

GOVERNMENT OF INDIA
MINISTRY OF CHEMICALS AND FERTILIZERS
DEPARTMENT OF FERTILIZERS

LOK SABHA

UNSTARRED QUESTION NO. 3674 TO BE ANSWERED ON: 21.03.2025

Promotion of Nano Fertilizers

3674. SHRI RAJIV PRATAP RUDY:

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

- (a) the total investment made in the development and promotion of nano fertilizers over the last five years;
- (b) whether any proposals have been considered to introduce nano fertilizers under the Production Linked Incentive (PLI) scheme;
- (c) the number of drones funded by the Government for promoting the application of nano fertilizers, along with the budgetary provisions made for this purpose;
- (d) the extent to which farmers in Bihar have been supported or incentivized to use nano fertilizers and the specific initiatives taken to promote nano fertilizers in the State; and
- (e) whether any special schemes or programs are being implemented to ensure the accessibility and affordability of nano fertilizers for small and marginal farmers, if so, the details thereof?

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. As per the information provided by companies, the total investment made in the development and promotion of nano fertilizers over the last five years is as under :-

(Rs.in lacs)

S.No.	Company Name	Capital Expenditure	Revenue Expenditure	Total Expenditure
1	M/s Coromandel International Limited	5000.00	3609.00	8609.00
2	M/s Meghmani Crop Nutrition Limited	6824.96	3241.39	10066.35
3	M/s Paradeep Phosphates Ltd	3065.00	240.00	3305.00
4	M/s Indian Farmers Fertilizer Cooperative Limited	1981.91	300.84	2282.75
5	M/s Ray Nano Science & Research Centre	4300.00	1452.26	5752.26
	Total	21171.87	8843.49	30015.36

(b): At present, there is no proposal to bring production of nano fertilizers under any Production Linked Incentive (PLI) scheme.

(c): For promoting the application of nanofertilizers, 1094 drones have been distributed to drone didis of SHGs by 15 Fertilizer Companies in 2023-24, using their internal resources.

(d) & (e): In order to promote the use of Nano Fertilizers amongst the farmers across the country, including the State of Bihar, the following steps have been taken:

- i. Government of India has pursued with the states on use of Nano fertilizer at various forums. In the Zonal conference for assessment of fertilizers for Kharif 2024 season, held from 5th February to 9th February, 2024, Department of Agriculture and Farmers Welfare (DA&FW) requested the State Governments to promote the use of nano fertiliser in their states through their extension machinery.
- ii. DA&FW during the Rabi, 2024-25 season assessed the requirement of Nano Urea and Nano DAP. DA&FW vide letter dated 3rd July, 2023 informed all the State Govt. / UTS /ICAR institutes to include FCO approved application of Nano-fertilizers as critical inputs in the cafeteria of interventions for demonstrations (Cluster Demonstrations/ Block Demonstrations/ Cluster Front Line Demonstrations/ Front Line Demonstrations) to be conducted under NFSM/ NMEO as per SAUs/ ICARs recommended package of practices.
- iii. Use of Nano Urea is promoted through different activities such as awareness camps, webinars, nukkadnataks, field demonstrations, Kisan Sammelans and films in regional languages etc.
- iv. Nano Urea and Nano DAP are made available at Pradhan Mantri Kisan Samridhi Kendras (PMKSKs) by concerned companies.
- v. Nano Urea has been included under monthly supply plan issued by Department of Fertilizers regularly.
- vi. ICAR through Indian Institute of Soil Science, Bhopal recently organized National Campaign on "Efficient and Balanced Use of Fertilizer (including Nano-fertilizers)".
- vii. Promotion of use of nano fertilizers was done during the Viksit Bharat Sankalp Yatra (VBSY) which was launched on 15th November, 2023.
- viii. 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.
- ix. 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.

The prices of Nano Urea and Nano DAP are fixed by the Fertilizer Companies.