

Government of India
Ministry of Ports Shipping and Waterways
New Delhi 110001

Notice for Expression of Interest (EOI) for Projects Under Research & Development Scheme

Ministry of Ports Shipping and Waterways invites Expression of Interest (Eoi) from Central Universities, IITs, NITs Autonomous Research Bodies, Shipyards and Ship Breaking Organisations involved in Research in shipping, Port and Inland Water sector indicated in thrust Areas.

This Eoi is issued for the sole purpose of obtaining preliminary information from interested entities regarding their potential participation under Research and Development scheme. At this Eoi stage, the information provided will NOT be used for evaluating the entity/ project.

1. **Scheme Overview:** The Ministry of Ports, Shipping and Waterways has been implementing a Research and Development schemes for Port, Shipping and IWT sector through Government Research Institutions, and Engineering colleges for development in Port, Shipbuilding and Inland Water Transport (IWT) Sector. The scheme provide assistance in form of grant to Research and Academic Institutes for undertaking Research & studies to find solutions on the field problems in formulation, design and execution of Harbour, Inland waterways shipbuilding & ship repairs Projects and also to bring about new advance technology in these sectors to withstand and compete in the world.

2. **Thrust Areas:** The Thrust areas of the Research & Development are Generation of basic data for the coastal area in India; Erosion and siltation; Pollution control and Abatement, Green Fuel Systems. Designs of Coastal Structures; Introduction of new materials for Construction use in Ports and Harbours; Offshore Structures including floating breakwaters; Energy Conservation on Board ships; Noise and Vibration Control of ships; Hull Design of country boats; River Engineering: Physical and mathematical modelling of River behavior; IWT Vessels-Design for low drafts available, Navigation aids.

A. Port Sector

(i) Generation of basic data for the coastal area in India

- (ii) Erosion and siltation.
- (iii) Pollution control and Abatement, Designs of Coastal Structures
- (iv) New materials for Construction and use in ports and Harbours.
- (v) Offshore Structures including floating break waters.
- (vi) Green Fuel

B. Ship Building and Shipping Sector

- (i) Energy Conservation on Board ships.
- (ii) Noise and Vibration Control of ships.
- (iii) Development of maritime communication System.
- (iv) Hull Design of country boats.
- (v) Hydrogen Fuel Engines.

C. IWT Section

- (i) River Engineering: physical and mathematical modeling of River behavior.
- (ii) Hydraulic and Hydrographic data and Data base management, computer aided base management.
- (iii) Different types of berthing Structures-Development of standard designs.
- (iv) IWT Vessels-Design based on available water depths and their performance prediction, Navigation aids.

The above thrust area can be extended to cover the changing needs to complete in the Global Markets.

3. **Proposal Format:** The proposal for Research in Ports, Shipping and Inland waterways should contain detailed write up on the proposal, Objective, methodology, mode of implementation, Cost estimates, project time cycle, end users/ beneficiary, previous study & research on the subject with equipment & personnel. Any proposal which is duplication of research done earlier would be rejected & action taken.

Project review by project proponents in consultation with stake holders. Letter from the identified ports detailing the requirements of the study for implementation of the proposal, undertaking from the institution that equipment/ other facilities/infrastructure/ management support etc. will be extended to project proponent.

4. **Process of Selection:** The scheme submitted by the project proponent are thoroughly examined and will be put up to the Research and Development (R&D) Committee formed by the Ministry under the Chairmanship of Special Secretary for their recommendations.

5. **Submission of Proposals:** Project proponents may submit their proposal in PDF format on the following email:

Name of the Contact Officer: Bipin B Rai

Deputy Director (Engineering)

Room No. 138B

Transport Bhavan, New Delhi:110001

Email: bipinb.ra1920@gov.in

Contact Details:011-23318097

6. **Last Date of Submission:** 90 days after publication of the Eol.

Disclaimer

This Eol is issued by the, Ministry of Ports Shipping and Inland Waterways Government of India for the sole purpose of obtaining preliminary information from interested entities regarding their potential participation under R&D scheme. This document is not an offer, invitation to bid, or commitment of any kind and shall not be construed to create any rights, entitlements, or obligations on the part of the Government of India. Submission of an Eol is not a mandatory step and does not form part of the formal application process under the R&D scheme. The information provided in response to this Eol will be treated as confidential and will not be used for evaluation, selection, or funding decisions. Entities are not required to disclose any proprietary or confidential information as part of this process. The Government of India reserves the absolute right to amend, modify, or withdraw this document at any time without prior notice or liability. Participation in this Eol does not confer any right or guarantee of future engagement, funding, or approval under the scheme.

Any decision regarding funding will be subject to the applicable evaluation and approval processes outlined in scheme's guidelines. By submitting a response, interested entities acknowledge that the government of India shall bear no responsibility for any costs, losses, or liabilities incurred in connection with their participation in this EoI. No claims arising from this process shall be entertained under any circumstances.

FORMAT FOR PROPOSAL SUBMISSION

1. Details of the entity submitting an EoI for the Under R&D Scheme

1.1. Entity name*

2. Details of the contact person

2.1. Name*

2.2. Designation*

2.3. Official email address*

3. Project details Project summary

3.1. Project category

3.2. Objectives of studies

3.3 Studies carried out earlier/available

3.4 Detailed justification of proposal

3.5 Methodology of implementation of proposal

3.6 Manpower details of the proposal and availability

3.7 Detailed project time cycles with detailed activities

3.8 Cost estimates including apparatus, manpower etc deliverables any other details of the project

3.9 Undertaking that this study has not been carried out by you or any other agency

3.10 Whether project proposal is reviewed by project proponents in consultation with stake holders.

3.11 Who are the beneficiary/end user for the proposed proposal

3.12 An undertaking from the institution that equipment/other facilities/infrastructure etc will be extended to project proponent by Institute

3.13 A formal letter from the identified ports detailing the requirement of the study for the implementation of the project

3.14 Name of the academic partner(s) if you have MoU signed (word limit: 30)

4. Feedback

5. Any other queries related to R&D Scheme (Word Limit: 100)
