

Center of Excellence in Oil, Gas and Energy (CoE-OGE)

IIT Bombay

Concept and relevance of Seed Projects

The Centre of Excellence in Oil, Gas, and Energy at IIT Bombay envisages to develop technology interventions in consortium mode with PSUs to address future challenges in the oil, gas, and energy sector. To facilitate this, various projects in **mission mode** will be undertaken. These projects will aim at developing and delivering technologies related to present and future issues of the PSUs taking from the lab to implementation-ready stage with the core teams that will consist of faculty from IIT Bombay, and representatives from at least two relevant PSUs. These projects will be funded through the Centre's budget.

In order to develop these mission mode projects, '**Seed Projects**' may be proposed in the format given below. Representatives from the concerned PSUs would work jointly with the PI's and Co-PI's from IIT Bombay and work for preparing detailed proposals outlining the objectives, detailed deliverables, timeline, budget, and implementation process of the mission mode project. The seed project will mainly include a budget for manpower, travel and contingencies. Duration of the seed projects identified will be for a period of three to six months. **The deliverable of the seed projects will be a Detailed Project Proposal (DPP) for mission mode projects or an Approach paper for strategizing the research in the given area.**

Seed projects may be also proposed for short consultancy type projects for solving the pressing issues of the PSUs. The solutions so developed will be available to all the PSUs commonly.

The seed projects should be submitted to the PIC of CoE-OGE. It will be discussed and processed through the Executive Committee or Advisory Committee for Approval.

Format for Seed Project Proposal

PROJECT TITLE “ _____
_____ **”**

1. Objectives

2. Scope of the project/ problem statement

3. Background

- a) Previous work done Internationally/the Global benchmark of the solution
- b) Previous work done Nationally/ the Indian benchmark of the solution
- c) Previous work done at IIT Bombay, if any
- d) Previous work/ activities done at CoE-OGE (eg. meetings, workshop etc), if any
- e) **Need for seed project/consultancy type project**

4. Tasks to be completed with timeline (Maximum project duration should be 6 months**)**

(It may include the following items)

1. Literature studies

2. Visit to places in India
3. Modeling or calculation work as required
4. Any other comments
5. Writing of report
6. Timeline in a nutshell

5. Proposed start date

6. Details of manpower required (Please mention the plans to avail human resources for a 6 month project)

7. Budget break-up (Limited to 20 Lakhs; If less than 10 Lakhs, it will speed up the approval procedure, since the Executive Committee of CoE-OGE can approve the fund)

Salary/Honorarium (Honorarium or fees to regular IITB faculty is not permitted)

Travel

Software

Any other items (Please explain)

Total

8. Deliverables

General Terms and Conditions:**IP rights and NDA**

The finalized IPA & NDA documents are signed by all the member PSUs. The executed IPA & NDA documents are available in the link (as in Annexure 1). The signed IPA & NDA documents will serve as umbrella IPA and NDA for all projects under CoEOGE.

To operationalize the umbrella IPA and NDA for a specific project under CoEOGE, for each project under CoE-OGE, the PI and co-PIs of the project should sign a declaration form attached to the proposal format. A separate declaration is also to be signed by the PhD/MTech (TAP category) student/s on each project. The declarations are available as separate annexures (as in Annexure 2 & 3) to the project proposal format.

Certificates

It is mandatory to submit relevant certificates as per the formats given in Annexure 1, Annexure 2 and Annexure 3.

Name of PI**Dept at IIT Bombay****Names of Co-PIs (if any)****Dept at IIT Bombay****Place****Date**

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Annexure 1: CoE-OGE IP agreement and NDA

NDA: Duration of obligations

The term of this NDA/Agreement shall be for a period of three (3) years and may be renewed for further period under mutual agreement. The obligations of confidentiality shall continue for a period of five (5) years after the termination of the Agreement

IP Clauses

- 1) Any Intellectual property developed as part of a project undertaken by CoE-OGE will be owned by IIT Bombay (IITB IP). The CoE-OGE Members will have non-exclusive rights to the IITB IP/s generated as a result of the said project for their use at a nominal additional charge (license fee). This license fee will be limited to 10% of the specific project cost (excluding applicable GST)
- 2) This license option will be offered only to the CoE-OGE members for a period of three years from the date of a) completion of the Project or b) filing of a patent application for an IITB IP or c) release of a publication of the results or d) at the time of generation of a specific knowhow, whichever is earlier
- 3) IIT Bombay will be free to give non-exclusive license the IITB IP/s to any other party outside of the CoE OGE, as per its discretion, after the said period of three years as given above

The finalized IPA & NDA documents can be accessed using the below link;

<https://drive.google.com/drive/folders/10QNpSyB-LzcctKnNpILJljq8n6QTfMdU?usp=sharing>

Annexure 2: PI DECLARATION to operationalise the umbrella IPA and NDA for a specific project under CoEOGE

INDIAN INSTITUTE OF TECHNOLOGY BOMBAY
Office of the Dean R&D

PI DECLARATION

This is with reference to the ‘_____<Project Title>_____’,
(<Project Code>) having project duration as <mm/yyyy to mm/yyyy> being carried out by IIT Bombay
in collaboration with <Names of collaborating PSUs> under the framework of COE-OGE MoU.

IIT Bombay and member PSUs of CoE-OGE have signed Non Disclosure Agreement (refer Annexure A) for sharing confidential data/information and IP Agreement (refer Annexure B) for formalizing IP prosecution and commercialization aspects of all the projects under CoE-OGE

Declaration:

I/We declare that I/we have read all the terms and conditions of both NDA and IP Agreement and agree to take responsibility to abide by the terms of both the agreements. I/We will also ensure that all my associates, students and staff, involved in this activity will agree to abide by the terms and conditions in the said Agreements and will sign appropriate documents for the same. All such copies will be made available to IRCC office.

I/We understand that agreeing to the terms in the Agreement will entail stringent due diligence on my/our part and I/We will ensure that no default takes place with respect to any of the provisions of the agreement.

Signature: -----

(PI of Project: <Faculty Name> & <Department>)

Signature: -----

(co-PI of Project: <Faculty Name> & <Department>)

Date: -----

To,
Dean R&D

Annexure 3: Student declaration to operationalise the umbrella IPA and NDA for a specific project under CoEOGE

INDIAN INSTITUTE OF TECHNOLOGY BOMBAY

Office of the Dean R&D

STUDENT DECLARATION

This is with reference to the ‘ <Project title> ’
(<Project Code>) having project duration as <mm/yyyy to mm/yyyy> being carried out by IIT Bombay
in collaboration with <Names of collaborating PSUs> under the framework of COE-OGE MoU.

IIT Bombay and member PSUs of CoE-OGE have signed Non Disclosure Agreement (refer Annexure A)
for sharing confidential data/information and IP Agreement (refer Annexure B) for formalizing IP
prosecution and commercialization aspects of all the projects under CoE-OGE

Declaration:

I declare that I have read all the terms and conditions of both the NDA and IP Agreement and agree to
take responsibility to abide by the terms of both the agreements.

I/We understand that agreeing to the terms in the Agreement will entail stringent due diligence on my/our
part and I/We will ensure that no default takes place with respect to any of the provisions of the
agreement.

Signature of student (with date): -----

(PhD Student (TAP)/PDF on Project: <Student Name> (Roll No.), <Department>)

Noted that the above declaration has been signed by the student.

Signature of Guide (with date): -----

(Guide: <Faculty Name> & <Department>)

To,
Dean R&D