



Department of Biotechnology  
Ministry of Science & Technology  
Government of India

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## **Call for Letter of Intent in the area of “Genome Engineering Technologies and Their Applications”**

The Department of Biotechnology (DBT), Govt. of India invites **Letter of Intent** in the area of “Genome Engineering Technologies and Their Applications” in the following Categories:

- A. **Development of New Methods, Tools, Processes for Genome Editing.**
- B. **Establish Accessible Platforms Facilities on Emerging Genome Editing Technologies for Research & Development and Applied Use.**
- C. **Improvement of Existing Genome Editing Technology Platforms.**
- D. **Development of New Applications of Existing Genome Editing Technologies - such as CRISPR/Cas, TALEN & other emerging approaches, to modify gene expression and its validation that can significantly advance research and development in Human Health, Agriculture & Plant Productivity, Animal Health, Bioenergy & Environmental Research etc.**

***Preference will be given to multi-disciplinary, multi-institutional network projects and efforts aiming to develop novel technologies or applying known technologies to specific unmet needs.***

### Format for Letter of Intent:

1. Project title
2. Category in which Letter of Intent is being submitted
3. details of institutions & investigators involved in the project.
4. Aims and Objectives of the Proposal - Clearly defining the unmet need being addressed.
5. Specific technological/ biological questions in the context of the unmet need & its rationale.
6. Current state of the proposed technology and research in the Indian and International context.
7. Novelty of the proposal,
8. Anticipated outcome & its potential application in Indian context.
9. Scope of development of resources to be made available for the larger biological science community.
10. Brief CV of the investigators (with details of 5-6 most relevant publications, patents etc.)
11. Tentative total institution wise budget (please also mention budget break up for Recurring & Non Recurring)

Interested applicants are requested to submit **Two (2) hard copies** of the **Letter of Intent** in the above mentioned format to **Dr. Onkar N. Tiwari, Scientist ‘E’, Department of Biotechnology, R. No. 506, 5<sup>th</sup> Floor, Block-3, CGO Complex, Lodi Road, New Delhi 110003,** and also by email (in MSWORD and PDF format) at [onkar.dbt@nic.in](mailto:onkar.dbt@nic.in) & [genome@dbt.nic.in](mailto:genome@dbt.nic.in)

PIs of the shortlisted Letter of Intent will be invited to submit full proposal through DBT epromis.

**Last Date for Submission of Letter of Intent: 31<sup>st</sup> July 2019.**

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