odina wodier Roxb. syn Lannea grandis Engl
53.	Ougeinia dalbergioides Benth.
54.	*Pedalium murex* L.
55.	Pergularia extensa N.E. Br.
56.	*Piper longum* L.
57.	Plumbago zeylanica L.
58.	*Pterocarpus marsupium* Roxb.
59.	*Pueraria perpenti* DC.
60.	Pueraria tuberosa DC.
61.	*Randia dumetorum* Lam.
62.	Randia spinosa Poir. Syn- R. dumentorum Poir.
63.	Rauvolfia serpentina Benth ex Kurz.
64.	*Ricinus communis* L.
65.	*Sapindus laurifolius* L.
66.	Sarcostemma acidum syn- S. brevistigma Wight & Arn.
67.	*Scindapsus officinalis* Schott.
68.	Selaginella
69.	*Semicarpus anacardium* L.
70.	*Sesamum indicum* L.
71.	*Shorea robusta* Gaertn.
72.	*Solanum indicum* L.
73.	Sphaeranthus indicus Linn.
74.	Sterculia alatus
75.	*Tectona grandis* L.f.
76.	*Terminalia arjuna* W.&A.
77.	*Terminalia belirica* Roxb.
78.	*Terminalia chebula* Retz.
79.	*Terminalia citrine* Roxb.
80.	*Terminalia tomentosa* W.&A.
81.	*Tinospora cordifolia* L.
82.	*Tribulus terrestris* L.
83.	*Vanda roxburghii* R.Br.
84.	*Vitex peduncularis* Wall.
85.	*Withania somnifera* Dunal
86.	*Wrightia tinctoria* R.Br.

Annexure-II

Central Council for Research in Unani Medicine (CCRUM) has been undertaking the 'Survey and Cultivation of Medicinal Plants' program through its five Institutes (list is as under) for ethno-botanical surveys in different forest division in different parts of the Country. About 9,000 folklore claims on the plants used by local people for curbing and eradicating diseases have been collected.

SI. No	Name of the Institute
1.	National Research Institute of Unani Medicine for Skin Disorders, Hyderabad.
2.	Regional Research Institute of Unani Medicine, Aligarh.
3.	Regional Research Institute of Unani Medicine, Bhadrak.
4.	Regional Research Institute of Unani Medicine, Chennai.
5.	Regional Research Institute of Unani Medicine, Srinagar.

Central Council for Research in Homoeopathy (CCRH) through its Centre of Medicinal Plants Research in Homoeopathy, (CMPRH) has conducted 206 survey tours. The medicinal plant used in Homoeopathy is published as a book "A handbook of medicinal plants used in homoeopathy" which contains information of 366 medicinal plants. For identification of medicinal plants and rare species of herbs council is carrying out the activities as-

- Different species are under conservation cum germplasm collection to promote plantation.
- Sale of raw drug plant materials.
- Collection of Herbarium specimen.
- Nursery development.
- Transplanting of seedlings to field

Central Council for Research in Siddha (CCRS) is having Siddha Medicinal Plants Garden (SMPG) Mettur Dam, Salem dt.Tamilnadu conducted many general floristic surveys and IMR Project surveys. The list of medicinal plant species is as:-

S.No	Botanical Name
1)	*Couroupita guianensis*Aubl.
2)	*Phoenix dactylifera*L.
3)	*Sphaeranthus amaranthoides*Burm.
4)	*Premna tomentosa*WIilld.
5)	*Dodonaea viscose* (L.) Jacq.
6)	*Cleistanthus collinus* (Roxb.) Benth. & Hook.
7)	*Gmelina asiatica*L.
8)	*Shorea roxburghii* G.Don
9)	*Chloroxylon swietenia* DC.
10)	*Cinnamomum macrocarpum* Hook.f.
11)	*Crotalaria longipes*Wight &Arn.
12)	*Garcinia indica* (Thouars) Choisy
13)	*Chlorophytum tuberosum* (Roxb.) Baker
14)	*Salvadora persica*L.

15)	*Cayratia pedata* (L am.) Gagnep.
16)	*Nothopegia heyneana* Gamble
17)	*Rubus ellipticus*Sm.
18)	*Crotalaria clavata*Wight &Arn.
19)	*Ruta graveolens* L.
20)	*Acorus calamus* L.
21)	*Aegle marmelos* (L.) Correa
22)	*Securinega leucopyrus* (WIilld.) Mull. Arg.
23)	*Schleichera oleosa* (Lour.) Oken
24)	*Zanthoxylum tetraspsermum* Wt. &Arn..
25)	*Gmelina arborea*L.
26)	*Mallotus philippensis* (Lam.) Muell. Arg.
27)	*Maesa indica* (Roxb.) A.DC.
28)	*Garuga indica* Roxb.
29)	*Persea gratissima* Gaertn(f) **Cultivated (Avocado)*

Annexure-III

National Medicinal Plants Board (NMPB)

During last 05 years, details of projects State/UT-wise supported on Survey, identification, and characterization aspect based research activities on various medicinal plants as under:

State/UT	Project title and agency detail
Assam	'Critical appraisal and validation of Local Health Traditions (LHTs), Oral Health Traditions (OHTs) and Ethno Medicinal Practices (EMPs): An inclusive study among Ethnic communities of Northeast India'. Central Ayurveda Research Institute (CARI), Guwahati (Assam), Borsojai, PO- Beltola, Guwahati, Kamrup (M), Assam- 781028
New Delhi	'Collection, Characterization and Conservation of *Bunium persicum*: an Endangered Plant Species'. Tissue Culture and Cryopreservation Unit, ICAR- National Bureau of Plant Genetics Resources, New Delhi- 110012. Plant selected: *Bunium persicum*
Himachal Pradesh	'Survey, mapping, development of cultivation techniques, evaluation of selected germplasm and economics of *Fritillaria roylei* Hook.f., (Kakoli) an important plant of the Ashtavarga Group of Medicinal and Aromatic Plants'. Himalayan Forest Research Institute, Conifer Campus Panthaghati, Shimla-171013. ICAR- NBPGR, Regional Station, Phagli, Shimla, H.P., 171004. Plants selected:- *Fritillaria royleri*
	'Survey, Selection, Phyto-chemical Evaluation, Cytogenetical Characterization and Multi-location testing of Harar (*Terminalia chebula* Rets) in India'. College of Horticulture and Forestry, Dr. YS Parmar University of Horticulture and Forestry, Nauni, Solan-177001. Plant species: *Terminlia chebula* Rets
	'Development of geo-tagged digital database and spectral library of medicinal plants in protected cultivation in the foot hills of Western Himalayas'. Department of High Altitude Biology (HAB) Division, Palampur, Himachal Pradesh-176061.
Karnataka	'Identification of elite types, Molecular Characterization and Conservation of Highly-traded and threatened Medicinal Plants in the Central Western Ghats'. Plant species: *Coscinium fenestratum, Embelia ribes, Salacia oblonga and Mappia foetida.* College of Forestry, UAS Dharwad, SIRSI, Uttra Kannada, Karnataka - 581401, telephone: 9448933680. Ashoka Trust for Research in Ecology and the Environment Conservation Genetics Lab, Royal Enclave Srirampura, Jakkur PO Bengaluru 560064 (ATREE) telephone: 09448182477,

Kerala	'Germplasm conservation and Phytochemical evaluation of *Adhatoda beddomei* C.B.CI. (Cittaadalotakam)'. Department of Botany, University of Kerala, Kariavattom, pin-695581, Thruvananthapuram. Plant species: *Adhatoda beddomei*
Madhya Pradesh	'Germplasm collection and bio-molecular characterization of Black Turmeric (*Curcuma Caesia Roxb.*)' Jawaharlal Nehru KrishiVishwaVidhalya, Jabalpur, Madhya Pradesh-482004 Plant species : *Curcuma caesia Roxb*
Rajasthan	'Exploration and Documentation of Ethno-medicinal Practices of Rural and Tribal Population of Rajasthan'. Department of Food and Biotechnology, JyotiVidyapeeth Women's University, Jaipur – 303122, Rajasthan Plant species: 1. Khairkatha (Acacia catechu (L.f) Willd. 2. Dokanta (Acanthos permumhispidum) DC. 3. AndhiJhara (Achyranthes aspera L.) 4. Danteli (Barleriaprionitis L) 5. Akra (Calotropis procera (Ait) R. Br.) 6. Kair [Capparis decidua (Forsk.) Edgew.] 7. Dholimusali [Chlorophytum tuberosum
West Bengal	'Medicinal orchid: A step towards population for commercial cultivation through collection, conservation and multiplication in Himalayan region of Darjeeling and Sikkim Himalayas'. Department of Genetics and Plant breeding & Plant Breeder, Uttar BangaKrishiViswaVidyalaya (UBKV), Regional Research Satation (HZ), Kalimpong, Darjeeling, West Bengal -734301.

Annexure-IV

The detail of State-wise fund supported under medicinal plants component of National AYUSH Mission (NAM) scheme from the F.Y. 2015-16 to 2020-21

S. No	Name of State	Total NAM				
		(Rs. in lakh)				
		Fund Allocated	**Fund approved**	**Central share released**	**Expenditure Submitted by States**	**Fund utilized**
1	Andhra Pradesh	1291	1246	788	495	0
2	Arunachal Pradesh	277	246	195	39	39
3	Assam	1731	703	632	0	0
4	Andaman & Nicobar	265	0	0	0	0
5	Bihar	4262	287	172	0	0
6	Chandigarh	353	0	0	0	0
7	Chhattisgarh	1469	439	263	82	27
8	Dadra & Nagar Haveli	223	0	0	0	0
9	Daman & Diu	203	0	0	0	0
10	Delhi	426	0	0	0	0
11	Gujarat	1613	848	509	300	0
12	Goa	257	103	62	18	0
13	Haryana	1144	121	73	48	42
14	Himachal Pradesh	515	500	456	325	75
15	Jammu & Kashmir	455	396	339	38	0
16	Jharkhand	1680	0	0	0	0
17	Karnataka	1419	1234	781	415	0
18	Kerala	1371	1087	690	65	0
19	Ladakh	29	0	0	0	0
20	Lakshadweep	189	0	0	0	0
21	Madhya Pradesh	3065	3072	1585	940	0
22	Maharashtra	2163	970	582	403	0
23	Manipur	410	337	309	61	61
24	Meghalaya	352	182	163	123	0
25	Mizoram	313	276	235	198	181
26	Nagaland	440	341	273	239	54
27	Orissa	1852	279	167	0	0
28	Punjab	775	339	203	48	0
29	Puducherry	139	26	23	0	0
30	Rajasthan	2912	1881	1163	687	105
31	Sikkim	171	130	98	56	0
32	Tamil Nadu	1633	1104	663	479	0
33	Telangana	954	731	472	305	0
34	Tripura	352	84	79	32	36
35	Uttar Pradesh	7758	3109	1871	1207	494
36	Uttarakhand	734	644	585	444	57
37	West Bengal	2095	1135	681	332	37
	Total	**45291**	**21849**	**14116**	**7378**	**1207**

Annexure-V

Central Council for Research in Homoeopathy (CCRH) has Centre of Medicinal Plants Research in Homoeopathy, (CMPRH) at Emerald, Nilgiris district, Tamil Nadu cultivating and maintaining 104 plant species (92 exotic and 12 indigenous) used in Homoeopathy. Details of utilization of funds in the last 03 years are as under:

S. No	Financial Year	Utilization of funds	States/UTs
1	2019-20	48,50,651/-	Tamil Nadu
2	2020-21	41,09041/-	Tamil Nadu
3	2021-22	33,48,466/-	Tamil Nadu

Central Council for Research in Siddha (CCRS) through its Siddha Medicinal Plants Garden, Mettur Dam executed two projects for cultivation and utilization of medicinal plants as:

S.No	Project Name:	Fund Sanctioned	scheme	States/UTs
1	'Establishment of Medicinal Plants'	6,25,000/-	Nursery	Tamil Nadu
2	'Production and Distribution of QPMs of *Andrographis paniculata, Indigo feratincoria, Senna alexandrina* and *Aegle marmelos* '	2, 80,000/-	QPM production	Tamil Nadu

Annexure-VI

The state/UT wise detail of fund allocation under programme on Translational Research for Developing Products and Processes from Medicinal and Aromatic Plants-

			Rs. in Lakhs
S.No.	**State/UT Name**	**Sanctioned Amount**	**Released Amount**
1.	Assam	1204.35	598.97
2.	Gujarat	26.91	16.33
3.	Haryana	553.88	180.32
4.	Karnataka	522.49	361.01
5.	Kerala	109.74	76.8
6.	Manipur	58.03	27.04
7.	Odisha	334.67	180.86
8.	Tamil Nadu	74.47	50.9
9.	Uttarakhand	50.32	24.27
10.	Uttar Pradesh	856.54	590.22
11.	Jammu & Kashmir	813.63	380
12.	Delhi	324.29	193.19
	Total	**4929.32**	**2679.91**

Annexure-VII

List of projects supported in cultivation and utilization of medicinal plants during the last five years-

SN	State/UT Name	Project Title and Institution details	Funds Allocated
1	Himachal pradesh	"Socio-Economic Upliftment high Altitude Farmers of Himachal pradesh Through Transfer of micropropogation Technologies for High Value Medicinal Herbs" Jaypee University of Information Technology, Waknaghat, Solan, HP-173 234	Rs 14,16,800/-
		Promotion and post-harvest value addition of four important herbs for improvement of livelihood security in cold desert areas of Himachal Pradesh CSIR- Institute Of Himalayan Bioresource Technology (CSIR-IHBT), Palampur, Himachal Pradesh-176061	Rs 59,69,462/-
		Core support project (Observing profile and testing raw material of Swertiacordata (Chirayita) to contain secondary metabolites for traditional treatment claims such as diabetes, antibacterial, antiviral, fever and liver disorders. Himalayan Research Group (HRG), Shimla, Himachal Pradesh	--
2	Uttar Pradesh	"Identification of elite chemotype (s) of Plumbagozeylancialinn, Collected from India and evaluation of biological potential of elite germplasm" CSIR- National Botanical Research Institute, Lucknow-226001 U.P	Rs21,35,700/-
		''Development of Plant based Synergistic Natural supplement and its Pharmacological Validation to Alleviate Gouty Arthritic Conditions'' CSIR- National Botanical Research Institute, Lucknow-226001 U.P	Rs29,43,400/-
		Scientific validation of anti-malarial formulation from mishmi community (Arunachal) incorporting an endemic plant Coptisteeta Wall CSIR- Central Institute of medical and aromatic plants, PO CIMAP, Near Kukrail Picnic Spot, Lucknow - 226015	Rs 12,04,848?-
3	Gujarat	Livelihood Enhancement Of Selected Rural Women Through Value Addition Of Medicinal Plants Along Gujarat Gujarat Ecology Society, Vadodara, Gujarat	Rs.18,19,902/-

Annexure-VIII

Activities supported under Medicinal Plants Component of National AYUSH Mission (NAM) Scheme of Ministry of AYUSH.															
															(Amount in lakhs)
S. No.	Activities supported	2015-16		2016-17		2017-18		2018-19		2019-20		2020-21		TOTAL	
		Phy.	Fin.	Phy.	Fin.	Phy.	Fin.	Phy.	Fin.	Phy.	Fin.	Phy.	Fin.	Phy.	Fin.
1	**Cultivation of Medicinal Plants (Area in hectare)**	8722	1884	12109	2809	10366	2660	9958	2124	6794	2156	8356		**56305**	**11633**
2	**Establishment of Nursery**	32	313	39	466	38	469	38	431	50	365	23		**220**	**2043**
3	**Post-harvest Management**	62	465	48	435	66	585	52	397	99	710	27		**354**	**2592**
4	**Processing Unit**	1	10	2	40	3	125	1	40	16	227	2		**25**	**442**
5	**Rural / District Collection Centres / Retail outlet**	0	0	11	264	9	218	17	293	2	40	3		**42**	**815**
6	**Seed germplasm centres**	0	0	3	38	5	125	0	0	1	25	1		**10**	**188**
7	**Demonstration plot**	0	0	2	20	2	20	2	23	6	45	3		**15**	**108**
8	**Flexi component**		108		216		344		433		264				**1365**
9	**Fund released**		**2780**		**4287**		**4546**		**3741**		**3832**		**1000**		**20185**