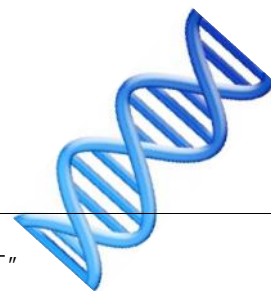




DEPARTMENT OF BIOTECHNOLOGY
Ministry of Science & Technology
Government of India



CONCEPT NOTES INVITED ON
"MARINE NATURAL PRODUCTS DEVELOPMENT"

Department of Biotechnology supports programmes in the area of Aquaculture & Marine Biotechnology, both of strategic and applied nature. As Marine bio-prospecting area is receiving greater attention and India has excellent potential, it is proposed to invite concept notes from the Scientists / Researchers, who have visible and potential leads identified from the marine sources, either individually or in collaboration through a team or institutions. It is desirable that the concept should focus on biotechnological intervention for production of high value seaweeds for day to day use, green technology enzymes and chemicals from marine bio resource, biomaterials from marine bio resource and novel product from extremophiles. The research should be proposed with the available leads, identified and evaluated for different activities from marine sources for further characterization and up scaling through appropriate industry involvement. Thus concept should be based on the expertise of marine biology, chemists and others for finer characterization of the known molecules. Equally, the team can also involve bio informatics specialists as well the interested industry. The concept note received will be examined through the Steering Committee on Joint DBT and MoES Programme on Marine Natural Products constituted for the purpose. The concept notes should be submitted on the above identified areas giving emphasis on the proposed product, bioactive molecules, process development and future research for further characterization and up scaling. The concept note can be submitted by R&D organizations individually or in collaboration with industrial partners, if required. Only short listed concept notes will be invited for submission of detail proposals for financial support as per the modalities of the Department.

The soft copy of the concept note can be submitted to Dr. S. U. Ahmed, Scientist "D" (shahaj.ahmed@nic.in) with a copy to Dr. A. S. Ninawe, Advisor, DBT (ninawe.dbt@nic.in) before 31st July, 2015.

Proforma for submission of Concept Notes on Marine Natural Products
Development under the programme area Aquaculture & Marine
Biotechnology

(Maximum five single space printed A4 pages using 12 Roman Font)

1. Title of the project:
2. Coordinator/Principal Investigators/Co-investigators:
 - Name:
 - Address:
 - Telephone:
 - Email:
3. Background of work (provide state-of-art information, including patent search):
4. Leads available/work done by PI /Co-PI :
5. Objectives/work packages:
6. Nature of networking/complementary between the partners including industrial involvement, if any:
7. Methodology in brief:
8. Duration:
9. Expected outcome/output (in quantifiable terms year-wise):
10. Budget:
 - Non-Recurring:
 - Recurring
 - Grand Total (A + B) :
11. References (Give details of any three best papers or patents on the topic by each PI)