



Request for Expression of Interest (EOI)

1.	Ministry	Ministry of Planning
2.	Division	Statistics and Informatics Division (SID)
3.	Procuring entity name	Project Director, Strengthening Environment, Climate Change and Disaster Statistics (ECDS) Project, BBS
4.	Expression of Interest for	Development of Web and Mobile Application for Survey Data Collection, Monitoring, Reporting and Data Management
5.	EoI Ref. No	52.01.0000.903.07.032.19-055
6.	Date	24-10-2019
7.	Procurement method	Quality and Cost Based Selection (QCBS)
8.	Budget and sources of fund	GoB
9.	Project Code	224289700
10.	EOI closing date and time	2:00 pm of 18.11.2019 and be marked "Expression of Interest "
11.	<b>Web and Mobile Application for Data Management:</b> <b>1. Web (Browser) Application:</b> a) The interface should be user friendly with easy to access dashboard. b) The Application should be centralized, web-based solution and cross browser platform (Chrome, Internet Explorer/ Microsoft Edge, Firefox, Opera etc.). c) Front-end should be open source (preferable HTML, PHP and JavaScript) and Back-end central database should be SQL Server or Oracle. d) Should have role-based user authentication and central user access control system to multilevel user creation and privilege set-ups options by system admin. e) Intelligent dashboard for different level of users with some graphical and different features of smart analysis. f) Should have option to store all information in central database with faster retrieval and analysis functionality. g) Develop a system that can facilitate compilation of all field levels (Mauzas/Mahallas to Districts/Divisions) verified data as well as data editing (cleaning and validation) provision by system admin stationed at BBS Headquarters. h) Group based form assign facility by system admin. i) Group based data collection monitor facilities by supervisors. j) Different types of analytical reports according to the requirements of survey. k) Generate real-time progressive data collection report (e.g. data collector wise report, date/month/year wise report, error wise report, area wise collection report, complete/ incomplete report etc.) via map and grid-based view etc. l) The number of questionnaire of household levels will be 2,400,000 (more/less) which will be collected from Disaster Prone areas of Bangladesh or as per the requirement by the Procuring Entity. Each questionnaire will comprise of minimum 40-50 questions. m) Feature to review specific area-based data send from specific enumerators/data collectors detail report from Map. n) Detect fraudulent data from the map by reviewing data set's GPS coordinates. o) Should have dynamic chart generation ad download feature from stored data sets. p) Data export facility and download from the system. <b>2. Mobile Application:</b> a) Develop Android Mobile Applications to collect information from household/Institutions at the district levels (Disaster Prone areas of Bangladesh); b) The Enumerators/Data Collectors will capture the GPS location of each enumerated households using the Application; c) The Enumerators/Data Collectors will automatically receive the particular Questionnaire form/schedules into his/her handset using the applications. d) The Enumerators/Data Collectors can check the data, which is collected through their handset offline. e) The Enumerators/Data Collectors can collect data both in online and offline with facility of sending offline data when get online. f) Multiple Enumerators/Data Collectors can receive questionnaires through unique user name and password to access the applications, which will be controlled at administrator level centrally. g) There must be skipping option behind where needed and mandatory fill up features at each level. h) Inter-question validation must be ensured and added question panel for adding set of questions i) The Applications must have the access control and protected by user name and password. j) The questions must be displayed on the screen one by one with sweeping navigation features. k) The Smart backend should be Web/mobile Applications (up to date version) for managing, monitoring and decision-making for survey data. l) The data collection panel should show the progress of filling up the questionnaire while data collection. m) The application must be able to collect around 2,400,000 household data from Disaster Prone areas of Bangladesh or as per the requirement by the Procuring Entity. Each questionnaire will comprise of minimum 40-50 questions. n) The questionnaire will be shown by modules in the application. o) Intelligent dashboard for different level of users with some graphical and different features of smart analysis. p) All the fully collected data will be stored in mobile and after confirmation send to server and the dasboard of the Tablet PC/Smart Phone should be cleared. q) Should support diverse household questions types like image, short/ long text, Geo-location (GPS enabled with latitude/longitude), numerical, multiple choice including provisions for mandatory or general to ensure user position. r) There should be an option to synchronize data with the server-based web application on the availability of the internet connectivity. s) GPS location collection and send to the server. <b>3. Administrative Features and Dashboard:</b> a) The Administrator can check the data sent to server by users, can control, create, edit or delete users of the application and their access, can generate and view data collection report etc. b) Supervising and monitoring level users should be incorporated to oversee the submitted data within their jurisdiction. <b>4. Compatibility:</b> The application must be compatible with one central SQL server on oracle database. <b>5. Type of Data:</b> The application must be able to collect multiple type of data. Like: Single choice; Multiple choice; Geo Location; Image; Normal Text; Live Date and time etc. <b>6. Qualifications &amp; Experience:</b> a. Must have significant knowledge about electronic data collection system development for covering the 64 districts of Bangladesh. b. Must have minimum 06 (Six) years' sound experiences in database integrated web-based applications development and management in the local context. c. Must have a proven experience to deliver at least 03 (three) similar statistical survey data collection with system development. d. Must be experience of successful implementation of the system to rollout at least 02 (two) nation-wide project with Bangladesh Government. e. Must have an experience of developing minimum 05 (five) mobile android apps in apps store including Government Departments. f. The service provider should have a familiar with large quantity optimal data storage and retrieval procedures; g. Must have a pool of domain experts capable in design and develop a secure and standardize system as well as data back and access security control management. h. Required to submit completion certificate for similar completing works of similar nature successfully. i. Should have valid legal entity (registration from respective government authority, Trade License, VAT and TIN Registration and others) for working in Bangladesh. j. Must be a Member of Bangladesh Association of Software and Information Services (BASIS). k. Must have Audit report for the last five years. <b>7. Handset Compatibility:</b> The Applications must be compatible with Updated version Android of Mobile Handset Device and Web browser. <b>8. Screen Resolution:</b> The Applications must able to fit for any screen size of Tablet PC and Mobile handset device that is support by Android and Web Applications. <b>9. Unicode Support:</b> The Application must have Unicode Bangla language support. <b>10. Online Synchronization:</b> The Web and Mobile apps must have the ability to synchronize with particular online server and upload data when it will connect with the internet. <b>11. Manuals:</b> Provide User manual, Operation manuals and Administrative manuals (Technical manual with related diagrams and design documents). <b>12. Warranty:</b> Application provider company will provide the technical support during the project running time. <b>13. Training on the Applications:</b> The developer must provide technically sound having trouble shooting capacity master trainer to provide hands (CAPI: Computer Assisted Personal Interviewing) on 03 days training on the Web and Mobile Applications for BBS Officials at the Dhaka Headquarters (contains about 90 BBS Officials) and 64 District training Centre (each training center contains about 50 enumerators/data collectors and supervisors) as well as provide documentations and tutorials.	
12.	Name of the official inviting EOI	Md. Rafiqul Islam
13.	Designation of the official inviting EOI	Project Director
14.	Address of Official Inviting EOI	Project Director, Strengthening Environment, Climate Change and Disaster Statistics (ECDS) Project, Parishankhyan Bhaban (Block-A, 5 <sup>th</sup> floor), E-27/A, Agargaon, Dhaka-1207
15.	Contact of the official inviting EOI	Phone: 01550041296; Email: <a href="mailto:rafiqbbs25@gmail.com">rafiqbbs25@gmail.com</a>
16.	Information is available at	website: <a href="http://www.bbs.gov.bd">www.bbs.gov.bd</a> and <a href="http://www.sid.gov.bd">www.sid.gov.bd</a>

Interested firms are invited to submit their EOI according to the Government prescribed format indicating that they are qualified to perform the services, details of experiences and required qualifications stated above.

The Entity reserves the right to accept or reject any or all EOIs.

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