Government of the People's Republic of Bangladesh
Legislative and Parliamentary Affairs Division
Ministry of Law, Justice and Parliamentary Affairs
24/D, Topkhana Road, Segunbagicha, Dhaka.

Memo No. 55.00.0000.120.14.056.24.319   Date: 15/05/2024

Request for Expression of Interest (EOI) for Selection of Consulting Firm

1. Ministry/Division	:	Legislative and Parliamentary Affairs Division
2. Agency	:	Legislative and Parliamentary Affairs Division
3. Procuring Entity Name	:	Strengthening Legislative Capacity and Legal Awareness Building Project
4. Procuring Entity District	:	Dhaka
5. Expression of Interest for Selection of	:	Consulting Firm (National) for *Development and maintenance of Laws of Bangladesh website*
6. Title of service	:	Consultancy services for *Development and maintenance of Laws of Bangladesh website*
7. EOI Ref. No.	:	55.00.0000.120.14.056.24.319
8. Date	:	15/05/2024
9. KEY INFORMATION		
Procurement Sub-Method	:	Quality and Cost Based Selection (QCBS)
10. FUNDING INFORMATION		
Budget and Source of Funds	:	GoB (Development)
Development partners	:	N/A
11. PARTICULAR INFORMATION		
Project Code	:	224359600
Project Name	:	Strengthening Legislative Capacity and Legal Awareness Building Project
EOI Closing Date and Time	:	06/06/2024, 12:00 PM
12. NFORMATION FOR APPLICANT		
Brief Description of the Assignment	:	Strengthening Legislative Capacity and Legal Awareness Building Project is looking for qualified Consulting Firm's Services to develop and maintenance of Laws of Bangladesh website. Details of the assignment are shown in the ToR (to be supplied by the Project Office).
Experience, Resources and Delivery Capacity Required	:	The Project invites eligible consulting firms to indicate their interest in providing the Services. Interested Consulting firms should provide information demonstrating that they have the required qualifications and relevant experience to perform the Service. The short listing criteria are: (a) Trade license/Registration of the firm; (b) life time/duration of the firm (years in relevant business); (c) Availability of key professionals; (d) Financial resources of the firm (turnover of last five years); (e) Experience of the firm in similar tasks/assignment (examples of past experience-similar nature and/or complexity including cost and duration of the assignment); (g) Support services of the firm (office space, support staff, equipment).
Other Detail (if applicable)	:	EOI should be submitted in enclosed envelope with one original and one copy.
Association with foreign firms is	:	N/A

13. EoI Detail Information:

Ref No	Phasing Of Service	Location	Indicative Start Date	Indicative Completion Date
	Website development phase	Dhaka	01/08/2024	28/02/2025
	Maintenance phase	Dhaka	3 (three) years	

14. PROCURING ENTITY DETAILS

Name of Official Inviting EOI	:	Dr. Mohammad Mohiuddin (Joint Secretary)
Designation of Official Inviting EOI	:	Project Director
Address of Official Inviting EOI	:	Strengthening Legislative capacity and Legal Awareness Building Project Legislative and Parliamentary Affairs Division Ministry of Law, Justice and Parliamentary Affairs (1) Room No: 622, Building No: o4, Bangladesh Secretariat, Dhaka-1000 (2) 24/D, Topkhana Road, Segunbagicha, Dhaka.
Contact Details of Official Inviting EOI	:	Room No: 622, Building No: o4 Bangladesh Secretariat, Dhaka-1000 Telephone: 02223390653, 02226639002

The procuring entity reserves the right to accept or reject all EOIs without assigning any reason.

15/05/2024

Dr. Mohammad Mohiuddin
Project Director (Joint Secretary)
Telephone: 02223390653, 02226639002

**আইন প্রণয়নের সক্ষমতা বৃদ্ধি এবং আইন বিষয়ে
জনসচেতনতা সৃষ্টি প্রকল্প
লেজিসলেটিভ ও সংসদ বিষয়ক বিভাগ**

**মূল আইন ওয়েবসাইটে প্রদান, সংরক্ষণ ও ব্যবস্থাপনার লক্ষ্যে (Laws of Bangladesh শীর্ষক ওয়েবসাইট স্থাপন)
নিয়োগতব্য কনসাল্টিং ফার্ম এর কার্যপরিধি**

১। পটভূমি:-

Bangladesh Laws (Revision and Declaration) Act, 1973 এর ধারা ৬ক তে প্রদত্ত ক্ষমতাবলে লেজিসলেটিভ ও সংসদ বিষয়ক বিভাগ, আইসিটি সেল এর তত্ত্বাবধানে সর্বসাধারণের নিকট সহজলভ্য করার নিমিত্ত ল'জ অব বাংলাদেশ (bdlaws.minlaw.gov.bd) ওয়েবসাইটটি তৈরী করা হয়েছে। উক্ত ওয়েবসাইটটি বাংলাদেশের প্রচলিত ১৭৯৯ সন হতে অদ্যাবধি সকল আইনের একটা বিশাল online ভান্ডার। যার মাধ্যমে একজন ব্যবহারকারী তার চাহিদামত সর্বশেষ প্রকাশিত আইন ও অধ্যাদেশ এবং উহার সফটকপি ডাউনলোডসহ প্রয়োজনে প্রিন্ট করতে পারবেন। ইহা নিয়মিতভাবে হালনাগাদ করা হয়।

বর্তমানে উক্ত ওয়েবসাইটের দৈনিক হীট সংখ্যা প্রায় ১,২০,০০০ থেকে ১,৪০,০০০, যা ভবিষ্যতে আরও বাড়বে। উক্ত হীট সংখ্যা বিবেচনায় সার্ভার স্পেস বৃদ্ধি করা হলেও software টি Coding frame work পুরাতন হওয়ায় Website Access অধিকতর ধীরগতি সম্পন্ন হচ্ছে। ইতোপূর্বে তৈরি Website টির Security feature এর up gradation জরুরী। এমতাবস্থায়, Website টি আরো Instructive ও user friendly করার পাশাপাশি security feature জোরদার করে নুতন ওয়েব সাইট পুনঃস্থাপনের নিমিত্ত প্রকল্প কর্তৃক কনসাল্টিং ফার্ম নিয়োগের উদ্যোগ গ্রহণ করা হয়েছে।

২। ফার্ম নিয়োগের উদ্দেশ্য:

Laws of Bangladesh শীর্ষক ওয়েবসাইট স্থাপন, সহজে ব্যবহারযোগ্য ও সর্বোচ্চ নিরাপত্তা সম্বলিত সকল আইনের ওয়েব এ্যাপ্লিকেশন (ওয়েব এবং মোবাইল বেইজড) যা অবশ্যই Scalable, Flexible, Interoperable বৈশিষ্ট নিশ্চিতের পাশাপাশি Bangladesh National Architecture (BNEA) এর সকল শর্তাবলী আরোপিত হবে। তৈরীকৃত ওয়েব এ্যাপ্লিকেশনটিকে সর্বোচ্চ User Friendly করার পাশাপাশি বাংলাদেশ কম্পিউটার কাউন্সিল (বিসিসি) কর্তৃক সকল টেস্টিংয়ে উত্তীর্ণ হতে হবে।

৩। কর্মপরিধি:

কনসাল্টিং ফার্ম এর কর্মপরিধি হবে নিম্নরূপ, যথা:-

- পূর্বের সকল আইনগুলোকে নতুন ভার্সনে মাইগ্রেট করে ওয়েব বেইজড Laws of Bangladesh এ্যাপ্লিকেশন তৈরী, যা অবশ্যই Bilingual (Unicode বেইজড বাংলা ও ইংরেজি সাপোর্টেড) হতে হবে;
- ওয়েব এ্যাপ্লিকেশনটি Android এবং iOS বেইজড হতে হবে;
- ডেভলপমেন্ট CMS টি অবশ্যই নিম্নবর্ণিত Standard web vulnerabilities protected হতে হবে; যথা:-

  ➢ SQL Injection
  ➢ Cross Site Request Forgery (CRSF)
  ➢ Cross Site Scripting (XSS)
  ➢ Session hi-jacking
  ➢ Session Fixation
  ➢ Input Validation/Filtering

1

- Output Escaping
- Code Injection
- Secure File Access
- Security issues including bug, virus attacks, RFI attacks and hacking problem instantly as it is found /appear
- Other related features

- প্রত্যেক ইউজার (এ্যাডমিন ইউজার ও জেনারেল ইউজার) এর জন্য পৃথক প্লাটফর্ম প্রস্তুত করতে হবে;
- প্রত্যেক ইউজারের লগ ফাইল তৈরি করতে হবে;
- নিম্নলিখিত Entry Form থাকতে হবে, যথা:-

  - Volume Entry (bd code volume)
  - Act Role & Preamble Entry
  - Chapter Entry
  - Part Entry
  - Sections Entry
  - Subsection Entry
  - Clause Entry
  - Sub-clause Entry
  - Schedule one or more than one schedule
  - Bengali year and number
  - Foot numbers
  - And other related features.

- প্রত্যেকটি আইন ইংরেজি বা বাংলা (অথেনটিক টেক্সট) পিডিএফ ফর্মে প্রদর্শন এবং ডাউনলোড অপশন;
- Chronological Index;
- যে কোনো আইন এন্ট্রির সময় Section, Subsection, clause, sub-clause এর Alignment;
- ফুট নোটের ক্ষেত্রে Auto increment অপশন;
- নিম্নবর্ণিত Role-based Access Control Mechanism থাকতে হবে।

Roles	Tasks				
	Manage Users	Manage Permission	Entry Form / Others		
			Add	Edit	Delete
Administrator	Yes	Yes	Yes	Yes	Yes
Local User	No	No	If allowed	If allowed	If allowed

- পর্যায়ক্রমে ডাটাবেজ ব্যাকআপ অপশন রাখতে হবে;
- ব্যবহারকারীরা আইনগুলোকে সবচেয়ে উল্লেখযোগ্য উপায়ে, যেমন- pdf, word, excel-এ রূপান্তর করতে সক্ষম হতে হবে;

2

- Offline এন্ট্রি সিস্টেম থাকতে হবে;
- ইংরেজি হতে বাংলা এবং বাংলা হতে ইংরেজি Dictionary অপশন রাখতে হবে;
- দৈনিক, সাপ্তাহিক, মাসিক হিট সংখ্যা নির্ণয়ে Dash board প্রস্তুত;
- শক্তিশালী সার্চ ইঞ্জিন (Free text, Short title, Act no, Act year, Part, Chapter and Section) প্রস্তুত;
- Login পেজ এ Captcha অথবা inverse kinematics (IK) অপশন ও password রিকভারি অপশন রাখা;
- Administrative Control Panel প্রবর্তন;
- Secure Socket Layer (SSL) এবং Transport Socket Layer (TSL) থাকা;
- তৈরীকৃত ওয়েব এ্যাপ্লিকেশনটির আউটলুক উইকিপিডিয়ার অনুরূপ যেখানে আইনের অধীন বিধি, প্রবিধি, উপ-আইন, প্রজ্ঞাপন ডকুমেন্ট ইত্যাদির লিংক তৈরী এবং উক্ত লিংকে আপলোডকৃত সংশ্লিষ্ট তথ্যাদি পিডিএফ, জেপিইজি ফরম্যাটে প্রদর্শন ও ডাউনলোড অপশন রাখা;
- আইন প্রিন্ট করার সময় প্রাসঙ্গিক ফুটনোট একই পেজ-এ প্রদর্শনের ব্যবস্থা;
- বাংলাদেশ কোডের ৪৭ টি ভলিউম পিডিএফ ফরম্যাটে BD Laws ওয়েব সাইটে ভলিউম আকারে, কালানুক্রমিক ও বর্ণানুক্রমিক অনুসারে প্রকাশ করা করা;
- সকল মূল আইন bdcode এর অনুরূপ পিডিএফ ফরম্যাটে কনভার্টের সুবিধা (odd/even সিস্টেমে) রাখা;
- বিডি ল'জ থেকে আইনসমূহ বাংলাদেশ কোডের ভলিউম আকারে প্রিন্টের ব্যবস্থা রাখা;
- Android and iOS based mobile Apps তৈরী;
- Voice Bot এর মাধ্যমে আইন সার্চ অর্থাৎ Speech to Text/ Text to speech searching option রাখা;
- বিডি ল'জ এর সাথে বাংলাদেশ কোড (বিডি কোড) incorporate করা।

৪. টেকনিক্যাল স্পেসিফিকেশন:

- Development platform টি হবে cost-effective, secured, reliable এবং reusable (Red Hat Linux Enterprise Edition, Windows for desktop and Android, iOS for mobile app) ;
- Large language Model এর ব্যবহার;
- PHP, Java, .NET, Oracle Apex, python অথবা এ বিভাগ কর্তৃক অনুমোদিত যে কোনো Suitable Programming language;
- ডাটাবেজ (MySQL, Oracle, MSSQL, DB2, etc);
- Single Page Application (SPA)
- The system processing shall be scalable to support the volume estimates for a period of 12 years or more 20% annual growth rate of online user and Acts.
- The system should be able to handle a load of at least 300000 concurrent users.
- The database architecture should be such that the system is available to user 24x7x365 days a year without any unapproved downtime.
- Page load time, login response-time, on-click load time for the web application should be less than 3 seconds while this is accessed over the intranet.

৫. কনসালটেন্সির মেয়াদ:

কনসালটেন্সির মেয়াদ হবে ৭ (সাত) মাস। ডেভলপার ফার্মকে অবশ্যই ৩৬ মাসের সার্ভিস এবং মেইনটেন্যান্স ওয়ারেন্টি প্রদান করিতে হইবে।

Consultants Qualification

1. Must submit valid business documents.

2. Must have experience in design, development, and implementation of 10 (ten) large scale software projects in the field of web or desktop-based application software/e-government application. Among the projects, at least 03 (three) project must be in digitalization/automation of government service/function where all the design, development, implementation, and maintenance support services were provided (covers SDLC full cycle). where at least 02 (two) contract value should be 03 (three) Crore (individual) in a single contract over a period of the last 05 years. (Proposer/Firm has to submit evidences for this with the proposal, like screen shot, online URL or any other).

3. Must have valid technology partnership certificate such as Google, AWS, Microsoft, Oracle and more.

4. Should have a portfolio of successful projects with website link brochure and other valid documents that demonstrate their ability to deliver high-quality software solutions. They might showcase case studies, client testimonials, and projects completion certificate.

5. Must have Robust testing and quality assurance processes ensure that the software produced is reliable, secure, and free from major defects.

6. Firm should demonstrate its logical capability (well-equipped office space at Dhaka with necessary facilities).

7. The Proposer/Firm which has experience on similar task will get preference.

8. List (Name, designation, years of experience, number of projects, expertise) of IT personals who can be engaged to perform the assigned task. However, for proper execution of the project the consultant shall include at least the following HR positions as minimum project team requirements and the minimum required qualification, experience of professional staff are as follows:

Role (For application development)	Qualification	No. of persons
Project Manager/ Team Leader	B.Sc. & M.Sc in CS/CE/CSE/IT or equivalent. Minimum 10 (Ten) years of experience as Project Manager. Minimum 05 (Five) IT/ITES software project management (Design, Development and Implementation) experience. Among the projects at least 03 (Three) must be enterprise/e-Government solution. PMP/Prince2 certificate holder will get preference.	1
Software Architect/ System Analyst	B.Sc in CS/CE/CSE/IT or equivalent. Minimum 08 (Eight) years of experience as Software Architect/ System Analyst. At least 03 (Three) enterprise/e-Government	1

	IT/ITES software project solution experience in the field of system analysis and design or software architect.	
Database Administrator (DBA)	B.Sc in CS/CE/CSE/IT or equivalent. Minimum 07 (Seven) years of experience as a Database Administrator. Experience with cloud database services like Amazon RDS, Azure SQL Database, or Google Cloud SQL can be advantageous. Database administration or database management certificate holder will get preference.	1
Developer Programmer	B.Sc in CS/CE/CSE/IT or equivalent. Minimum 06 (Six) years of experience as Developer/Programmer. Minimum 05 (Five) IT/ITES software project experience in the field of programming/scripting as a core development team. Proficiency in Common languages include Python, Java, C++, JavaScript, C#, Ruby, Swift, and deep knowledge in web app development language like swift (iOS), kotlin (Android), java (Android).	1
AI & Deep Learning Expert	B.Sc in CS/CE/CSE/IT or equivalent. Minimum 05 (Five) years of experience as a Developer/Programmer and 02 (Two) years of experience on AI, ML, Deep Learning project. Understanding techniques such as word embeddings (e.g., Word2Vec, GloVe), language models (e.g., BERT, GPT) and convolutional neural networks (CNNs) is essential.	1
SQA/QC Expert	B.Sc in CS/CE/CSE/IT or equivalent. Minimum 05 (Five) years of experience as SQA/Test Engineer. Minimum 03 (Three) IT/ITES software project experience in the field of software quality assurance. Familiarity with various testing techniques and strategies, including black-box testing, white-box testing, gray-box testing and Proficiency in using testing tools and frameworks such as Selenium, JUnit, TestNG, JIRA, or other industry-specific tools	1
App. Developer/Ass. Programmer	B.Sc in CS/CE/CSE/IT or equivalent. Minimum 05 (Five) years of experience as a App. Developer/Asst. Programmer. Minimum 03 (Three) IT/ITES software project experience in the field of programming/scripting as a core development team. Proficiency in Common languages include Python, Java, C++, JavaScript, C#, Ruby, Swift, and deep knowledge in web app development language like swift (iOS), kotlin (Android), java (Android) and related frameworks like React, Angular, or Vue.js) is crucial.	2

Role	Qualification	No. of persons
UI/UX Designer	Bachelor degree in any discipline. Minimum 03 (Three) years of experience as a UI/UX Designer. Minimum 03 (Three) IT/ITES software project experience in the field of interface design. Must have certification on graphics design courses or relevant field. Proficiency in design tools such as Adobe Creative Suite (e.g., Photoshop, Illustrator, XD), Figma, Sketch, or other UI/UX design software also creating wireframes, prototypes, and mockups that effectively communicate design ideas.	1
Technical Document Expert	B.Sc in computer science/computer engineering or equivalent. Minimum 03 (Three) years of experience as a Technical Document Expert. Minimum 03 (Three) IT/ITES software project experience in the field of technical documentation.	1
Grand TOTAL		10

Role (For Maintenance Service & Support)	Qualification	No. of persons
Software Maintenance & Support Engineer	B.Sc in CS/CE/CSE/IT or equivalent. Minimum 06 (Six) years of experience as Developer/Programmer. Minimum 05 (Five) IT/ITES software project experience in the field of programming/ scripting as a core development team. should also have a solid understanding of data structures, algorithms, software architecture, and design patterns.	1
App. Developer/ Asst.Programmer (On Demand)	B.Sc in CS/CE/CSE/IT or equivalent. Minimum 03 (Three) years of experience as App. Developer/Asst. Programmer.	1
Grand TOTAL		2

৬. **কার্যক্রমের সময়সূচী**: কনসাল্টিং ফার্ম নিম্নোক্ত ধাপে উল্লিখিত সময়সূচী অনুযায়ী তাদের কার্যক্রম সম্পন্ন করবে, যথা :-

(a) Development Phase:

SN	Activity	Time
1	Project inception report with project management plan/work plan	Within 15 days of contract signing

2	Conduct background scoping and finalizing the detailed System Requirement Specification (SRS)	Within 45 days of contract signing
3	Software design document (HLD and LLD as SDD)	Within 60 days of contract signing
4	Software Development as per requirements stated in ToR and agreed SRS, HLD, LLD of the project	Within 5 months of contract signing
5	a. User level feedback collection and incorporation with testing, debugging & update etc b. Delivery of UAT and 2nd level feedback collection & incorporation	Within 5.5 months of contract signing
7	Testing acceptance report based on UAT & CERT by BCC based on the detailed required documentswith installation & deployment after finalizing the tested solution	Within 6 months of contract signing
9	Knowledge transfer through workshop/training	Within 6.5 months of contract signing
10	Delivery of the final version of the system along with all required documentation including softcopy and hard copy of source code, database, required credentials, user manual & all technical documentations with detailed final SRS version	Within 7 months of contract signing
11	Five (05) months online assistance	After deployment

(b) **Maintenance Phase:**

✓ Maintenance Phase will be started after successfully completion of development phase which must be duely accepted by client or technical team of LPAD.

✓ Initially the maintenance and support period will be for 01 (one) year but it may be extended up to a maximum 03 (three) years subject to extension of project duration.

✓ Payment will be made 04 (four) times (Quarterly) in year after successfully completion of task that duely accepted by the technical team /client.

✓ The vendor is responsible for hosting the software in the recommended cloud service packages of the National Data Center (NDC) with maintaining the Try Party Frame Agreement, after the software has successfully completed all the tests by the Computer Emergency Response Team (CERT) of Bangladesh Computer Council (BCC) till contract period.

✓ Vendor shall be responsible for any changes as per Client's requirements including version changes, security feature updates, for the duration of the contract.

✓ Any other matter related to maintenance and support of BD laws website.

৬. Payment সিডিউল:

(a) Development Phase

ক্র:নং	কাজের ধাপ অনুযায়ী পেমেন্ট	পেমেন্টের হার:
1.	After submission of Software Requirement Specification including information requirement analysis and design. (After successful completion of the task and duely accepted by the client)	10%
2.	Software design document (HLD and LLD as SDD (After successful completion of the task and duely accepted by the client)	10%
3.	After Development of Software as per technical requirements stated in the ToR and agreed HLD, SRS, LLD of the project. (After successful completion of the task and duely accepted by the client)	25%
4.	User Acceptance Testing and Security testing performed by BCC along with Testing Acceptance report based on UAT and BCC feedback. Finally, Installation and Deployment after finalizing the tested solution. (After successful completion of the task and duely accepted by the client)	15%
5.	Delivery of the final version of the system along with all required documentation including source code, database, required credentials, training manual, user manual & all technical documentations with detailed final SRS version along with Knowledge transfer through workshop/training. (After successful completion of the task and duely accepted by the client)	20%
6.	Five (05) months online assistance after deployment. (After successful completion of the task and duely accepted by the client)	20%

(b) Maintenace phase:

✓ Payment will be made 04 (four) times (Quarterly) in a year after successfully completion of task that duely accepted by the technical team of the client.

✓ Initially the maintenance and support period will be for 01 (one) year but it may be extended up to a maximum 03 (three) years subject to extension of project duration.

*উক্ত কার্যপরিধি প্রয়োজন অনুসারে বিধি মোতাবেক পরিবর্তন, পরিবর্ধন ও সংশোধন করা যাবে।

N.B If the vendor either fail at any stage of development of sotware or maintenance services as per the contract document then vendor will be charged for liquidity damages as per PPA and PPR.