

**Request for Expression of Interest (REOI)****GOVERNMENT OF THE PEOPLES' REPUBLIC OF BANGLADESH**

1	<b>Ministry/Division:</b>	Secondary and Higher Education Division, Ministry of Education
2	<b>Agency:</b>	Bangladesh Bureau of Educational Information & Statistics (BANBEIS)
3	<b>Name of Procuring Entity:</b>	Project Director, Establishment of "Integrated Educational Information Management System (IEIMS)" Project
4	<b>Procuring Entity Code:</b>	224246000
5	<b>Procuring Entity District:</b>	Dhaka
6	<b>EOI for Selection of:</b>	Software development firm –National(Lump-Sump)
7	<b>Title of Service:</b>	Design and development of different Software modules to be used by all General Education Boards, Bangladesh Madrasah and Technical Education Boards. with Training, maintenance support for 3(Three) years.
8	<b>EOI Ref. No.:</b>	37.20.0000.005.22.114. 20/3439
9	<b>Date:</b>	02 /07/ 2020

**KEY INFORMATION**

10	<b>Procurement Method</b>	Quality and Cost based Selection(QCBS)
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**FUNDING INFORMATION**

11	<b>Budget and Source of Funds:</b>	Development Budget (GOB)
12	<b>Development Partners:</b>	Not applicable

**PARTICULAR INFORMATION**

13	<b>Project/Programme Code:</b>	224246000
14	<b>Project/Programme Name</b>	Establishment of "Integrated Educational Information Management System (IEIMS)" Project
15	<b>EOI Closing Date &amp; Time:</b>	16 /07/ 2020, within 3:00 p.m.

**INFORMATION FOR APPLICANTS/ SOFTWARE FIRMS**

16	<b>Brief Description of Assignment:</b>	<p>Establishment of "Integrated Educational Information Management System (IEIMS)" Project now invites eligible firms to indicate the interest for providing the services. Interested firms are invited to provide information indicating that they are qualified to perform the services as mentioned in the serial number 17: Experience, Resources and Delivery Capacity Required. This will require substantiation through submission of brochures and other documents describing similar assignments, experiences, availability of appropriate professional qualifications and experiences among applicant's staff, resources to carry out the assignment, financial capability, etc.</p> <p>A shortlist of firms will be prepared upon evaluation of EOIs of the eligible firms and "Request for Proposal" documents will be issued in their favor. A firm will be selected using the Quality and Cost Based Selection (QCBS) method.</p>
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Tentative list of the software modules to be developed under this assigned service is as follows:

- 1) Student registration system at all boards (Class VIII, IX and XI)
- 2) Online practical /sessional /GPA score collection
- 3) All fees collection module with true online
- 4) Module for new center creation and institute distribution
- 5) Online center information system (for daily Examination reports)
- 6) Online teacher's information collection and payment system (for recruiting question setters and moderators, Examiners /head Examiners/scrutinizers')
- 7) SMS Push /Pull services at different boards
- 8) Developing e-filing system for all types of online applications
- 9) Student Form Fill Up system (for all boards)

The following points describe the expected standard of the software of the above modules in brief:


- The software will be developed using state-of-the-art design standards ensuring high performance, availability, reliability, robustness, security, maintainability and extensibility.
- The software will be deployed in an optimized and scalable manner. It should adhere to the continuous integration and continuous delivery (CI/CD) principle. The development should be cloud-native i.e., migration of any part at any time to public/private cloud should be seamless.
- It is expected that the firm will develop a customized solution for the proposed system. Use of open source technology will be recommended unless justified otherwise to prevent unnecessary use of licensed tools/technology/database. Any such use of licensed tools/technology/database must be pre-approved/endorsed by the Client and/or its Nominated Consultants.
- The firm must follow a well-defined software development process to meet the SQA (Software Quality Assurance) criteria specified by the nominated Consultants and followed by standard industry practices.
- The Software must have the provision for extensive configurability and parameterization to ensure easy maintainability.
- The reports should be easily extendable to meet various future requirements.
- It will be a fully bi-lingual (Bangla and English) system.
- The system must be able to communicate through the Internet using web based and mobile communication technologies so that the users can access to the system from anywhere in the World .
- Old data of several years has to be entered from soft-copy document and data migration is also needed from existing database.
- All the documents including the source code and test scripts will have to be provided to the Project Authority for further maintenance and extensibility.
- The functional Requirement Specifications (for the required modules) prepared by the Nominated Consultants (NC) shall be considered as the baseline. However, any justified revision/omission/change thereof may be proposed which shall have to be endorsed by NC before implementation.



		<ul style="list-style-type: none"> <li>The product, in different phases of the software development, will be tested by the Nominated consultants/Education boards according to the testing strategy and schedule provided by them.</li> </ul>
17	<b>Experience, Resources and Delivery Capacity Required:</b>	<p>The firms must prove that they have solid technical background and operational strength to undertake and move this work forward without any hindrances. The firms must also have adequate technical ability, resources, and processes. As such, unless otherwise clearly specified following are defined as minimum eligibility criteria:</p> <ol style="list-style-type: none"> <li>1. Only Bangladeshi firms are eligible.</li> <li>2. Multiple firms (not more than two) having technical and legal competency for developing such a product can apply jointly, but they must have legal agreement among them where one firm must be designated as the lead firm. In what follows, joint applicants are also referred to as a firm and unless otherwise specified, in case of a joint venture, the eligibility criteria will be evaluated against the combined entity (See Clause 18).</li> <li>3. The firm must have 10(Ten) years or more of practical experience of developing large scale software systems to automate organizational activities. Work orders will not be considered as a valid document in this regard.</li> <li>4. The firm must have a work-force having a minimum size of 60 in the payroll comprising a) in-house system architects, b) software developers (including high, medium and low levels), and c) testing and dev-ops having experiences in developing applications with web-based frameworks (e.g., Spring, Struts, etc), non-licensed databases (Relational DBMS such as PostgreSql, MariaDB), enterprise architecture and frameworks.</li> <li>5. The firm must have full-time deployment experts with experience of optimized deployment and provisioning in cloud environment.</li> <li>6. The firm must have strong practice of high quality software engineering process and Quality Assurance (including automated testing).</li> <li>7. The firm is expected to have experience in developing software solutions for The Government of Bangladesh or any of its agencies.</li> <li>8. Quality experience of large-scale software system for Foreign Organizations will be appreciated.</li> <li>9. To demonstrate experience, the firm must present the following information of the major 5(five) software development projects that are complete: brief description of work, technical challenges, actual time-frame of the project, value earned (own portion in case of a joint venture with appropriate documentation) and provide completion/satisfaction certificate from the project authority. Work orders will not be considered as a valid document in this regard.</li> <li>10. The firm must have been involved in developing large scale software systems to automate organizational activities during the last 3(three) years. A list of ongoing projects must be provided with the details mentioned in Clause 9 above (self-certification is enough) mentioning additionally the percentage of completion and expected completion date as per contract.</li> </ol>

		<ol style="list-style-type: none"> <li>11. To demonstrate the human strength, the bidder must give a table for employees mentioning educational qualification with institute/university, experience in relevant technology, and experience in projects. Supporting signed CVs should be attached along with photos.</li> <li>12. The firm must demonstrate its technical management capacity (describing experience to lead similar assignments, experiences, availability of appropriate professional staffs and experiences among applicant's staffs, resources to carry out the assignment) in managing large scale projects.</li> <li>13. The firm must demonstrate its logistical capability, i.e., well-equipped office space at Dhaka with necessary facilities like development and test server of sufficient capacity, other hardware requirements needed to carry out the service.</li> <li>14. The firm must have the minimum amount of liquid assets, i.e., working capital or credit line(s) of BDT 3 (three) Crore.</li> <li>15. The firm must have updated audit report of previous 2(two) years. Yearly turnover of the firm must be at least BDT 1crore. All financial requirements must be supported by verified audit report.</li> <li>16. The firm must have valid and up to date trade license, income tax and VAT certificates.</li> <li>17. The firm must not be black-listed by any legal and/or statutory authority. A self-declaration must be submitted in this regard. In case of an ongoing legal action/proceedings, the firm must demonstrate that the said action and/or verdicts thereof shall not affect the ability to deliver this EOI requirements.</li> <li>18. In case of a joint venture, Criteria 6, 14, 15, 16 and 17 must be met individually by the involved firms excepting in that for Criteria 14 and 15 only the amount (for liquid assets and yearly turnover, respectively) may be met jointly.</li> <li>19. The firm must prepare a summary sheet in the format provided at the following link and follow the prescribed format for completion certificates <a href="https://drive.google.com/drive/folders/1PryiD--p_CJrJAteyPwxV6kYbiw9aua9?usp=sharing">https://drive.google.com/drive/folders/1PryiD--p_CJrJAteyPwxV6kYbiw9aua9?usp=sharing</a> or available in the Project office / <a href="http://www.banbeis.gov.bd">www.banbeis.gov.bd</a></li> </ol>
18	<b>Other Details:</b>	Interested firms shall obtain further information from the Project Office from 10:00 AM to 4:30 PM in any working day before the closing date. Firms shall have to submit 3(Three) copies of EOIs including original, 2(two) soft copies(scanned replica of the signed hard copy) in CD/DVDs and forwarding letter in a sealed envelope labeled with "EOI for Design and development of different Software modules to be used by all General Education Boards, Bangladesh Madrasah and Technical Education Boards with maintenance support for 3(Three) years under IEIMS project to the following address.
19	<b>Association with foreign firm is:</b>	Not applicable

<b>20</b>	<b>EoI detail information</b>				
	Ref. No.	Phasing of services	Location	Start date	Completion date
	37.20.0000.005.22.114. .20/3439	<u>Total duration of the assignment 11 (eleven) months</u> a. 8 months for Design & development b. 3 months for testing, installation, implementation, training and commissioning.	BANBEIS , Education Boards	August 2020/After signing contract	June 2021
<b>PROCURING ENTITY DETAILS</b>					
<b>21</b>	<b>Name of Official Inviting EOI</b>	Md. Shamsul Alam			
<b>22</b>	<b>Designation of Official Inviting EOI</b>	Project Director Establishment of "Integrated Educational Information Management System (IEIMS)" project			
<b>23</b>	<b>Address of Official Inviting EOI</b>	1 Zahir Raihan Road (Palashi-Nilkhet), Dhaka 205, Bangladesh.			
<b>24</b>	<b>Contact Details of Official Inviting EOI</b>	Phone: 55151625 email: shamsul.alam30@yahoo.com			
<b>25</b>	The procuring entity reserves the right to accept or reject any/all EOI without assigning any reason whatsoever.				

  
 02.07.2020  
**Project Director**  
 IEIMS Project  
**Professor Md. Shamsul Alam**  
**Project Director**  
 Establishment of Integrated Educational  
 Information Management System (IEIMS)  
 BANBEIS, Ministry of Education

[Letterhead]

To Whom it May Concern

This is to certify that < name of the firm> COMPLETED the Project/work with the following details:

Name of the Project :

Brief Details of the project :

Is this a joint venture? Y/N

[ If yes] Name of the other company (ies) :

Project Start time :

Project End time :

Total value of the project :

< Any more comment if applicable>

yours sincerely,

< Full name, designation and signature  
of the competent Authority (i.e, client)  
with seal)



## CHECKLIST FOR EOI

## APPENDIX-2

Name of the firm(s)	
1	
2	(in case of JV)

Please fill up Column C, E and F.

Sl. Item	Y/N	Documents Sought	List of Documents Provided as	Sections and Page
1 Are you a Bangladeshi Firm		Appropriate Document		
2 Are you making a joint venture (JV)		Appropriate Document		
3 Do you have legal agreement in case of a JV?		Appropriate Document		
4 Do you have 10 years or more of practical experience		Self Description and		
5 Do you have a work-force having a minimum size of 60		Self Description with payroll		
6 Do you have in-house system architects?		Self Description and Signed CV		
7 high, medium and low levels) and testing and dev-ops having experiences in developing applications with web-based frameworks (e.g., Spring, Struts, etc), non-licensed databases (Relational DBMS such as PostgreSql, MariaDB), enterprise architecture and frameworks.		Self Description and Signed CV		
8 Do you have full-time deployment experts with		Self Description and		
9 Do you have strong practice of high quality software		Self Description		
10 Do you have experience in developing software		Self description and		
11 Do you have experiences of large-scale software		Self description and		
12 Have you described your 5 major software		Self Description and		
13 Are you involved in developing large scale software		Self Description and/or work		
14 Have you provided a table for employees mentioning		Self prepared table		
15 Have you managed large scale projects?		Self Description of project(s)		
16 Do you have an well-equipped office space at Dhaka		Self Description mentioning		
17 Have you provided the bank certificates for the		Original Certificate from a		
18 Do you have updated audit report of previous 2 years?		Verified Audit Report		
19 Is your yearly turnover BDT 1 crore or over?		Verified Audit Report		
Do you have a valid and up-to-date trade license?		Trade License		
Do you have valid and up-to-date income tax		Income TAX certificate		
20 Do you have valid and up-to-date VAT certificates.		VAT Certificate		
21 Is your firm black-listed by any legal and/or statutory		Self Certification		
22 Is there any ongoing legal action/proceedings again		Self Certification		
23 [if yes] Will the legal action and/or verdicts thereof		Self Certification		