

GOVERNMENT OF INDIA
MINISTRY OF CHEMICALS AND FERTILIZERS
DEPARTMENT OF FERTILIZERS

LOK SABHA

UNSTARRED QUESTION NO. 1039 TO BE ANSWERED ON: 08.12.2023

Research and Development of Nanotechnology

1039: DR. SANJEEV KUMAR SINGARI:

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

- (a) whether any research projects have been undertaken during the last three years on nanotechnology by fertilizer PSUs and Indian Farmers Fertilizer Cooperative (IFFCO);
- (b) if so, the details thereof;
- (c) whether the Government has any plan to allocate separate funds for the research and development of nanotechnology in view of the demand for nano fertilizers like nano urea in the country; and
- (d) if so, the details thereof and if not, the reasons therefor?

ANSWER

MINISTER OF STATE FOR CHEMICALS & FERTILIZERS
(SHRI BHAGWANTH KHUBA)

(a) & (b): Indian Farmers Fertilisers Cooperative Limited (IFFCO) is working on nanotechnology based Nano Fertilisers at its IFFCO - Nano Biotechnology Research Centre (NBRC) Kalol, Gujarat and through its Joint Venture Company IFFCO-Nanoventions Private Limited. Further, IFFCO has undertaken research projects with Indian Council of Agricultural Research (ICAR)- Research Institutes, State Agricultural Universities (SAUs) and International institutes on nanotechnology based nano fertilisers during last 3 years. Some important research institutes where research projects have been undertaken are ICAR-Central Soil Salinity Research Institute (CSSRI), Karnal, Haryana, ICAR-Central Research Institute for Dryland Agriculture (CRIDA), Hyderabad, Telangana, International Rice Research Institute (IRRI)-South Asia Regional Centre (SARC), Varanasi, Uttar Pradesh, Anand Agricultural University (AAU), Gujarat and Tamil Nadu Agricultural University (TNAU), Coimbatore, Tamil Nadu

(c) & (d): At present, there is no such proposal to allocate separate funds for the research and development of nanotechnology.
