

<b>AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT</b>		<b>1. CONTRACT ID CODE</b>		<b>PAGE OF PAGES</b> 1 of 2	
<b>2. AMENDMENT/MODIFICATION NO.</b> A001		<b>3. EFFECTIVE DATE</b> 05/31/2012		<b>4. REQUISITION/PURCHASE REQ. NO.</b>	
<b>5. PROJECT NO. (If applicable)</b>		<b>6. ISSUED BY</b> Contracting Officer American Embassy Dhaka, Bangladesh		<b>7. ADMINISTERED BY (If other than Item 6)</b> Contracting Officer American Embassy Dhaka, Bangladesh	
<b>8. NAME AND ADDRESS OF CONTRACTOR (NO., street, city, county, State, and ZIP Code)</b>		<b>9a. AMENDMENT OF SOLICITATION NO.</b>		<b>9b. DATED (SEE ITEM 11)</b>	
		<b>10a. MODIFICATION OF CONTRACT/ORDER NO.</b> x SBG300-12-Q-0325676		<b>10b. DATED (SEE ITEM 13)</b> 05/17/2012	
<b>11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS</b>					
<p><input type="checkbox"/> The above numbered solicitation is amended as set forth in Item 14. The hour and date specified for receipt of Offers <input type="checkbox"/> is extended, <input type="checkbox"/> is not extended</p> <p>Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods: (a) By completing Items 8 and 15, and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers.</p> <p><b>FAILURE OF YOUR ACKNOWLEDGMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER.</b> If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.</p>					
<b>12. ACCOUNTING AND APPROPRIATION DATA (If required)</b>					
<b>13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACTS/ORDERS, IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.</b>					
A. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.					
X B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b)					
C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF: Mutual Agreement of Parties					
D. OTHER (Specify type of modification and authority) Mutual agreement of the parties					
E. <b>IMPORTANT:</b> Contractor <input checked="" type="checkbox"/> is not, <input type="checkbox"/> is required to sign this document and return _____ copies to the issuing office.					
<b>14. DESCRIPTION OF AMENDMENT/MODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)</b>					
Effective from May 31, 2012, the RFQ # SBG300-12-Q-0325676 is hereby amended due to the following changes:					
1. The new submission date is now June 17, 2012 instead of May 31, 2012 by 1600 hour.					
Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.					
<b>15A. NAME AND TITLE OF SIGNER (Type or print)</b> - Contractor			<b>16A. NAME OF CONTRACTING OFFICER</b> Brad Page - Contracting Officer		
<b>15B. NAME OF CONTRACTOR/OFFEROR</b> BY _____ (Signature of person authorized to sign)		<b>15C. DATE SIGNED</b>		<b>16B. UNITED STATES OF AMERICA</b> BY _____ (Signature of Contracting Officer)	
				<b>16C. DATE SIGNED</b> May 31, 2012	

**Request for Quotations (RFQ) (under \$100,000)**

<b>REQUEST FOR QUOTATIONS</b> <i>(THIS IS NOT AN ORDER)</i>		THIS RFQ <input type="checkbox"/> IS <input checked="" type="checkbox"/> IS NOT A SMALL BUSINESS- SMALL PURCHASE SET-ASIDE (52.219-4)			PAGE 1	OF 1	PAGES 1
1. REQUEST NO. <b>SBG300-12-Q-0676</b>	2. DATE ISSUED <b>05/31/2012</b>	3. REQUISITION/PURCHASE REQUEST NO.	4. CERT. FOR NAT. DEF. UNDER BDSA REG. 2 AND/OR DMS REG. 1	RATING			
5A. ISSUED BY <b>American Embassy Dhaka, Bangladesh, Annex Building, Procurement &amp; Contracting Office</b>			6. DELIVER BY (Date)				
5B. FOR INFORMATION CALL: (Name and telephone no.) (No collect calls)			7. DELIVERY FOB DESTINATION      OTHER (See Schedule)				
NAME Sohana Dordana-Procurement Agent Md. Maruful Islam-Manager/Procurement & Contracting Unit		TELEPHONE NUMBER AREA CODE      NUMBER <b>8855500</b>					
8. TO:			9. DESTINATION				
a. NAME		b. COMPANY		a. NAME OF CONSIGNEE			
c. STREET ADDRESS			b. STREET ADDRESS				
d. CITY		e. STATE		f. ZIP CODE		c. CITY	
						d. STATE      e. ZIP CODE	
10. PLEASE FURNISH QUOTATIONS TO THE ISSUING OFFICE IN BLOCK 5A ON OR BEFORE CLOSE OF BUSINESS (Date) <b>On or before June 17, 2012 1600 hrs.</b>		<b>IMPORTANT:</b> This is a request for information, and quotations furnished are not offers. If you are unable to quote, please so indicate on this form and return it to the address in Block 5A. This request does not commit the Government to pay any costs incurred in the preparation of the submission of this quotation or to contract for supplies or services. Supplies are of domestic origin unless otherwise indicated by quoter. Any representations and/or certifications attached to this Request for Quotations must be completed by the quoter					
11. SCHEDULE (Include applicable Federal, State and local taxes)							
ITEM NO. (a)	SUPPLIES/SERVICES (b)		QUANTITY (c)	UNIT (d)	UNIT PRICE (e)	AMOUNT (f)	
	<b>Request price quotation to do seismic Screening/assessment of housing properties of US Embassy Dhaka, Bangladesh as per attached scope of work &amp; instruction (revised). Please see attached for details.</b>  Your quotation shall include all direct and indirect costs i.e. insurance, overhead, general, administrative expense, profit, per diem & lodging (if required), transportation, travel etc.  Date of Commencement: According to the instruction and after the issuance of PO or contract or BPA.  <b>Performance period: Approximately within one year after the commencement or would be varied.</b>  Please note that if you have any query or question please send email to this address: <a href="mailto:ProcDhaka@state.gov">ProcDhaka@state.gov</a> .						
12 DISCOUNT FOR PROMPT PAYMENT		a. 10 CALENDAR DAYS %	b. 20 CALENDAR DAYS %	c. 30 CALENDAR DAYS %		d. CALENDAR DAYS NUMBER      %	
NOTE: Additional provisions and representations <input type="checkbox"/> are <input type="checkbox"/> are not attached.							
13 NAME AND ADDRESS OF QUOTER			14 SIGNATURE OF PERSON AUTHORIZED TO SIGN QUOTATION		15 DATE OF QUOTATION		
a. NAME OF QUOTER							
b. STREET ADDRESS			16. SIGNER				
c. COUNTY			a. NAME (Type or print)			b. TELEPHONE	
d. CITY	e. STATE	f. ZIP CODE	c. TITLE (Type or print)		AREA CODE		
					NUMBER		

## **SCOPE OF WORK**

### **SEISMIC SCREENING/ASSESSMENT OF HOUSING PROPERTIES OF US EMBASSY, DHAKA, BANGLADESH**

**PREPARED BY: MAHMUD HASAN – CHIEF ENGINEER  
APPROVED BY: CHARLES LITTLEFIELD – FACILITY MANAGER  
DATE: APRIL 2012**

**SCOPE OF WORK**  
**SEISMIC SCREENING/ASSESSMENT OF HOUSING PROPERTIES**  
**OF US EMBASSY, DHAKA, BANGLADESH**

**A. BACKGROUND**

The U.S. Embassy in Dhaka, Bangladesh has a need to identify seismically competent properties in the his housing pool as well as in the local housing market for possible lease located in Baridhara and Gulshan nearer to the US Embassy. Housing types under consideration include single-family detached residences, townhouse and apartment units. The assistance from a local AE Firm/Consultant who has qualified structural Engineers and has in-depth knowledge of indigenous housing construction and is well versed in seismic engineering is being sought for this effort.

**B. GENERAL**

1. The intent of this scope of work (SOW) is to perform a qualitative assessment of a variety of residential structures, including single-family detached residences, townhouses, and apartment buildings, for their seismic adequacy. This work includes the identification and evaluation of significant non-structural seismic hazards. Retrofitting design to mitigate the identified seismic deficiencies is, however, not included.
2. The U.S. Government considers Dhaka to be in a Uniform Building Code (UBC)/ International Building Code (IBC) seismic zone 2B with a Z factor of 0.20 and an earthquake recurrence interval of 475 years. This is a more stringent standard than the local Bangladeshi National Building Code (BNBC). This higher standard shall be taken into consideration, along with a Life Safety performance target, for the seismic evaluation of all buildings.
3. This SOW incorporates a two-step evaluation process that is intended to minimize the effort spent on buildings that can readily be observed as seismically deficient. Each building is to be quickly screened in the initial Step 1 to determine whether or not there are obvious deficiencies that clearly put its seismic adequacy in doubt and make it unnecessary to carry out the work further. Step 2 encompasses the balance of the work and is to be performed only if warranted by the results of the Step 1 screening.
4. It is anticipated that this will be an intermittent, multi-year work effort that ebbs and flows with the Embassy's housing needs and the availability of properties being offered for lease in the local market. As such, the Embassy cannot make any guaranties on either the number of buildings or the length of engagement it can offer the AE Firm/Consultant.

5. Assessment of prospective housing is often needed with a very short advance notice due to the short-term availability of these properties. The AE Firm's ability to mobilize and complete the work in a timely fashion is critical.
6. Buildings with cast-in-place, reinforced concrete shear walls and floor/roof slabs are inherently more resistant seismically than others and are strongly preferred by the Embassy. If such construction is not available in Dhaka, the next preference would be recently constructed and well-built (i.e., quality design and construction) structures with generously-proportioned reinforced concrete beams and columns (no flat plate or flat slab construction), confined brick (not hollow clay tile) infills, and a perimeter banding beam at each floor/roof level.
7. The Embassy is aware that parts of the city were built on former swamps and lakes and would like to avoid properties located in such areas. Thus, the AE Firm/ Consultant is expected to assist the Embassy with identifying such buildings from the list of properties under review so that they can be eliminated from further consideration without more ado.

## **C. WORK TASKS**

### **C.1 Step 1**

The intent of Step 1 is to perform a preliminary and rapid assessment of each building to screen out and eliminate from further investigation those that are clearly undesirable due to serious structural deficiencies and other flaws that can be easily observed upon a quick visual inspection. Thus, time and money can be conserved and concentrated on buildings with better seismic potential. The following shall be performed:

1. Obtain available design and construction information such as architectural and structural drawings/floor plans, construction photos, correspondence, building permits, dates of construction, etc.
2. Travel to and perform a quick visually inspection of the building, taking note of all observable conditions and features that adversely impact its seismic performance. Such unfavorable conditions and features may include: significant structural irregularities (weak or soft story, extreme torsion, short column, discontinuity of shear walls, etc.), severe building deteriorations, adjacency to other hazards, potential for pounding, or simply insufficient strength and stiffness of the building to resist the expected seismic forces.
3. Forecast, based on the above visual observations, the anticipated seismic performance of the building. This prognosis shall then be used as a guideline to determine whether or not to perform Step 2 study on it. In general, a building should be dropped from further consideration if it can reasonably be concluded from the visual inspection that it will perform poorly in an earthquake.

4. Present the findings, conclusions, and recommendations to the Embassy's representative and obtain his/her concurrence on the next course of action, i.e., either terminate the work or proceed to Step 2. This shall be done verbally and completed while the Engineer (AE Firm/ Consultant) is still on site so that the fieldwork portion of Step 2 can be immediately followed if favorable conditions that justify advancing past Step 1 exist.
5. Proceed to Step 2 only if authorized by the Embassy in C.1.4 above.
6. Terminate the work otherwise and prepare a letter report (with photos) documenting the findings and conclusions that support the decision to eliminate the building from further consideration.

## **C.2 Step 2**

Step 2 is the continuation of the building evaluation process. It is only to be performed if the building has not been ruled out in Step 1. The following shall be performed:

1. Continue with the field survey and building walk-through. Develop/gather information relating to the following:
  - a. General building condition and quality of construction.
  - b. Verification of construction matching drawings/floor plans.
  - c. Evidence of any settlement, structural deterioration or distress.
  - d. Evidence of damage or repair from previous earthquakes.
  - e. Evidence of additions and modifications since original construction and/or evidence of un-engineered modifications.
  - f. Presence of significant non-structural seismic hazards in and around the building.
  - g. Number of emergency escape routes and presence of potential falling hazards along these routes.
  - h. Proximity of the building to natural and man-made hazards such as steep hills or slopes, dikes and reservoirs, water and antenna towers, hazardous chemical storage tanks, high-voltage power lines, etc.
  - i. Interior and exterior photos of the building.
2. Gather also the following additional information during the field investigation if the existing drawings are not available or if they are missing from the existing drawings:
  - a. Overall building dimensions, floor plans, typical beam and column spacing and orientation, story heights, etc.
  - b. Typical beam and column sizes; floor and roof construction; slab thicknesses; interior and exterior wall construction and thicknesses; etc.
3. Meet with the building owner, his architect/engineer, and/or contractor as necessary to develop/gather as much of the following data as possible if they are still unavailable/missing:

- a. Typical concrete beam, column, and shear wall reinforcement detailing including reinforcing steel sizes and amounts, spacing of column ties and beam stirrups, location of column bar splices, shear wall details, shear wall cross ties and boundary elements, whether or not 135° seismic hooks were used, etc.
  - b. Typical reinforcement detailing in the interior and exterior walls and partitions, if of reinforced masonry construction.
  - c. Foundation design and allowable soil bearing.
  - d. Construction progress photos that might confirm design and construction process and quality.
  - e. Any inspection services or involvement during construction by architect or engineer.
4. Prepare a report (one for each assessed building) to provide the following:
- a. Data itemized in the checklist (Attachment A).
  - b. Qualitative discussion and evaluation by the AE Firm of the following building features:
    - Presence (or lack of) of a complete load path for seismic forces.
    - Redundancy in the lateral force resisting system.
    - Horizontal and vertical structural irregularities (weak or soft stories, diaphragm or shear wall discontinuities, geometric, mass, and torsional irregularities, etc.).
    - Adjacency to other buildings.
    - Condition of structural materials.
    - State of repair or any settlement.
    - Level of concrete reinforcement detailing with regard to ductility.
    - Connection of floor and roof diaphragms to shear/bearing walls or frame.
    - Construction of infill walls and of other masonry walls and partitions. (solid or hollow masonry, reinforced or unreinforced, confined or unconfined, continuous to the beam soffit or discontinuous such that short columns exist, etc.)
    - Connection of infill walls to the structural frame or slab.
    - Amount and distribution of walls in both parallel and perpendicular to the street directions.
    - Presence of significant non-structural seismic hazards in and around the building.
    - Number of emergency escape routes and presence of potential falling hazards along these routes.
    - Additions and modification to original design/construction.
    - Location of building with respect to potential liquefaction areas.
    - Location of the building with respect to natural and man-made hazards such as steep hills or slopes, dikes and reservoirs, water and antenna towers, hazardous chemical storage tanks, high-voltage power lines, etc.
    - Others identified by the AE Firm.
  - c. The quality of the design and construction of the building relative to local standard of upper-end residential construction.
  - d. A summary of observed deficiencies.
  - e. Expected seismic performance of the building, including a prognosis of potential damage level (i.e., minor damage, moderate damage, major damage, or partial/total collapse) and corresponding life safety risk to occupants.

- f. Copies of existing drawings and/or sketches of floor plans.
- g. Interior and exterior photos of the building.

**D. OTHER CONSIDERATIONS**

1. Properties for which architectural and structural drawings cannot be found may be indicative of a lower quality level. Absence of drawings should be treated with suspicion.
2. A cursory checklist of information, for which the AE Firm/Consultant is to make his best effort to obtain, is included in Attachment A. It is expected that the Engineer will modify/expand this checklist as appropriate for the situation at hand.
3. The AE Firm/Consultant is discouraged from automatically equating being in compliance with local building codes with being seismically competent. Instead, the projection of future seismic performance of a building shall be based on its actual conditions and features and past earthquake performance of similar structures.
4. There is no testing (non-destructive or destructive) required for this work.

**E. DELIVERABLES**

1. Submit Step 1 letter report as outlined in C.1.6 above (only if Step 2 work is not performed).
2. Submit Step 2 report as outlined in C.2.4 above.
3. Submit two hard copies and one electronic (Microsoft Word or Adobe Acrobat pdf format) copy of each report.
4. All deliverables shall be written in English.
5. Any of the above reports may require multiple submissions if necessitated by review comments by the Embassy/Overseas Building Operations (OBO) in Washington DC, USA.

**F. SCHEDULE**

1. Submit Step 1 report within one week (7 Days) of completion of this work.
2. Submit Step 2 report within four weeks (28 Working Days) of completion of the fieldwork portion of this Step.

**A. CONTRACTING OFFICER'S REPRESENTATIVE**

The Contracting Officer's Representatives (COR) are:

- a. Facility Manager
- b. Chief Engineer

## **G. ATTACHMENT**

Attachment A – Checklist  
Attachment B – House list

## ATTACHMENT A

### Checklist

#### General:

- Building description
- Date of construction
- Location on a city map
- Identifier (owners name or street address, etc.)
- Modifications/additions since original design

#### Documentation:

- Architectural floor plans
- Elevations
- Structural drawings
- Construction progress photos

#### Interview w/ Architect, Engineer, Constructor:

- Architect or Engineer involvement during construction

#### Foundations and Soils:

- Spread footings
- Continuous footings
- Grade or tie beams
- Allowable soil bearing
- Proximity to liquefaction zone
- Proximity to natural and man-made hazards

#### Structural System

- Framing system
- Number of stories and story heights
- Floor and roof construction
- Slab thicknesses and their attachment to walls
- Size and reinforcement details of perimeter banding beam at each floor/roof level.
- Beam and column sizes
- Exterior wall thickness
- Interior wall thickness
- Confinement detailing in walls
- Wall h/t ratios
- Unreinforced brick/masonry bearing walls

#### Non-structural hazards

- Parapets
- Porte-cocheres and carports
- Location and anchorage of equipment
- Presence of potential falling hazards along egress routes
- Adjacency to other buildings

## **ATTACHMENT-B**

01. Multi-Storied Apartments – 10 (6 to 15 storied)

Note: Name and address will be provided before survey.

**BID SCHEDULE:**

SL#	DESCRIPTION OF WORK	UNIT	QTY	UNIT COST (Tk:)	TOTAL COST (Tk:)
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01. Multistoried Apartments (6 to 15 storied):

a.	Price for Step-1	Ea	10		
b.	Price for Step-2	Ea	10		

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**Total Cost (including profit and overheads) Tk:**

Amount in words (Taka): \_\_\_\_\_

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\_\_\_\_\_  
Signature of Contractor

\_\_\_\_\_  
Date

Prepared: Mahmud Hasan - Chief Engineer  
Approved: Charles Littlefield – Facility Manager

Facility Engineering, U. S. Embassy, Dhaka  
Doc Seismic Survey Dt: April 2012

INSTRUCTIONS, CONDITIONS, AND NOTICES TO OFFERORS

**The contractor has to demonstrate following information for the offeror's ability to perform, including:**

- (1) Name of a Project Manager (or other liaison to the Embassy/Consulate) who understands written and spoken English;
- (2) Evidence that the offeror operates an established business with a permanent address and telephone listing;
- (3) List of clients, demonstrating experience with relevant past performance information and references;
- (4) Evidence that the offeror can provide the necessary personnel, equipment, and financial resources needed to perform the work;
- (5) Evidence that the offeror has all licenses and permits required by local law.