

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

**LOK SABHA
UNSTARRED QUESTION NO. 3582
TO BE ANSWERED ON 16TH MARCH, 2018**

PROMOTION OF MEDICINAL FARMING

**3582. SHRI D.S. RATHOD:
SHRI PARESH RAVAL:
SHRI DEVUSINH CHAUHAN:
SHRI JANARDAN MISHRA:
SHRI BHAIKON PRASAD MISHRA:
SHRI K.C. VENUGOPAL:**

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

- (a) whether the Government proposes to formulate any new measures/schemes for promotion and conservation of medicinal and aromatic plants in the country and if so, the details thereof;
- (b) the details of action taken to protect rare, endangered and threatened species with the backward linkage with established nurseries/seed blocks in various States including Kerala;
- (c) whether the Government has any plan to promote medicinal farming in the country and if so, the details thereof along with subsidy/incentive provided to the farmers for the purpose, scheme and project-wise;
- (d) the details of funds provided by the Government under various schemes, State/UT-wise; and
- (e) the details of action taken to ensure uniform distribution of produce with optimum price fixation to enable good remuneration for farmer/cultivators/ collectors?

ANSWER

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

(a): The NMPB, Ministry of AYUSH at present has no such proposal to formulate any new measures/schemes for promotion and conservation of medicinal and aromatic plants in the country, however, presently the National Medicinal Plants Board (NMPB), Ministry of AYUSH is implementing a “Central Sector Scheme for Conservation, Development and Sustainable Management of Medicinal Plants” under which as per the scheme guidelines project based support is provided for activities like survey-inventorisation, documentation, resource

augmentation, in-situ/ex-situ conservation, establishment of Herbal Gardens, conducting of Seminar/ Conference/ Training/ Workshops/ Buyer-seller meets etc. and Research & Development on various aspects of Medicinal Plants.

(b): The NMPB under its Central Sector Scheme is supporting development of Medicinal Plants Conservation and Development Areas (MPCDAs) to protect/conservate the medicinal plants in wild, along with augmentation in forest areas and the special attention is given to protect rare, endangered and threatened species with backward linkage through establishing of nurseries in different parts of the country including state of Kerala.

(c): To promote the medicinal farming in the country, the Ministry of AYUSH is presently implementing a Centrally Sponsored Scheme of National AYUSH Mission (NAM) under which there is a component on “Medicinal Plants” which primarily aimed at supporting cultivation of medicinal plants on farmer’s land with backward linkages through establishment of nurseries for supply of quality planting material and forward linkages for post-harvest management. The cultivation of medicinal plants is supported by providing financial assistance as subsidy to farmers through the identified implementing agency of concerned state (generally State Horticulture and State Agriculture Departments). Under the scheme presently, Ministry of AYUSH has prioritized 140 species of medicinal plants for cultivation and in this regard financial assistance as subsidy is provided @ 30%, 50% and 75% of the cost of cultivation (List of the prioritized species is at **Annexure-I**). As per the scheme guidelines, the financial assistance for cultivation of medicinal plants is provided based on the State Annual Action Plan approved for concerned State.

(d): The State/UT-wise details of funds provided/released under Ministry of AYUSH’s above Schemes during last three years and current financial year is at **Annexure-II & III**.

(e): NMPB conducts demand and supply study time to time to know the market demand and accordingly promotes its cultivation throughout the country. To facilitate farmers and collectors to get optimum price for their produce, NMPB conducts Buyers Sellers meets throughout the country by itself or through SMPBs and other state agencies. NMPB has also launched an online platform for buyers and sellers which is also supported with mobile based application called ‘e-Charak’ wherein buyers and sellers can interact and sell their produce. There is also monthly mandi price update on major medicinal plants provided to enable farmers get good remuneration for their produce.

Annexure-I

List of 140 Prioritised species of Medicinal Plants for cultivation under Centrally Sponsored Scheme of National AYUSH Mission (NAM)

S.No.	Botanical Name	Common Name	Cost per acre (in Rs.)
PLANTS ELIGIBLE FOR 30% SUBSIDY			
1.	<i>Abrus precatorius</i>	Chirmati, Chinnoti, Gudumani	26880.15
2.	<i>Acorus calamus</i> Linn.	Vach	36602.5
3.	<i>Adhatoda zeylanica</i>	Adusa	10424.15
4.	<i>Aloe vera</i> (Linn.) Burn.	Ghritkumari	24889.7
5.	<i>Alpinia calcarata</i>	Smaller Galangal	33146.74
6.	<i>Alpinia galanga</i>	Greater Galanga	28589.88
7.	<i>Andrographis paniculata</i> (Linn.) Burn	Kalmegh	14641
8.	<i>Artemisia annua</i> (Linn.)	Artemisia	19496.73
9.	<i>Asparagus racemosus</i> Willd.	Shatavari	36602.5
10.	<i>Azadirachta indica</i> A. Juss	Neem	21961.5
11.	<i>Bacopa monnieri</i> (L.) Pennell	Brahmi	23425.6
12.	<i>Bergenia ciliata</i> Stern.	Pashnabheda	40073.99
13.	<i>Boerhaavia diffusa</i> Linn.	Punarnava	17569.2
14.	<i>Cassia angustifolia</i> Vahl.	Senna	14641
15.	<i>Caesalpinia sappan</i> Linn.	Patang	31360.78
16.	<i>Catharanthus roseus</i>	Sadabahar	14641
17.	<i>Celastrus paniculatus</i>	Malkangani, Jyothismathi, Bavanthi Beeja	13000.24
18.	<i>Centella asiatica</i> (Linn.) Urban	Mandookparni	23425.6
19.	<i>Chlorophytum borivillianum</i> Sant.	Shwet Musali	183012.5
20.	<i>Cinnamomum verum</i> Presl	Dalchini,	45387.1
	<i>C. tamala</i> and	Tejpat,	26018.63
	<i>C. camphora</i>	Kapoor	-
21	<i>Citrullus colocynthis</i> Forsk	Indrayan, Colocynth, Chitrphala, Gavaksi, Kasturasa, Trapusi, Bitterm apple	-
22	<i>Clerodendrum phlomoidis</i> L.f	Arni	18827.6
23	<i>Clitoria ternatea</i> L.(Blue & White variety)	Aparajita	18827.6
24	<i>Coleus barbatus</i> Benth.Syn. <i>Coleus forskholii</i>	Pather Chur	25182.52
25	<i>Coleus vettiveroides</i> K.C. Jacob	Hrivera	-
26	<i>Convolvulus microphyllus</i>	Shankhpushpi	19496.73
27	<i>Cryptolepis buchamani</i> Roem & schult	Krsna sariva	24923.58
28	<i>Curcuma augustifolia</i>	Tikhur	-
29	<i>Dacalophis hmiltonii</i>	Nannari	-
30	<i>Digitalis purpurea</i> Linn.	Foxglove	-
31	<i>Dioscorea bulbifera</i> Linn.	Rotalu, Gethi	36602.5
32	<i>Eclipta alba</i> Hassk.	Kesuria, Bhangru, Bhangra, Kesuti, Ajagara, Bringaraj, Kesar raja, Sumilaka, Suparna, Weed yam	14113.44
33	<i>Embelia ribes</i> Burm. f.	Vai Vidang	24889.7

34	<i>Emblica officinalis Gaertn.</i>	Amla	38066.6
35	<i>Ephedra gerardiana Wall.</i>	Somlata	-
36	<i>Garcinia indica Choisy</i>	Kokum	36602.5
37	<i>Ginkgo biloba</i>	Ginkgo	-
38	<i>Gymnema sylvestre R. Br.</i>	Gudmar	14641
39	<i>Hedychium spicatum Buch-Ham.ex Smuth</i>	Kapur kachari	23425.6
40	<i>Hemidesmus indicus R.Br.</i>	Anantmool, Indian Sarsaparilla	20497.4
41	<i>Holarrhena antidysenterica Wall.</i>	Kurchi/Kutaj	10775.05
42	<i>Hyoscyamus niger L.</i>	Khurasani ajwane	-
43	<i>Ipomoea mauritiana / Ipomoea digitata</i>	Giant potato	-
44	<i>Ipomoea petaloidea Choisy</i>	Vrddhadaruka	-
45	<i>Ipomoea turpethum R. Br.</i>	Trivrit	15606.58
46	<i>Kaempferia galanga</i>	Indian crocus	26704.7
47	<i>Litsea glutinosa</i>	Listea	-
48	<i>Lepidum sativum Linn.</i>	Chandrasur	14406.26
49	<i>Mucuna prurita Linn.</i>	Konch	11712.8
50	<i>Ocimum sanctum Linn.</i>	Tulsi	17569.2
51	<i>Oryza sativa cv Njavara</i>	Scented rice	-
52	<i>Phyllanthus amarus Schum & Thonn.</i>	Bhumi amlaki	16105.1
53	<i>Piper longum Linn.</i>	Pippali	36602.5
54	<i>Plantago ovata</i>	Isabgol	14113.44
55	<i>Pluchea lanceolata (DC) CB Clark.</i>	Rasna	-
56	<i>Plumbago rosea</i>	Leadwort	-
57	<i>Pseudarthria viscida</i>	Moovila	-
58	<i>Psoralea corylifolia L.</i>	Bakuchi	8784.6
59	<i>Rubia cordifolia Linn</i>	Manjishtha	58564
60	<i>Sida cordifolia</i>	Flannel weed	14055.36
61	<i>Solanum anguivi</i>	Katheli-badhi	1422.96
62	<i>Solanum nigrum Linn.</i>	Makoy	14641
63	<i>Stevia rebaudiana</i>	Madhukari	60280.00
64	<i>Tephrosia purpurea Pers</i>	Pawad, Dhamasia, Kalika, Plihari, Sharapunkha, Purple Tephrosia, Wild Indigo, Empali	14523.63
65	<i>Terminalia arjuna (Roxb.) Wt. & Arn.</i>	Arjuna	26353.8
66	<i>Terminalia bellirica Gaertn.</i>	Behera	23425.6
67	<i>Terminalia chebula Retz.</i>	Harad	23425.6
68	<i>Tinospora cordifolia Miers</i>	Giloe	16105.1
69	<i>Tragia involucrate</i>	Barhanta	-
70	<i>Trichosanthes cucumerina</i>	Patol panchang	-
71	<i>Valeriana hardwickii</i>	Tagar-ganth, Nihani	-
72	<i>Vitex nigundo</i>	Nirgundi	14641
73	<i>Vetiveria zizanoides</i>	Khas- khas grass	-
74	<i>Withania somnifera (Linn.) Dunal</i>	Ashwagandha	14641
75	<i>Woodfordia fruticosa Kurz.</i>	Dhataki	-

PLANTS ELIGIBLE FOR 50% SUBSIDY			
76	<i>Abies webbiana</i> Lindl	Talispatra	-
77	<i>Acacia catechu</i>	Katha	10424.15
78	<i>Aegle marmelos</i> (Linn) Corr.	Beal	23425.6
79	<i>Albizia lebbek</i> Benth.	Shirish	21961.5
80	<i>Alstonia scholaris</i> R.Br.	Satvin, Saptaparna	19530.61
81	<i>Altingia excelsa</i> Noronha	Silarasa	-
82	<i>Anacyclus pyrethrum</i> DC.	Akarkara	-
83	<i>Atropa belledona</i>	Atropa	36602.5
84	<i>Coscinum fenastratum</i> (Gertn) Colebr.	Peela Chandan	-
85	<i>Crataeva nurvala</i> Buch – Ham.	Varun	10424.15
86	<i>Curculigo orchioides</i>	Kali Musali, Musli shiya	-
87	<i>Dactylorhiza hatagirea</i> hatagirea (D.Don) Soo	Salampanja	-
88	<i>Desmodium gangeticum</i>	Sarivan	26353.8
89	<i>Gloriosa superba</i> Linn.	Kalihari	80525.5
90	<i>Glycyrrhiza glabra</i> Linn.	Licorice Roots, Mulethi	58564
91	<i>Gmelina arborea</i> Linn.	Gambhari	26353.8
92	<i>Hippophae rhamnoides</i> Linn.	Seabuckthorn	29282
93	<i>Inula racemosa</i> Hk. f.	Pushkarmool	22136.95
94	<i>Juniperus cumminis</i> Linn	Hapushal, Hanber, Juniper, Bethar, Hapusha	-
95	<i>Jurinea macrocephala</i> Benth.	Dhoop, Jari-dhoop	-
96	<i>Leptadenia reticulata</i> (Retz) Wt. & Arn.	Jivanti	36602.5
97	<i>Mesua ferrea</i> Linn.	Nagakeshar	10424.15
98	<i>Onosma hispidum</i> Wall.ex Don	Ratanjot	-
99	<i>Panax pseudo-ginseng</i>	Ginseng	-
100	<i>Parmelia perlata</i> Ach.	Saileya	-
101	<i>Piper cubeba</i> Linn. f.	Kababchini	-
102	<i>Plumbago zeylanica</i> Linn.	Chitrak	17569.2
103	<i>Pueraria tuberosa</i> DC.	Vidarikand	29282
104	<i>Premna integrifolia</i> Linn.	Agnimanth	14641
105	<i>Pterocarpus marsupium</i> Roxb.	Beejasar	32210.2
106	<i>Rauwolfia serpentina</i> Benth. ex Kurz	Sarpgandha	36602.5
107	<i>Rheum emodi</i>	Archa	118592.1
108	<i>Salacia reticulata</i> , <i>Salacia oblongata</i>	Saptachakra (Saptarangi)	-
109	<i>Saraca asoca</i> (Roxb.) De Wilde	Ashok	36602.5
110	<i>Smilax china</i> Linn.	Hrddhatri (Madhu snuhi), Chob Chini Lokhandi	29282
111	<i>Stereospermum suaveolens</i> DC.	Patala	10775.05
112	<i>Symplocos racemosa</i> Roxb	Lodh/Pathani	-
113	<i>Tacomella undulate</i> (Sm.) Seem.	Rohitak	10424.15
114	<i>Tricopus zeylanicus</i>	Jeevani	-
115	<i>Tylophora asthmatica</i>	Damabooti	-
116	<i>Taxus wallichiana</i> Linn.	Thuner, Talispotra	-
117	<i>Urarea picta</i> (Jacq.) Desv.	Prishnaparni	24304.06

118	<i>Valeriana wallichii</i>	Indian Valerian	35138.4
119	<i>Vateria indica</i>	Mandadhupa, Dupa	-
120	<i>Viola Odorata</i>	Bunafsha	-
121	<i>Zanthoxylum alatum</i>	Timoor	17569.2
PLANTS ELIGIBLE FOR 75% SUBSIDY			
122	<i>Aconitum ferox</i> Wall./ <i>A. balfourii</i>	Vatsnabh	47101.67
123	<i>Aconitum chasmanthum</i> Stapf	Vatsnabh(API)	-
124	<i>Aconitum heterophyllum</i> Wall. ex Royle	Atees	64420.4
125	<i>Aquilaria agallocha</i> Roxb.	Agar	19530.61
126	<i>Berberis aristata</i> DC.	Daruhaldi	36602.5
127	<i>Commiphora wightii</i> (Arn.) Bhandari	Guggal	93702.4
128	<i>Coptis teeta</i> Wall.	Mamira	-
129	<i>Ferula foetida</i> Regel.	Hing	-
130	<i>Gentiana kurroo</i> Royle	Trayamana	-
131	<i>Mappia foetida</i> Miers.	Ghanera	-
132	<i>Nardostachys jatamansi</i> DC.	Jatamansi	118592.1
133	<i>Oroxylum indicum</i> Vent.	Syonaka	26353.8
134	<i>Picrorhiza kurroa</i> Benth. ex Royle	Kutki	65884.5
135	<i>Podophyllum hexandrum</i> Royle.	Bankakri, Indian podophyllum	58564
136	<i>Polygonatum cirrhifolium</i> Wall.	Mahameda	-
137	<i>Pterocarpus santalinus</i>	Raktachandan, Red sanders	33088.66
138	<i>Santalum album</i> Linn.	Chandan	28519.7
139	<i>Saussurea costus</i> C.B. Clarke	Kuth, Kustha	51243.5
140	<i>Swertia chirata</i> Buch-Ham	Chirata, Charayatah	48315.3

Annexure – II**The State/UT-wise Funds released under the Central Sector Scheme on Conservation, Development and Sustainable Management of Medicinal Plants during last three years and current financial year**

Name of the State	2014-15	2015-16	2016-17	2017-18
	Released Amount (Rs. in lakh)	Released Amount (Rs. in lakh)	Released Amount (Rs. in lakh)	Released Amount (Rs. in lakh)
Andhra Pradesh	761.93	26.25	386.85	82.55
Arunachal Pradesh	0	79.09	189.55	51.42
Assam	0	175.26	69.09	59.07
Bihar	0	0	0	0
Chattisgarh	222.36	171.67	158.49	150.84
Delhi	114.12	118.53	115.28	199.84
Goa	0	25.00	39.62	3.00
Gujarat	238.22	143.22	477.46	300.30
Haryana	4.69	0	142.19	153.91
Himachal Pradesh	272.74	165.85	41.03	129.47
Jammu & Kashmir	31.19	10.87	49.86	136.65
Jharkhand	618.00	86.87	0	12.00
Karnataka	917.39	168.35	272.66	178.37
Kerala	159.72	252.24	404.90	240.8
Madhya Pradesh	11.24	632.55	356.44	550.14
Maharashtra	351.72	794.59	465.34	526.31
Manipur	17.20	452.91	28.53	599.18
Meghalaya	0	0	0	0
Mizoram	11.00	176.18	30.00	115.39
Nagaland	87.77	19.58	79.76	80.40
Orissa	31.00	72.02	65.00	57.54
Punjab	0	8.00	112.38	17.75
Rajasthan	332.83	457.99	513.97	315.48
Sikkim	611.82	302.56	205.28	323.56
Tamil Nadu	8.40	117.04	122.93	162.41
Tripura	216.43	130.42	0	0
Uttarakhand	138.33	203.41	286.99	127.73
Uttar Pradesh	58.93	79.35	101.65	117.72
West Bengal	573.08	20.48	102.40	251.31
Andaman & Nicobar	0	0	21.00	28.72
Chandigarh	6.46	10.00	28.19	17.50
D&N Haveli	0	0	0	0
Daman & Diu	0	0	0	0
Lakshadweep	2.69	15.00	0	0
Pondicherry	0	0	0	1.20
Telangana	12.00	379.70	65.00	133.32
Total	5811.26	5294.98	4931.84	5123.88

Annexure-III

The State/UT-wise funds released under Medicinal Plants component of Centrally Sponsored Scheme of National AYUSH Mission during last three years and current financial year

Name of State	2014-15	2015-16	2016-17	2017-18
	Released Amount (Rs. in lakh)	Released Amount (Rs. in lakh)	Released Amount (Rs. in lakh)	Released Amount (Rs. in lakh)
Andhra Pradesh	1200.61	133.780	457.16	211.872
Arunachal Pradesh	0	0	42.779	61.11
Assam	0	0	120.239	392.284
Bihar	0	0	0	0
Chhattisgarh	0	0	152.63	178.21
Gujarat	172.25	168.415	212.189	158.7
Goa	0	0	14.47	26.59
Haryana	87.5	51.6788	69.188	0
Himachal Pradesh	0	61.981	170.069	75.543
Jammu & Kashmir	0	54.893	55.17	80.246
Jharkhand	0	0	0	0
Karnataka	110.82	137.204	203.331	219.341
Kerala	0	126.5225	168.681	259.655
Madhya Pradesh	507.3	306.905	496.382	450.275
Maharashtra	589.88	205.877	0	355.008
Manipur	73.06	60.80	70.875	85.498
Meghalaya	**172.62	0	45.018	91.48
Mizoram	57.72	14.384	44.317	168.887
Nagaland	102.06	60.414	41.379	100.891
Orissa	191.53	0	117.548	0
Punjab *	0	0	129.66	0
Puducherry	0	0	4.96	0
Rajasthan	42.51	113.532	226.055	747.846
Sikkim	77.24	30.731	31.706	24.98
Tamil Nadu	926.57	144.224	252.725	228.275
Tripura	53.23	36.064	0	0
Telangana	0	111.316	252.085	118.294
Uttar Pradesh	0	720.012	528.173	249.179
Uttarakhand	202.03	60.466	195.367	130.147
West Bengal	0	180.631	184.941	201.979
Total	4566.93	2779.8303	4287.097	4616.29