

**GOVERNMENT OF INDIA
MINISTRY OF AYUSH
RAJYA SABHA
UNSTARRED QUESTION NO. 2729
ANSWERED ON 17/03/2026**

“Development of Medicinal and Herbal Plants in the country”

2729. Shri Sana Sathish Babu:

Will the Minister of AYUSH be pleased to state:

- (a) the details of cluster-based cultivation of herbal and medicinal plants identified across the country, especially in Andhra Pradesh, indicating species, area (in hectares) and year of coverage, State-wise;
- (b) the subsidies released till date, farmers benefitted and post-harvest support measures including funds allocated and utilised in Andhra Pradesh, year-wise;
- (c) the number and details of Medicinal Plants Business Centres (MPBCs), State-wise including Andhra Pradesh;
- (d) the high-demand species identified nationally, including those in Andhra Pradesh receiving funding support; and
- (e) the export value of medicinal and herbal products during the last five years and measures taken to enhance farmers’ income, State-wise?

ANSWER

**THE MINISTER OF STATE (INDEPENDENT CHARGE) OF THE MINISTRY OF
AYUSH
(SHRI PRATAPRAO JADHAV)**

(a) As per the information received from Ministry of Agriculture & Farmers Welfare, Mission for Integrated Development of Horticulture (MIDH), a Centrally Sponsored Scheme is being implemented for holistic growth of the horticulture sector covering fruits, vegetables, root and tuber crops, mushrooms, spices, flowers, aromatic and medicinal plants, coconut, cashew, cocoa and bamboo. All States (including Andhra Pradesh) and UTs are covered under MIDH.

Under MIDH scheme, provision has been made for providing assistance for area expansion of short duration medicinal plants i.e. non-perennial in nature and non-tree species. Details of cost norms alongwith the pattern of assistance is given **at Annexure-I**.

Presently, there is no scheme for cultivation of medicinal plants in National Medicinal Plants Board (NMPB), Ministry of Ayush. However, Ministry of Ayush, Government of India

had implemented Centrally Sponsored Scheme of National Ayush Mission (NAM) to promote the cultivation of medicinal plants since 2015-16 to 2020-21. Under the medicinal plants component of National Ayush Mission scheme, the Ministry of Ayush had identified 140 medicinal plants for cultivation throughout the country. Ministry of Ayush had supported 56305 hectare area under cultivation of medicinal plants throughout the country including Andhra Pradesh from the financial year 2015-16 to 2020-21. The detail is given at **Annexure-II**. As per the information received from the Andhra Pradesh, the 15682.3 hectare area was supported by SMPB, Andhra Pradesh for cultivation of medicinal and aromatic plants during the F.Y. 2025-26. The detail is given at **Annexure-III**.

(b) No fund was released for the subsidy to the farmers and Post-Harvest measures onwards F.Y. 2020-21 as there was no scheme for cultivation of medicinal plants in National Medicinal Plants Board, M/o Ayush, however as per the information received from the SMPB, Andhra Pradesh, the subsidy was given to 9785 farmers under medicinal plants component of National Ayush Mission Component from the F.Y. 2015-16 to 2020-21. The detail is given at **Annexure-IV**.

Besides this, NMPB has supported a project entitled "Forward and backward linkage in supply chain of medicinal plants" to the State Medicinal Plants Board, Andhra Pradesh under Integrated Component wherein 04 Post Harvest Management Units were approved.

(c) NMPB, M/o Ayush has added a new component namely "**Medicinal Plants Business Centre (MPBC)**" in the existing scheme of Central Sector Scheme for Conservation, Development and Sustainable Management of Medicinal Plants of the National Medicinal Plants Board in the month of September, 2025. Till date, no proposal has been approved to any state under MPBC Component.

(d) National Medicinal Plants Board (NMPB) has supported a demand and supply study through Indian Council for Forestry Research and Education (ICFRE), Dehradun, entitled "Medicinal Plants in India: An assessment of their Demand and Supply" by G.S. Goraya & D.K. Ved published in the year 2017. As per the study, the annual demand of herbs/medicinal plants in the country was estimated to be about 5,12,000 Metric Ton in 2014-15. As per the study about 1178 medicinal plants species are recorded in practices of trade, out of which 242 species are traded in high volume with an estimate of more than 100 MT per annum. The study was published in 2017 and is available on the website of NMPB i.e. (https://nmpb.nic.in/sites/default/files/Projects/Medicinal_Plants_in_India_An_Assessment_of_their_Demand_and_Supply.pdf).

NMPB, M/o Ayush has supported prioritised medicinal plants to the State Medicinal Plants Board, Andhra Pradesh under cultivation activity of National Ayush Mission Scheme from the F.Y. 2015-16 to 2020-21. The detail is given at **Annexure- V**.

(e) Data for Export of medicinal plants is not maintained at NMPB. However, the value of the trade of Medicinal Plants recorded under Chapter 12 of HS-Code 1211(PLNTS AND PRTS OF PLNTS INCLD SEDS AND FRUTS USD FOR PRFUMRY PHRMACY/INSCTCIDL OR SMLR PUR FRSH/DRID, CHLD/FROZ W/N CUT CRSHD) are given below:

| Year | 2020-21 | 2021-22 | 2022-23 | 2023-24 | 2024-25 |
|----------------|----------|----------|----------|----------|----------|
| Export (in Cr) | 2,796.72 | 3,155.28 | 3,499.53 | 4,030.64 | 4,508.54 |
| Growth (%) | 39.21 | 12.82 | 10.91 | 15.18 | 11.86 |

NMPB, Ministry of Ayush, Government of India has added a component namely Forward and backward linkage in supply chain of medicinal plants (Integrated Component) in the existing Central Sector Scheme (CSS) on “Conservation, Development and Sustainable Management of Medicinal Plants” to enhance farmers’ income. Under the Integrated component of CSS scheme, the following activities are being supported:

- Infrastructure for Quality Planting Material to raise the planting material of medicinal plants for cultivation.
- Information Education Communication (IEC) activities to aware the farmers.
- Infrastructure for Post-Harvest Management and Marketing to increase the marketability of the medicinal plants, adding value to the produce, increasing profitability and reducing losses.
- Quality Testing and Certification of raw material.

National Medicinal Plants Board, Ministry of Ayush, has approved total 15 project proposals under Forward and Backward Linkages in supply chain of Medicinal Plants (Integrated Component) of Central Sector Scheme of NMPB from the Financial Year 2023 - 24 to till date. Out of 15 project proposals, the fund was released only for 7 projects. The detail is given at **annexure - VI**.

Annexure-I

Cost norms for medicinal plants cultivation under MIDH Scheme:

| Name of the Component | Cost Norms | Pattern of Assistance |
|---|-----------------|---|
| Medicinal Plants (Mulethi, Shatavari, Kalihari, Shwet Musali, Guggle, Manjishtha, Kutki, Atees, Jatamansi, Ashwagandha, Brahmi, Tulsi, Vidarikand, Pippali, Chirata, Pushkarmool) | Rs. 1.5 Lakh/ha | Assistance @ 40% in general areas for an area upto 2 hectare on pro rata basis for meeting the expenditure on planting material and cost of material for INM/IPM etc. in 2 instalments of 60:40 In the case of NE & Himalayan States, Scheduled areas including TSP (Tribal Sub Plan) areas, vibrant villages, Andaman & Nicobar and Lakshadweep Islands, assistance will be @ 50% for an area upto 2 ha. on pro rata basis. |

Annexure-II

State wise area supported for cultivation of medicinal plants under medicinal plants component of National Ayush Mission (NAM) scheme from the F.Y. 2015-16 to 2020-21:

| S.No. | State | 2015-16 | 2016-17 | 2017-18 | 2018-19 | 2019-20 | 2020-21 | Total |
|--------------|-------------------|----------------|----------------|----------------|----------------|----------------|----------------|--------------|
| 1 | Andhra Pradesh | 447 | 1160 | 897 | 508 | 1338 | 0 | 4350 |
| 2 | Arunachal Pradesh | 0 | 142 | 71 | 9 | 44 | 98 | 364 |
| 3 | Assam | 0 | 261 | 225 | 138 | 0 | 0 | 624 |
| 4 | Bihar | 0 | 0 | 0 | 0 | 175 | 0 | 175 |
| 5 | Chhattisgarh | 0 | 220 | 72 | 108 | 0 | 0 | 400 |
| 6 | Goa | 0 | 23 | 30 | 30 | 30 | 0 | 113 |
| 7 | Gujarat | 141 | 192 | 85 | 518 | 0 | 0 | 936 |
| 8 | Haryana | 175 | 245 | 0 | 0 | 0 | 0 | 420 |
| 9 | Himachal Pradesh | 39 | 120 | 7 | 0 | 70 | 0 | 236 |
| 10 | Jammu & Kashmir | 9 | 34 | 21 | 24 | 28 | 25 | 141 |
| 11 | Karnataka | 529 | 706 | 769 | 469 | 353 | 1100 | 3926 |
| 12 | Kerala | 258 | 535 | 736 | 410 | 0 | 330 | 2269 |
| 13 | Madhya Pradesh | 1681 | 2518 | 2030 | 1262 | 790 | 4270 | 12551 |
| 14 | Maharashtra | 327 | 0 | 444 | 0 | 520 | 0 | 1291 |
| 15 | Manipur | 142 | 242 | 142 | 60 | 30 | 0 | 616 |
| 16 | Meghalaya | 0 | 48 | 22 | 0 | 108 | 0 | 178 |
| 17 | Mizoram | 59 | 27 | 65 | 187 | 6 | 29 | 373 |
| 18 | Nagaland | 51 | 138 | 250 | 103 | 0 | 210 | 752 |
| 19 | Orissa | 0 | 488 | 0 | 378 | 0 | 0 | 866 |
| 20 | Puducherry | 0 | 43 | 0 | 2 | 5 | 0 | 50 |
| 21 | Punjab | 0 | 242 | 0 | 16 | 340 | 0 | 598 |
| 22 | Rajasthan | 330 | 1163 | 1341 | 519 | 760 | 0 | 4113 |
| 23 | Sikkim | 63 | 32 | 84 | 0 | 0 | 58 | 237 |
| 24 | Tamil Nadu | 633 | 960 | 673 | 765 | 900 | 0 | 3931 |
| 25 | Telangana | 345 | 294 | 457 | 237 | 341 | 0 | 1674 |
| 26 | Tripura | 45 | 0 | 0 | 211 | 0 | 0 | 256 |
| 27 | Uttarakhand | 153 | 148 | 183 | 110 | 208 | 0 | 802 |
| 28 | Uttar Pradesh | 3188 | 1898 | 1345 | 3633 | 0 | 2236 | 12300 |
| 29 | West Bengal | 107 | 230 | 417 | 261 | 748 | 0 | 1763 |
| TOTAL | | 8722 | 12109 | 10366 | 9958 | 6794 | 8356 | 56305 |

Annexure-III

Species wise area covered under cultivation of medicinal and aromatic plants by Andhra Pradesh during the F.Y. 2025-26:

| SL. No | Name of the Crop | Area in (hectare) | Per Hectare Yield (Qtls) | Production in Qtls | Rate per kg | Total Value (in lakh) |
|--------------|--|-------------------|--------------------------|--------------------|--------------|-----------------------|
| 1 | <i>Aloe vera</i> (Ghritkumari) | 778.3 | 49.4 | 38450 | 10 | 384.5 |
| 2 | <i>Phyllanthus emblica</i> (Amla) | 44.0 | 98.8 | 4355 | 150 | 653.25 |
| 3 | <i>Bixa orellana</i> (Sindhoora) | 2801.6 | 4.94 | 13840 | 90 | 1245.6 |
| 4 | <i>Withania Somnifera</i> (Ashwagandha) | 1847.0 | 4.94 | 9124 | 260 | 2372.24 |
| 5 | <i>Asparagus racemosus</i> (Shatavari) | 48.9 | 24.7 | 1209 | 900 | 1088.1 |
| 6 | <i>Bacopa monneri</i> (Brahmi) | 31.8 | 37.05 | 1178 | 444 | 523.032 |
| 7 | <i>Cymbopogon nardus</i> (Citronella Oil) | 216.2 | 1.235 | 267 | 1450 | 387.15 |
| 8 | <i>Plectranthus barbatus</i> (Pashana bhedi) | 20.0 | 12.35 | 247 | 400 | 98.8 |
| 9 | <i>Andrographis paniculata</i> (Kalmegh) | 32.1 | 37.05 | 1188 | 90 | 106.92 |
| 10 | <i>Abelmoschus moschatus</i> (Kasturi benda) | 11.1 | 123.5 | 1372 | 200 | 274.4 |
| 11 | <i>Mucuna pruriens</i> (Doolagondi) | 28.1 | 37.05 | 1041 | 130 | 135.33 |
| 12 | <i>Hemidesmus indicus</i> (Nannari) | 7918.0 | 4.94 | 39115 | 350 | 13690.3 |
| 13 | <i>Piper longum</i> (Pippalli) | 816.0 | 4.94 | 4031 | 400 | 1612.4 |
| 14 | <i>Rauvolfia serpentina</i> (Sarpagandha) | 16.0 | 44.46 | 714 | 700 | 499.8 |
| 15 | <i>Senna alexandrina</i> (Sonamukhi) | 22.7 | 9.88 | 224 | 150 | 33.6 |
| 16 | <i>Acorus calamus</i> (Vach) | 4.0 | 24.7 | 100 | 270 | 27 |
| 17 | <i>Ocimum sanctum</i> (Tulsi) | 316.4 | 49.4 | 15631 | 250 | 3907.75 |
| 18 | <i>Tinospora cordifolia</i> (Tippateega) | 33.2 | 98.8 | 3280 | 110 | 360.8 |
| 19 | <i>Moringa oleifera</i> (Munaga) | 201.2 | 49.4 | 9940 | 165 | 1640.1 |
| 20 | <i>Cymbopogon citratus</i> (Lemon grass) | 142.5 | 7.41 | 1056 | 1200 | 1267.2 |
| 21 | <i>Cymbopogon martinii</i> (Palmarosa) | 153.8 | 0.6175 | 95 | 4000 | 380 |
| 22 | <i>Chrysopogon zizanioides</i> (Vetiver) | 199.2 | 24.7 | 4920 | 120 | 590.4 |
| Total | | 15682.3 | 750.2625 | 151377 | 11839 | 31279 |

Annexure-IV

Detail of fund released, area supported, no. of Post -Harvest Management (PHM) units and No. of farmers to the Andhra Pradesh:

| S. No. | Financial Year | Fund approved including state share (Amount in lakh) | Amount utilized (in Lakhs) | Area supported (in ha.) | No. of farmers | No. of PHM |
|---------------|-----------------------|---|-----------------------------------|--------------------------------|-----------------------|-------------------|
| 1 | 2015-16 | 133.780 | - | 447 | - | - |
| 2 | 2016-17 | 457.16 | 121.28 | 1160 | 1612 | 4 |
| 3 | 2017-18 | 211.872 | 199.31 | 897 | 7347 | 2 |
| 4 | 2018-19 | 128.586 | 103.789 | 508 | 826 | 2 |
| 5 | 2019-20 | 314.9084 | - | 1338 | - | 4 |
| | Total | 1246.3064 | 424.379 | 4350 | 9785 | 12 |

Species wise area supported under cultivation of medicinal plants under National Ayush Mission from the F.Y. 2015-16 to 2020-21

| Sr. No. | Activity Supported | 2015-16 | 2016-17 | 2017-18 | 2018-19 | 2019-20 |
|----------------|---|----------------|----------------|----------------|----------------|----------------|
| 1. | Kalmegh (<i>Andrographis Paniculata</i>) | 5 | 6 | 4 | 2.02 | 9 |
| 2. | Senna (<i>Cassia augustifolia</i>) | 5 | 16 | 4 | 4.05 | 10 |
| 3. | Kalihari (<i>Gloriosa superba.</i>) | 10 | 8 | 2 | 2.02 | |
| 4. | Tulsi (<i>Ocimum Sanctum</i>) | 10 | 24 | 10 | 10.12 | 20 |
| 5. | Pippali (<i>Piper Longum</i>) | 10 | 84 | 121 | 30.35 | 184 |
| 6. | Sarpagandha (<i>Rauwolfia Serpentine</i>) | 10 | 8 | 4 | 2.02 | 10 |
| 7. | Ashwagandha (<i>Withania somnifera</i>) | 100 | 800 | 688 | 404.86 | 985 |
| 8. | Brahmi (<i>Bacopa monnieri</i>) | 5 | 4 | 4 | 2.02 | |
| 9. | Mandookparni (<i>Centella asiatica</i>) | 5 | 4 | 4 | | |
| 10. | Amla (<i>Emblica officinalis</i>) | 10 | 40 | 4 | 4.05 | |
| 11. | Bael (<i>Aegle marmelos</i>) | 20 | 20 | 4 | 2.02 | |
| 12. | Neem (<i>Azadichta indica</i>) | 10 | 20 | 4 | 2.02 | |
| 13. | Rakta chandan (<i>Pterocarpus santalinus</i>) | 100 | 40 | 4 | 4.05 | 25 |
| 14. | Chandan (<i>Santalum album</i>) | 100 | 40 | 4 | 4.05 | 25 |
| 15. | Arujuna (<i>Terminalia arjuna</i>) | 17 | 4 | 4 | 2.02 | |
| 16. | Behera (<i>Terminalia bellarica</i>) | 10 | 4 | 4 | 2.02 | |
| 17. | Harad (<i>Terminalia chebula</i>) | 20 | 4 | 4 | 2 | |
| 18. | Ghritkumari (<i>Aloe vera</i>) | | 30 | 20 | 20.24 | 20 |
| 19. | Shatavari (<i>Asparagus racemosus</i>) | | 4 | 4 | 2.02 | |
| 20. | Patherchur (<i>Coleus barbatus</i>) | | | | 4.05 | 50 |
| 21. | Konch (<i>Mucuna prurita</i>) | | | | 2 | |
| | Sub-total | 447 | 1160 | 897 | 508 | 1338 |

Annexure-VI

Detail of projects approved under Forward and Backward linkage supply chain of medicinal plants

| S. No. | F.Y. | State | File No. | Project title | Organization | Total approved amount (In lakh) |
|---------------|-------------|-----------------|----------------------------------|--|--|--|
| 1 | 2023-24 | Andhra Pradesh | Integ. Comp./AP-01/2023-24-NMPB | Forward and backward linkage supply chain of medicinal plants Andhra Pradesh | Andhra Pradesh Medicinal & Aromatic Plants Board | 120.00 |
| 2 | 2023-24 | Jammu & Kashmir | Integ. Comp./J&K-01/2023-24-NMPB | Forward and backward linkage under Integrated Component of Central Sector Scheme of Conservation, Development and Sustainability of Medicinal Plants | State Medicinal Plants Board, Jammu & Kashmir | 82.50 |
| 3 | 2023-24 | Mizoram | Integ. Comp./MZ-01/2023-24-NMPB | Forward and backward linkage supply chain of medicinal plants | State Medicinal Plants Board, Mizoram | 120.00 |
| 4 | 2023-24 | Uttarakhand | Integ. Comp./UK-01/2023-24-NMPB | Establishment of Seed Production/ Germplasm Centre (SG/PC) for augment supply of | High Altitude Physiology Research Centre (HAPPRC), | 120.00 |

| | | | | | | |
|---|---------|------------|---------------------------------|--|---|--------|
| | | | | Quality Plating Material/ Seeds for the producers for cultivation/ plantation of medicinal plants in Himalayan Region | HNBGU, Srinagar (Garhwal), Uttarakhand | |
| 5 | 2024-25 | Karnataka | Integ. Comp./KR-01/2024-25-NMPB | Forward and backward linkage in the supply chain of medicinal plants in Karnataka (Integrated Component) | Karnataka State Medicinal Plants Authority (KaMPA), Karnataka | 120.00 |
| 6 | 2024-25 | Tamil Nadu | Integ. Comp./TN-01/2024-25-NMPB | Forward and backward linkage in supply chain of medicinal plants (Integrated Component) - TNAU | Tamil Nadu Agricultural University, Tamil Nadu. | 95.00 |
| 7 | 2024-25 | Kerala | Integ. Comp /KE-01/2024-25-NMPB | Integrated project on Forward and backward linkages in the supply chain of medicinal plants in Thrissur district of Kerala | State Medicinal Plants Board, Kerala | 120.00 |