Government of the People's Republic of Bangladesh
Office of the Project Director (ACE), RHD
Construction of Five Climate Resilient Bridges in Mymensingh Division, Bangladesh
DTCA Bhaban (RHD Part), Level 8, Tejgaon, Dhaka-1208
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Memo No. 35.01.0000.080.14.002/C1.26-84 Date: 17 November 2026

REQUEST FOR EXPRESSIONS OF INTEREST
(CONSULTANCY SERVICES – SELECTION OF FIRMS)

Country: Bangladesh
Name of the Project: Construction of Five Climate Resilient Bridges in Mymensingh Division, Bangladesh
Sector: Road Transport
Consulting Services for Proof Checking and Civil Works Supervision Consultancy for Someshwari-2 Bridge and Someshwari-3 Bridge, Package-C1
Mode of Financing: Forward Lease and Loan (an IsDB Shariah-compliant financing modality)
Financing No: BGD1096

The Government of Bangladesh has received financing from the Islamic Development Bank toward the cost of the "Construction of Five Climate Resilient Bridges in Mymensingh Division, Bangladesh", and intends to apply part of the proceeds for consulting services.

The services include independently review and verify the Contractor's Basic Design, Detailed/Construction Design, drawings, calculations, specifications, method statements, and other technical submissions and provide comprehensive construction supervision and contract-management services through completion and handover. The duration of the assignment is 48 months and comprises two phases, with total key professional staff-months is 315. Expected start date of the assignment is 01 October 2027.

The detailed Terms of Reference (TOR) for the assignment can be found at the following website: https://rhd.portal.gov.bd/ Or the TOR can be obtained at the QR link given below.

The Roads and Highways Department (RHD) of the Road Transport and Highways Division (RTHD), Ministry of Road Transport and Bridges (MoRTB) of the Government of Bangladesh now invites eligible consulting firms ("Consultants") to indicate their interest in providing the services. Interested Consultants must provide specific information which demonstrates that they are fully qualified to perform the services (brochures, description of similar assignments, experience in similar conditions, availability of appropriate skills among staff, etc.).

The shortlisting criteria are as follows:

(a) **Design Checking/Design Review Experience:** Proven experience in designing and/or independently checking major long-span bridges—particularly extradosed or cable-stayed bridges—of comparable scale, structural system, complexity and applicable standards. Design experience on comparable bridges will be accepted as relevant design-checking capability.

(b) **Construction Supervision Experience:** Proven supervision experience on major long-span bridges—particularly extradosed or cable-stayed bridges—of comparable scale, methodology, complexity and standards, covering foundations, substructures, superstructures, prestressing, cable systems, erection, testing and commissioning.

(c) **Contractual Management Experience:** Experience of the firm in administering international Design–Build contracts, preferably under the FIDIC Yellow Book or equivalent, including Contractor's design review, variations, claims, extensions of time, program and delay analysis, payments, testing, taking-over and dispute avoidance.

(d) **International, MDB and Regional Experience:** Experience in major internationally financed infrastructure projects, preferably transport or bridge projects, including MDB or equivalent procurement,

contract management, and environmental and social requirements, together with experience in Bangladesh or comparable geographic and construction environments.

(e) **Organizational, Management and Financial Capacity:** Demonstrated ability to mobilize and retain a qualified multidisciplinary international team of long-span bridge, structural, construction supervision and contract-management specialists; access to international, regional or head-office expertise; and adequate financial capacity evidenced by relevant consulting turnover and other financial information.

Only the experience of the Lead firm and Joint Venture (JV) partners will be considered during the shortlisting stage. The experience of sub-consultants may be referenced but will not be evaluated. Key Experts will not be evaluated at the shortlisting stage.

Consultants may associate with other firms to enhance their qualifications but should indicate clearly whether the association is in the form of a joint venture and/or a sub-consultancy. In the case of a joint venture, all the partners in the joint venture shall be jointly and severally liable for the entire contract, if selected.

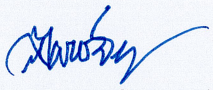
The attention of interested Consultants is drawn to 1.12.1 and 1.12.2 paragraphs of the Procurement Policy of the *Guidelines for the Procurement of Consultancy Services under Islamic Development Bank Project Financing* April 2019 (Revised February 2023) (the "Procurement Guidelines"), setting forth IsDB's policy on conflict of interest.

A consultant will be selected in accordance with the Quality and Cost-Based Selection (QCBS) method among shortlist of international firms as set out in the Procurement Guidelines.
Interested consultants may obtain further information at the address below during office hours [Sunday to Thursday, 09:00 AM to 5:00 PM] (Bangladesh Standard Time).

Expressions of interest must be delivered in writing to the address below, in person or by mail or by email, by 2:00 PM (Bangladesh Standard Time) on 04 January 2027.

[Note: The Notice is also available on the websites of the Bangladesh Public Procurement Authority (BPPA), Road Transport and Highways Division (RTHD), Islamic Development Bank (IsDB) and DgMarket at www.bppa.gov.bd , www.rthd.gov.bd , https://www.isdb.org/ and https://www.dgmarket.com/ respectively.]

Office of the Project Director
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(Md. Masum Sarower)
ID No. 001023
Project Director (ACE, RHD)
Construction of Five Climate Resilient Bridges
in Mymensingh Division, Bangladesh

Government of The People's Republic of Bangladesh

Ministry of Road Transport and Bridges
Road Transport and Highways Division
Roads and Highways Department
Construction of Five Climate Resilient Bridges in Mymensingh Division, Bangladesh

TERMS OF REFERENCE
For
Proof Checking and Civil Works Supervision Consultancy for Someshwari-2 Bridge and Someshwari-3 Bridge, Package-C1

November 2026

TERMS OF REFERENCE (ToR)

for

Proof Checking and Civil Works Supervision Consultancy for Someshwari-2 Bridge and Someshwari-3 Bridge, Package-C1

1. Project Background

Bangladesh with its fast-growing economy aspires to become a middle-income country which in return would require improved land route connectivity to support the potential need in the growth of vehicular movement due to growth in the GDP. The economic growth will induce growth in freight traffic and higher socioeconomic growth, which would contribute to increase in the usage of private vehicles, whereas population growth would maintain the demand of public transport. Hence the demand for road networks is growing while a good road network will allow the benefit of the economic growth to spread across the country and reveal new opportunities.

Since the country is covered by rivers and water bodies there are many road networks that rely on ferry services for connectivity. The existing ferry services have their own limitations to achieve uninterrupted flow, due to the capacity and availability of the service. Therefore, it is essential to construct bridges to ensure safer uninterrupted traffic flow and availability of service around the clock.

The Road Master Plan 2009 has made specific recommendations for the construction of bridges in the road network. In addition, the 8th Five-Year Plan (2021-2025) has set a target of constructing 36,500 m bridges & culverts as a strategy for the road transport sector.

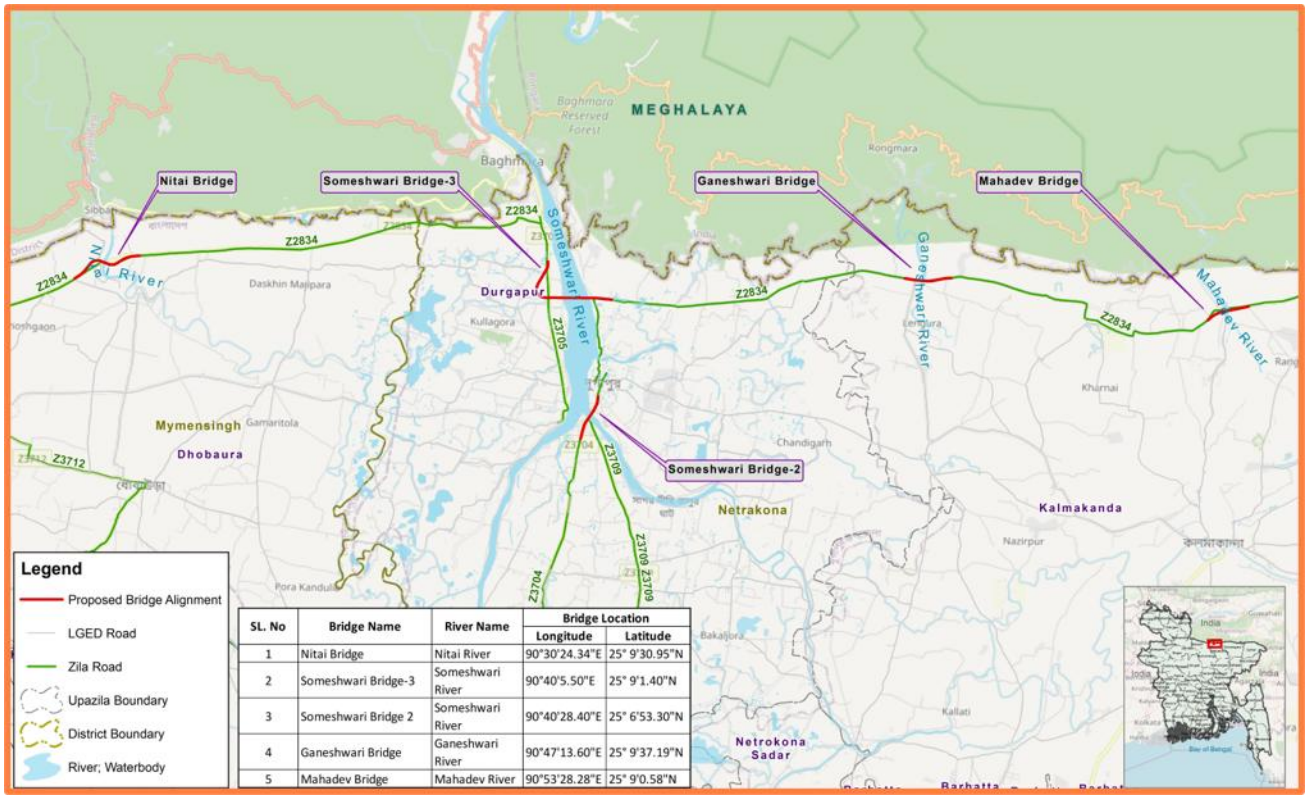
Mymensingh Division is the eighth administrative division of the nation. In 2015, The division has been formed by separation from Dhaka division consisting of the districts of Mymensingh, Jamalpur, Sherpur and Netrokona. The bridges along the border districts will play a crucial role in improving the trading between Bangladesh and land locked neighbouring countries to utilize the Bangladesh ports for their exports & imports.

Considering the above scenario and in line with the policy of gradual construction of new bridges, RHD has selected many channel gaps to construct new bridges, in various locations of Mymensingh Zone of RHD, considering their strategic location, river width, AADT and socio-economic potential of the project areas. Two of these gaps are at 36th km of Shyamganj-Zaria-Birishiri-Durgapur Road (Z-3704) and 35th km of Sunamganj-Netrokona-Mymensingh-Sherpur Border Road (Z-2834) over Someshwari River.

2. Location of the Project

The proposed Someshwari-2 & Someshwari-3 bridges will be constructed over the Someshwari river which will be situated at 36th km of Shyamganj-Zaria-Birishiri-Durgapur Road (Z-3704) and 35th km of Sunamganj-Netrokona-Mymensingh-Sherpur Border Road (Z-2834) respectively. Someshwari-2 & Someshwari-3 bridges are in Durgapur Upazilla, Netrokona.

Annexure 1: Location Map



SL. No	Bridge Name	River Name	Bridge Location	
			Longitude	Latitude
1	Nitai Bridge	Nitai River	90°30'24.34"E	25° 9'30.95"N
2	Someshwari Bridge-3	Someshwari River	90°40'5.50"E	25° 9'1.40"N
3	Someshwari Bridge 2	Someshwari River	90°40'28.40"E	25° 6'53.30"N
4	Ganeshwari Bridge	Ganeshwari River	90°47'13.60"E	25° 9'37.19"N
5	Mahadev Bridge	Mahadev River	90°53'28.28"E	25° 9'0.58"N

3. Objectives of the Consultancy Services

The primary objective of this project is to establish a safe, reliable, sustainable, and environmentally friendly road connection over the Someshwari River at 35th km of Z-2834 & 36th km of Z-3704 and addressing local social needs ensuring uninterrupted connectivity. Assist the Project Implementation Unit (PIU) of RHD for Technical Support, Proof Checking, Construction Supervision and Contract administration. The main objectives of the Consultant's assignment are as follows:

a. To provide proof checking for Basic Design and Construction Design documents produced by Contractor.

b. To ensure high standards of quality assurance in execution of work and completion of work within stipulated time limit.

c. To provide comprehensive supervision of project implementation activities carried out by the contractor(s) to ensure compliance according to the contract documents.

d. To assist the PIU of the Roads and Highways Department in carrying out their duties as clients.

4. Scope of Consulting Services

Consultancy services are required for the proof checking of designs, construction supervision, and contract management of all project components. The services will ensure that the works

are implemented economically and efficiently, in accordance with approved drawings and specifications, applicable standards and good engineering practices, contractual requirements, and environmental and social safeguard provisions. The Consultant will monitor workmanship, material quality, cost, progress, and compliance to achieve the project objectives within the stipulated construction period and ensure value for money.

The major project components are shown in brief in Table 1 & 2.

Table 1: Project components (Someshwari Bridge-2)

No.	Description	Unit	Quantity (Approx.)
1.	Main Bridge (Extradosed Cable-Stayed Span)	Meter	330
2.	Viaduct Bridge	Meter	476.80
3.	Land Acquisition and Compensation	Acre	9.75
4.	River-bank protection works (RTW)	Meter	240
5.	Rigid pavement (Approach Road)	Meter	N/A
6.	Flexible pavement (Approach Road)	Meter	518
7.	Toll plaza (computerized toll collection system)	Nos.	N/A
8.	Mechanical and Electrical works	LS	1
9.	Ancillary works (protective works, intersections, landscaping, Bus-bay, Road divider, Drain, Turfing, Sign-Signal, Km post, Road marking, Rumble strips, road safety design, electrification and lightening, pedestrian stair etc.)	LS	Footpath cum drain - approx. 500m, Intersection – 1, Bus Bay – 2; Road Signs & markings; Lighting - 20 nos
10	Institutional capacity development of RHD engineers	LS	1

Table 2: Project components (Someshwari Bridge-3)

No.	Description	Unit	Quantity (Approx.)
1.	Main Bridge (Extradosed Cable-Stayed and Balanced Cantilever Span)	Meter	990
2.	Viaduct Bridge	Meter	991.80

No.	Description	Unit	Quantity (Approx.)
3.	Land Acquisition and Compensation	Acre	35.99
4.	River-bank protection works (RTW)	Meter	1225
5.	Rigid pavement (Approach Road)	Meter	125
6.	Flexible pavement (Approach Road)	Meter	1800
7.	Toll plaza (computerized toll collection system)	Nos.	1
8.	Mechanical and Electrical works	LS	1
9.	Ancillary works (protective works, intersections, landscaping, Bus-bay, Road divider, Drain, Turfing, Sign-Signal, Km post, Road marking, Rumble strips, road safety design, electrification and lightening, pedestrian stair etc.)	LS	Intersection – 2 Nos
10	Institutional capacity development of RHD engineers	LS	1

The main tasks and activities of the Consultant would include, but are not limited to the following:

Task 1: Proof Checking Support of Bridge/Road Works Design and other Related Works:

The Consultant shall (i) Provide proof checking for Basic Design and Construction Design documents submitted by the Contractor. (ii) Proof checking will ensure that the structural scheme & span arrangement chosen by client meets the intended function of the project and the requirements in the Contract between the Contractor and the Employer of project. (iii) Check and ensure that design criteria and assumptions conform to the Code/Contract and with accepted engineering practice. The design incorporates pertinent results and recommendations of geotechnical, hydraulic and other engineering investigations. The Consultant shall make independent calculations to form a basis for arriving at the conclusions.

Task 2: Construction Supervision of the Bridge/Road Works:

The Consultant shall (i) provide supervision and monitoring of construction works including administrative, financial and other services required within the scope of the assignment with due care and diligence and to assist relevant Project Implementation Unit (PIU) officials in carrying out their duties, including preparation of progress and other reports, preparation of quality check for both construction and all maintenance during construction works and supervision of construction inspection forms, monitoring of implementation of environmental management and social action plan, preparation of payment certificates, preliminary and final

hand-over certificates including contract closing activities; (ii) review the traffic management plan and work zone safety plan submitted by the Contractor and ensure that the approved plans are implemented throughout the execution of the work; (iii) provide other supports upon the request of PIU/RHD. In addition to the above services, the Consultant will undertake maintenance quality checks for all maintenance during construction works.

Task 3: Monitoring the Implementation of ESHS & RP Implementation:

The Consultant shall carry out monitoring according to the approved Environmental Management Plan and Occupational Health and Safety Plan. The Consultant shall prepare the periodical monitoring reports to the PIU as specified in the Description of the Services/Terms of Reference. The Consultant shall also provide support to the PIU and RP implementation agency in resettlement and utility shifting required for the project.

5. Details Description of the Services

The consultant shall carry out the following tasks under this Program:

5.1 Proof Checking Support of Bridge/Road Works and other Related Works

Objectives of proof checking include the following:

i. To check and comment on the comprehensive scheme prepared by the Contractor showing the layout plan of various components of the scheme including footpaths, central verge, crash barriers etc.

ii. To study the soil investigation report and confirm the adequacy of geo-technical report and recommendations.

iii. Review, verification, and independent design check of all foundation, substructure, superstructure and all other associated components to ensure compliance with the applicable design criteria, codes, geotechnical requirements, loading conditions, and safety provisions.

iv. To check and certify the Basic Designs including foundation, substructure, superstructure etc. based on relevant National codes/International codes and practices.

v. To check and certify the General Arrangement Drawing of various components of the bridge and approaching sections.

vi. To check and certify the structural system for various components of bridge(s) e.g. foundation, substructure and superstructure keeping in view increased durability and long-term serviceability as per national/international codes and practices.

vii. To check and certify the detailed seismic analysis and design of the bridge(s) as per relevant National / International Codes.

viii. Ensuring the two bridges are designed, built and handed over as climate-resilient assets, fit for the design life under projected climate conditions, in line with the Employer's Requirements.

ix. To check and comment / confirm proposed sequence and methodology of construction, suitability of materials and technology covering various alternatives.

x. Verifying data input/load calculations and structural calculations for all components of the bridge(s) and approaching sections (by independent software or their own computer program) and give the comparative statements of differences, if any, between contractor output and their own with an explanatory note wherever so required.

xi. To check and comment on the designs and drawings of river training works, drainage system and any other ancillary/related structures like foundation arrangement for light fittings, lifts signage's etc.

5.2 Construction Supervision of the Bridge/Road Works

The Consultant shall perform the following:

i. Supervision of all works in the project to ensure employer's requirements of the design, specifications, budget and time schedule are maintained;

ii. Establish a preventive supervision method that ensures compliance by the contractors with design requirements during the execution of the work;

iii. Recommend design changes, which may be necessary to adopt the final design with the particular-site conditions, encountered during the construction stage. Design changes and modification or variation orders, if any, shall be reviewed and recommend for approval by the Employer;

iv. Conduct or cause to be conducted all topographical (with respect to SOB references), geo-technical, material or other surveys, and any other field or laboratory investigations or tests that will be required for the proper execution and functioning of the project;

v. Establish and recommend a quality control and quality assurance system for the project. The Consultant will apply its quality standards to its work under the Contract and will also review and audit the quality standards and procedures of the Contractor;

vi. Review and recommend project time schedule, cash flow program submitted by the contractor; and advise the contractor and the client all actions necessary to adhere to such programs;

vii. Inspect and recommend all samples of materials in consultation with the Employer;

viii. Review and recommend working and shop drawing and method statements submitted by the contractor and verify all measurements during and after the completion of the work.

ix. Evaluation and recommendations concerning any changed conditions such as soil characteristics changes, anomalous behavior of piling etc;

x. Recommendations concerning corrective measures including redesigning in the case of errors in construction or unintended behavior of constructed elements etc. e.g. excessive settlement.

xi. Monitor the contractors' construction works for compliance with the recommendations of the final environmental impact assessment and other environmental criteria contained within the contract specifications and investigate and report on any environmental complaints.

xii. Establishment of Construction Safety Plan. Inspect the safety aspects of construction and improvement works and methods to ensure that every reasonable measure has been taken to protect life and property. The Consultant shall recommend for the Client's approval for the contractor's plan for traffic management and traffic safety during construction.

xiii. Arrange for the provision of specialist staff as and when appropriate to ensure the smooth progress of work without interruption.

xiv. Advise the Project Director on Co-ordination with the relevant authorities for all matters related to the smooth operation of the project in conjunction with planning, land acquisition, traffic flow during and after completion of the project, services and safety, dust and noise control in the project area.

xv. Review the Bridge Health Monitoring System (BHMS) submitted by the Contractor and ensure proper execution of the BHMS as per the instructions of the Engineer.

xvi. Arrange, administer and document site meetings may be necessary for the proper execution of the works with minimum of one formal site meeting per month to be attended by the Project Director and the contractor in addition to representatives of other authorities involved in the project.

xvii. Maintain all necessary records, books, diaries and other site and project records including all correspondence and accounts;

xviii. Prepare progress reports, as set out in this ToR in a format acceptable to the client;

xix. Verify Contractor application for payments and prepare interim and other measurements and valuation certificates of works completed as stipulated in the construction contract;

xx. Advise the Project Director on the interpretation of the contract Documents including claims by contractor, time extensions, extra payments and the contractor's compliance with the documents, and assist in the analysis and negotiation of contractors claims for the settlement of the issues;

xxi. Carry out all obligations provided for the Engineer in the Civil Works contracts. In the event of contractual dispute which may result in legal action, adjudication or arbitration between the contractor and the employer, and on the instruction, shall collate and prepare factual documentation which describes the circumstances of the dispute, and if required the Consultants would attend hearings.

xxii. Verify and recommend for approval of contractor's As-Built drawing and Operation & Maintenance manuals, which should be available prior to preliminary hand-over of the project;

xxiii. Arrange preliminary hand-over procedures and the preparation of final certificates in accordance with the terms and condition of contract between the client and the contractor/s;

xxiv. To assist the Employer in all matters relating to the obligations of the Contractor to provide insurance, by reviewing insurance policies, confirming payment of premiums and assisting the Employer in the processing of insurance claims;

xxv. Advise and provide to the Client any relevant information, documentation and records on delays, undertake delay analysis including the implication of delays on costs and program, and calculate delay damages.

xxvi. Review and finalize the Operation and Maintenance Manual prepared by the Contractor.

xxvii. Upon receipt of a request from the Contractor for a Taking-Over Certificate, follow the procedures by either issuing the Taking-Over Certificate together with a list of known defects to be corrected or rejecting the application with reasons; and

xxviii. Assist the Employer during defect liability period.

xxix. Perform all other items of work not specifically mentioned above but which are necessary and essential to successfully supervise and control the construction activities in accordance with the plans, specifications and terms of contract. The Consultant's responsibility for the works shall continue until the Certificate of Completion has been issued by Project Director.

5.3 Monitoring the Implementation of Environmental, Social Safeguard Program and Occupational Health and Safety Plan

The consultant shall conduct two types of monitoring:

a) Monitoring of ESHS during construction.

b) Monitoring the implementation of the project RP.

(a) Monitoring of ESHS during construction

i. Implement the monitoring plan defined in the EMP and conduct regular monitoring of the compliance related to ESHS and labor issues.

ii. Supervise the contractor in engaging a certified laboratory to monitor air quality, water quality and noise on a periodical basis, as defined in the project EMP, at pre-construction phase and during construction phase;

iii. Conduct daily compliance monitoring to assess the performance of contractors in accordance with the project EMP and C-ESMP;

iv. Monitor the effectiveness of EMP and negative impacts on the environment caused by construction works and provide technical advice so that the contractor can improve the situation when required;

v. In case of unexpected environmental impacts, coordinate with the PIU to recommend necessary remedial/mitigation measures; Assist RHD in capacity building of RHD staff on environmental management through arranging workshops/on-the-job training on environmental assessment techniques, mitigation measure planning, supervision and monitoring and reporting;

vi. Monitor, facilitate and in some instances implement other social and gender related activities, including the HIV/AIDS, human trafficking and road safety awareness campaign to the communities along the corridor and labor;

vii. In case of unexpected environmental impacts, coordinate with the Project Director to recommend necessary mitigation measures;

viii. Incorporate ESHS inputs into the Monthly Project Progress Reports and Quarterly Project Progress Reports; document the E&S supervision and regularly report to the PIU regarding ESMP implementation including GRM;

ix. Prepare bi-annual E&S Monitoring Report to be approved by PIU;

x. Prepare Completion E&S Monitoring Report.

xi. Assist PIU for renewing Environmental clearances from DoE.

(b) Monitoring of RP implementation

i. Consultant will support RP implementing agency to establish Monitoring and Evaluation (M&E) system to serve as a tool for monitoring and evaluation of the resettlement program for timely and accurate delivery of entitlements.

ii. Ensure achievement of targets within schedule, the members of the CSCs team will assist the PIU to get feedback from the target population and the field operatives to devise corrective measures to ensure achievement of targets within schedule. Through CSC's monitoring role, it will enhance the delivery capacity of the RHD in terms of compensation payment, relocation, RP implementation and maximize benefits of RP to the affected persons and beneficiaries including host communities.

iii. Monitor Land Acquisition (LA) and compensation activities being undertaken by the RP implementing agency with the support of PIU and report on the result in the monthly and quarterly progress reports;

iv. Assist the engineer in facilitating stakeholder's participation (including focus group discussions for vulnerable PAPs) and providing feedback on their comments on RP;

v. Monitor report and provide guidance on the implementation of the Resettlement Plan (RP) to ensure compliance with the policy provided by the Employer on involuntary resettlement; prepare updates and addendum to the RP whenever necessary; participate as required in the grievance redress mechanism;

vi. Assist the PIU and RP implementing agency in ensuring that PAPs are fully aware of the grievance redress procedure and the process of bringing and investigating their complaints and recommend actions to settle them amicably and transparently before they go to the grievance redress committee;

vii. Provide technical services with the grievance redress committee for keeping and updating records when necessary;

viii. Monitor the status of the contractor's compliance with HIV/AIDS provisions, labor laws, international core labor standards (i.e. prohibition of child and forced labor), and

the employment of the poor and affected persons and in particular women in the civil works contracts; all the labors are trained on CoC.

ix. Monitor, facilitate and in some instances implement other social and gender related activities, including the HIV/AIDS, human trafficking and road safety awareness campaign to the communities along the corridor and labor;

x. Prepare bi-annual RP Implementation Monitoring Report to be approved by PIU;

xi. Prepare Completion Report of RP Implementation.

5.4 Defects Liability Period (DLP)

i. The Consultant shall be responsible for, but not limited to, the following tasks and duties during Defect Liability Period after substantial completion of the project:

   a) Provision of periodic or continuous inspection services;

   b) Arrangement of remedial work as required;

   c) Preparation of all necessary close-out documentation such as Project Completion Report (PCR) etc;

   d) Assist with negotiations to settle final account;

   e) Inspection of defects and control of punch-lists;

   f) Preparation of defect liability certificate.

ii. The Consultant shall secure the insurance to cover the design failure during the above defect liability period.

6. Toll-Related Activities

The Consultant shall review the toll collection system and other facilities as designed and constructed by the Contractor and advise the Employer on the appropriate toll-system including ETC.

7. Operation and Maintenance (O&M)

The Consultant will assist RHD in the management & the coordination of the taking over and successful start of Operation and Maintenance of the project by the way of:

i. Reviewing and recommending operation and maintenance manuals of the bridge with approach road submitted by the Contractor.

ii. Establishing and defining an overall operation and maintenance program by the Contractor.

iii. Reviewing as-built drawings prepared by the Contractor,

iv. Preparing a training program in consultation with RHD for RHD and other concerned officials regarding O&M activities of the Extradosed Bridge, Bridge Health Monitoring System and operation of the tolling system.

8. Beautification Work

Beautification of the Bridge and Approach Road-Consultants are to supervise the beautification work of the Bridge and Approach Road. They may propose and modify the beautification plan for further improvement under the contract provision.

9. Seminars and Workshops

The Consultant shall organize and facilitate local seminars and workshops as part of their responsibilities. The purpose of these seminars and workshops is to enhance the knowledge, skills, and coordination of project stakeholders. The topics, frequency, and duration of such events shall be mutually agreed upon by the Consultant and the Client, ensuring alignment with project objectives. The Consultant shall make reasonable efforts to engage qualified speakers and experts to contribute to the effectiveness of these educational sessions. All associated costs related to organizing these seminars and workshops, including venue arrangements and materials, shall be subject to prior approval by the Client. At least Six (3 in each bridge) such a local workshop/seminar shall be arranged by the consultant.

10. Reporting

Consultants shall be required to submit reports on the services included in this assignment for the purpose of recording and documenting in detail all the activities carried out at each stage of project implementation and making the necessary recommendations for review, comments and approval by the Employer prior to launching the subsequent stage. The consultant provides a monthly progress report and completion report at the end of the project completion.

Category	Type of Deliverables	Timing	No of copies
Phase I: Proof Checking	Report on Basic Design	15 days within the date of receiving the documents from the Contractor.	5*2=10
	Design Check of Foundation and Sub-structures for Main Bridges and Viaducts	75 days.	5*2=10
	Design Check of Super-structures	65 days	5*2=10
	Design Check of other Components of the Work	15 days.	5*2=10
	Final Design Report	10 days	5*2=10
Phase II: Project	Inception Report	Within 1 month of commencement	5*1=5

Category	Type of Deliverables	Timing	No of copies
Implementation Phase	Progress Report (Monthly)	Every month (4 copies)	192*1=192
	Quarterly Progress Report	Every 3 Month (4 copies per package)	64*1=64
	Project Completion Report	At the end of Services	20*1=20
Other Report	Reporting	As required or upon request	TBD

11. Facilities Provided by the Client

i. The Roads and Highways Department will provide the Consultant, if necessary, with available information, data and reports relating to the services. The consultant shall be responsible, however, for the analysis and interpretation of the data received for his conclusion and recommendations. The responsibility for the correctness of the said data shall rest with the Consultant. All the above information, data and reports shall be treated as confidential.

ii. Basic design drawings for structures of all components which are subject for checking (main bridge, approaching structures etc.)

iii. Basic design report (at least states all design codes, design criteria, methodology etc.) and all relevant correspondences/data which have been collected from or agreed with the Client and relevant government authorities relating to designing of the bridge.

iv. All necessary survey reports (Geotechnical, Topographical, Hydrological) and any other relevant report that are considered necessary.

v. The Client shall provide the consultant with necessary physical facilities on site such as: testing and laboratory equipment, survey equipment etc. These facilities are to be provided through the construction contracts.

vi. Assist to the Expatriate personnel with multi-entry and exit visas as needed for their stay in Bangladesh.

Further, The Client through civil works Contracts will provide the Consultant with the following:

(i) Fully functional Project Office space at Durgapur. The office will be equipped with all the required facilities (Communication, computer consumable, furniture, maintenance, utilities, service facilities, round the clock security etc.)

(ii) Residential Accommodation with all necessary amenities (Furniture, utilities, service facilities, cook/housekeeper, communications, entertainment facilities, round the clock security etc.) for all the site-based staff [International and National].

(iii) All required items such as communication, office equipment [Laptop, Computer, Printers, CAD Computer, Generator etc.] stationery and computer consumables and others for Consultant's office at Durgapur.

(iv) Sufficient transport vehicle, in good condition, with necessary insurances, fuel, driver, operation and maintenance.

(v) Security for the field team during site inspection and time to time security advisories to the Expatriates.

However, the above facilities through civil works Contracts will be available based on the Contractor's readiness at site. The Consultant need to arrange their own facilities and necessary arrangement until the Contractor's facilities are unavailable.

12. Period of Service

The scope of civil works will normally involve the following proposed implementation schedule:

Key Activities	Date	Duration in Months
Commencement of Civil works	October 2027 (tentative)	36 months
End of Civil works	September 2030	
Defects Liability (Notification) Period	October 2030 to September 2031	12 months
End of Consulting Services	September 2031	-

Summary:

(i) Proof checking	6 months
(ii) Construction Supervision	42 months

13. Consultant's Inputs

The assignment will be carried out over a period of Forty-eight (48) months from the date of commencement. The assignment will be implemented by a consulting firm. It is anticipated that about 154 person-months of input by international consultants and 564 person-months by national consultants will be required. An office in Dhaka shall be maintained for communication and coordination purpose with the Employer.

The Consultants will also provide support staff and other resources necessary to undertake the assignment. Consultants are to base their proposals on the inputs which are for all components of the assignment. Staff Classification and man-month inputs are to be adopted without significant change from the list given below.

Phase I: Proof Checking

a) Key Expert: International

SL No	Designation	Nos	Person-month	Relevant Experience and Qualification
KE-01	Team Leader	1	6	• Bachelor's degree in civil engineering, master's degree in relevant field is preferred. • Minimum 25 years of professional experience • Minimum 20 years' experience in planning, design of bridge/road-bridge projects • Minimum 10 years' experience as Team leader/Leading position in similar bridge/road-bridge projects. • Experience in long span bridges (more than 100m span) is essential. • Professional membership of international civil engineering societies preferred • At least 5 years of work experience outside of home country. • Working experience with MDBs' funded projects is essential.
KE-02	Sr. Bridge Design Specialist	2	12	• Bachelor's degree in civil engineering, master's degree in relevant field is preferred. • Minimum 20 years of professional experience • Minimum 15 years' experience in design bridge projects • Minimum 5 years of experience as bridge engineer in similar long span bridge (more than 100m span) projects • Experience of minimum 02 (Two) Extradosed Cable-Stayed bridge with minimum span of 140m • Professional membership of international civil engineering societies preferred

SL No	Designation	Nos	Person-month	Relevant Experience and Qualification
				• At least 3 years of work experience outside of home country.
KE-03	Sr. Foundation/ Geotechnical Engineer Specialist	1	4	• Bachelor's degree in Civil/Geotechnical engineering, post-graduate degree preferred. • Minimum 15 years of professional experience • Minimum 10 years of experience in foundation design and geotechnical engineering. • Minimum 5 years of experience as Geotechnical engineer/expert involved in highways and long bridge (more than 100m span) projects • At least 3 years of work experience outside of home country.
Sub-Total a) Key Expert: International		**4**	**22**	

b) National Experts

SL No	Designation	Nos	Person-month	Relevant Experience and Qualification
KE-01	Geotechnical / Foundation Engineer	1	6	• Bachelor's degree in Civil/Geotechnical engineering • Minimum 10 years of professional experience • Minimum 5 years of experience in foundation design and geotechnical engineering • Minimum 5 years of experience as Geotechnical engineer/expert involved in highways and bridge projects
KE-02	Hydraulic / River Training Engineer	1	4	• Bachelor's degree in civil engineering/water resource engineering • Minimum 10 years of professional experience in related field

SL No	Designation	Nos	Person-month	Relevant Experience and Qualification
				• Minimum 5 years of design experience in hydraulic / River training, and protective works in similar bridge/highway project
KE-03	Bridge Engineer	2	8	• Bachelor's degree in civil engineering • Minimum 15 years of professional experience • Minimum 10 years' experience in bridge design & construction supervision of bridge projects. • Professional membership of civil engineering societies preferred
KE-04	Structural Design Engineer	1	5	• Bachelor's degree in civil engineering • Minimum 15 years of professional experience • Minimum 10 years' experience in bridge design & construction supervision of bridge projects. • Experience in structural design related software. • Professional membership of civil engineering societies preferred
KE-05	Highway Design Engineer	1	4	• Bachelor's degree in civil engineering • Minimum 15 years of professional experience • Minimum 10 years of design experience in highway design and maintenance. • At least 5 MDB funded Project Experience in infrastructure development.
NKE-01	Electrical Engineer	1	4	• Bachelor's degree in electrical engineering or equivalent • Minimum 10 years of professional experience in related field. • Minimum 5 years of experience in design and supervision of electrical works in projects.
Sub-Total (Key Expert: National)		**6**	**27**	
Sub-Total (Non-Key Expert: National)		**1**	**4**	
Total b) National Experts		**7**	**31**	

c) Office Support Staff

SL No	Position	Nos.	Person-month	Relevant Experience and Qualification
01	Office Manager / Accountant	1	6	• Graduation in relevant discipline • Preferably 5 years' experience in similar capacity in large infrastructure projects
02	CAD Operator	2	6*2=12	• Bachelor/Diploma Engineer in civil engineering • Preferably 5 years' experience in Auto Cad drawing in connection civil structure
03	Computer Operator	3	6*3=18	• Graduation in relevant discipline • Preferably 5 years' experience in similar capacity in large infrastructure projects
04	Office Assistant	4	6*4=24	• SSC or equivalent • Preferably 2 years' experience in similar work
Total c) Office Support Staff:		**10**	**60**	

Phase II: Civil Works Supervision

a) Key Expert: International

SL No	Designation	Nos	Person-month	Relevant Experience and Qualification
KE-01	Team Leader	1	42	• Bachelor's degree in civil engineering, master's degree in relevant field is preferred. • Minimum 25 years of professional experience • Minimum 20 years' experience in planning, design, construction supervision of bridge/highways projects • Minimum 10 years' experience as Team leader/Leading position in similar bridge construction projects • Experience in preparation and management of contract under FIDIC Condition of Contract is mandatory.

SL No	Designation	Nos	Person-month	Relevant Experience and Qualification
				• Experience in long span bridges (more than 100m span) is essential. • At least 3 MDB funded Project Experience in infrastructure development. • At least 5 years of work experience outside of home country.
KE-02	Senior Bridge Engineer	1	30*1=30	• Bachelor's degree in civil engineering, master's degree in relevant field is preferred. • Minimum 20 years of professional experience • Minimum 15 years' experience in design & construction supervision of bridge/road-bridge projects • Experience of minimum 01 (One) Extradosed bridge with minimum span of 100m • At least 3 MDB funded Project Experience in similar sector. • At least 3 years of work experience outside of home country.
KE-03	Senior Foundation Engineer	1	24	• Bachelor's degree in Civil/Geotechnical engineering, master's degree in relevant field is preferred. • Minimum 10 years of professional experience • Minimum 5 years of experience in foundation design and geotechnical engineering in bridge/road-bridge projects • At least 3 years of work experience outside of home country.
KE-04	Senior Material & Quality Control Expert	1	36	• Bachelor's degree in civil or material engineering, master's degree in relevant field is preferred • Minimum 20 years of professional experience

SL No	Designation	Nos	Person-month	Relevant Experience and Qualification
				• Minimum 15 years of similar experience in similar kind and size of bridge/road-bridge project • At least 3 MDB funded Project Experience in similar sector. • At least 3 years of work experience outside of home country.
Total a) Key Expert: International		**4**	**132**	

b) National Expert:

SL No	Designation	Nos	Person-month	Relevant Experience and Qualification
KE-04	Deputy Team Leader (Senior Highway Engineer)	1	36	• Bachelor's degree in civil engineering, master's degree in relevant field is preferred. • Minimum 20 years of professional experience • Minimum 15 years' experience in planning, design, construction supervision of highway and bridge projects • Minimum 10 years' experience as Team Leader/Deputy Team leader/Highway Engineer in similar bridge/highway projects • Experience with FIDIC Condition of Contract is mandatory. • At least 5 MDB funded Project Experience in infrastructure development.
NKE-01	Hydraulic / River Training Engineer	1	12	• Minimum 15 years of professional experience in related field • Minimum 10 years of experience as Environmental Engineer/specialist for similar bridge/road projects.

SL No	Designation	Nos	Person-month	Relevant Experience and Qualification
				• Must have good knowledge in EMP, EIA, ESIA etc.
NKE-02	Electrical Engineer	1	12	• Bachelor's degree in electrical engineering or equivalent • Minimum 10 years of professional experience in related field. • Minimum 5 years of experience in design and supervision of electrical works in similar projects.
NKE-03	Social Safeguard / Resettlement Specialist	1	24	• Bachelor's degree in any discipline • Minimum 15 years of professional experience in related field. • Minimum 10 years of experience related to social impact, social activities, safeguard, resettlement in similar road / bridge projects
NKE-04	Quantity Surveyors	2	36*2=72	• Bachelor's degree in civil engineering. • Minimum 10 years of professional experience in related field • Minimum 5 years in quantity survey, cost estimate and BOQ preparation of road and bridge
KE-11	Resident Engineer	2	40*2=80	• Bachelor's degree in civil engineering. • Minimum 20 years of professional experience • Minimum 15 years of professional experience in bridge/highway projects • Minimum 5 years of experience in bridge construction projects. • At least 3 Project Experience as Resident Engineer in similar sector.
NKE-05	Material & Quality Control Expert	2	36*2=72	• Bachelor's degree in civil or material engineering • Minimum 15 years of professional experience

SL No	Designation	Nos	Person-month	Relevant Experience and Qualification
				• Minimum 10 years of similar experience in similar kind and size of road/bridge project
NKE-06	Geotechnical / Foundation Engineer	1	18	• Bachelor's degree in civil/Geotechnical engineering • Minimum 15 years of professional experience • Minimum 10 years of experience in foundation design and geotechnical engineering in highways and bridge projects
NKE-07	Highway Engineer	1	18	• Bachelor's degree in civil engineering • Minimum 12 years of professional experience • Minimum 10 years of design experience in highway design and maintenance. • At least 5 MDB funded Project Experience in infrastructure development.
NKE-08	Pavement Engineer	1	9	• Bachelor's degree in civil engineering, • Minimum 15 years of professional experience • Minimum 12 years of experience in pavement design/construction and maintenance
KE-09	Senior Contract Specialist	1	18	• Bachelor's degree in civil engineering/finance/law, Master’s degree preferred. • Minimum 20 years of professional experience in related field. • Minimum 15 years' experience in preparation/management of construction contracts and procurement for international bidding in highway/bridge projects • Must have Experience in infrastructure projects financed by multilateral/bilateral development banks.

SL No	Designation	Nos	Person-month	Relevant Experience and Qualification
				• Experience in preparation and management of contract under FIDIC Condition of Contract is mandatory.
NKE-09	Contract Specialist	1	36	• Bachelor's degree in civil engineering/finance/law • Minimum 15 years of professional experience in related field. • Minimum 10 years' experience in preparation/management of construction contracts and procurement for international bidding in highway/bridge project • Must have Experience in infrastructure projects financed by multilateral/bilateral development banks. • Experience in preparation and management of contract under FIDIC Condition of Contract is mandatory.
NKE-10	Environment/Climate Resilient Engineer	1	18	• Bachelor's degree in civil/environmental engineering. • Must have experience of 2 similar projects.
NKE-11	Health and Safety (HS) Expert	1	36	• Bachelor's degree in Engineering or equivalent • Minimum 10 years of professional experience • Minimum 7 years' experience in occupational health and safety field in infrastructure development project
NKE-12	Bridge Engineer	2	30*2=60	• Bachelor's degree in civil engineering, master's degree in relevant field preferred. • Minimum 15 years of professional experience • Minimum 10 years' experience in bridge construction supervision of bridge/road-bridge projects

SL No	Designation	Nos	Person-month	Relevant Experience and Qualification
NKE-13	Architect	1	12	• Bachelor's degree in Architecture • Minimum 10 years of professional experience • Minimum 5 years' experience in landscaping
Sub-Total (Key Expert: National)		**04**	**134**	
Sub-Total (Non-Key Expert: National)		**16**	**399**	
Total b) National Expert		**20**	**533**	

c) Office Support Staff

SL No	Position	Nos.	Person-month	Relevant Experience and Qualification
01	Junior Engineer	6	36*6=216	• Bachelor's degree in civil engineering
02	Site Supervisor	6	36*6=216	• Diploma Engineer in civil engineering • Preferably 5 years' experience in similar capacity in large infrastructure projects
03	Office Manager / Accountant	2	42*2=84	• Graduation in relevant discipline • Preferably 5 years' experience in similar capacity in large infrastructure projects
04	CAD Operator	2	36*2=72	• Bachelor/Diploma Engineer in civil engineering • Preferably 5 years' experience in Auto Cad drawing in connection civil structure
05	Surveyor (Topographic)	2	36*2=72	• Diploma in relevant discipline • Preferably 5 years' experience in similar work
06	Survey Assistant	2	36*2=72	• SSC or equivalent • Preferably 2 years' experience in similar work

SL No	Position	Nos.	Person-month	Relevant Experience and Qualification
07	Computer Operator	4	42*4=168	• Graduation in relevant discipline • Preferably 5 years' experience in similar capacity in large infrastructure projects
08	Laboratory Technician	2	36*2=72	• Graduation/Diploma in relevant discipline • Preferably 10 years' experience in similar capacity in large infrastructure projects
09	Assistant Laboratory Technician	4	36*4=144	• HSC or equivalent • Preferably 3 years' experience in similar capacity in large infrastructure projects
10	Office Assistant	12	42*12=504	• SSC or equivalent • Preferably 2 years' experience in similar work
Total c) Office Support Staff:		**42**	**1620**	

Note:

- KE- Key Experts (National & International) shall be evaluated for technical scoring of the Consulting Firms and will not be evaluated at the shortlisting stage.
- NKE- Non-Key Experts shall be evaluated for minimum requirement compliances.
- The Team Leader position must be proposed from the Lead Firm.