

**GOVERNMENT OF INDIA
MINISTRY OF AYUSH**

**RAJYA SABHA
UNSTARRED ADMITTED QUESTION NO. 333
TO BE ANSWERED ON 03/02/2026**

Development of a national framework for AI enabled services

333 Dr. Sikander Kumar:

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

- (a) the details of Government's roadmap to develop a national framework for AI-enabled farm-gate quality assessment and blockchain traceability, as recommended by recent expert seminars;
- (b) the details of specific budget allocations and support mechanisms planned for developing and maintaining portable AI devices and training programmes;
- (c) whether digital roadmap help Indian medicinal plants gain better global market access and command premium pricing, if so, the details thereof; and
- (d) whether any penalties would be enforced for non compliance or data tampering within these digital supply chains, if so, the details thereof?

ANSWER

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

(a) The medicinal plant sector is a strategic priority for the Ministry of Ayush, given its relevance to medicinal plant conservation, and export potential. Quality assessment of medicinal plant raw materials at the farm gate is a critical intervention point to traceability across the value chain. Recently, National Medicinal Plants Board (NMPB), Ministry of Ayush has supported a National Seminar on “Design and Development of Tools for Quality Assessment of Medicinal Plants at Farm Gates” to bring together policymakers, scientists,

technologists, industry stakeholders, and academicians with the aim to explore technological, design-led, digital interventions, particularly Artificial Intelligence (AI) and Blockchain to strengthen quality assurance mechanisms at the source to ensure supply chain traceability of medicinal plants.

(b) There are no specific budget allocations for support mechanisms planned for developing and maintaining portable AI devices and training programmes. However, NMPB, Ministry of Ayush, is implementing Central Sector Scheme on “Conservation, Development and Sustainable Management of Medicinal Plants” throughout the country wherein there is a provision to support Information Education & Communication (IEC) activities like Training / Workshops / Seminars/ Conferences, in project mode. Apart from this, the scheme also has provisions to support Research and Development (R&D) activities in project mode on various aspects of medicinal plants, including development of agro-techniques, sustainable harvesting practices, traceability and development of reference materials through a Raw Drug Repository.

(c) No such specific information is available. However, to provide a digital platform for trade of Medicinal Plants among farmers, industries, other stakeholders and to provide easy market access NMPB, Ministry of Ayush has launched “e-CHARAK” mobile application as well as web portal for the promotion and marketing of medicinal plants raw material.

(d) No.