

GOVERNMENT OF INDIA  
MINISTRY OF AGRICULTURE AND FARMERS WELFARE  
DEPARTMENT OF AGRICULTURE AND FARMERS WELFARE

**RAJYA SABHA**  
**UNSTARRED QUESTION NO. 1291**  
TO BE ANSWERED ON THE 06/12/2024

**SCHEME TO PROMOTE PRECISION FARMING**

1291. SHRI V. VIJAYASAI REDDY:

Will the Minister of AGRICULTURE AND FARMERS WELFARE be pleased to state:

- (a) what is precision farming;
- (b) whether Government is contemplating to formulate a scheme with ₹ 6,000 crores for precision farming;
- (c) if so, the details thereof;
- (d) to what extent precision farming helps to push production and productivity;
- (e) whether Government is going to set up Centres of Excellence (CoEs) in States for tech-based modern farming solutions; and
- (f) if so, the details of such CoEs set up in Andhra Pradesh?

**ANSWER**

THE MINISTER OF STATE FOR AGRICULTURE AND FARMERS WELFARE

(SHRI RAMNATH THAKUR)

(a): Precision farming is the precise use, management, application of inputs and farming practices for improved resource use efficiency and sustainable production. Precision farming involves application of right inputs at right time, in right amount at right place and in right manner. Precision farming uses latest technologies such as Information and Communication Technology (ICT), sensors, Internet of Things (IoT), satellite remote sensing, robotics and drones.

(b) & (c): As of now, no such proposal is under consideration.

(d): Precision farming enhances the productivity of agriculture, efficiency of water use and farmers income on sustainable basis without any adverse impact on environment. The crop yields are reported to increase substantially. Precision farming using drip fertigation enhances fertilizer use efficiency.

(e) & (f): The Department of Agriculture & Farmers Welfare is implementing Mission for Integrated Development of Horticulture (MIDH) for holistic development of Horticulture in the country. The Mission has provision for establishment of Centres of Excellence (CoEs) in public sector for demonstration of latest technologies including precision farming. The technical support for these CoEs, for specific crops and technology is provided by research institutes and through bilateral cooperation with other countries.

As per available information, there are 2 CoEs established under Indo-Israel Cooperation in Andhra Pradesh. The detail is as under:

S. No.	Name of Centre
1.	CoE for Flower and Vegetables at Kuppam
2.	CoE for Vegetables and Spices at Gundlapalli (V), Nekarikallu (M), Palnadu district

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