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| **Government of India****Ministry of Science and Technology****DEPARTMENT OF BIOTECHNOLOGY*****Call for R &D Proposals on “Nanotechnology based tools to enhance agricultural productivity”*****Rationale:** Nanotechnology has huge potential in agricultutral practices which is not yet exploited. Hence, this department invites **R& D Proposals** in the following areas.1. Development of nano-enabled sensors for agricultural applications or crop productivity predictions
2. Smart systems for delivery of agri-inputs through nantechnological intervention- Precision Delivery Systems
3. Novel nanomaterials based solar cell solutions to mitigate the small electrical needs for farmers
4. Designing nanomaterials to enhance the efficacy of plant genome engineering
5. Development of specific nano-products for the agricultural sector e.g. soil-enhancers plant mineral nutrition/ health promoters and for increasing interactions with soil microflora
6. Nano enabled field diagnostics development in all dimensions of cultivable plant health.
7. Nanointerventions for generation of crops resilient to climate change.

**Eligibility:** Applications may be submitted by public and private universities, colleges, Institutes, non-profit organizations (recognized by DSIR as a Scientific and Industrial Research Organization (SIRO)). Development of interdisciplinary collaborative research team with involvement of experts from nanotechnology/nano-biotechnology/nano-agriculture field is encouraged.**How to apply:**  Applicants should submit full proposal on or before the deadline through DBT Epromis portal and submit two hard copies to **Dr. Balendra Singh,** Scientist-C, Department of Biotechnology, Block- 3, Room No.525B, 5th floor, CGO Complex, Lodhi Road, New Delhi – 110003 and email the soft copy to email: **nanobiotech@dbt.nic.in**The link to DBT epromis format: <https://dbtepromis.nic.in/sample_forms.aspx>**The deadline for submission of full proposal is 19th November 2019** For any queries, contact Dr. Balendra Singh, Scientist-C, Email- balendra.singh@dbt.nic.in /Dr. A.Vamsi Krishna, Scientist-E, Email- vk.addanki@nic.in |