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Director, IIT Delhi

From: innovation.nbcc@nic.in on behalf of SUNITA PURSWANI [innovation.nbcc@nic.in]
Sent: 30 December 2014 13:38
To: director@admin.iitd.ac.in
Subject: NBCC invites Applied Research proposals
Attachments: Detail Scheme for Advt. Research Proposal.pdf, Annexure.pdf

Respected Sir/Madam,

Proposals are invited for undertaking sponsored applied research studies from researchers/scientists/inventors from the recognized research institutions/ academic institutions/ Govt. organizations, etc. who are able to undertake research studies. The details of the scheme are attached with this email.

The interested Applicants may submit the hard copy of the completed application to the office of the Executive Director (Tech), 4th Floor, NBCC Head Office, Lodhi Road, New Delhi-110003 and the soft copy of the application be sent through e-mail at "innovation.nbcc@nic.in" latest by 31.01.2015.

Thanks and Regards.

Hem Raj
Executive Director(Tech)
National Buildings Construction Corporation Ltd.
New Delhi-110 003
Mobile- +91 9811842569 (DELHI)

Email- innovation.nbcc@nic.in

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1. Please forward to all staff
by 31/12/14
2. Hand copy to
Head Office
3. Hand copy to
Head Office
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Detailed Scheme

NBCC invites Applied Research proposals

Proposals are invited for undertaking sponsored research studies from Researchers/Scientists/ Inventors from the recognized Research Institutions/ Academic institutions/Govt. Organisations/ Non-Govt. Organisations, Private individuals, who are able to undertake research/studies and thereby meet the policy input requirements of NBCC. The following are the salient features/terms of the scheme:

1. Objectives

- To widen the academic support from the research fraternity in supply of inputs for developing new/improving existing technology in field of construction, sustainable Civil infrastructure, etc. for NBCC Ltd.
- To selectively promote the general capability in the relevant areas of construction by supporting need based R&D projects.
- To encourage young scientists/inventors for pursuing innovative research ideas.

2. Eligibility

Approved Researchers/Scientists/ Inventors from the recognized Research Institutions/ Academic institutions/Govt. Organisations/ Non-Govt. Organisations, Private individuals and other agencies which are engaged in action-oriented, applied research would be eligible to submit proposals.

3. Time Schedule for submission of application :

Hard copy of the completed application may be forwarded to "The ED (Tech) Office, 4th Floor, NBCC Head Office, Lodhi Road, New Delhi 110 003. The applications completed in all respect, should reach NBCC, HO on or before 31 January 2014. Soft copies may be sent to "innovation.nbcc@nic.in".

4. Theme

The major themes of the research for 2015-16 are:

1. Sustainable Civil Infrastructure;
2. Low Cost Housing- Redevelopment of Urban-Slum areas;
3. New Construction Technology for speedy/faster construction;
4. Automated Construction practices;
5. Green / smart building planning;
6. Pre-Engineered and composite structures.

The studies may cover aspects of the above themes. The issues mentioned are tentative and researchers are free to cover other relevant aspects they deem fit.

5. Methodology

The research must be empirical (i.e. an analysis of the primary data to be collected by the individual/agency through surveys or case studies and /or analysis of secondary data already published by official or other agencies) in nature having a bearing on Urban Infrastructure Development. The research should be original in nature and should not repeat the work already done or being done by other agencies. Except some part of survey works for data collection, research project/study cannot be outsourced by the agencies entirely or partly. However, NBCC may choose to collaborate in select projects by involving its officers in suitable manner.

6. Selection Procedures/Project Appraisal:

The studies may cover aspects of the above themes. The issues mentioned are tentative and researchers are free to cover other relevant aspects they deem fit.

The applicants need to submit proposal in the prescribed application format (Appendix 1).

The project will be subjected to a preliminary appraisal by an internal screening committee. The preliminary appraisal will be based on the following parameters:-

1. Duration and budget of the project.
2. Relevance of the topic of research to NBCC Ltd.
3. Confirmation of the project proposal to the guidelines, enunciated in the scheme.
4. Company's previous experience with the institution submitting the project and general reputation of the institution.
5. Infrastructure available with the Principal Investigator or his institution.
6. The internal screening committee can interact with the Principal Investigator/ sponsoring institutions and suitability of the project for grant-in-aid.

Principal Investigator (PI) of most appropriate proposals will be advised to make presentation before a Screening Committee in NBCC, HO, New Delhi.

Preference will be given for study /research in applied fields/areas; projects which are problem oriented and have short duration. Normally projects on research in pure science areas will not be supported. The selected Institution/Agencies will be sanctioned projects with financial assistance from R&D Fund/Budget of NBCC. NBCC reserves the right to (i) invite applications outside of this fold of this advertisement and (ii) reject any proposal based on its own

set criteria without assigning any reason. Its decision will be final in this regard and no further correspondence in any manner will be entertained.

7. Duration of the Project

The duration of the project should not exceed 3 years. In exceptional circumstances, Executive committee may allow a higher duration and outlay, after recording reasons.

The Institute/Researcher/Scientist/ should submit interim reports at every 3 months for the project duration, from the date of acceptance of the offer/terms and conditions of the project. A draft final report of the project at the end of the project duration shall be submitted. Extension of time period will not be allowed under any circumstances.

8. Final acceptance of the Report

The draft final report will be reviewed by the experts (internal/external) and comments will be communicated to the agency/ institute for incorporating and modifying the report. The Institution will be asked to present the modified report in NBCC before the Screening/Expert Committee which will finalise the report/or suggest modification for refining.

9. Budget and Release of fund

On acceptance of the terms and conditions of the study, 50% of the sanctioned amount will be released to the agency, as advance payment and the 40 % of the sanctioned amount will be released on acceptance of draft report and the remaining 10% will be paid after accepting the final report.

10. Responsibilities

- The agency involved, have to accept the terms and conditions of the project and adhere to the time schedule.
- Quarterly progress report, of the project, have to be sent in the prescribed format to NBCC regularly (within 10 days of completion of respective period).
- The Institute shall not publish the reports or the results of study project without obtaining written permission from NBCC.
- NBCC shall have the sole right to use the report or results of research for its internal use as also for training purposes after acknowledging the source.
- Any statutory obligation arising out of the study Project / Programme, such as payment of income tax, shall be the exclusive responsibility of the agency. Exemption, if any, is required to be sought by the agency from the competent authority and file the certificate of exemption with the bank to

avoid deduction at source. The details of this may be stated in the proposals submitted for R & D fund assistance.

- NBCC retain the right to withdraw the sanction and recall the amount released in case of non-starter projects or in cases of unsatisfactory progress.

11. **Dissemination of Works:**

The entire research outcome shall be submitted and reported to NBCC in the form of research reports. Periodical assessments may be conducted by the project monitoring committee (PMC). The concerned Institute may publish the results of the research and development works in National and International Journals with acknowledgement to NBCC Ltd.

12. **Intellectual Property Rights:**

Reports/data generated will be given to any other agency, institution or department only after the written consent of N.B.C.C. Ltd.

If Intellectual Patent Right (IPR) filed, it shall be in the joint name of Institute and N.B.C.C. Ltd.

13. **Arbitration:**

In the event of any dispute or difference at any time arising between the parties relating to R&D project or any other clause(s) or any content of the right and liabilities of the parties or with reference to anything arising out of the services or otherwise in relation to the terms, whether during the services or thereafter, such disputes or differences shall be endeavoured be resolved by mutual negotiations. If however, such resolution is not possible then the dispute shall be resolved through arbitration by two arbitrators, one to be appointed by each party to the dispute and third arbitrator who will work as presiding arbitrator to be appointed by the arbitrators in writing, before taking upon themselves the burden of arbitration. Such a reference shall be deemed to be a submission to arbitration under the India Arbitration and conciliation Act 1996 and of any modification, amendment or re-enactment thereof.