

Open call for commissioned research project

Indo-Korea Science and Technology Center, Korea Institute of Science and Technology (KIST)

Control number: IKST/Research/2020-21/28082020

Indo-Korea Science and Technology Center (IKST), Bengaluru calls proposals for commissioned research project as below:

1. Classification: Research & Development (Data analytics & experimental methods)

No.	Field	Title of project	Budget	Period	Note
1.	Research	Surface Builder: Development of command-line interface and maintenance of existing code	Rs. 1,50,000	25/09/2020 ~ 26/03/2021	

2. Qualification and application

A. Qualification for application

- ① B. Tech or Ph.D. degree holder in related area

B. Period of tender: 28.08.2020 (Fri) ~ 07.09.2020 (Mon)

C. Required documents

- ① Official letter (one copy, English)
② Project proposal (original two copies, English)

※ Email submission of above documents is mandatory to Mithun Suresh (+91-80-4669-7104/ 97415-38456, hr@ikst.res.in), parallel with direct or postal submission

D. Application

- Deadline: 17:30, 07.09.2020 (Mon)
- Submission (Direct or Post)

- Address: 3rd Floor, NCC Urban Windsor, New Airport Road, Near Allalasanra gate, Opposite Jakkur Aerodrome, Bengaluru, Karnataka, India - 560 065

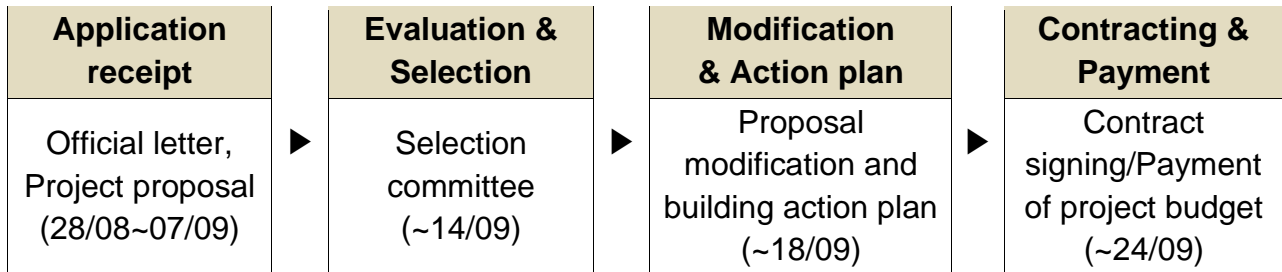
※ Please contact Mithun Suresh (+91-80-4669-7104/ 97415-38456, hr@ikst.res.in) for any inquiry

Attachments: 1. Selection & Operation plan for research project
2. Request for proposal
3. Project proposal (format)
4. Project result report (format). End.

Selection and operation plan for research project

1. Selection procedure and criteria

Selection procedure:



※ Selection procedure timeline is subject to changes depending on internal schedules

Evaluation & Selection:

Method: Written and presentation evaluation

Criteria:

- Fundamental qualification of institute and P.I.
- Clarity of objectives, differentiation of performance strategy, feasibility of research contents against the budget
- Creativity and innovativeness of objectives and contents, application availability of research results

Modification & Action plan:

- Modification and improvement of project proposal of final candidate
- Building an action plan such as interim review, regular meetings etc.

Contracting & Payment:

- Signing a commissioned survey research contract
- Major conditions/terms of contract
 - Objectives/Contents In final project proposal
 - Contract period: 25.09.2020 ~ 26.03.2021 (6 months)
 - Payment: 50% Advance (Inclusive of tax) and remaining 50% after completion & submission of project report & findings (Inclusive of tax).

2. Result report

Result reports (original two copies) submission within two months from the last date of research period.

3. Notice

- Selection result will be announced through email to individual(s)
- Duration for presentation evaluation is for 30 minutes (20 minutes for presentation and 10 minutes for Q&A)
- No documents will be returned after submission

Request for proposal (RFP)

Project Title: Surface Builder: Development of command-line interface and maintenance of existing code.

Statement of work:

- Development of command-line interface for Surface builder, to make it easy to engage for automatic modules: like Catalysts, Surface or similar. In its current state, it not straight forward to engage it for automatic modules.
- In current version, we are displaying all the adsorption sites, and categorizing like on-site, hollow etc. We need to randomly select sites by 'coverage-value', out of total.
- Command line interface features with 1-to-1 correspondence to GUI. Right now, command line interface is there but its minimal.
- Memory optimization is required. When surface builder is active, is occupying a significant CPU%.
- Some cosmetic changes to existing GUI required:
 - Existing feature to find adsorption sites on a surface, need to make it user-friendly on GUI.
 - Showing any text on the screen, is blocking anti-aliasing (smoothness around spheres) in surface-builder.

Project Proposal (Arial, Bold, 18 pt)

(Paragraph spacing 1.15)

1. Overview of project (Arial, Bold, 12pt)

- Title (Arial, 12pt)
- Period
- Budget

2. Information of P.I.

- Name:
- Affiliation: Position, Dept., Name of Institute
- Educational qualification:
- Contact
 - Tel.:
 - Mobile:
 - Email:

3. Necessity and objectives (Max. 1 page)

4. Details (Max. 3 pages)

5. Strategies, methods and system

6. Expected achievements and application plan

7. Deliverables

8. Timeline

9. List of participants and budget plan

Project Result Report (Arial, Bold, 18 pt)

(Paragraph spacing 1.15)

1. Overview of project (Arial, Bold, 12pt)

- Title (Arial, 12pt)
- Period
- Budget

2. Information of P.I.

- Name:
- Affiliation: Position, Dept., Name of Institute
- Educational qualification:
- Contact
 - Tel.:
 - Mobile:
 - Email:

3. Objectives (Max. 1 page)

4. Details (No limit of pages)

4.1 Introduction

4.2 Methods

4.3 Results

4.4 Conclusion

5. Deliverables

6. Expenses