



**Assam State Disaster Management Authority (ASDMA)
Government of Assam**

Expression of Interest (EOI) for '**Non-structural Mitigation measures in Hospitals**' is invited from registered Institutes / Organizations / Agencies to:

1. To undertake corrective measures towards non-structural mitigation categorized in 35 Hospitals / Health Institute both Govt & Private in Guwahati City.
2. Prepare and submit report of the whole process of implementation for documentation along with photographs.

A. Background :

Every year seismic observatories record about two hundred earthquakes of varying intensities with epicentres in or around North Eastern Region which falls in most vulnerable seismic Zone V. The scenarios developed for M 8+ earthquakes in current contexts of Assam, project massive loss of life & property and enormous damage to infrastructure & environment.

The hospitals and health care facilities are another important infrastructure, which are critical for post-earthquake disaster management and recovery. The hospital buildings contain highly sensitive and expensive installations and medical equipments and many of them are critical to life saving situation. Damage to these sensitive installations paralyse the capacity to handle disaster and leads to high direct economic losses and.

Assam State Disaster Management Authority (ASDMA) in collaboration with Civil Engineering Department, Assam Engineering College, Guwahati had carried out the "Status Survey of Schools & Hospital Buildings in Guwahati City and Retrofitting Solutions". The project has been completed and the multi-hazard vulnerability report (available in ASDMA website) is also published in the workshop organized by ASDMA on 12th August, 2014 at NRHM Conference Hall, Christian Basti, Guwahati and disseminated the information on the vulnerability status of the hospitals to the stakeholders and take immediate corrective measures based on the study findings. While addressing structural vulnerability is a complex, costly and time taking mitigation measure, Non-Structural Mitigation (NSM)

measures comes cheaper and handy which is executable in a short span of time and a cost-effective tool to reduce loss of property. 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.

To expedite the process, as approved by the State Executive Committee, ASDMA will initiate a project for taking corrective measures towards non-structural mitigation categorized in the scope of work.

B. Terms of Reference:

- a. Devise a detail methodology for carrying out the non-structural mitigation categorized
- b. Undertake corrective measures towards non-structural mitigation categorized under the following nine parameters (as applicable) in 35 Hospitals / Health Institute (Hospital List in **Annexure – I**) both Govt & Private inside Guwahati City
 - I. **O.T.** (Fixation of equipments not secured from toppling / falling)
 - II. **ICU / CCU** (Fixation of equipments not secured from toppling / falling)
 - III. **Corridors** (Clearing narrow corridors, obstructed with equipments or other elements)
 - IV. **Emergency Exit** (Marking faulty location, Narrow corridor, No exit sign with glow-sign strips)
 - V. **Fire hazard** (Fixation of equipments)
 - VI. **Oxygen line** (Making oxygen cylinders secured in the store and also use flexible connectivity at the building joints / level difference)
 - VII. **Electrical Equipments** (Fixation of equipments)
 - VIII. **Falling Hazards** (Fixation and securing equipments, overhead fittings etc.)
- c. Prepare and submit report of the whole process of implementation for documentation along with photographs.

C. Qualification & Experience

The Institute / Organization / Agency must describe and explain its eligibility by indicating and including in their expression of interest the following:

- a) Comprehensive profile: Organizational profile describing the nature of business, organogram, field of expertise, years of experiences in regard to the areas included in the

scope of work, date of establishment with a breakdown of available personnel and their capacities (Full and verified CVs of key staff).

- b) The organization should have valid and certified Certificate of Registration.
- c) Full and accurate physical, postal, telephone and email address of the organization.
- d) **Documents in support of having experience in undertaking non-structural mitigation measures of similar nature**
- e) Documents specifying the roles and responsibilities of each entity and identifying the lead entity must be submitted if the applicant is a Joint Venture/ Consortium/ Association, copy of the Memorandum of Understanding/ Agreement or Letter of Intent to form a JV/ Consortium.
- f) Supporting documents / undertakings for all the above Qualification & Experience must be submitted along with the EOI.

Suitable registered firms will be selected in accordance with the procedure set out by Assam State Disaster Management Authority based on the EOIs received and subsequent evaluation through presentation by the shortlisted firms.

EOI must be delivered on or before 27/5/16 2016 at the following address:

Assam State Disaster Management Authority (ASDMA)
Ancillary Block II
Assam State Secretariat
Dispur, Guwahati- 781006

The EOI may also be downloaded from <http://www.asdma.gov.in>

EOIs received after the last date of submission shall not be considered. Assam State Disaster Management Authority shall not be responsible for any delay in submission including delay due to postal or any other reason whatsoever.



(Dipak Kumar Sarma)
Chief Executive Officer
Assam State Disaster Management Authority

