

GOVERNMENT OF INDIA
MINISTRY OF CHEMICALS AND FERTILIZERS
DEPARTMENT OF FERTILIZERS

RAJYA SABHA

UNSTARRED QUESTION NO. 990 TO BE ANSWERED ON: 28.07.2026

Establishment of Nano fertilizers production unit in Odisha

990 Smt. Sulata Deo:
Shri Manas Ranjan Mangaraj:

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

- (a) whether the Ministry proposes to establish a Nano-fertilizer production unit in Odisha to meet the growing demand for sustainable agricultural inputs and if so, the details thereof;
- (b) the steps taken to promote the use of nano fertilizers in Odisha;
- (c) the financial assistance provided for this purpose;
- (d) the number of farmers benefited till date; and
- (e) whether awareness programmes are being conducted in the State?

ANSWER

MINISTER OF STATE IN THE MINISTRY OF CHEMICALS AND FERTILIZERS
(SMT. ANUPRIYA PATEL)

- (a) The Government of India is not directly involved in setting up of Nano Fertilizers Plants across the country.
- (b) In order to promote the use of Nano Fertilizers among farmers across the country including the State of Odisha, the Government of India has undertaken following measures:
 - (i) Use of Nano Fertilizers is promoted through different activities such as awareness camps, webinars, field demonstrations, Kisan Sammelans and films in regional languages etc.
 - (ii) Nano Urea and Nano DAP are made available at Pradhan Mantri Kisan Samridhi Kendras (PMKSKs) by concerned companies.
 - (iii) For ease in application and utilization of Nano fertilizers 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.

In addition, The Department of Agriculture & Farmers' Empowerment, Government of Odisha has taken several initiatives to popularize the use of Nano fertilizers in order to bring down the load of granular fertilizers are as follows:-

- (i) Creating awareness among farmers about the advantages of Nano fertilizers through various training programme, Kisan Melas, webinars, distributing leaflets.
- (ii) State has included Nano Urea and Nano DAP in cafeteria for crop demonstration programme under various schemes mentioned below as per the recommendation of State level Technical Committee.

Further, the details of the awareness and promotional activities undertaken by nano fertilizer manufacturers to encourage the adoption of nano fertilizers across the State of Odisha during 2025-26 is placed at **Annexure**.

(c) No financial assistance is provided by the Government of India for Nano Fertilizers. However, the Government of Odisha has informed that financial assistance for the use of Nano Fertilizers is being provided under the following State Government schemes:

SI No	Scheme	Area (in Ha)	Nano fertilizer	Incentives (Rs /ha)
1	NFSNM(Food grain) 2026-27	4126	Nano Urea	500
		2093	Nano DAP	1000
2	Mission for Aatmanirbharta in Pulses 2026-27	15625	Nano DAP	1000
3	Mukhyamantri Maka Mission (State Plan) 2026-27	9000	Nano DAP	1000
		1500	Nano Urea	1000
		50	Nano Urea	500
4	Technology Mission on Cotton (State Plan) 2026-27	5000	Nano DAP	1200
5	IAP Pulse (State Plan)	7590	Nano DAP	1000

(d) Nano fertilizers manufacturers have informed that more than 29.5 lakhs farmers benefited in Odisha in last three year by using Nano Fertilizers. The Department of Agriculture & Farmers' Empowerment, Government of Odisha informed that as Nano fertilizers have been incorporated in crop demonstration programs , the beneficiary farmers under the aforementioned crop demonstration schemes are benefiting from their use.

(e) The Department of Agriculture & Farmers' Empowerment, Government of Odisha informed that awareness programme are being conducted regularly by the field functionaries through different training programme & crop demonstration.

In addition, Nano fertilizers manufacturers have informed that extensive awareness programmes are being conducted in the State of Odisha to promote the adoption and efficient use of nano fertilizers. During 2025-26, 1723 farmers meetings/field days, 134 retailers meetings, 59 crop seminars, 1802 farmers field demonstrations, 131 agro-climatic

zone-wise trials, 8 scientific trials, 531 Nano DAP seed treatment campaigns, 15 online training programmes/webinars, 25 workshops, one panel discussion, 38 Kisan Melas/fairs/exhibition stalls, and 970 publicity van campaign days were conducted in Odisha to promote the adoption of nano fertilizers. Awareness was also created through 67,987 sq. ft. of wall paintings, 7 hoardings at strategic locations, radio jingles, television advertisements, railway station jingles and YouTube advertisements (900,190 seconds), 1,325 display boards, banners, standees, cut-outs, face-lifting boards, printed danglers and hangings, 2,000 wall posters/stickers/car stickers, distribution of 10 lakh technical literature/leaflets, 57 newspaper articles/press coverage, one agriculture magazine article, digital campaigns on YouTube, Instagram and Facebook, and the supply of 4,601 manual sprayers at subsidised rates, along with training programmes for channel partners and other farmer capacity-building initiatives to promote the use of nano fertilizers.

Annexure

Annexure referred to in reply to part (b) of Rajya Sabha Unstarred Question No. for answering on 28.07.2026

THE DETAILS OF THE STEPS TAKEN TO PROMOTE THE USE OF NANO FERTILIZERS IN ODISHA DURING F.Y. 2025-26

S.N	Programme	Activities/ Program (No.)
1	Farmers Meeting / Field Day	1723
2	Retailers Meeting	134
3	Crop Seminar	59
4	Nano DAP Seed Treatment Campaign	531
5	Farmers Field Demonstration	1802
6	Agro-Climatic Zone Wise Trials (Kharif and Rabi)	131
7	Scientific Trials (ICAR-CRRI, OUAT, KVKs etc.)	8
8	Training Programmes (Online) / Webinar With Farmer Friends Club / eBAZAR / IFFDC Franchise	15
9	Workshop (State / District Agri. Officers / Ag. Dep't. Official / Agr. Students)	25
10	Publicity Van Campaign (Van Days)	970
11	District Level Wall Paintings (Sq. Ft.)	67987 sqft
12	Hoardings at Strategic Locations	7
13	Radio Jingle / T.V. Advertisement / Railway Station Jingle/ Youtube Add	900190 secs
14	Display Board / Banner / Standees / cut-outs / Face Lifting Board / Printed Danglers / Hanging (Nos.)	1325
15	Kisan Mela / Fair / Exhibition stall	38
16	Wall Poster / Sticker / Car Sticker (Nos.)	2000
17	Technical Literature / Leaflet (Nos.)	10,00,000
18	Agriculture Magazines Article	1
19	Newspaper (Article) / Press Coverage	57
20	Manual Sprayer Supplied at Subsidised Rate	4601
21	Panel Discussions	1
22	Training programs for channel partners	9
23	Digital Promotions	Active campaigns on Youtube, Instagram and facebook