

GOVERNMENT OF INDIA  
MINISTRY OF CHEMICALS AND FERTILIZERS  
DEPARTMENT OF FERTILIZERS

**RAJYA SABHA**

**UNSTARRED QUESTION NO. 181 TO BE ANSWERED ON: 22.07.2025**

**Promotion of nano-fertilizers**

**181: SHRI MEDA RAGHUNADHA REDDY:**

Will the Minister of **CHEMICALS AND FERTILIZERS** be pleased to state:

- (a) the steps taken to expedite commercial use of nano-fertilizers;
- (b) whether Government intends to subsidize the production of nano-fertilizers in order to incentivise their uptake;
- (c) whether Government is working on developing effective and cheap spraying technologies for nano-fertilisers;
- (d) if so, the details thereof; and
- (e) whether Government intends to bring in Production-Linked Incentive scheme for promoting the production of nano-fertilisers by the private sector?

**ANSWER**

MINISTER OF STATE IN THE MINISTRY OF CHEMICALS AND FERTILIZERS

**(SMT. ANUPRIYA PATEL)**

- (a) In order to promote the use of Nano Fertilizers amongst the farmers, the following steps have been taken:
  - i. Use of Nano Fertilizers is promoted through different activities such as awareness camps, webinars, nukkad nataks, field demonstrations, Kisan Sammelans and films in regional languages etc.
  - ii. Nano Fertilizers are made available at Pradhan Mantri Kisan Samridhi Kendras (PMKSKs) by concerned companies.
  - iii. Nano Fertilizers has been included under monthly supply plan issued by Department of Fertilizers regularly.
  - iv. ICAR through Indian Institute of Soil Science, Bhopal recently organized National Campaign on “Efficient and Balanced Use of Fertilizer (including Nano-fertilizers)”.
  - v. For ease in application and utilization of Nano fertilizers like Nano Urea through foliar application, initiatives such as innovative spraying options like 'Kisan Drones' and distribution of battery operated Sprayers at retail points

are undertaken. For this purpose, pilot training and custom hiring spraying services through Village Level Entrepreneurs are actively promoted.

- vi. DoF in collaboration with fertilizer companies has initiated a Maha Abhiyan for adoption of Nano DAP in all 15 agro-climatic zones of the country through consultations and field level demonstrations. Further, DoF in collaboration with fertilizer companies has also launched campaign for field level demonstrations and awareness programs of Nano Urea plus in 100 districts of the country.

(b) At present, the Department of Fertilizers does not provide any subsidy for nano fertilizers. However, the Department is actively encouraging its Public Sector Undertakings (PSUs) to establish nano fertilizer production plants.

(c) and (d) The application of nano fertilizers using drones has emerged as a cost-effective technique. In this context, the Department of Agriculture & Farmers Welfare (DA&FW) has implemented the Namo Drone Didi Scheme, a Central Sector initiative approved by the Cabinet. Supporting this initiative, the Department of Fertilizers, through fertilizer companies, has facilitated the distribution of 1,094 drones to SHGs under the Namo Drone Didi Scheme.

(e) Currently, there is no proposal under consideration to include the production of nano fertilizers within the ambit of any Production Linked Incentive (PLI) scheme.

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