**Call for Project Proposals under Scheduled Caste Sub Plan (SCSP)**

on

**Technologies for Underwater Exploration**

by

**IIT Guwahati Technology Innovation and Development Foundation**

**1.1. Project Title**:

**1.2. Details of Project Investigators from Lead Institute**

 **1.2.1. Principal Investigator (PI)**

|  |  |
| --- | --- |
| Name |  |
| Designation |  |
| Institute & Address |  |
| Contact No. (Mobile; Landline) |  |
| E-mail |  |
| Date of birth |  |

**1.2.2. Co-Principal Investigator (Co-PI)**

|  |  |
| --- | --- |
| Name |  |
| Designation |  |
| Institute & Address |  |
| Contact No. (Mobile; Landline) |  |
| E-mail |  |
| Date of birth |  |

 \*Add tables for additional Co-PIs

**1.3. Details of Collaborating Institutes and Industry Partners**

**1.3.1. Partner-1**

|  |  |
| --- | --- |
| Name |  |
| Designation |  |
| Institute & Address |  |
| Telephones (Mobile; Landline) |  |
| E-mail |  |
| Date of birth |  |

**1.3.2. Partner-2**

|  |  |
| --- | --- |
| Name |  |
| Designation |  |
| Institute & Address |  |
| Telephones (Mobile; Landline) |  |
| E-mail |  |
| Date of birth |  |

 \*Add tables for additional partners

**3.1. Current Status of the technology (**max 1000 words**)**

3.1.1. International Status

3.1.2. Indian Status

3.1.3. Current status at the participating Institutes and Industries

3.1.4 Role of the participating Institutes and Industries in this project

**4.1. Objectives of the Project (**max 5 bullet points**)**

**4.2. Technical Details (**max 2000 words**)**

4.2.1. Targeted level of development under the project (Describe the Prototypes/ Process Demonstration; preferably with reference to Technology Readiness Levels)

4.2.2. Innovative Elements of the Project

4.2.3 Relation of the proposed work to the themes such as Make in India, Atmanirbhar Bharat, Startup India etc.

**4.3. Project Work Plan (**Gantt chart**)**

**5. Budget (in ₹ lakhs)**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Item** | **1st Year** | **2nd Year** | **3rd Year** | **Total** |
| Equipment |  |  |  |  |
| Manpower |  |  |  |  |
| Consumables |  |  |  |  |
| Contingency |  |  |  |  |
| Travel |  |  |  |  |
| Total |  |  |  |  |

The Project Proposals should be submitted (soft copy of proposal in PDF) to projectdirector@iitgtidf.com , mahato@rnd.iitg.ac.in with a copy to dwivedy@iitg.ac.in

**Research Areas**:

1. Underwater Manufacturing, Repairing and Maintenance
2. Remotely operated underwater vehicles
3. Underwater Communication
4. Underwater Vision, Monitoring, Surveillance, Intelligence and Tracking
5. Harnessing of Renewable Energy from Ocean Waves and Underwater Current

**Project Categories:**

**Level-1: Proof of Concept & Prototyping Projects (TRL 4-5)**

* R & D Projects typically to achieve Technology Readiness Levels of 4-5, with emphasis on innovative concepts. Funding of up to Rs. 50 Lakhs is envisaged in this category.
* The project proposals can be submitted by research institutes/academia, preferably with an associated industry partner. These projects must be accomplished within 2 years’ time period.

**Level-2: Academia-Industry Consortia Projects (TRL 6-7)**

* Projects will aim to reach Technology Readiness Level of 6 to 7 in the above mentioned areas with specific goals defined in association with relevant industries.
* The project proposals can be submitted by research institutes/academia, with a strong association with a relevant industry. At-least 20% cost of the project should be borne by the industrial partner in kind/cash. These projects must be accomplished within 2-3 years’ time period.