



## REQUEST FOR PROPOSAL

**RFP No** : RGR/ASDMA/18/2016/4

**RFP on** : Demonstrative Retrofitting of Old Gynae Building of Guwahati Medical College Hospital (GMCH) in Guwahati City, Bhangagarh, Dispur, Guwahati - 32

**Issued By** : Assam State Disaster Management Authority

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### **Summary of Proposal:**

This Request For Proposal (RFP) is issued by the Assam State Disaster Management Authority to obtain proposal from Firms/Institutions/Organisations having expertise and experience of carrying out Structural Retrofitting Works of buildings with any Government departments within the State of Assam or India for undertaking retrofitting of Old Gynae Building (G+3) of Guwahati Medical College Hospital (GMCH) in Guwahati City, (South side of GMCH), Bhangagarh, Dispur, Guwahati.

  
Chief Executive Officer  
Assam State Disaster  
Management Authority  
Dispur, Guwahati-6

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**1. REQUEST FOR PROPOSAL TERMINOLOGY**

Throughout this document, the following definitions apply:

- a) "Applicant" means a party that submits, or intends to submit, a Proposal;
- b) "Work Order" means the written order resulting from this RFP issued by the Authority;
- c) "The Authority" means the Assam State Disaster Management Authority;
- d) "Must", or "mandatory" means a requirement that must be met in order for a Proposal to receive consideration;
- e) "Proposal" means a proposal submitted in response to this RFP;
- f) "RFP" means this Request for Proposal and
- g) "Should" or "desirable" means a requirement having a significant degree of importance to the objectives of RFP.

*OK*  
**Chief Executive Officer  
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## 2. EXECUTIVE SUMMARY

### Background

During the Bhuj Earthquake on 26<sup>th</sup> January, 2001, Civil Hospital in Bhuj known as G K Hospital was devastated by the earthquake and the hospital was not functional when the city needed it most.

The hospitals and health care facilities are important infrastructure, which are critical for post-earthquake disaster management and recovery. The hospital buildings contain highly sensitive and expensive installations and medical equipments, many of them are critical to life saving situation. Damage to these health-care facilities paralyses the capacity to handle patients in the post disaster scenario and leads to damage of higher scale.

When the ground shakes in an earthquake, the shaking is transferred to the building, potentially causing both structural & non-structural damages. The structural damage can consist of cracks in structural walls, bent or broken or damage to columns and beams. Structural Damages can range from minor (a few cracks), to major (parts of the structure rendered ineffective and potentially unsafe), to complete collapse. Thus, for hospital buildings to be functional in the post-disaster period needs to be structurally safe from seismic damages.

In this context, Assam State Disaster Management Authority (ASDMA) in collaboration with Civil Engineering Department, Assam Engineering College, Guwahati had carried out the "Status Survey of Hospital Buildings in Guwahati City and Retrofitting Solutions". ASDMA has already requested the Hospital authorities to take immediate steps for implementing the structural & non-structural mitigation measures followed by retrofitting measures as suggested in the report.

Further, ASDMA in collaboration with Sate PWD (Buildings) had also conducted Non Destructive Test (NDT) in 40 Health Facilities under Health Department to get stock of structural vulnerability of these buildings for framing a roadmap for strengthening of health infrastructure to restore post-disaster health services in the event of devastating earthquakes.

To expedite the process, as approved by the State Executive Committee, ASDMA will initiate a project for structural mitigation measures through retrofitting in one hospital building in Guwahati city.

In view of the above, ASDMA invites Request For Proposal (RFP) for undertaking of **Demonstrative Retrofitting works in Old Gynae Building (G+3) of of Guwahati Medical College Hospital (GMCH) in Guwahati City, (South side of GMCH), Bhangagarh, Dispur, Guwahati – 32.**

  
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### 3. TERMS OF REFERENCE :

#### A) Scope of work:

The scope of the work includes the following:

- i. Conduct of detailed seismic assessment to determine seismic retrofit for the Old Gynae Building (G+3) of Guwahati Medical College Hospital (GMCH) in Guwahati City, (South side of GMCH), Bhangagarh, Dispur, Guwahati – 32.
- ii. The firm / institute or agency will work under the technical guidance of the Civil Engineering Department of IIT (G) / Assam Engineering College, Guwahati.
- iii. The proposal will be in line with the available NDMA Guidelines on the subject.
- iv. The proposal may also include value additions to the project objectives i.e. upgrading building functionality to immediate occupancy in the post-earthquake scenario.
- v. Gather and compile information about buildings and site conditions (drawings, soils reports, etc.) through field investigation.
- vi. The firm / institute or agency will also refer to the Non Destructive Test (NDT) results conducted by PWD
- vii. Global and Local Retrofitting of RCC Members (Columns & Beams), slabs, wooden members (if any), other structural members, wherever necessary.
- viii. Systematic documentation of the key activities and process adopted for the retrofitting works.
- ix. Work must be carried out as per technical specifications determined for seismic retrofitting and the firm / institute or agency must be willing to carry out minor changes to suit the site conditions as per requirement of the hospital authority.
- x. Provide a retrofitting execution and non-disruption planning.
- xi. Finalization of retrofit scheme, development of construction documents, cost estimates for planning purposes, and the development of quality control processes
- xii. All supplies / materials including water and electricity has to be arranged by the successful bidder.
- xiii. The cost of technical vetting/review and any testing related to quality control of material and work including NDT etc. will be borne by the applicant.

#### B) Eligibility criteria and Experience:

- i. To qualify, the firm / institute or agency should have done at least one retrofitting work of similar nature in Govt. / public sector , reputed private organisation during the past five years ending 31/12/2015
- ii. Copies of documents in proof of similar work done shall be submitted along with the offer for verification.
- iii. At least three/ experts in the field of structural retrofitting should be employed with the agency/ Institute or the firm on long term basis and their CVs should be furnished.
- iv. List of personnel who will be engaged for the work should be submitted along with their CVs.

**Note: Agency must provide necessary supporting documents as proof in respect of the eligibility criteria mentioned above**

  
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