



**GOVERNMENT OF THE PEOPLE'S REPUBLIC OF BANGLADESH**  
**Local Government Engineering Department**  
The Construction of Important Bridges on Rural Roads (Phase-II) project  
**LGED-RDEC Bhaban, Agargaon,**  
**Sher-e-Bangla Nagar, Dhaka-1207**  
**[www.lged.gov.bd](http://www.lged.gov.bd)**

**Request for Application (RFA)**  
**Selection of Individual Consultant (National)**  
**For Consultant**

**Package No: CIB2-S-02 & CIB-S-03**  
**Name of Service: Design Engineer**

**(Time Based)**

**Local Government Engineering Department**  
**The Construction of Important Bridges on Rural Roads (Phase-II)**  
**project**  
**LGED-RDEC Bhaban, Agargaon**  
**Guidance Notes on the Use of**  
**the Standard Request for Application for Selection**  
**of Individual Consultants (National)**

These guidance notes have been prepared by the CPTU to assist a client in the preparation, using the Standard Request for Application (SRFA), for procurement of Individual Consultants (National). The Client should also refer to the Public Procurement Act 2006 (Act No 24 of 2006), and the Public Procurement Rules 2008, issued to supplement the Act available on CPTU's website: [www.cptu.gov.bd/](http://www.cptu.gov.bd/). All concerned are advised to refer to the aforementioned Act and Rules while participating in any selection process of consultants.

Individual Consultants shall be employed in accordance with Section 38 of the Public Procurement Act 2006 and Rule 112 & Rule 104(d) of the Public Procurement Rule 2008 for assignments for which the qualifications and experience of the individual are the overriding requirements and no team of staff and no additional professional support are required.

This document shall be used when a Procuring Entity (the Client) wishes to select an Individual Consultant (National) for **assignments for which the qualifications and experience of the individual are the overriding requirement**, for which remuneration is being determined on the basis of the time actually spent by the Consultant in carrying out the services.

Time-based Contracts are recommended when the Scope of the Services cannot be established with sufficient precision, or the duration and quantity of Services depends on variables that are beyond the control of the Consultant, or the output required of the consultants is difficult to assess.

Consultant's remuneration is based on (i) agreed unit rates for the Consultant multiplied by the actual time spent by him/her in executing the assignment, and (ii) reimbursable expenses using actual expenses and/or agreed unit prices. This type of Contract requires the Client to closely supervise consultants and to be involved in the daily execution of the assignment.

SRFA (PS4) has been designed to suit the particular needs of procurement within Bangladesh, and has four (4) Sections, of which **Section 1: Information to the Applicants and the Contract Agreement in Section 4 must not be altered or modified under any circumstances.**

The Client addresses its specific needs through the **Section 2: Terms of Reference (TOR)**. The way in which an Applicant expresses his/her interest is by completion and submission of the Application Forms in **Section 3**.

Guidance notes in brackets and italics are provided for both the Client and the Applicants and as such the Client should carefully decide what notes need to remain and what other guidance notes might be required to assist the Applicant in preparing its application submission; so as to minimize the inept Selection process.

SRFA (PS4), when properly completed will provide all the information that an Individual Consultant (National) needs in order to prepare and submit an application. This should provide a sound basis on which the Client can fairly, transparently and accurately carry out an evaluation process on the application submitted by the Individual Consultant.

SRFA(PS4) duly tailored may also be used for the purpose of Single Source Selection Method. The following briefly describes the Section of SRFA (PS4) and how a Client should use these when preparing a particular request for Applications.

### **Section 1: Information to the Applicants**

This Section provides relevant information to help Consultants prepare their Applications. Information is also provided for submission, opening, and evaluation of Applications and on the award of Contract.

This Section also contains the criteria for selection of suitable Applicant  
**The text of the clauses in this section shall not be modified.**

### **Section 2. Terms of Reference**

This section defines clearly the Objectives, Goals, and Scope of the assignment, and provides background information (including a list of existing relevant studies and basic data) to enable the Individual Consultant to clearly understand the assignment. This section lists the Services and surveys that may be necessary to carry out the assignment and the expected outputs (for example, reports, data, maps, surveys); it also clearly defines the Client's and Consultants' respective responsibilities.

### **Section 3. Application Forms**

This section provides the standard format that permits the requested information to be presented in a clear, precise and readily available manner and allows the Client to readily understand and evaluate Applications in accordance with the pre-disclosed criteria. The completed forms will indicate details of the Applicant's qualifications and experience best suited to the specific assignment.

### **Section 4. Contract Agreement Forms**

The Form of Contract Agreement which, once completed and signed by the Client and the Consultant clearly defines the Client's and Consultants' respective responsibilities. The Annexes to the formal Contract include a Description of the Services, the Reporting Schedule and **Cost estimates** of Services.

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# Section 1. Information to the Applicants

## A. General

1. Scope of assignment
  - 1.1 The Client has been allocated public fund for **Construction of Important Bridges in Rural Roads (2<sup>nd</sup> Phase) Project (CIBRR-2)** and intends to select an Individual Consultant for the specific assignment as specified in the Terms of Reference in Section 2.
2. Qualifications of the Applicant
  - 2.1 Prospective Individuals shall demonstrate in their Applications that they meet the required qualifications and experiences and are fully capable of carrying out the assignment.
  - 2.2 The capability of Individuals shall be judged on the basis of academic background, experience in the field of assignment, and as appropriate, knowledge of the local conditions, as well as language and culture.  
***[ Minimum educational qualifications, required experience have been mentioned in Terms of reference in Section 2 ]***
3. Eligible Applicants
  - 3.1 Any Bangladeshi national including persons in the service of the Republic or the local authority / Corporations is eligible to apply for the positions
  - 3.2 Government officials and civil servants including individuals from autonomous bodies or corporations while on leave of absence without pay are not being hired by the agency they were working for immediately before going on leave and, their employment will not give rise to Conflict of Interest, pursuant to Rule 112 (9) of the Public Procurement rules, 2008
  - 3.3 Persons who are already in employment in the services of the Republic or the local authorities/ Corporation etc. must have written certification from their employer confirming that they are on leave without pay from their official position and allowed to work full-time outside of their previous official position. Such certification shall be provided to the Client by the Consultant as part of his/her Applications
  - 3.4 No person who has been convicted by any Court of Law or dismissed from Services for misconduct shall be eligible for consideration for appointment to a post.
  - 3.5 The Applicant has the legal capacity to enter into the Contract
  - 3.6 The Applicant has fulfilled its obligations to pay taxes and social security contributions under the relevant national laws.
  - 3.7 The Applicant shall not be under a declaration of ineligibility for corrupt, fraudulent, collusive or coercive practices in accordance with Sub-Clause 4.2.

- 3.8 The Applicant shall not have conflict of interest pursuant to the Clause 5
4. Corrupt, Fraudulent, Collusive or Coercive Practices
- 4.1 The Government requires that Client , as well as Applicants, shall observe the highest standard of ethics during the implementation of procurement proceedings and the execution of Contracts under public funds.
- 4.2 The Government defines corrupt, fraudulent, collusive or coercive practices, for the purposes of this provision, in the **Contract Agreement Sub-Clause 3.4**
- 4.3 Should any corrupt, fraudulent, collusive or coercive practice of any kind come to the knowledge of the Client, it shall, in the first place, allow the Applicant to provide an explanation and shall, take actions only when a satisfactory explanation is not received.
- 4.4 If the Client at any time determines that the Applicant has, directly or through an agent, engaged in corrupt, fraudulent, collusive or coercive practices in competing for, or in executing, a Contract under public funds., the Client shall:
- (a) exclude the Applicant from participation in the procurement proceedings concerned or reject an Application for award; and
  - (b) declare the Applicant ineligible, either indefinitely or for a stated period of time, from participation in procurement proceedings under public funds.
5. Conflict of Interest
- 5.1 Government policy requires that the Applicant provide professional, objective, and impartial advice, and at all times hold the Executing Agency's (Client's) interests paramount, without any consideration for future work, and strictly avoid conflicts with other assignments or their own corporate interests.
- 5.2 The Applicant shall not be hired for any assignment that would be in conflict with their prior or current obligations or that may place them in a position of not being able to carry out the assignment in the best interest of the Client.
- 5.3 Pursuant to Rule 55 of the Public Procurement Rule 2008, the Applicant has an obligation to disclose any situation of actual or potential conflict of interest that impacts on his capacity to serve the best interest of his Client, or that may reasonably be perceived as having this effect. Failure to disclose said situations may lead to the disqualification of the Applicant or the termination of its Contract.
- 5.4 The Applicant that has a business or family relationship with a member of the Client's staff may not be awarded a Contract, unless the conflict stemming from this relationship has been addressed adequately throughout the selection process and the execution of the Contract.

## B. Preparation, Submission & Modification or Substitution of Applications

6. Preparation of Application
- 6.1 Applications shall be typed or written in indelible ink in **English language** and shall be signed by the Applicant. Applicants are required to complete the following Forms:
- (a) Form 3A: Application Submission Form;
  - (b) Form 3B: CV of the Applicant; and
  - (c) Form 3C: Remuneration and Reimbursable
- 6.2 The Remuneration and reimbursable are **purely indicative** and are subject to negotiations and agreement with the Client prior to finalisation of the Contract.
7. Submission of Application
- 7.1 Pursuant to Rule-113(5) of the Public Procurement Rules, prospective Applicants can deliver their application by hand, mail, courier service to the address mentioned in the request for Application advertisement.
- 7.2 Application shall be properly sealed in envelopes addressed to the Client as mentioned in the request for Application advertisement and bear the name & address of the Applicant as well as the name of the assignment.
- 7.3 In case of hand delivery, the Client, on request, shall provide the Applicant with a receipt.
- 7.4 The closing date for submission of Application is **23/01/2023** up to **3.00pm** Applications must be submitted within this deadline. Any Application received after the deadline for submission of Applications shall be declared late, and returned unopened to the Applicant.
- 7.5 Applications may be modified or substituted before the deadline for submission of Applications.
- 7.6 The Client may at its sole discretion, extend the deadline for submission of Applications.
- 7.7 At any time prior to the deadline for submission of Applications the client for any reason on its own initiative may revise the Request for Application Document by issuing an Addendum which shall form an integral part of the Document.

## C. Evaluation of Applications

8. Evaluation of applications
- 8.1 Suitability of the Applicants shall be rated by evaluation on the basis of their academic background, relevant Working Experience and its adequacy for the assignment, knowledge of local conditions as well as language.
- 8.2 The points to be given under each of the evaluation Criteria are:



<b>Criteria</b>	<b>Points</b>	<b>Remarks</b>
• Educational Qualification	<i>25 points</i>	
• Relevant Working Experience and its adequacy for the assignment	<i>60 points</i>	
• Suitability considering age, skill (such as training, computer skills, proficiency in English and Bengali languages and others).	<i>10 points</i>	
<b>Total points:</b>	<b>95 points</b>	

8.3 Applicants thus given points as stated under Clause 8.2, not securing the minimum qualifying points 70 shall be considered disqualified.

8.4 Applications shall be evaluated by the PEC, who shall prepare a short-list of maximum seven (7) Applicants

8.5 The qualified short-listed Applicants as stated under Clause 8.4 shall be invited for an interview to test their aptitude and presentation by the PEC and shall be rated with five (5) points.

8.6 Points already secured by the Applicants in the evaluation as stated under Clause 8.5, shall be combined with the points obtained in the interview and a list of maximum three (3) most suitable Applicants ranked in order of merit (1-2-3) shall be prepared.

8.7 In pursuant to Rule 114 of the Public Procurement Rules 2008, there shall be no public opening of Applications.

8.8 The Client shall immediately after the deadline for submission of Application convene a meeting of the Proposal Opening Committee(POC)

8.9 The POC, having completed the record of opening, shall send the Applications received and the opening record to the PEC.

8.10 Following the opening of the Applications, and until the Contract is signed, no Applicant shall make any unsolicited communication to the Client. Such an attempt to influence the Client in its decisions on the examination, evaluation, and comparison of either the Applications or Contract award may result in the rejection of the Application.

9. Application Negotiations
- 9.1 The first-ranked Applicant stated under Clause 8.5 shall then be invited for negotiations, pursuant to Rule 122 of the Public Procurement Rule, 2008 at the address of the client.
- 9.2 If this fails, negotiate with the second-ranked Applicant, and if this fails negotiate with the third-ranked Applicant, with the hope that successful negotiations are concluded
- 9.3 During negotiations, the Client and the Applicant shall finalize the “Terms of Reference”, work schedule, logistics and reporting schedule etc. These documents shall then be incorporated into the Contract as Description of Services”
- 9.4 The Financial negotiations will involve the remuneration and other reimbursable cost to be paid to the Applicant.
- 9.5 Negotiations will conclude with a review of the draft Contract. To complete negotiations the Client and the Applicant will initial the agreed Contract

## D. Award of Contract

10. Award of Contract
- 10.1 After completing negotiations and having received the approval to award the contract, the Client shall sign the Contract with the selected Applicant.
11. Debriefing
- 11.1 After signature of the Contract, the Client shall promptly notify other Applicants that they were unsuccessful.
- 11.2 The Client shall promptly respond in writing to any unsuccessful Applicant who request the client in writing to explain on which grounds its application was not selected.
12. Commencement of Services
- 12.1 The applicant is expected to commence the assignment on **March'2023** at the location LGED HQ, **Dhaka**. The duration of the contract shall be **60 (Sixty) Months** from the date of commencement.

# Section 2. Terms of Reference

1

**Government of the People's Republic of Bangladesh**  
**Local Government Engineering Department**  
**The Construction of Important Bridges on Rural Roads (Phase-II) project**  
**Terms of Reference (ToR)**  
**for**  
**Design Engineer**

**Package No: CIB2-S-02**

## 1. Background of the Assignment

The Construction of Important Bridges on Rural Roads (Phase-II) project has been prepared to improve the rural transport and trading networks in line with the strategy improvement of rural connectivity as well as socio-economic conditions of the rural people. Due to construction of the small and medium bridges in rural roads, subsequently uninterrupted accessibility demand has increased to construct the large bridges in the existing gap in comparatively in large rivers. In the last couple of years, the honorable local representatives have demanded to construct significant number of bridges. As a result, after completion of feasibility study of bridges over the third and fourth category of river included in this project. These bridges will be ensured the marketing facility of agricultural and industrial products reduce marketing cost, time and established sustainable development. The project has directly reduced the rural poverty and indirectly improve health facility specially reduced the mother/child mortality rate, increase the enrolment of children in the school and women empowerment. For this reason, the project has been prepared would establish safe communication network by construct the climate resilience infrastructure after completion of the Environmental Impact Assessment (EIA), Hydro-Morphology Study, and Economic Feasibility Study (EFS) to address the risks of disasters related consequences as well as vulnerability of climate change.

This is GoB funded project and a portion of the project fund will be utilized to employ Individual Consultant (Design Engineer) for Detail Engineering Design of PSC or RCC girder bridges (Including Preparation of Structural Design, Cost Estimate, BOQ, Technical Specification, Tender Document, etc.) of bridges in different districts of different Upazila's under CIBRR-2 Project.

## 2. Objective of Consultancy Services

The objective of the consultancy services under the Terms of Reference (ToR) is to prepare and assist the team of consultants and the Local Government Engineering Department (LGED) to Detail Engineering Design, Detailed Cost Estimate, Construct and Supervision of important bridges on rural roads at different location of our country with specified technical standards, quality and time-frame.

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**3. Scope of Work of Design Engineer**

The Design Engineer will work under the guidance of the Design Unit, LGED and the Project Director. He/she will be taken full responsibility for all aspects of Detail Engineering Design. He/she will be responsible and accountable for his/her works to the Project Director and the Superintending Engineer (Bridge Design), LGED and Team Leader cum Senior Bridge Engineer. The responsibilities of the "Design Engineer" would be, but not limited to, the following: -

1. Preparation of Architectural and Detail Structural Design of Bridges with approach road, River training works (if required), Slope protection etc.;
2. Review of all available reports such as Hydro-Morphological Study, Sub-soil Investigation report, Topographic Survey report etc.;
3. Review and check the Architectural and Detail Structural Design of Bridges with approach road submitted by the design consultant firm;
4. Assist to Detail cost Estimate, Bill of Quantities;
5. Assist Preparation of quality assurance plan;
6. Assist to prepare Supervision Methodology for implementation works;
7. Perform any other works assigned by the Design Unit (Bridge Design) and project Director of the Project and Team Leader cum Senior Bridge Engineer of Consultant Team.

**3.1 Preparation of Architectural and Detail Structural Design of Bridges with approach road, River training works (if required), Slope protection etc.;**

**3.1.1 General Requirement**

Services are to be provided by experienced professionals utilizing sound engineering knowledge and practices in large bridge project. The Consultant may utilize engineering, traffic and other data provided by related previous studies and reports but the responsibility for the accuracy of the data and its analysis and for all findings and conclusions shall rest with the Consultants.

**3.1.2 Design Criteria**

Typical issues of design criteria / standards that should require considerations are listed below.

Sl. No.	Issues
1.	AASHTO LRFD, Latest Bridge Design Standard of LGED and BNBC
2.	Width standards, bridge carriageway, foot path (carriageway, paved shoulder, earth shoulder), Bridge super structure geometry as per planning commission latest guideline and direction
3.	Necessary Navigational Clearance with respect to updated river class category on the basis of BIWTA and other study data and direction given by the BIWTA, Prime minister

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Sl. No.	Issues
	direction through planning commission
4.	Hydro-Morphology Feasibility study & BWTA Data
5.	Environmental Impact Assessment (EIA) report
6.	LGED latest Road Design Standard and specifications
7.	Utility services
8.	Slopes and cross-falls
9.	Junction design
10.	Road/Bridge safety
11.	Traffic Diversion Plan
12.	River Training work
13.	Electrification work

### 3.1.3 Architectural Plan and Detailed Engineering Design

- I. Design criteria for the design of bridge and ancillary structures are to be furnished in detail.
- II. Detailed engineering design of the bridge and ancillary structures shall be prepared conforming to AASHTO specifications.
- III. Fixation of length of the structure, Lay out plan, span arrangement and selection of type of the structure:
- IV. Width and length of the bridge, carriage way, vertical and horizontal navigational clearance of the bridge, foundations and substructure should be in conformity with the international design standard and structural requirements.
- V. Due considerations should be given to aesthetics of the structures suited to the ambient environment and minimize the risks of disasters considering multiple hazards in the respective area and climate change consequences in bridge design life.
- VI. Before finalizing the structural design and setting final layout of bridge, the EIA report of Concern Bridge must be considered.
- VII. It is noted that before preparation of final design of all bridges, the consultant must submit the Draft Final design to the design unit of LGED for the purpose of Vetting.
- VIII. After receiving the concurrence of design unit of LGED and if any comments including change of any specifications shall be incorporated in Final design & Drawing.
- IX. In case of approach road alignment and design will be follow more accessible path to avoid the land acquisition, improve future connectivity and better benefit of the community without disturbing the bio-diversity.

- X. Approach road design will be LGED updated gazette Road standard.
- XI. Some structure may be required to design by the co-ordination with the RAJUK, BWDB, RHD, and BIWTA and also with their NOC.
- XII. The calculations made regarding the structural design should be included in the design report and both soft copy and hard copy of drawings handed over to the LGED, PD office for future record of documentations.
- XIII. All drawings should be prepared in A-3 sheets and printed in offset papers with hard cover page and binding etc. completely.

#### 3.1.4 Detailed Engineering Drawings

The design shall yield a comprehensive set of detailed drawings suitable for tendering and actual execution of the project. The drawings shall be conveniently sized for construction site and shall be drawn to suitable scales to provide clarity of comprehension. During the Preparation of Final Engineering Drawing, the aesthetic view of the bridge as well as the landscape of approach road must be considered and the Final Drawing of the bridge would be prepared on the basis of architectural point of view. Following detail structural design shall be submitted.

- Site Plan including proposed best suitable Bridge approaches with ancillary works.
- Bridge layout plan with benchmark references, boring and test pit location (Mention Global GPS Co-ordinate).
- Detail construction guideline and specification and any special design required for substructure or super structure construction.
- General view (Plan and Elevation) with necessary RLs and dimensions.
- Detail foundation and structural design of various parts of the bridge in accordance with hydro-morphological study report and Sub-soil Investigation report using suitable software
- Detail Reinforcement drawings.
- Bar bending schedule.
- Details of all necessary bearings and Joints, protection work and river training work (if required)
- Utilities and any other features, which may be, deem necessary by the designer.
- Detail Electrical drawing of bridge.
- Detail slope protection work (Nature based solutions preferable).
- Road and Bridge Junction details with safety measures.
- Diversion road (if necessary).

### 3.1.5 Setting of bridge layout plan and pile points as well as river training work (if required), global (RTK) GPS coordinate

After completion of detailed design and drawings, final bridge layout shall be checked by the client, design consultant (and representative of design unit if required) jointly. Layout shall be established using global (RTK) GPS coordinate during layout setting in presence of qualified survey expert and other support staff of the consultant and necessary survey equipment shall be ensured by the consultant during the setting of bridge layout plan.

### 3.1.6 Other Relevant tasks

1. Prepare detail structural designs of the selected bridges particularly PSC girder bridges using standard software based on preliminary design upon acceptance of the Design Unit.
2. Assist the Project Director in review the Structural design of bridges, prepare modification design of bridges and or any of their components (if needed) based on the actual site condition and problems encountered during construction.
3. Discuss with Design Unit and concerned Project Director for finalization of the preliminary design of selected bridges including the bridge alignment, length, geometry, hydraulic parameter, foundation type, protective works, approach road etc.
4. Review and provide necessary comments/suggestions (if any) to LGED on the topographical survey and sub-soil investigation reports conducted and submitted by consulting firms.
5. Review hydro-morphological study reports and provide comment/suggestions to LGED (if any) for finalization of hydraulic parameters of the selected bridges by the concerned consultant.
6. Guide the AutoCAD operator to prepare working drawings; ensure preparing all details of critical sections at appropriate scale; print the drawings in A-3 sheets; verify drawings with the structural design; correct dimensions; reinforcement position etc. as necessary and submit it to the Project Director/Design Unit for approval.
7. Assist and guide Estimator to prepare Detail Estimate of all works, Bill of quantities and technical specifications on the basis of LGED current rate schedule.

### 3.2 Review of all available reports

Review of all available study reports such as Hydro-Morphological Study report, Sub-soil Investigation report, Topographic Survey report etc. and suggest PD if any modification required.

## 4. Consultant's reporting obligations and deliverable submission

**Output:** a) Structural Design & Drawing (Detail Load Calculation) of bridge, river training work (if required) and approach road, protection work (if necessary). b) Electrical drawing, safety drawing etc. c) Cost Estimate of bridge, river training work and approach road etc. d) Setting layout plan of Bridge and river training work with RTK GPS coordinate.



**5. Monthly Progress Report:** The consultant shall submit a monthly progress report in brief and concise form using the approved format. The report will describe progress of activities planned for previous month along with plan for the next month. The report shall also state problems encountered, or problems anticipated together with steps taken or recommendations for their correction.

#### **5. Duration of the Assignment**

Duration of the assignment will be 60 (Sixty) months. It is expected to commencement date of consultancy services from February 2023.

#### **6. Required Qualification and Experience**

##### **Educational Qualification**

- Minimum B. Sc in Civil Engineering from any Government accredited University. Master's in structural Engineering and Experience in large Bridge design will be given extra preference.

##### **Experience & adequacy for the assignment**

- 15 (Fifteen) years of overall experiences, out of which 10 (Ten) years relevant experience as a consultant in designing large PSC/RCC girder bridges.

##### **Other Competency**

- Designing skill using Midas Civil will be given extra preference.
- Design expert in more than 100m bridges over river will be more preferable.
- Computer skill (Staad. Pro, Midas Civil, CSI Bridge, MS word, Excel, Power point, AutoCAD etc.),
- Training in relevant areas etc.

#### **7. Institutional arrangements**

The individual Consultant will work directly with the Project Director, Superintendent Engineer (Bridge Design), Design Unit and support the officials and staff of LGED at LGED district and Upazila in the project area, and at PMU LGED Headquarters, in order to achieve the objectives of the project. He/ She will be responsible for managing the team.

#### **8. Logistics and Facilities provided by Client**

LGED will provide office accommodation for the consultant. LGED may also provide necessary support staffs, Computer/Laptop, Printer and necessary consumables. Payments of which may be made from monthly payment as reimbursable item.

##### **8.1 Study Reports, Traffic and Technical Data**

LGED will provide the Consultant with all available data as and when required.


- All relevant studies so far done related to the project;
- Design manuals, standard designs of structures & other infrastructures, PPR-2008, LGED's Unit Rate Analysis and Unit Rates etc.

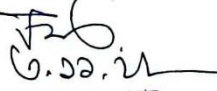


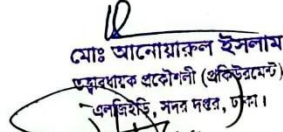
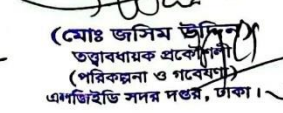
- Topographical survey map & sub-soil investigation report of proposed Bridge.
- Contract documents including design, drawing, price BOQ, technical specification etc.
- Maps of the country and location of the structures;
- Cost data on recent construction projects; and any other report as available in LGED.

#### 9. Working station

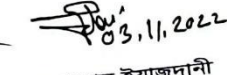
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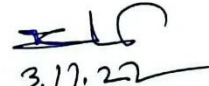
  
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প্রকল্প পরিচালক  
পল্লী সড়কে গুরুত্বপূর্ণ সেতু নির্মাণ  
(২য় পর্যায়) প্রকল্প  
সদর দপ্তর, এলজিইডি, ঢাকা।

  
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প্রকিউরমেন্ট ইউনিট  
এলজিইডি, সদর দপ্তর, ঢাকা।

  
মোঃ আনোয়ারুল ইসলাম  
অতিরিক্ত প্রকৌশলী (প্রকিউরমেন্ট)  
এলজিইডি, সদর দপ্তর, ঢাকা।  
  
(মোঃ জসিম উদ্দিন)  
তত্ত্বাবধায়ক প্রকৌশলী  
(পরিকল্পনা ও গবেষণা)  
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LGED, HQ. Dhaka

  
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মোঃ আব্দুল মালেক সরকার  
অতিরিক্ত প্রধান প্রকৌশলী  
(পল্লী অবকাঠামো উন্নয়ন ও যাবস্থাপনা)  
এলজিইডি, সদর দপ্তর, ঢাকা।

**Government of the People's Republic of Bangladesh**  
**Local Government Engineering Department**  
**The Construction of Important Bridges on Rural Roads (Phase-II) project**  
**Terms of Reference (ToR)**  
**for**  
**Design Engineer**

**Package No: CIB2-S-03**

**1. Background of the Assignment**

The Construction of Important Bridges on Rural Roads (Phase-II) project has been prepared to improve the rural transport and trading networks in line with the strategy improvement of rural connectivity as well as socio-economic conditions of the rural people. Due to construction of the small and medium bridges in rural roads, subsequently uninterrupted accessibility demand has increased to construct the large bridges in the existing gap in comparatively in large rivers. In the last couple of years, the honorable local representatives have demanded to construct significant number of bridges. As a result, after completion of feasibility study of bridges over the third and fourth category of river included in this project. These bridges will be ensured the marketing facility of agricultural and industrial products reduce marketing cost, time and established sustainable development. The project has directly reduced the rural poverty and indirectly improve health facility specially reduced the mother/child mortality rate, increase the enrolment of children in the school and women empowerment. For this reason, the project has been prepared would establish safe communication network by construct the climate resilience infrastructure after completion of the Environmental Impact Assessment (EIA), Hydro-Morphology Study, and Economic Feasibility Study (EFS) to address the risks of disasters related consequences as well as vulnerability of climate change.

This is GoB funded project and a portion of the project fund will be utilized to employ Individual Consultant (Design Engineer) for Detail Engineering Design of PSC or RCC girder bridges (Including Preparation of Structural Design, Cost Estimate, BOQ, Technical Specification, Tender Document, etc.) of bridges in different districts of different Upazila's under CIBRR-2 Project.

**2. Objective of Consultancy Services**

The objective of the consultancy services under the Terms of Reference (ToR) is to prepare and assist the team of consultants and the Local Government Engineering Department (LGED) to Detail Engineering Design, Detailed Cost Estimate, Construct and Supervision of important bridges on rural roads at different location of our country with specified technical standards, quality and time-frame.

**3. Scope of Work of Design Engineer**

The Design Engineer will work under the guidance of the Design Unit, LGED and the Project Director. He/she will be taken full responsibility for all aspects of Detail Engineering Design. He/she will be responsible and accountable for his/her works to the Project Director and the Superintending Engineer (Bridge Design), LGED and Team Leader cum Senior Bridge Engineer. The responsibilities of the "Design Engineer" would be, but not limited to, the following: -

1. Preparation of Architectural and Detail Structural Design of Bridges with approach road, River training works (if required), Slope protection etc.;
2. Review of all available reports such as Hydro-Morphological Study, Sub-soil Investigation report, Topographic Survey report etc.;
3. Review and check the Architectural and Detail Structural Design of Bridges with approach road submitted by the design consultant firm;
4. Assist to Detail cost Estimate, Bill of Quantities;
5. Assist Preparation of quality assurance plan;
6. Assist to prepare Supervision Methodology for implementation works;
7. Perform any other works assigned by the Design Unit (Bridge Design) and project Director of the Project and Team Leader cum Senior Bridge Engineer of Consultant Team.

**3.1 Preparation of Architectural and Detail Structural Design of Bridges with approach road, River training works (If required), Slope protection etc.;**

**3.1.1 General Requirement**

Services are to be provided by experienced professionals utilizing sound engineering knowledge and practices in large bridge project. The Consultant may utilize engineering, traffic and other data provided by related previous studies and reports but the responsibility for the accuracy of the data and its analysis and for all findings and conclusions shall rest with the Consultants.

**3.1.2 Design Criteria**

Typical issues of design criteria / standards that should require considerations are listed below.

Sl. No.	Issues
1.	AASHTO LRFD, Latest Bridge Design Standard of LGED and BNBC
2.	Width standards, bridge carriageway, foot path (carriageway, paved shoulder, earth shoulder), Bridge super structure geometry as per planning commission latest guideline and direction
3.	Necessary Navigational Clearance with respect to updated river class category on the basis of BIWTA and other study data and direction given by the BIWTA, Prime minister

Handwritten signatures and initials are present below the table, including a large signature on the left, a signature in the middle, and a checkmark on the right.



Sl. No.	Issues
	direction through planning commission
4.	Hydro-Morphology Feasibility study & BWTA Data
5.	Environmental Impact Assessment (EIA) report
6.	LGED latest Road Design Standard and specifications
7.	Utility services
8.	Slopes and cross-falls
9.	Junction design
10.	Road/Bridge safety
11.	Traffic Diversion Plan
12.	River Training work
13.	Electrification work

### 3.1.3 Architectural Plan and Detailed Engineering Design

- I. Design criteria for the design of bridge and ancillary structures are to be furnished in detail.
- II. Detailed engineering design of the bridge and ancillary structures shall be prepared conforming to AASHTO specifications.
- III. Fixation of length of the structure, Lay out plan, span arrangement and selection of type of the structure:
- IV. Width and length of the bridge, carriage way, vertical and horizontal navigational clearance of the bridge, foundations and substructure should be in conformity with the international design standard and structural requirements.
- V. Due considerations should be given to aesthetics of the structures suited to the ambient environment and minimize the risks of disasters considering multiple hazards in the respective area and climate change consequences in bridge design life.
- VI. Before finalizing the structural design and setting final layout of bridge, the EIA report of Concern Bridge must be considered.
- VII. It is noted that before preparation of final design of all bridges, the consultant must submit the Draft Final design to the design unit of LGED for the purpose of Vetting.
- VIII. After receiving the concurrence of design unit of LGED and if any comments including change of any specifications shall be incorporated in Final design & Drawing.
- IX. In case of approach road alignment and design will be follow more accessible path to avoid the land acquisition, improve future connectivity and better benefit of the community without disturbing the bio-diversity.

- X. Approach road design will be LGED updated gazette Road standard.
- XI. Some structure may be required to design by the co-ordination with the RAJUK, BWDB, RHD, and BIWTA and also with their NOC.
- XII. The calculations made regarding the structural design should be included in the design report and both soft copy and hard copy of drawings handed over to the LGED, PD office for future record of documentations.
- XIII. All drawings should be prepared in A-3 sheets and printed in offset papers with hard cover page and binding etc. completely.

#### 3.1.4 Detailed Engineering Drawings

The design shall yield a comprehensive set of detailed drawings suitable for tendering and actual execution of the project. The drawings shall be conveniently sized for construction site and shall be drawn to suitable scales to provide clarity of comprehension. During the Preparation of Final Engineering Drawing, the aesthetic view of the bridge as well as the landscape of approach road must be considered and the Final Drawing of the bridge would be prepared on the basis of architectural point of view. Following detail structural design shall be submitted.

- Site Plan including proposed best suitable Bridge approaches with ancillary works.
- Bridge layout plan with benchmark references, boring and test pit location (Mention Global GPS Co-ordinate).
- Detail construction guideline and specification and any special design required for substructure or super structure construction.
- General view (Plan and Elevation) with necessary RLs and dimensions.
- Detail foundation and structural design of various parts of the bridge in accordance with hydro-morphological study report and Sub-soil Investigation report using suitable software
- Detail Reinforcement drawings.
- Bar bending schedule.
- Details of all necessary bearings and Joints, protection work and river training work (if required)
- Utilities and any other features, which may be, deem necessary by the designer.
- Detail Electrical drawing of bridge.
- Detail slope protection work (Nature based solutions preferable).
- Road and Bridge Junction details with safety measures.
- Diversion road (if necessary).

### 3.1.5 Setting of bridge layout plan and pile points as well as river training work (if required), global (RTK) GPS coordinate

After completion of detailed design and drawings, final bridge layout shall be checked by the client, design consultant (and representative of design unit if required) jointly. Layout shall be established using global (RTK) GPS coordinate during layout setting in presence of qualified survey expert and other support staff of the consultant and necessary survey equipment shall be ensured by the consultant during the setting of bridge layout plan.

### 3.1.6 Other Relevant tasks

1. Prepare detail structural designs of the selected bridges particularly PSC girder bridges using standard software based on preliminary design upon acceptance of the Design Unit.
2. Assist the Project Director in review the Structural design of bridges, prepare modification design of bridges and or any of their components (if needed) based on the actual site condition and problems encountered during construction.
3. Discuss with Design Unit and concerned Project Director for finalization of the preliminary design of selected bridges including the bridge alignment, length, geometry, hydraulic parameter, foundation type, protective works, approach road etc.
4. Review and provide necessary comments/suggestions (if any) to LGED on the topographical survey and sub-soil investigation reports conducted and submitted by consulting firms.
5. Review hydro-morphological study reports and provide comment/suggestions to LGED (if any) for finalization of hydraulic parameters of the selected bridges by the concerned consultant.
6. Guide the AutoCAD operator to prepare working drawings; ensure preparing all details of critical sections at appropriate scale; print the drawings in A-3 sheets; verify drawings with the structural design; correct dimensions; reinforcement position etc. as necessary and submit it to the Project Director/Design Unit for approval.
7. Assist and guide Estimator to prepare Detail Estimate of all works, Bill of quantities and technical specifications on the basis of LGED current rate schedule.

### 3.2 Review of all available reports

Review of all available study reports such as Hydro-Morphological Study report, Sub-soil Investigation report, Topographic Survey report etc. and suggest PD if any modification required.

## 4. Consultant's reporting obligations and deliverable submission

**Output:** a) Structural Design & Drawing (Detail Load Calculation) of bridge, river training work (if required) and approach road, protection work (if necessary). b) Electrical drawing, safety drawing etc. c) Cost Estimate of bridge, river training work and approach road etc. d) Setting layout plan of Bridge and river training work with RTK GPS coordinate.



**5. Monthly Progress Report:** The consultant shall submit a monthly progress report in brief and concise form using the approved format. The report will describe progress of activities planned for previous month along with plan for the next month. The report shall also state problems encountered, or problems anticipated together with steps taken or recommendations for their correction.

#### **5. Duration of the Assignment**

Duration of the assignment will be 60 (Sixty) months. It is expected to commencement date of consultancy services from February 2023.

#### **6. Required Qualification and Experience**

##### **Educational Qualification**

- Minimum B. Sc in Civil Engineering from any Government accredited University. Master's in structural Engineering and Experience in large Bridge design will be given extra preference.

##### **Experience & adequacy for the assignment**

- 15 (Fifteen) years of overall experiences, out of which 10 (Ten) years relevant experience as a consultant in designing large PSC/RCC girder bridges.

##### **Other Competency**

- Designing skill using Midas Civil will be given extra preference.
- Design expert in more than 100m bridges over river will be more preferable.
- Computer skill (Staad. Pro, Midas Civil, CSI Bridge, MS word, Excel, Power point, AutoCAD etc.),
- Training in relevant areas etc.

#### **7. Institutional arrangements**

The individual Consultant will work directly with the Project Director, Superintendent Engineer (Bridge Design), Design Unit and support the officials and staff of LGED at LGED district and Upazila in the project area, and at PMU LGED Headquarters, in order to achieve the objectives of the project. He/ She will be responsible for managing the team.

#### **8. Logistics and Facilities provided by Client**

LGED will provide office accommodation for the consultant. LGED may also provide necessary support staffs, Computer/Laptop, Printer and necessary consumables. Payments of which may be made from monthly payment as reimbursable item.

##### **8.1 Study Reports, Traffic and Technical Data**


LGED will provide the Consultant with all available data as and when required.


- All relevant studies so far done related to the project;
- Design manuals, standard designs of structures & other infrastructures, PPR-2008, LGED's Unit Rate Analysis and Unit Rates etc.


- Topographical survey map & sub-soil investigation report of proposed Bridge.
- Contract documents including design, drawing, price BOQ, technical specification etc.
- Maps of the country and location of the structures;
- Cost data on recent construction projects; and any other report as available in LGED.


#### 9. Working station

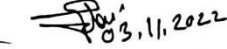
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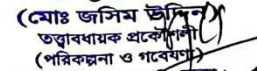
  
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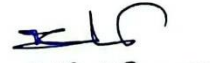
  
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১০.১১.২২  
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তত্ত্বাবধায়ক প্রকৌশলী  
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৩.১১.২২

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এলজিইডি, সদর দপ্তর, ঢাকা।



## **Section 3. Application Forms**

Form 3A : Application Submission Form

Form 3B : CV of the Applicant

Form 3C: Remuneration and Reimbursable

# Form 3A. Application Submission

[Location: dd/mm/yy]

To:

-----  
[Name]  
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-----  
[Address of Client]  
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Dear Sirs:

I am hereby submitting my Application to provide the consulting Services for [Insert title of assignment] in strict accordance with your Request for Application dated [dd/mm/yy].

I declare that I was not associated, nor have been associated in the past, directly or indirectly, with a Consultant or any other entity that has prepared the design, specifications and others documents in accordance with Clause 5.

I further declare that I have not been declared ineligible by the Government of Bangladesh on charges of engaging in corrupt, fraudulent, collusive or coercive practices in accordance with Clause 4.

I undertake, if I am selected, to commence the consulting Services for the assignment not later than the date indicated in Clause 12.1.

I understand that you are not bound to accept any Application that you may receive.

I remain,

Yours sincerely,

Signature

Print name

Address:

Tel:

**Attachment:**

## Form 3B. Curriculum Vitae (CV) of the Applicant

1	PROPOSED POSITION FOR THIS PROJECT :	<i>[From the Terms of Reference, state the position for which the Consultant will be engaged.]</i>								
2	NAME OF PERSON :	<i>[state full name]</i>								
3	DATE OF BIRTH :	<i>[ dd/mm/yy]</i>								
4	NATIONALITY :									
5	MEMBERSHIP IN PROFESSIONAL SOCIETIES	<i>[state rank and name of society and year of attaining that rank].</i>								
6	EDUCATION	<i>[list all the colleges/universities which the Applicant attended, stating degrees obtained, and dates, and list any other specialised education of the Applicant ].</i>								
7	OTHER TRAINING	<i>[indicate significant training since degrees under EDUCATION were obtained, which is pertinent to the proposed tasks of the Consultant].</i>								
8	LANGUAGES & DEGREE OF PROFICIENCY	<table style="width: 100%; border: none;"><tr><td style="text-align: center;"><u>Language</u></td><td style="text-align: center;"><u>Speaking</u></td><td style="text-align: center;"><u>Reading</u></td><td style="text-align: center;"><u>Writing</u></td></tr><tr><td style="text-align: center;"><i>e.g. English</i></td><td style="text-align: center;"><i>Fluent</i></td><td style="text-align: center;"><i>Excellent</i></td><td style="text-align: center;"><i>Excellent</i></td></tr></table>	<u>Language</u>	<u>Speaking</u>	<u>Reading</u>	<u>Writing</u>	<i>e.g. English</i>	<i>Fluent</i>	<i>Excellent</i>	<i>Excellent</i>
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<i>e.g. English</i>	<i>Fluent</i>	<i>Excellent</i>	<i>Excellent</i>							
9	COUNTRIES OF WORK EXPERIENCE									
10	EMPLOYMENT RECORD <i>[starting with present position list in reverse order <b>every employment held and state the start and end dates of each employment]</b></i>	<i>[The Applicant should clearly distinguish whether as an “employee” of the firm or as a “Consultant” or “Advisor” of the firm].</i>  <i>[The Applicant should clearly indicate the Position held and <b>give a brief description of the duties</b> in which the Applicant was involved].</i>								
	EMPLOYER 1	FROM: <i>[e.g. January 1999]</i> TO: <i>[e.g. December 2001]</i>								
	EMPLOYER 2	FROM:      TO:								
	EMPLOYER 3	FROM:      TO:								

EMPLOYER 4 (etc)	FROM:	TO:
11	WORK UNDERTAKEN THAT BEST ILLUSTRATES THE CAPABILITY TO HANDLE THIS ASSIGNMENT	<i>[give an outline of experience and training most pertinent to tasks on this assignment, with degree of responsibility held. Use about half of a page A4].</i>
12	COMPUTER SKILL	

**CERTIFICATION**

*[Do not amend this Certification].*

I, the undersigned, certify that (i) I was not a former employee of the Client immediately before the submission of this proposal, and (ii) to the best of my knowledge and belief, this CV correctly describes myself, my qualifications, and my experience. I understand that any wilful misstatement described herein may lead to my disqualification or dismissal, if engaged.

Signature			
Print name			
Date of Signing			
dd / mm / yyyy			

## Form 3C. Indicative Remuneration & Expenses

The Consultant should provide an indication of the remuneration as per the format shown below. This will not be used for evaluation of the Consultant's Application but solely for the purposes of Application Negotiations to be held as stated in **Clause 9.1** .

**(1) Remuneration**

Rate (Per month in Tk)	Staff Time (No. month)	Total (Tk)
	60	

**Note: A month consists of 30 calendar days.**

**(2) Reimbursable (as applicable)**

	Rate per unit	Total unit	Total Amount (Tk)
(a) Per Diem Allowance			
(b) Air Travel Costs			
(c) Other Travel Costs (state mode of travel)			
(d) Support staff (AutoCAD operator/Junior Bridge Design Engineer) for two years			
(e) <span style="color: red;">Communication charges</span>			
(f) <span style="color: red;">Reproduction of Reports</span>			
(g) Other Expenses ( <i>to be listed</i> )			
		Sub-total	

CONTRACT CEILING (1) + (2)	
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## Section 4. Contract Forms

The ***Contract Agreement***, which once completed and signed by the Client and the Consultant, clearly defines the Client's and Consultants' respective responsibilities.

## 4.1 Contract Agreement (Time-based)

THIS CONTRACT (“the Contract”) is entered into this day of [dd/mm/yy], by and between [insert name of Client] (“the Procuring Entity”) having its office at [insert address of Client], and [insert name of Consultant] (“the Consultant”) having his/her address at [insert address of Consultant].

WHEREAS, the Client wishes to have the Consultant performing the Services hereinafter referred to, and

WHEREAS, the Consultant is willing to perform these Services,

NOW THEREFORE THE PARTIES hereby agree as follows:

### **General**

1. Services
  - 1.1 The Consultant shall perform the Services specified in Annex A (*Description of Services*), which are made an integral part of the Contract.
2. Duration
  - 2.1 **The Consultant shall perform the Services during the period commencing from [dd/mm/yy] and continuing until [dd/mm/yy], or any other period as may be subsequently agreed by the parties in writing.**
3. Corrupt, Fraudulent, Collusive or Coercive Practices
  - 3.1 The Government requires that Client , as well as Applicants, shall observe the highest standard of ethics during the implementation of procurement proceedings and the execution of Contracts under public funds.
  - 3.2 The Government defines corrupt, fraudulent, collusive or coercive practices, for the purposes of this provision, in the **Sub-Clause 3.5**
  - 3.3 Should any corrupt, fraudulent, collusive or coercive practice of any kind come to the knowledge of the Client, it shall, in the first place, allow the Applicant to provide an explanation and shall, take actions only when a satisfactory explanation is not received.
  - 3.4 If the Client at any time determines that the Applicant has, directly or through an agent, engaged in corrupt, fraudulent, collusive or coercive practices in competing for, or in executing, a Contract under public funds., the Client shall:
    - (a) exclude the Applicant from participation in the procurement proceedings concerned or reject an Application for award; and
    - (b) declare the Applicant ineligible, either indefinitely or for a stated period of time, from participation in procurement proceedings under public funds.

3.5 The Government defines, for the purposes of this provision, the terms set forth below as follows:

**“corrupt practice”** means offering, giving or promising to give, receiving, or soliciting either directly or indirectly, to any officer or employee of a Client or other public or private authority or individual, a gratuity in any form; employment or any other thing or service of value as an inducement with respect to an act or decision or method followed by a Client in connection with a Procurement proceeding or Contract execution;

**“fraudulent practice”** means the misrepresentation or omission of facts in order to influence a decision to be taken in a Procurement proceeding or Contract execution;

**“collusive practice”** means a scheme or arrangement between two (2) or more Persons, with or without the knowledge of the Client, that is designed to arbitrarily reduce the number of Tenders submitted or fix Tender prices at artificial, non-competitive levels, thereby denying a Client the benefits of competitive price arising from genuine and open competition; or

**“coercive practice”** means harming or threatening to harm, directly or indirectly, Persons or their property to influence a decision to be taken in the Procurement proceeding or the execution of a Contract, and this will include creating obstructions in the normal submission process used for Tenders, Applications, Proposals or Quotations.

- |    |                              |     |  |
|----|------------------------------|-----|--|
| 4. | Applicable Law               | 4.1 | The Contract shall be governed by and interpreted in accordance with the laws of the People’s Republic of Bangladesh   |
| 5. | Governing Language           | 5.1 | The language governing the Contract shall be English, however for day to day communications in writing both Bangla and English may be used.  |
| 6. | Modification of Contract     | 6.1 | The Contract shall only be modified by agreement in writing between the Client and the Consultant.   |
| 7. | Ownership of Material        | 7.1 | Any studies, reports or other material, graphic, software or otherwise, prepared by the Consultant for the Client under the Contract shall belong to and remain the property of the Client.                          |
|    |                              | 7.2 | The Consultant may, with the prior written approval of the Client, retain a copy of such documents and software, but shall not use them for purposes unrelated to the Contract.                                      |
| 8. | Relation between the Parties | 8.1 | Nothing contained in the Contract shall be construed as establishing or creating any relationship other than that of independent Consultant between the Client and the Consultant.                                   |
| 9. | Contractual Ethics           | 9.1 | No fees, gratuities, rebates, gifts, commissions or other payments, other than those shown in the Contract, shall have been given or received in connection with the selection process or in the contract execution. |



## Payments to the Consultant

10. Ceiling Amount
- 10.1 The Client shall pay the Consultant for the Services rendered pursuant to 'Description of Services' 'a ceiling amount not to exceed Tk [insert amount], which includes remuneration and reimbursable expenses as set forth in Clauses 10.2. These amounts have been established based on the understanding that it includes all of the Consultant's costs as well as any tax obligation that may be imposed on the Consultant.
- 10.2 The composition of the Remuneration and Reimbursable which make up the ceiling amount are detailed in Annex B
11. Remuneration
- 11.1 The Client shall pay the Consultant for Services rendered with the rates agreed and specified in **ANNEX B** "Cost estimates for Services and Schedule of Rates". Remuneration rates shall be on monthly/daily/hourly [ delete those inappropriate ]
- 11.2 **Monthly Rate:** The time spent in performing the Services shall include travel time, weekends and public holidays, and to the extent specified in Clause 15.2 shall also include periods of casual leave and sick leave. In cases where only part of a month is worked then remuneration shall be computed by dividing the monthly rate by 30 and multiplying by the number of days worked i.e. time spent (as described above) during that month;
- or**
- Daily rate:** The time spent in performing the Services shall be determined solely on the basis of the number of days actually worked by the Consultant, and shall include travel time, but not weekends, public holidays, casual or sick leave
- or**
- Hourly rate:** The time spent in performing the Services shall be determined solely on the basis of the number of hours actually worked by the Consultant, and shall include travel time, but not weekends, public holidays, casual or sick leave.
12. Reimbursables
- 12.1 **Per Diem Allowance:** The Consultant shall, when performing the Services away from the duty station, be entitled to per diem allowance in accordance with the agreed per diem rates.
- 12.2 **Travel Costs:** The Consultant shall, when performing the Services away from the duty station, be entitled to travel costs in accordance with the agreed travel costs.
- 12.3 **Other Expenses:** The Consultant shall, when performing the Services, be entitled to reimbursement of any other expenses as detailed in **Annex B**.
- 12.4 For other reasonable reimbursable expenses not falling within the above three categories, but which may arise during performance of the Services, such expenses will only be reimbursed by the Client as it may at its sole discretion approve, subject to available of budget.

13. Payment Conditions
- 13.1 **Currency:** Payments shall be made in Bangladesh Taka by the end of each calendar month or within fifteen (15) calendar days of receipt of the Invoice as the case may be.
- 13.2 **Advance Payment:** The Consultant shall, if he/she so requests, be entitled to a total advance payment, as specified in Annex B, to cover his/her out-of-pocket expenses which are to be recovered in equal installments from monthly amounts due to him/her.
- [For aid funded procurement Advance Payments may be applicable. However, for 100% GoB funded procurement Advance payments shall not be applicable unless otherwise specifically decided by The Government.]*
- 13.3 **Monthly Payments:** The Consultant shall submit an Invoice for Remuneration and Reimbursable at the end of every month and payments shall be made by the Client within fifteen (15) calendar days of receipt of the invoice.
- 13.4 **Final Payment:** The final payment shall be made only after the final report shall have been submitted by the Consultant and approved as satisfactory to the Client. If the Client notifies any deficiencies in the Services or the final report, the Consultant shall promptly make any necessary corrections, to the satisfaction of the Client.
- 13.5 **Suspension:** The Client may, by written notice of suspension to the Consultant, suspend all payments to the Consultant hereunder if the Consultant fails to perform his/her obligations under this Contract.
- 13.6 **Refund of Excess Payment:** Any amount if paid to the Consultant in excess of the amount actually payable under the provisions of the Contract shall be reimbursed by the Consultant within thirty (30) days of receipt of the claim from the Client, provided that such claim is lodged within three(3) months after the acceptance of the final report.

## **Obligations of the Consultant**

14. Medical Arrangements
- 14.1 The Consultant shall, before commencement of the Services furnish the Client with a medical report providing evidence satisfactory to the Client that the Consultant is in good health and is not subject to any physical or mental disability which may interfere with his/her performance of the Services.
15. Working Hours and Leave
- 15.1 The Consultant shall, when engaged directly with the Client, follow the normal Working Hours and Holidays of the Client, and entitlement to leave as per the Client's Rules.
- 15.2 The Consultant's remuneration shall be deemed to cover leave except otherwise specified in the Contract.
16. Performance Standard
- 16.1 The Consultant undertakes to perform the Services with the highest standards of professional and ethical competence and integrity.
17. Contract Administration
- 17.1 **Client's Representative**  
The Client's representative, as indicated in Annex A, shall be

responsible for the coordination of all activities under the Contract.

#### 17.2 **Timesheets**

The Consultant providing Services may be required to complete standard timesheets or any other document to identify the time spent, as requested by the Client's Representative.

18. Confidentiality 18.1 The Consultant shall not, during the term of the Contract or within two years after its expiration, disclose any proprietary or confidential information relating to the Services, the Contract or the Client's business operations without the prior written consent of the Client.
19. Consultant's Liabilities 19.1 The Consultant shall continue to cooperate with the Client after the termination of the Contract, to such reasonable extent as may be necessary to clarify or explain any reports or recommendations made by the Consultant.
- 19.2 The Consultant shall report immediately to the Client any circumstances or events which might reasonably be expected to hinder or prejudice the performance of the Services.
20. Consultant not to be Engaged in Certain Activities 20.1 The Consultant agrees that, during the term of the Contract and after its termination, the Consultant shall be disqualified from providing goods, works or services (other than any continuation of the Services under the Contract) for any project resulting from or closely related to the Services.

### **Obligations of the Client**

21. Services, Facilities and Property 21.1 The Client shall, free of any charge to the Consultant, make available for the purpose of carrying out the assignment data, local services, personnel, and facilities indicated in Annex A.

### **Termination and Settlement of Disputes**

22. Termination 22.1 **By the Client**
- The Client may terminate the Contract by not less than twenty-eight (28) days written notice to the Consultant, Such notice to be given after the occurrence of any event necessitating such termination.
- 22.2 **By the Consultant**
- The Consultant may terminate the Contract, by not less than twenty eight (28) days written notice to the Client, if the Client fails to pay any monies due to the Consultant pursuant to the Contract.
23. Dispute Resolution 23.1 **Amicable Settlement**
- The Client and the Consultant shall use their best efforts to settle amicably all disputes arising out of or in connection with this Contract or its interpretation.

### 23.2 Arbitration

If the dispute cannot be settled the same may be settled through arbitration in accordance with the Arbitration Act 2001 of Bangladesh as at present in force. The place of Arbitration shall be in Dhaka.

IN WITNESS WHEREOF the parties hereto have signed this agreement the day and year first above written.

FOR THE CLIENT

FOR THE CONSULTANT

Signature

Signature

Print Name & Position:

Print Name:

The following documents forming the integral part of this contract shall be interpreted in the following order of priority:

(a) The Form of contract

Annex A: Description of Services

Annex B: Cost Estimates of Services and Schedule of Rates

Annex C: Consultant's Reporting Obligations

## **ANNEX A: Description of the Services**

*[Give detailed descriptions of the Services including its (a) Background, (b) Objectives, (c) Detailed negotiated TOR providing a description of Services to be provided , (d) Work plan with dates for completion of various tasks, (e) Place of performance of different tasks, (f) Specific tasks to be approved by the Client; etc.).*

*[also ensure the following data is listed in this Annex in conformity with the Contract Agreement.*

- 1. The name of the main location (Duty Station) at which the Services are to be provided. Also advise if any other travel will be necessary, and if so, to which expected locations will the Consultant be required to travel.*
- 2. Indicate the Contact Addresses for Notices and Requests as indicated in Clause 22.1 of the Contract Agreement.*
  - (a) Address of the Client:  
(With phone number, Fax number & e-mail)*
  - (b) Address of the Client:  
(With phone number, Fax number & e-mail)*
- 3. Logistics and facilities to be provided to the Consultant by the Client are listed below:*
  - Office space with furniture including file cabinet and electric connection;*
  - Office Assistant(s)/Support staff;*
  - Office equipment like computer, printer etc;*
  - Facilities for production and binding of reports etc. shall be the responsibility of the Client in case of Time based contract.*
  - Any other facilities agreed by both Client & the Consultant.*

## ANNEX B: Cost estimates of Services and Schedule of Rates

### (A) Remuneration

Name of Consultant	Rate, Taka	Quantity	Total Taka
(a)	(b)	(c)	(d) = (b) x (c)
		60	
Remuneration is made on a [ <i>state monthly</i> ] rate		Sub-Total (A)	

### (B) Reimbursable

Items of reimbursable	Unit	Qty	Rate(Taka)	Total (Taka)
(a)	(b)	(c)	(d)	(e) = (c) x (d)
(a) Per Diem Allowance				
(b) Air Travel Costs				
(c) Other Travel cost				
(d) Support staff (AutoCAD operator/Junior Bridge Design Engineer) for two years				
(e) Communication charges				
(f) Reproduction of reports				
(g) Other Expenses (to be listed)				
<i>Supporting documents and vouchers must be attached with the invoice</i>		Sub-total (B) =		

<b>CONTRACT CEILING (A) +(B)=</b>	Total =
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## ANNEX C: Consultant's Reporting Obligations

Sl. No.	Reports	Contents of Reports	Persons to Receive them	Date of Submission
1	Inception Report	As per ToR	As per ToR	As per ToR
2	Interim Progress Report (a) First Status Report (b) Second Status Report	As per ToR	As per ToR	As per ToR
3	Draft Report	As per ToR	As per ToR	As per ToR
4	Final Report	As per ToR	As per ToR	As per ToR