

GOVERNMENT OF INDIA
MINISTRY OF SCIENCE AND TECHNOLOGY
DEPARTMENT OF SCIENTIFIC AND INDUSTRIAL RESEARCH

RAJYA SABHA
UNSTARRED QUESTION No. 1087
(TO BE ANSWERED ON. 13.02.2025)

AROMA AND FLORICULTURE MISSIONS

1087 # Smt. Rekha Sharma:

Will the Minister of **SCIENCE AND TECHNOLOGY** be pleased to state:

- (a) the current status of Council of Scientific and industrial Research's (CSIR) Aroma and Floriculture Missions;
- (b) to what extent these missions have helped farmers in enhancing their income; and
- (c) whether there is any significant impact on the country's import /export market due to these missions?

ANSWER

THE MINISTER OF STATE (INDEPENDENT CHARGE) OF
SCIENCE AND TECHNOLOGY AND EARTH SCIENCES
(DR. JITENDRA SINGH)

- (a) The current status of CSIR's Aroma and Floriculture Missions is as under:
 - **CSIR Aroma Mission:** CSIR Aroma Mission aimed to popularize aromatic crops among farmers and position the nation in the global market, recognizing the ever-growing demand for aromatic crops and their products, was launched in 2017. So far an area of about 43000 ha has been covered under aroma crops out of the target area of 50,000 ha and more than 100000 trained human resources in this area have been developed. CSIR-Aroma Mission has benefitted more than 1,00,000 farming families with an employment generation of more than 80 lakh man-days in the rural sector. Through the interventions of the CSIR-Aroma Mission, the farmers produced about 5000 tons of essential oil worth Rs 500 crores for the Indian Aroma Industry. More than 3000 clusters of farmers cultivating aromatic crops have been established. More than 20 aroma clusters have been established in tribal regions immensely benefitting tribal farmers. More than 400 distillation units have been installed at the farmer's field in the different regions of the country.
 - **CSIR-Floriculture Mission:** The CSIR Floriculture Mission is being implemented in 244 districts in 29 states and union territories. Launched with a vision to elevate farmer incomes, develop entrepreneurship, and strengthen India's floriculture sector, this mission employs the expertise of six CSIR institutions that support farmers with advanced scientific knowledge, innovative technologies, and high-value floral crops. Under this mission, 6,603.70 acre of land were brought under floriculture crop cultivation.
- (b) The contributions of these missions in enhancing farmers' income is as under:
 - **CSIR Aroma Mission:** with the implementation of CSIR Aroma Mission, the farmer's income enhancement is about Rs.60000-70000/ha/annum. About 5200 ha of waste/underutilized land has been brought under the cultivation of aroma crops. The employment generation to the tune of 8 million man-days in the rural sector has been achieved. Higher essential oil recoveries were achieved due to the installation of efficient distillation units under CSIR Aroma Mission. Improved agri-techniques helped in reducing input costs and simultaneously increasing yields.
 - **CSIR-Floriculture Mission:** Under CSIR Floriculture Mission, 18,692 farmers have benefitted from the cultivation of floriculture crops. 1,490,080 mandays have been created. 121 floriculture entrepreneurs were also developed under this mission. 8,277 honey bee boxes with live bee colonies were distributed to the beneficiaries producing 30 kg of honey per box per year.

(c) Yes, Sir. There is a significant impact on the Indian Import /Export Market due to these missions. The details are as under:

- **CSIR Aroma Mission:** CSIR Aroma Mission popularized various aroma crops in different agro-climatic zones resulting in increased area under cultivation of these crops. Lemongrass which has been extensively promoted in drought-hit/rainfed agricultural zones over 7500 ha has enabled India to achieve a global leadership position and India exports around 500-600 Tons of essential oil every year. With the popularization of Palmarosa in areas affected by salinity, India may achieve the position of a global leader in the coming years. On the import side many essential oils like geranium, vetiver and lavender which were so far imported in huge amounts are showing downward trends in imports and higher exports are observed in the case of geranium and vetiver.
- **CSIR-Floriculture Mission:** There is a substantial increase in the production of floriculture crops like tulip, liliun, which is a significant step towards the reduction of import of these crops. Under this mission project, 2 MSME SFURTI clusters in Lahual and one industry in Uttarakand is involved in the bulk production of these crops. Mass production of bulbous plant has been initiated in cold desert areas of Leh and Kargil districts of Ladakh. These will help in reducing the import of high value bulbous crops from European countries.
