

Bridge Sector

Sl. No.	Name of Project	Client	Period of Execution	Total value of the services (Contract Value)	Size & Type	Type of Service rendered by your firm
1.	Consultancy Services for Detailed Structural Design of Seventy-Five Bridges of more than 100m in Length under Different Locations in Eight Divisions, under Feasibility Study for Important Bridge Construction on Rural Roads Project (2nd Phase). (Package No.: FS/24-25/BSD-1).	LGED	Start Date: June 2025 Completion Date: Ongoing	Tk. 3,98,10,000.00	The 75 bridge sites are located in 8 Divisions, 22 Districts and 44 Upazilas in the northeast, far and near northwest, southwest and central southeast regions.	<p>The consultancy for the "Feasibility Study for Important Bridge Construction on Rural Roads Project (2nd Phase)" encompasses the complete process of designing 75 long-span bridges across navigational routes in Bangladesh, ensuring the structures meet safety, navigational, and environmental requirements. The services are structured as follows:</p> <ol style="list-style-type: none"> Site Investigation & Preliminary Design The consultant will conduct a detailed site investigation that includes topographical surveys, geotechnical analysis, and hydrological studies. This will ensure an accurate understanding of the river behavior, erosion trends, and soil conditions. The investigation will also identify any obstacles such as religious structures or homesteads that could affect the bridge layout. A site analysis report will be submitted to the client, suggesting the most suitable locations, alignments, and orientations for the bridges. Preliminary Structural System Options Based on the site investigation and analysis, the consultant will propose at least two structural system options for each bridge. These options will be evaluated for their structural integrity, cost-efficiency, and construction feasibility. A presentation will be organized at LGED HQ for final approval of the best structural system, considering factors like safety and budget. Structural Design Analysis The consultant will perform a comprehensive structural analysis using both elastic and inelastic methods, depending on the complexity of each bridge. Design considerations will include live and dead loads, seismic impacts, wave and water pressure, and ship impact forces. Advanced engineering software will be used to conduct detailed calculations and simulations to ensure the structural soundness of the bridges. Detailed Structural Design & Drawings Once the preferred structural system is finalized, the consultant will prepare a detailed structural design for each bridge. This will include precise structural calculations, engineering

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						<p>drawings, and construction specifications. The design will adhere to international standards like AASHTO LRFD and BNBC, focusing on aspects such as pile foundations, pre-stressed I-girders, bridge dimensions, and hydro-morphology.</p> <p>The final design will include:</p> <ul style="list-style-type: none"> • Detailed layout plans, elevations, cross-sections, and pier details. • Reinforcement requirements for the deck slab, abutments, piles, and piers. • Specifications for river training or protective works, if required. <p>5. Final Approval and Submission After preparing the detailed design and drawings, the consultant will submit them for client approval. The client will review the submissions and provide feedback, after which the final detailed structural drawings will be prepared for construction.</p> <p>In essence, the consultant will handle all the critical phases from site investigation and design analysis to the preparation of final engineering drawings, ensuring the proposed bridges meet all functional, environmental, and regulatory standards while maintaining safety and cost-efficiency.</p>
2.	Program for Supporting Rural Bridges (SupRB): Consultant for Region (Survey & Supervision Consultant) (Sylhet Division). Proposal Package No: SupRB/2018-19/SD 17-1	LGED	Start Date: July 2023 Completion Date: Ongoing	Tk. 154.05 Lacs	The program Components include Major and minor maintenance of 85,000 meters of bridges, rehabilitation of 24,000 meters of bridges, Capacity Expansion (Widened) of 5000 meters of rural bridges, replacement or newly construction	The Consultant will carry out the following main tasks but not necessarily be limited to: <ul style="list-style-type: none"> • Conducting necessary engineering surveys and investigation including subsoil investigation, hydrological and morphological study, if required for preparation of detailed engineering report with coordination of LGED officials; • Providing engineering support in designing various components (including road safety) required for execution of the project, based on surveys and investigations and detailed engineering drawings. The design and drawings shall be prepared based on standards of LGED and awareness of latest international practice in rural bridge design, including software and formats to be adopted by LGED;

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					of 20,000 meters of bridges	<ul style="list-style-type: none"> • Assisting in reviewing and checking of engineer's estimates with remedial measures overcoming the environmental & social risks as per approved guidelines under the project; • Assisting the PMU and LGED officials & consultants at field level in preparing for devising a suitable & appropriate Asset Management System of road, bridge & buildings through field inspection for use by the LGED; • Assisting the PMU and LGED officials & consultants at field level in preparing and implementing project activities, including planning, scheduling, procuring works, goods and services, setting methodologies, and training LGED staff for sustainable operations and maintenance of improved infrastructure, as well as quality control at all stages; • Assisting the PMU and LGED officials & consultants at field level in planning, monitoring, reporting and managing finances, including project framework techniques for planning, training and financial monitoring during project implementation; • Supporting in field supervision of civil works, developing and implementing procedures for regular on-site checking, quality control, testing and monitoring of works execution; • Assisting and advising the PMU and LGED officials & consultants at field level in administration of contracts; • Assisting to develop procedures for laboratory and field tests for materials quality control in consultation with Regional Quality Control Engineer; • Assisting the PMU in planning and implementing land donation scheme, where applicable, and reporting and documenting such; identifying and reporting adverse environmental and social impacts by carrying out initial environmental examination and initial social assessment for the subproject, recommending modifying designs and practices to avoid land acquisition and mitigate the impacts of environmental & social risks as per ESMF provisions; • Preparing monthly, quarterly and final reports including the draft project completion report that include a section on safeguards monitoring; and preparing semi-annual safeguards monitoring

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						<p>reports;</p> <ul style="list-style-type: none"> Assisting the PMU and LGED officials & consultants at field level in updating the monitoring system through smartphone-based inspection application; Assisting the PMU in planning and implementing a training program including developing training manuals, preparing a training budget, and preparing training reports; Assisting the PMU and regional Superintending Engineer in organizing review meetings of the project; Preparing a Final Evaluation Report on the operation of the Project; Assisting the PMU in undertaking traffic survey, developing economic profile, undertaking economic and financial evaluation and all tasks related to a study of transport economics under the project; Assisting the PMU in implementing the gender action plan and the grievance redress system including compliance monitoring; and preparing all social and gender related reports and other technical report as necessary; <p>For smooth implementation of the project, the Consultant is expected to perform any additional tasks/duties identified and assigned by the PD.</p>
3.	Program for Supporting Rural Bridges (SupRB): Consultant for Region (Survey & Supervision Consultant) (Mymensingh Division). Proposal Package No: SupRB/2018-19/SD 18-1	LGED	Start Date: July 2023 Completion Date: Ongoing	Tk. 129.36 Lacs	The program Components include Major and minor maintenance of 85,000 meters of bridges, rehabilitation of 24,000 meters of bridges, Capacity Expansion (Widened) of 5000 meters of rural bridges, replacement or newly construction of 20,000 meters of bridges	<p>The Consultant will carry out the following main tasks but not necessarily be limited to:</p> <ul style="list-style-type: none"> Conducting necessary engineering surveys and investigation including subsoil investigation, hydrological and morphological study, if required for preparation of detailed engineering report with coordination of LGED officials; Providing engineering support in designing various components (including road safety) required for execution of the project, based on surveys and investigations and detailed engineering drawings. The design and drawings shall be prepared based on standards of LGED and awareness of latest international practice in rural bridge design, including software and formats to be adopted by LGED; Assisting in reviewing and checking of engineer's estimates with remedial measures overcoming the environmental & social risks as per approved guidelines under the project;

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						<ul style="list-style-type: none"> • Assisting the PMU and LGED officials & consultants at field level in preparing for devising a suitable & appropriate Asset Management System of road, bridge & buildings through field inspection for use by the LGED; • Assisting the PMU and LGED officials & consultants at field level in preparing and implementing project activities, including planning, scheduling, procuring works, goods and services, setting methodologies, and training LGED staff for sustainable operations and maintenance of improved infrastructure, as well as quality control at all stages; • Assisting the PMU and LGED officials & consultants at field level in planning, monitoring, reporting and managing finances, including project framework techniques for planning, training and financial monitoring during project implementation; • Supporting in field supervision of civil works, developing and implementing procedures for regular on-site checking, quality control, testing and monitoring of works execution; • Assisting and advising the PMU and LGED officials & consultants at field level in administration of contracts; • Assisting to develop procedures for laboratory and field tests for materials quality control in consultation with Regional Quality Control Engineer; • Assisting the PMU in planning and implementing land donation scheme, where applicable, and reporting and documenting such; identifying and reporting adverse environmental and social impacts by carrying out initial environmental examination and initial social assessment for the subproject, recommending modifying designs and practices to avoid land acquisition and mitigate the impacts of environmental & social risks as per ESMF provisions; • Preparing monthly, quarterly and final reports including the draft project completion report that include a section on safeguards monitoring; and preparing semi-annual safeguards monitoring reports; • Assisting the PMU and LGED officials & consultants at field level in updating the monitoring system through smartphone-based

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						<p>inspection application;</p> <ul style="list-style-type: none"> Assisting the PMU in planning and implementing a training program including developing training manuals, preparing a training budget, and preparing training reports; Assisting the PMU and regional Superintending Engineer in organizing review meetings of the project; Preparing a Final Evaluation Report on the operation of the Project; Assisting the PMU in undertaking traffic survey, developing economic profile, undertaking economic and financial evaluation and all tasks related to a study of transport economics under the project; Assisting the PMU in implementing the gender action plan and the grievance redress system including compliance monitoring; and preparing all social and gender related reports and other technical report as necessary. <p>For smooth implementation of the project, the Consultant is expected to perform any additional tasks/duties identified and assigned by the PD.</p>
4.	Program for Supporting Rural Bridges (SupRB): Consultant for Field (Supervision & Monitoring Consultant) (Mymensingh Division). Proposal Package No: SupRB/2018-19/SD 26-1	LGED	<p>Start Date: July 2023</p> <p>Completion Date: Ongoing</p>	Tk. 344.29 Lacs.	<p>The program Components include Major and minor maintenance of 85,000 meters of bridges, rehabilitation of 24,000 meters of bridges, Capacity Expansion (Widened) of 5000 meters of rural bridges, replacement or newly construction of 20,000 meters of bridges</p>	<p>The Consultant will carry out the following main tasks but not necessarily be limited to:</p> <ul style="list-style-type: none"> With due diligence and efficiency supervise fully the construction of the works which are to be executed in accordance with sound technical administration, financial and economic practices. The consultant shall perform all duties associated with such tasks to ensure that only the best construction practice is followed and that the final product is in all respects equal to that specified, at the most economic costs and is executed in full compliance with the specifications. Check that the contractor follows safe working practices in all operations and immediately draw attention to any instances where this policy is not followed, directing the contractor to carry out all such works deemed necessary in case of emergency/ affecting the safety of personnel, works and adjacent property. Ensure that the minimum impediment is caused to the flow of traffic and that safe acceptable detours are provided and maintained at all times. Organize the supervision of the works contract with proper allocation

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						<p>of responsibilities to individual members of the supervision team and supervise their work in order to ensure that it is effectively executed.</p> <ul style="list-style-type: none"> • Prepare Quality Assurance Plan (QAP) for overall project and structure/scheme specific. • Establish a systematic construction procedure for different civil works set out in the specification following the GoB/Bank's environmental and social safeguards through demonstrating and conducting on the job training to the contractor and LGED officials. They shall also establish procedures for systematic on-site checking and monitoring of quality and quantities of all work items, including field checks to confirm integrity of survey data and bridge/culvert construction. The quality control works may include performing laboratory and field tests. • Ensure that road safety measures are duly performed in accordance with design and specification. Assist client to improve performance and understanding on road safety issues. • Conduct social and environmental screening and prepare all project specific Safeguard documents as set out in the Environmental and Social Management Framework (ESMF). • Carryout comprehensive environmental analysis taking into account of the direct, indirect, induced and cumulative impacts to identify any major environmental conflicts with the selected schemes. Give adequate weight in the selection and design of schemes considering all environmental and associated regulations and guidelines related to the project governing environmental quality, health and safety, protection of sensitive areas, protection of endangered species, land use control etc. as set out in the Environmental Management Framework (EMF). • Submit Quarterly Environmental Monitoring Report (in addition to monthly progress report) mentioning the changes of environmental parameters supported by laboratory tests result as set out in the Environmental Management Framework (EMF). The report shall also quantify and assess the efficacy of the environmental impact mitigation measures and recommendation of the best practices. • Prepare Variation Order (VOs) in light of contract agreement and

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						<p>recommend for approval, if required. In this case proper attention should be paid during design and preparation of BOQ so that the numbers of Variations could be kept minimum. The consultant shall attach a precise technical justification with their recommendation for variation.</p> <ul style="list-style-type: none"> • Check and verify in a regular basis the validity of all insurance/guarantees which the contractor is obliged to have in place. • Approve the Contractor's setting out of the Works and preparation for the Works, prior to issuing approval to construct the Works. • Carry out soils and materials investigations in collaboration with LGED as necessary or advisable to minimize overhaul, to optimize the use of available resources, to enhance economy etc. For all soils and materials proposed and used by the Contractor in the Works conduct all necessary and advisable inspection, sampling, testing and analysis for compliance with the Technical Specifications at source and in the laboratory and approve or reject the use of the soils or materials proposed for or used in the Works. Whenever necessary order removal and substitution of unsatisfactory material and workmanship. • Routinely inspect the Works both under construction and completed, for compliance with the Specifications and the agreed method of working, as a basis for payment. Formally arrange joint inspections with LGED and the Contractor for acceptance and/or identification of defects of the works executed or under construction. • Keep and maintain up-to-date detailed Daily Site order book and detailed records (making them available for inspection by LGED when requested to do so) of all contractual correspondence and data; all work stoppages or delays; accidents on Site; official visitors to Site; weather records; all activities in progress at any time on site showing the start and end time and full details of the resources employed per activity. • Keep and maintain detailed records (and make available for inspection) of the Contractor's equipment on Site and its precise date of arrival or removal from Site, its date of manufacture, previous hours

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						<p>worked and condition, the date commissioned to commence work, its availability, and utilization. Establish equipment availability figures for each category of equipment.</p> <ul style="list-style-type: none"> • Continuously monitor the Contractor's progress against program and his method of working in respect of each and all construction activities and produce a resource analysis against production needs. Advise the Contractor when additional resources or revised methods of working or revised program of the works are deemed to be required. • Review the Contractor's proposed working drawing/plans and associated calculations. Approve or reject the proposals accordingly and identify any changes required. • Assist LGED to review and check the Contractor's Payment Applications through verifying the accuracy of the measurement and costing calculations and the sufficiency of the supporting documentation. Also certify the contractor's eligible payments. Advise LGED on whether liquidated damages are due from the Contractor or not. Also help LGED to prepare and issue final completion certificate. • Thoroughly review and analyze the Contractor's applications for extensions of time (if required) and provide necessary recommendations along with justifications in the light of the Contract Agreement. • Take digital color progress photographs throughout the duration of the Contract, keep and maintain an official photographic record (available for inspection) of monthly progress at set locations and also of any construction activity of technical or contractual interest at any time. Each photograph is to be captioned with: reference number, time, date, precise location, subject, and points of particular note. All digital negative data should be stored on diskette in a record system, together with copies of the captions. • Submit progress reports, special report (to fully acquaint the client with all aspects likely to affect the Technical and Financial implementation of the project), final reports and records, and other hard outputs regarding construction progress and the status of the Works Contract.

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						The consultant shall establish a quality assurance system to ascertain the desired quality standards at all stages of the service. To this end a quality assurance manual needs to be developed at early stages of the service.
5.	Consultancy Services for Detailed Design, Tender Assistance and Project Implementation of Construction of Nalua-Baherchar Bridge over the river Pandab-Paira at 27th km of Barishal (Dinerarpool)-Laxmipasha-Dumki Road (Z-8044).	RHD	Start Date: June 2023 Completion Date: Ongoing	BDT 7,274.60 Lacs US\$ 6.705 Million	Length of Bridge: 1300.00M Detailed Design, Tender Assistance and Project Implementation	<ul style="list-style-type: none"> Reconnaissance Survey, Topographic Survey, Traffic Observation, Geophysical and Soil Investigations, Review of Hydrological and Morphological Investigation, Data Collection, Review of Feasibility study and Preliminary Engineering Design, Final Engineering Design, Detailed Engineering Design. Providing Soft Copies, Quality Assurance Plan, Environmental Management Plan (EMP), Land Acquisition and Resettlement Plan, Project Management Plan. Toll-Related Activities, Operation & Maintenance (O&M), Beautification of the Bridge and Approach Road.
6.	Consultancy Services for Bridge/Culvert Inspection and Data Entry Operation with the Help of Existing Manuals and BMS Software under Barisal Zone and Khulna Zone of Roads and Highways Department (Proposal Package No: SPDC/S/04/2021-2022)	RHD	Start Date: October 2023 Completion Date: Ongoing	BDT 107180000.00	approximately 1125nos. bridges and 4955nos. Culverts.	<p>Scope has been divided into two sub-categories as per TOR. The first sub-category lays out a brief operational outline for conducting Bridge Inspection and Data Entry. The defined activities in this phase can be summarized in the following steps:</p> <ul style="list-style-type: none"> Inspecting and evaluating bridges and culverts of different type and length in order determine remedial actions such as maintenance, repair, rehabilitation, replacement etc. Being well-acquainted with RHD's Bridge Stock, detail inspection and evaluation methodology and RHD approved manuals such as "Bridge Inspection & Evaluation Manual, 2018" and "Bridge Management System (BMS) Manual for Bridge Management Wing, 2018". Bridge Management System (BMS). Conducting detail inspection and assessment to detect common structural distresses that may affect the serviceability of the structure. Roads and Highways Department has defined a range of 26nos. distresses that may appear on a bridge or culvert. Carrying out visual and detail inspection with the help of advanced inspection tools and devices to collect basic data, photographic and

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						<p>videography data that will incorporate under-bridge inspection as well.</p> <ul style="list-style-type: none"> • Finding out the construction year of the bridges and culverts. • Finding out the names of the channels under the bridges and culverts. • Determining the type of the pier and abutment. • Taking accurate data of geolocation of the bridges and culverts including any applicable correction/updating in BMS database. • Conducting regular verification and organization of the collected data including preparation of bridge inventory. • Having consultations with concerned RHD officials to provide the list of bridges and assist in any reconciliation necessary. • Carrying out physical investigation and routine, accurate data entry into the BMS server by expert qualified personnel; following predefined requirements and manuals for approximately 1125nos. bridges and 4955nos. Culverts. • Generating Priority List based on evaluation categories through BMS Software. • Arranging joint overseas training for knowledge enhancement and skill development. • The second sub-category outlines the Upgrading and Maintenance of BMS Software and Database activity. The defined activities in this phase can be summarized in the following steps: • Making the existing BMS software data-entry ready with the assistance of MIS cell of RHD. • Solving issues, fixing bugs and glitches. • Beta testing and adding new features or upgrading software version. • Arranging local server support and integrating it with RHD main server.
7.	Construction Supervision of Construction of Sonahat Bridge over the River Dudhkumar at Bhurungamari – Sonahat Landport Mothergonj-Bhitorbondh-Nageshwari Road.	RHD	Start Date: September 2019	Tk. 362.75 Lacs	The Project Covering (i) 645.015m PC Girder Bridge including 2.32 km approach Road and	<p>Scope of Services</p> <p>Task 1. Construction supervision for RHD</p> <p>1. The Project will be implemented in 2 construction contracts (Main Bridge with approach road works and Computerized Axle load control station):</p>

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			Completion Date: September 2023		an office building cum inspection banglow.	<p>A) Main Bridge with approach road works, Culverts, protective works and Office Building cum Inspection Bunglow</p> <p>B) Computerized Axle load control station, Including & Administrative building.</p> <p>2. The consultant will be responsible for supervising all construction work. The consultant will:</p> <ul style="list-style-type: none"> i) Administration the construction contracts following contract conditions; ii) Ensure that all works comply with the approved engineering designs and technical specifications, agreed schedule and budget, terms and conditions of the contracts standard engineering practice,; iii) Provide general guidance and issue instructions to contractors; iv) Making engineering decision in consultation will the project Director and Project Management Team; v) Advise the Project Director on work progress, quality control and implementation issues, if any; vi) Clarification about the disputed points, anomaly, error or risk that could affect the project objectives and make the appropriate recommendations and/or take the necessary actions to remedy them; <p>3. The consultant will be required to nominate an engineer's representative who will be a full-time resident in the area.</p> <p>4. The supervision consultant will make all necessary measurements and control the quality of works will make all engineering decisions required for the successful and timely implementation of the construction contracts and have the powers defined as those of the engineer with a few exceptions for which the supervision consultant will have to seek prior approval of the Employer. Main tasks include, but not limited to the following:</p> <ul style="list-style-type: none"> i) Ensure that the construction method proposed by the contractor for carrying out the works are satisfactory; ii) Inspect contractor's construction equipment; results of materials and soil tests: safety of the works property and personnel; and schedule of mitigation measures for adverse

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						<p>environmental impacts. Notify contractors to remedy works and materials that fail to comply with specifications;</p> <ul style="list-style-type: none"> iii) Review the design and ensure that the methods of construction are complied with the safety measures; iv) Monitor and supervise (a) progress of contractors works vis-à-vis contract schedule, and (b) progress of contractors' works vis-à-vis applicable technical specifications and design; v) Check that 'as-built' drawing is prepared by the contractors for all works as construction processes; vi) Ensure the road safety design requirements are implemented following the contract specifications; vii) Develop the quality assurance system and quality control plan for provisions of asphalt concrete pavement; viii) Established procedures to verify contractor performance and report progress and problems on time, including quality control reports, quality survey records, request for variation or change orders, and contractor's claims and invoices; ix) Evaluate any proposed changes (e.g. time, scope and cost) by the contractor during the course of the project; x) Review and certify work volume and process interim and final payments of the contractors. Ensure timely submission of contractors' interim payment certificates. xi) Ensure project financial accounting, requests for time extension and contractors' claims and invoices; <p>5. In addition, or as an expansion of the activities and responsibilities required of the engineer under the construction contracts, the consultant will:</p> <ul style="list-style-type: none"> i) Ensure that awareness materials are distributed. ii) Monitor the status of the contractor's compliance with labor laws, employment of the poor particularly women in the civil works contracts; iii) Provide input to social development section of monitoring reports. iv) Prepare and issue the following reports, the format and content of which are to be acceptable to the employer: an inception

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						<p>report, a brief monthly progress report, a detailed quarterly report, a detailed project completion report.</p> <p>6. The supervision consultant will certify and process interim and final payment certificate submitted by the contractors.</p> <p>7. If so required by the employer, the supervision consultant will provide any of the following as addition services: (i) prepare reports including technical appraisals, additional contract documentation and/or review and comment on the contractor's proposals, as may be required for the successful completion of the Project; and (ii) provide any other specialist services as may be required from time to time. The Consultant will arrange tour/seminar/workshop as per the direction of the client.</p>
8.	Program for Supporting Rural Bridges (SurRB): Consultant for Region (Survey & Supervision Consultant) (Sylhet Division). Proposal Package No: SupRB/2018-19/SD 17	LGED	<p>Start Date: October 2019</p> <p>Completion Date: March 2023</p>	Tk. 286.47 Lacs.	The program Components include Major and minor maintenance of 85,000 meters of bridges, rehabilitation of 24,000 meters of bridges, Capacity Expansion (Widened) of 5000 meters of rural bridges, replacement or newly construction of 20,000 meters of bridges	<p>The Consultant will carry out the following main tasks but not necessarily be limited to:</p> <ul style="list-style-type: none"> • Conducting necessary engineering surveys and investigation including subsoil investigation, hydrological and morphological study, if required for preparation of detailed engineering report with coordination of LGED officials; • Providing engineering support in designing various components (including road safety) required for execution of the project, based on surveys and investigations and detailed engineering drawings. The design and drawings shall be prepared based on standards of LGED and awareness of latest international practice in rural bridge design, including software and formats to be adopted by LGED; • Assisting in reviewing and checking of engineer's estimates with remedial measures overcoming the environmental & social risks as per approved guidelines under the project; • Assisting the PMU and LGED officials & consultants at field level in preparing for devising a suitable & appropriate Asset Management System of road, bridge & buildings through field inspection for use by the LGED; • Assisting the PMU and LGED officials & consultants at field level in preparing and implementing project activities, including planning, scheduling, procuring works, goods and services, setting

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						<p>methodologies, and training LGED staff for sustainable operations and maintenance of improved infrastructure, as well as quality control at all stages;</p> <ul style="list-style-type: none"> • Assisting the PMU and LGED officials & consultants at field level in planning, monitoring, reporting and managing finances, including project framework techniques for planning, training and financial monitoring during project implementation; • Supporting in field supervision of civil works, developing and implementing procedures for regular on-site checking, quality control, testing and monitoring of works execution; • Assisting and advising the PMU and LGED officials & consultants at field level in administration of contracts; • Assisting to develop procedures for laboratory and field tests for materials quality control in consultation with Regional Quality Control Engineer; • Assisting the PMU in planning and implementing land donation scheme, where applicable, and reporting and documenting such; identifying and reporting adverse environmental and social impacts by carrying out initial environmental examination and initial social assessment for the subproject, recommending modifying designs and practices to avoid land acquisition and mitigate the impacts of environmental & social risks as per ESMF provisions; • Preparing monthly, quarterly and final reports including the draft project completion report that include a section on safeguards monitoring; and preparing semi-annual safeguards monitoring reports; • Assisting the PMU and LGED officials & consultants at field level in updating the monitoring system through smartphone-based inspection application; • Assisting the PMU in planning and implementing a training program including developing training manuals, preparing a training budget, and preparing training reports; • Assisting the PMU and regional Superintending Engineer in organizing review meetings of the project; • Preparing a Final Evaluation Report on the operation of the Project;

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9.	Program for Supporting Rural Bridges (SurRB): Consultant for Region (Survey & Supervision Consultant) (Mymensingh Division). Proposal Package No: SupRB/2018-19/SD 18	LGED	<p>Start Date: August 2019</p> <p>Completion Date: July 2023</p>	Tk. 255.62 Lacs	<p>The program Components include</p> <p>Major and minor maintenance of 85,000 meters of bridges, rehabilitation of 24,000 meters of bridges, Capacity Expansion (Widened) of 5000 meters of rural bridges, replacement or newly construction of 20,000 meters of bridges</p>	<p>The Consultant will carry out the following main tasks but not necessarily be limited to:</p> <ul style="list-style-type: none"> Conducting necessary engineering surveys and investigation including subsoil investigation, hydrological and morphological study, if required for preparation of detailed engineering report with coordination of LGED officials; Providing engineering support in designing various components (including road safety) required for execution of the project, based on surveys and investigations and detailed engineering drawings. The design and drawings shall be prepared based on standards of LGED and awareness of latest international practice in rural bridge design, including software and formats to be adopted by LGED; Assisting in reviewing and checking of engineer's estimates with remedial measures overcoming the environmental & social risks as per approved guidelines under the project; Assisting the PMU and LGED officials & consultants at field level in preparing for devising a suitable & appropriate Asset Management System of road, bridge & buildings through field inspection for use by the LGED; Assisting the PMU and LGED officials & consultants at field level in preparing and implementing project activities, including planning, scheduling, procuring works, goods and services, setting methodologies, and training LGED staff for sustainable operations and maintenance of improved infrastructure, as well as quality control at all stages;

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						<ul style="list-style-type: none"> • Assisting the PMU and LGED officials & consultants at field level in planning, monitoring, reporting and managing finances, including project framework techniques for planning, training and financial monitoring during project implementation; • Supporting in field supervision of civil works, developing and implementing procedures for regular on-site checking, quality control, testing and monitoring of works execution; • Assisting and advising the PMU and LGED officials & consultants at field level in administration of contracts; • Assisting to develop procedures for laboratory and field tests for materials quality control in consultation with Regional Quality Control Engineer; • Assisting the PMU in planning and implementing land donation scheme, where applicable, and reporting and documenting such; identifying and reporting adverse environmental and social impacts by carrying out initial environmental examination and initial social assessment for the subproject, recommending modifying designs and practices to avoid land acquisition and mitigate the impacts of environmental & social risks as per ESMF provisions; • Preparing monthly, quarterly and final reports including the draft project completion report that include a section on safeguards monitoring; and preparing semi-annual safeguards monitoring reports; • Assisting the PMU and LGED officials & consultants at field level in updating the monitoring system through smartphone-based inspection application; • Assisting the PMU in planning and implementing a training program including developing training manuals, preparing a training budget, and preparing training reports; • Assisting the PMU and regional Superintending Engineer in organizing review meetings of the project; • Preparing a Final Evaluation Report on the operation of the Project; • Assisting the PMU in undertaking traffic survey, developing economic profile, undertaking economic and financial evaluation and all tasks related to a study of transport economics under the project;

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						<ul style="list-style-type: none"> Assisting the PMU in implementing the gender action plan and the grievance redress system including compliance monitoring; and preparing all social and gender related reports and other technical report as necessary. <p>For smooth implementation of the project, the Consultant is expected to perform any additional tasks/duties identified and assigned by the PD.</p>
10.	Program for Supporting Rural Bridges (SurRB): Consultant for Field (Supervision & Monitoring Consultant) (Mymensingh Division). Proposal Package No: SupRB/2018-19/SD 26	LGED	<p>Start Date: October 2019</p> <p>Completion Date: November 2022</p>	Tk. 544.72 Lacs.	<p>The program Components include</p> <p>Major and minor maintenance of 85,000 meters of bridges, rehabilitation of 24,000 meters of bridges, Capacity Expansion (Widened) of 5000 meters of rural bridges, replacement or newly construction of 20,000 meters of bridges</p>	<p>The Consultant will carry out the following main tasks but not necessarily be limited to:</p> <ul style="list-style-type: none"> With due diligence and efficiency supervise fully the construction of the works which are to be executed in accordance with sound technical administration, financial and economic practices. The consultant shall perform all duties associated with such tasks to ensure that only the best construction practice is followed and that the final product is in all respects equal to that specified, at the most economic costs and is executed in full compliance with the specifications. Check that the contractor follows safe working practices in all operations and immediately draw attention to any instances where this policy is not followed, directing the contractor to carry out all such works deemed necessary in case of emergency/ affecting the safety of personnel, works and adjacent property. Ensure that the minimum impediment is caused to the flow of traffic and that safe acceptable detours are provided and maintained at all times. Organize the supervision of the works contract with proper allocation of responsibilities to individual members of the supervision team and supervise their work in order to ensure that it is effectively executed. Prepare Quality Assurance Plan (QAP) for overall project and structure/scheme specific. Establish a systematic construction procedure for different civil works set out in the specification following the GoB/Bank's environmental and social safeguards through demonstrating and conducting on the job training to the contractor and LGED officials. They shall also establish procedures for systematic on-site checking and monitoring of quality and quantities of all work items, including field checks to

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						<p>confirm integrity of survey data and bridge/culvert construction. The quality control works may include performing laboratory and field tests.</p> <ul style="list-style-type: none"> • Ensure that road safety measures are duly performed in accordance with design and specification. Assist client to improve performance and understanding on road safety issues. • Conduct social and environmental screening and prepare all project specific Safeguard documents as set out in the Environmental and Social Management Framework (ESMF). • Carryout comprehensive environmental analysis taking into account of the direct, indirect, induced and cumulative impacts to identify any major environmental conflicts with the selected schemes. Give adequate weight in the selection and design of schemes considering all environmental and associated regulations and guidelines related to the project governing environmental quality, health and safety, protection of sensitive areas, protection of endangered species, land use control etc. as set out in the Environmental Management Framework (EMF). • Submit Quarterly Environmental Monitoring Report (in addition to monthly progress report) mentioning the changes of environmental parameters supported by laboratory tests result as set out in the Environmental Management Framework (EMF). The report shall also quantify and assess the efficacy of the environmental impact mitigation measures and recommendation of the best practices. • Prepare Variation Order (VOs) in light of contract agreement and recommend for approval, if required. In this case proper attention should be paid during design and preparation of BOQ so that the numbers of Variations could be kept minimum. The consultant shall attach a precise technical justification with their recommendation for variation. • Check and verify in a regular basis the validity of all insurance/guarantees which the contractor is obliged to have in place. • Approve the Contractor's setting out of the Works and preparation for the Works, prior to issuing approval to construct the Works.

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						<ul style="list-style-type: none"> • Carry out soils and materials investigations in collaboration with LGED as necessary or advisable to minimize overhaul, to optimize the use of available resources, to enhance economy etc. For all soils and materials proposed and used by the Contractor in the Works conduct all necessary and advisable inspection, sampling, testing and analysis for compliance with the Technical Specifications at source and in the laboratory and approve or reject the use of the soils or materials proposed for or used in the Works. Whenever necessary order removal and substitution of unsatisfactory material and workmanship. • Routinely inspect the Works both under construction and completed, for compliance with the Specifications and the agreed method of working, as a basis for payment. Formally arrange joint inspections with LGED and the Contractor for acceptance and/or identification of defects of the works executed or under construction. • Keep and maintain up-to-date detailed Daily Site order book and detailed records (making them available for inspection by LGED when requested to do so) of all contractual correspondence and data; all work stoppages or delays; accidents on Site; official visitors to Site; weather records; all activities in progress at any time on site showing the start and end time and full details of the resources employed per activity. • Keep and maintain detailed records (and make available for inspection) of the Contractor's equipment on Site and its precise date of arrival or removal from Site, its date of manufacture, previous hours worked and condition, the date commissioned to commence work, its availability, and utilization. Establish equipment availability figures for each category of equipment. • Continuously monitor the Contractor's progress against program and his method of working in respect of each and all construction activities and produce a resource analysis against production needs. Advise the Contractor when additional resources or revised methods of working or revised program of the works are deemed to be required. • Review the Contractor's proposed working drawing/plans and associated calculations. Approve or reject the proposals accordingly

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						<p>and identify any changes required.</p> <ul style="list-style-type: none"> Assist LGED to review and check the Contractor's Payment Applications through verifying the accuracy of the measurement and costing calculations and the sufficiency of the supporting documentation. Also certify the contractor's eligible payments. Advise LGED on whether liquidated damages are due from the Contractor or not. Also help LGED to prepare and issue final completion certificate. Thoroughly review and analyze the Contractor's applications for extensions of time (if required) and provide necessary recommendations along with justifications in the light of the Contract Agreement. Take digital color progress photographs throughout the duration of the Contract, keep and maintain an official photographic record (available for inspection) of monthly progress at set locations and also of any construction activity of technical or contractual interest at any time. Each photograph is to be captioned with: reference number, time, date, precise location, subject, and points of particular note. All digital negative data should be stored on diskette in a record system, together with copies of the captions. Submit progress reports, special report (to fully acquaint the client with all aspects likely to affect the Technical and Financial implementation of the project), final reports and records, and other hard outputs regarding construction progress and the status of the Works Contract. <p>The consultant shall establish a quality assurance system to ascertain the desired quality standards at all stages of the service. To this end a quality assurance manual needs to be developed at early stages of the service.</p>
11.	Design Review, Tender Documentation and Construction Supervision for Construction of Shitalakhya Bridge (1234.50m) Project (3rd Shitalakhya Bridge Construction Project at Bandar Upazilla, Narayanganj), And 72 Km Road, Bangladesh (Saudi Development Fund)	RHD	Contract Date: February 2014 Start Date: March 2014 Completion Date: July 2023	Tk. 2.2 million	1234.50m (Box Girder Bridge)	<p>A. INCEPTION OF THE PROJECT</p> <ul style="list-style-type: none"> Project Initiation Mobilisation Of The Team Establishment Of Office Site Reconnaissance Visit Discussions With RHD Officials

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						<p>B. ASSISTANCE IN PRECONSTRUCTION STAGE</p> <ul style="list-style-type: none"> • Assist the RHD for preparation of documents required for the land acquisition (LA) and Resettlement Plan as well as its implementation process. • Preparation of tender document for construction of 3rd Shitalakhya bridge by design build method under two stage tendering method (International Competitive Tendering) • Preparation of replies to queries regarding the tender documents and advising the RHD on issuing circulars and other information to tenderers. <p>C. DESIGN REVIEW</p> <ul style="list-style-type: none"> • Review Of Bridge Alignment • Review Of Engineering Survey Report • Review Of Hydrological & Hydraulic Studies • Review Of Geotechnical Report • Review Of Structural Design • Review Of Construction Materials Study Report • Review Of Land Acquisition and Resettlement Plans and Its Implementation • Review and Consultation with local communities for implementation of land acquisition & resettlement plans. <p>D. CONSTRUCTION SUPERVISION</p> <ul style="list-style-type: none"> • Approve Contractor's Work Program, Working Methods, Plant and Equipment • Equipment, Plant, Materials and Workmanship • Survey and Measurement Control • Contractor's Quality Plans – Inspection and Test Plans • Health, Safety & Security and Traffic Management • Review of Shop Drawings • Verification of As-Built Drawings • Payment Verifications and Measurements • Construction Supervision Documents • Toll Rated Activities • On-the-Job-Training

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						<ul style="list-style-type: none"> • Transfer & Training • Preparation of a DPP for 72Kms Road <p>E. DEFECT LIABILITY PERIOD Inspection and Certification During the Defects Liability Period Operation and Maintenance</p>
12.	Construction of Link Road from Dhaka Trunk Road to Baizid Bostami Road including Loop Road at the outer periphery of AUW (Asian University for Women). Construction Supervision Phase	CDA	Start Date: June 2015 Completion Date: May 2017	Tk. 376.337 Lacs	Length: (30X 5) m (PSC) (40X 1) m (PSC) (24X 1) m (RCC) (425.55X 1) m (PSC)	<ul style="list-style-type: none"> • Construction supervision, • Quality Control of Road and Bridge Construction Work, • Design Review on the basis of actual field condition, • Prepare and submission of report
13.	Consulting services for Strengthen of Link Road from Dhaka Trunk Road to Baizid Bostami Road including Design of Loop Road along the outer Periphery of AUW's land at Chittagong.	CDA	Start Date: 25/11/2010 Completion Date: 24/02/2012	Tk 230.00 Lacs	Length: (42X 2) m (PSC) (12X 1) m (RCC) (22X 1) m (RCC) (20X 1) m (RCC)	<ul style="list-style-type: none"> • Field Surveys • Sub-soil Investigation/Other Field Tests • Traffic Studies & Condition Surveys • Detailed Engineering Design • Estimate, BOQ, Specifications & Tender Documents • Assist Client in Pre-Qualification of Contractors, Bid Evaluation & Contract Award Services • Project Management & Construction Supervision • Settlement Surveys & Value Analysis • Environmental Studies • Training & Technology Transfer
14.	Techno Economic Feasibility Study, Digital Topographical Survey, Sub-soil Investigation, Detailed Engineering Design, Cost Estimate and Bill of Quantities (BOQ) for Construction of RCC Bridge on Achintapur UP H/Q – Bhalukapur Bazar Road (Road ID 361233025) at Chainage 3800m over Jalburunga River under Gouripur Upazila, Dist.-Mymensingh.	LGED	Start Date: 06-Mar-2017 Completion Date: 05-Apr-2017	Tk. 2.35 Million	Length: 120m Long RCC Bridge	<p>The Scope of works for which Consulting services are required to be provided are:</p> <p>Detail Engineering Design</p> <ol style="list-style-type: none"> Feasibility Study (Technical and Economic) Social Survey <ol style="list-style-type: none"> Social Analysis Economic Analysis Digital Topographical Survey Detail Sub Soil Investigation Land Acquisition and Resettlement Need Assessment: Construction Materials and their Sources

Sl. No.	Name of Project	Client	Period of Execution	Total value of the services (Contract Value)	Size & Type	Type of Service rendered by your firm
						<ul style="list-style-type: none"> vii. Alternative layout viii. Design Criteria ix. Preliminary Design <ul style="list-style-type: none"> a. Conceptual Design b. Diversion Plan c. Preliminary Cost Estimate x. Detailed Engineering Design xi. Detailed Engineering Drawings xii. Cost Estimation xiii. Modification of Design, Drawing and Estimate xiv. Study Period and Reporting Schedule xv. Transfer of Knowledge
15.	Sub-Soil Investigation & Digital Topographical Survey, Detail Design, Drawing (Draft & Final) and Cost Estimate for 40 (Forty) Bridges with Provision for Hydro-Morphological Study 01 (One) Bridge	LGED	Contract Date: February 2016 Start Date: March 2016 Completion Date: December 2016	Tk. 3.57 Million	40 number Bridge. Length Varies from 15 m to 75 m	Detail engineering design for Bridges and Culverts, which consists of <ul style="list-style-type: none"> i. Topography Survey ii. Sub-soil Investigation/Other Field Tests iii. Detailed Engineering Design iv. Estimate, BOQ.
16.	Preparation of Detail Structural Design, Estimate, Technical specification and Standard Tender Document of 02 (Two) bridges under Manikgonj District.	LGED	Contract Date: October 2013 Start Date: October 2013 Completion Date: December 2013	Tk. 4.499 Million	Length: (315X 1) m (PSC) 9 Spans, Span length 35 m Each (297X 1) m (PSC) of 9 Spans, Span length 33 m Each)	<ul style="list-style-type: none"> • A detailed Digital Topographical Survey and land acquisition plan. • Sub-soil Investigation, Analysis & Reputing. • Preparation of Plan & Structural Design. • Preparation of Bill of Quantities, Specification & Tender Douments. • Giving layout of the bridges and • Preparation of Inception Report, Survey Report, Design Calculation, Tender Documents and Land Acquisition/Resettlement Plan.
17.	Detailed Structural Design, Estimate, Technical specification and Standard Tender Document of 03 (Three) Bridges under Naogaon & Manikgonj District.	LGED	Contract Date: March 2013 Start Date: March 05, 2013 Completion Date: June 05, 2013	Tk. 53.995 Lac	Length: (217X 1) m (PSC) 7 Spans, Span length 31 m Each (125X 1) m (RCC) 5 Span, Span length 25 m Each)	<ul style="list-style-type: none"> • A detailed Digital Topographical Survey and land acquisition plan. • Sub-soil Investigation, Analysis & Reputing. • Preparation of Plan & Structural Design. • Preparation of Bill of Quantities, Specification & Tender Douments. • Giving layout of the bridges and • Preparation of Inception Report, Survey Report, Design Calculation, Tender Documents and Land Acquisition/Resettlement Plan.

Sl. No.	Name of Project	Client	Period of Execution	Total value of the services (Contract Value)	Size & Type	Type of Service rendered by your firm
					(297X 1) m (PSC) 9 Span, Span length 33 m Each)	
18.	Construction of Two Bridges (560 m each) on Brammaputra River Under Islampur Upazila of Jamalpur District.	LGED	Contract Date: June 08, 2011 Design Phase: Start Date: June 2011 Completion Date: August 2011	0.053 Million (Tk. 3.95 Million)	Length: (560 X 1) m PC Girder 16 Span, Span length 35 m Each) (560 X 1) m PC Girder 16 Span, Span length 35 m Each)	Preparation of Plan, Design & Estimaste in compliance with the recommendations made in the Hydrological & Morphological Study Report, conducting survey, Soil test, preparation of Bill of Quantities (BOQ), Tender Documents and Supervision of Construction Works of 2 (two) number of Bridges.
19.	Feasibility Study and Detailed Design of Nabinagar – Shibpur – Radhika Road [21 km (approx.) of the R203 road.] and Bridges & Culverts under Brahmanbaria Road Division.	RHD	Start Date: August 2015 Completion Date: March 2016	Tk. 4.505 Million	Length: (30X 5) m (PSC) (40X 1) m (PSC) (24X 1) m (RCC) (425.55X 1) m (PSC)	<ol style="list-style-type: none"> 1. Feasibility study <ol style="list-style-type: none"> i. Detailed Traffic Survey <i>with</i> O-D Survey, Traffic Analysis and Traffic Forecast etc. ii. Optimization of length, location and alignment of bridge and Road. iii. Geotechnical investigation, geological mapping; seismic study, hydrological survey. iv. Detailed EIA (Environmental Impact Assessment) and EMMP. v. Assessment of resettlement requirements and preparation of action plan. vi. Land Acquisition Plan. vii. Economic and financial evaluation determining EIRR, NPV, BCR, FIRR etc. 2. Detail engineering design for the Project Road, which consists of: <ol style="list-style-type: none"> i. Detail topographical surveys including volume of earth work required for embankment construction ii. Engineering design and cost estimates for the proposed road iii. Identification of location of drainage structures iv. Project appraisal report which consists of financial and economic analysis v. Social and environmental assessment in accordance with government regulations and policies.

Sl. No.	Name of Project	Client	Period of Execution	Total value of the services (Contract Value)	Size & Type	Type of Service rendered by your firm
						3. Detail engineering design for Bridges and Culverts, which consists of <ul style="list-style-type: none"> i. Sub-soil Investigation/Other Field Tests ii. Detailed Engineering Design iii. Estimate, BOQ, Specifications & Tender Documents
20.	Economic Analysis of Proposed 05 (Five) nos. Bridges over Different 05 (Five) Rivers on Netrakona District.	LGED	Start Date: Mar. 12, 2013 Completion Date: May 11, 2013	Tk. 13.29 Lac.	Length: 224x1 m (PSC) 150x1 m (RCC) 110x1 m (RCC) 125x1 m (RCC) 110x1 m (RCC)	The Scope of Consulting services include: Survey a) Detail Traffic Survey b) Social Survey Analysis a) Benefit Cost Ratio (BCR) b) Net Present Value (NPV) c) Economic Internal Rate of Return (EIRR) d) Financial Internal Rate of Return (FIRR) e) Public views regarding the impact of proposal construction
21.	Economic Analysis of Proposed 04 (Four) nos. bridges over different 04 (Four) rivers on Jamalpur District.	LGED	Start Date: Feb. 03, 2013 Completion Date: Apr. 03, 2013	Tk. 10.52 Lac	210x1 m (RCC) 585x1 m (PSC) 125x1 m (RCC) 90x1 m (RCC)	The Scope of Consulting services include: Survey a) Detail Traffic Survey b) Social Survey Analysis a) Benefit Cost Ratio (BCR) b) Net Present Value (NPV) c) Economic Internal Rate of Return (EIRR) d) Financial Internal Rate of Return (FIRR) e) Public views regarding the impact of proposal construction
22.	Consulting services Feasibility Study and Preliminary Design for a) construction of Bridge at Ferry Location at 70th Km on Labukhali – Dumki – Boga – Dashmina – Golachipa – Amragachi Road (Z8806); (Length: 1600 m) (b) construction of Bridge at Ferry Location at 53rd Km on Barishal – Jhalokhati – Bhandaria – Perojpur Road (R870) over the river Kocha; (Length: 2000 m) and (c) Construction of Bridge at Ferry Location at 8th Km. on Rahmatpur – Babugonj –	BBA	Start Date (Month/year): June 2011 Completion Date (month/year): February 2012	Tk. 204.5 Lacs	Length: 1600x1 m (Segmental Box Girder) 2000 x1 m (Segmental Box Girder) 1800 x1 m (Segmental Box Girder)	a) Detailed Traffic Survey with O-D Survey, Traffic Analysis and Traffic Forecast etc. b) Optimization of length, location and alignment of bridge. c) Geotechnical investigation, geological mapping; seismic study, hydrological and morphological survey. d) Detailed EIA and EMMP. e) Assessment of resettlement requirements and preparation of action plan.

Sl. No.	Name of Project	Client	Period of Execution	Total value of the services (Contract Value)	Size & Type	Type of Service rendered by your firm
	Muladia – Hizlakok Road (Z8034) under BBA" (Length: 1800 m) under Bangladesh Bridge Authority.					f) Preliminary design of the bridge, approach roads, river training works with cost estimation. g) Land Acquisition Plan. h) Economic and financial evaluation determining EIRR, NPV, BCR, FIRR etc. i) Transfer of knowledge.
23.	Feasibility Study for Construction of Bridge at Ferry Location at 17th Km on Kachua – Betagi – Patuakhali – Lohalia – Kalaya Road (Z8052)	BBA	Start Date (month/year): September 2011 Completion Date (month/year): March 2012	Tk. 98.65 Lacs	Length: 1750x1 m (Segmental Box Girder)	a) Detailed Traffic Survey with O-D Survey, Traffic Analysis and Traffic Forecast etc. b) Optimization of length, location and alignment of bridge. c) Geotechnical investigation, geological mapping; seismic study, hydrological and morphological survey. d) Detailed EIA and EMMP. e) Assessment of resettlement requirements and preparation of action plan. f) Preliminary design of the bridge, approach roads, river training works with cost estimation. g) Land Acquisition Plan. h) Economic and financial evaluation determining EIRR, NPV, BCR, FIRR etc. i) Transfer of knowledge.
24.	Sylhet-Tamabil-Jaflong Road Improvement Project. [Hazrat Shah Paran (2 nd Surma) Bridge & Other Drainage Structures]	RHD	Start Date: July 2002 Completion Date: January 2006	0.45 Million	Length: 392 m PC Girder	Phase - I Services included: A. Survey & Investigation : This includes <ul style="list-style-type: none"> • Fixing the alignment for bridge and the approach roads. • Detail Topographic and River survey of the Bridges/Drainage Structure. • Preparation of Land Acquisition Plans. • River Hydrology & River Hydraulic. Based upon hydrological data, determine the size and waterway opening of the bridge and drainage structure. • Soil and sub-surface investigation for embankment and foundation design. • Materials Investigation. B. Detailed Engineering, Design of Bridge & Approach Roads C. Design of River Training Work

Sl. No.	Name of Project	Client	Period of Execution	Total value of the services (Contract Value)	Size & Type	Type of Service rendered by your firm
						<p>D. Preparation of Engineering Plans & Drawings.</p> <p>E. Pre-construction Services included preparation of Project Implementation Plan, Engineer's Estimate, Bill of Quantities, Technical Specifications, Tender Documents, Contractors Pre-qualification, Selection and Work Award to Contractors.</p> <p>During Phase – II, the Consultant have carried out full time supervision of construction works with quality and cost control.</p>
25.	<p>Design, Supervision & Monitoring of Madani Avenue Road Project (form Progoti Sarani Intersection to Balu River)</p> <p>Phase – I: Design Phase Phase – II: Construction Supervision Phase</p>	RAJUK	<p>Contract Date: June 05, 2011 Phase - I Start Date: 5/6/2011 Completion Date: 30/1/2012 Phase - II Start Date: 1/3/2012 Completion Date: March 2014</p>	133.00 Lacs	<p>Length: (30 X 2) m (90 X 1) m (60 X 1) m PC Girder</p>	<ul style="list-style-type: none"> Field Surveys Sub-soil Investigations/Other Field Tests Traffic Studies & Condition Surveys Detailed Engineering Design Estimate, BOQ & Tender Documents Assist Client in Pre-Qualification of Contractors, Bid Evaluation & Contract Award Services Project Management & Construction Supervision Settlement Surveys & Value Analysis Environmental Studies
26.	<p>Detail Design, Supervision and Monitoring for the Construction of Roads, Bridges / Culverts of Purbachal Link Road (Debogram-Progoti Sharani Connecting Road)</p>	RAJUK	<p>Contract Date: March 12, 2009 Start Date: March 2009 Completion Date: September 2013</p>	Tk. 184 Lacs (US\$ 0.27 Million)	<p>Approximately length 40 to 50m each</p>	<ul style="list-style-type: none"> Field Surveys Sub-soil Investigation/Other Field Tests Traffic Studies & Condition Surveys Detailed Engineering Design Estimate, BOQ & Tender Documents Assist Client in Pre-Qualification of Contractors, Bid Evaluation & Contract Award Services Project Management & Construction Supervision Settlement Surveys & Value Analysis Environmental Studies
27.	<p>Detailed Design and Construction Supervision of 7 Nos. of Bridge Construction Work of Purbachal New Town Project.</p>	RAJUK	<p>Contract Date: November 25, 2009 Start Date: November 2009</p>	0.092 Million	<p>7 nos. of Bridges, Approximate length 40 to 50m each</p>	<ul style="list-style-type: none"> Construction supervision of 7 no.s of Bridges (Bridge No.- 03,04,06,07,22,45 & 47), Quality Control of Bridge Construction Work, Design Review on the basis of actual field condition,

Sl. No.	Name of Project	Client	Period of Execution	Total value of the services (Contract Value)	Size & Type	Type of Service rendered by your firm
			Completion Date: February, 2011			<ul style="list-style-type: none"> • Prepare and Develop Supervision Manual of Bridge Construction Work, • Train up RAJUK Official for Bridge Construction Work Supervision, • Prepare and submission of report, • Prepare of site plans and pre work cross sections of topography, • Prepare working drawings, cost estimate, BOQ.
28.	Construction Supervision Consulting Services for (i) Janjira Approach Road and Selected Bridge End Facilities, (ii) Mawa Approach Road and Selected Bridge End Facilities, and (iii) Service Area-2 at Janjira end of the Padma Multipurpose Bridge Project.	BD Army	Start Date: April 2014 Completion Date: March 2017	Tk. 189.00 Lacs	Approximately 13.6 km of approach roads and bridge-end facilities, including toll plazas, service areas and offices.	<p>Consulting services for construction supervision/project management are required to ensure that the construction of Main Bridge and River Training Works is implemented in an economical and efficient manner consistent with internationally accepted standard and practices with high standards of workmanship, specified quality of materials within the stipulated construction period and in conformity with the approved drawings and specifications, safeguard standards achieving objectives of the project with value for money.</p> <p>The main tasks and activities of the Construction Supervision Consultants (CSC), covering the pre-construction, construction and post construction stages of the Main Bridge and River Training Works would include, but not limited to, the following:</p> <p>A. Design Review and others Requirements.</p> <p>The CSC shall be required to undertake a thorough review of all design documents prepared by the Design Consultants, within 60 days of the start of the contract, covering items listed below. At the end of this process, it will be assumed that the CSC is fully satisfied with the adequacy of the designs.</p> <ul style="list-style-type: none"> x. Review the tender stage designs of the works completed earlier for adequacy and standards and provide comments thereon, if any; xi. Obtain Client's approval, as necessary, for any major changes required in the designs already completed for bidding stage before finalization of Construction Drawings; xii. Incorporate all changes in design/drawings as agreed with the Client;

Sl. No.	Name of Project	Client	Period of Execution	Total value of the services (Contract Value)	Size & Type	Type of Service rendered by your firm
						<p>xiii. Carry out review of data and site investigations already carried out for all elements of the works;</p> <p>xiv. Based on the review of the data and investigations mentioned above, the Consultants shall formulate nature and quantum of such further surveys, additional field investigations, required for purpose of preparation of designs and construction drawings for approval of the Client. The Consultants shall coordinate between the Client and such other agencies responsible for carrying out the aforesaid surveys, investigations, model studies, etc.</p> <p>xv. Prepare a supplementary design report by way of updating the tender level design report of the Project giving in sufficient details, additional investigations carried out, additional design analyses, applied results of significant additional computation besides basic points;</p> <p>xvi. With the approval of the Client, carry out all additional designs/modifications of designs that may emerge during project implementation.</p> <p>xvii. The consultant shall review and satisfy themselves as to the nature and scope of the construction works, technical specifications, Geometric Design, Road Safety issues, Utilities relocations and other activities designed and prepared by the Design Consultant as part of the day-to-day affairs for cross checking the engineering adequacy of the design/plans/measures or to modify them to meet the present 57 requirement or to reduce the cost where possible without compromising the quality of the work with due approval of competent authority. For major changes Value Engineering shall be carried out to get efficient and effective results.</p> <p>xviii. The consultant shall prepare design of works which may be identified by the Client during project implementation for which designs have not been prepared before. For that purpose consultant would carry out needed surveys, investigations, and prepare design and bidding documents.</p>
29.	IDA financed Rehabilitation of Dhaka-Sylhet Road	RHD	Contract Date: May 14, 1999 Start Date	5.90 Million	Length: 37 Nos. P.C. Girder Bridges,	<ul style="list-style-type: none"> • Field Surveys • Design Review • Assist Client in Pre-Qualification of Contractors, Bid Evaluation &

Sl. No.	Name of Project	Client	Period of Execution	Total value of the services (Contract Value)	Size & Type	Type of Service rendered by your firm
			June 1999 Completion Date December 2004		approximately 1295 m in length	Contract Award Services <ul style="list-style-type: none"> • Pre-investment & Feasibility Studies • Settlement Surveys & Value Analysis • Environmental Studies • Training & Technology Transfer
30.	JBIC funded Supervision of Paksey Bridge Construction Project	RHD	Start Date June 1998 Completion Date April 2004	5.25 Million	1786m, consisting of 15 spans each 109.5m long, plus two shorter end spans each 71.75 meter long.	The consulting services of the project include Design/Document review of 3 contracts prepared by previous consultant, assist RHD with the pre-qualification of contractors, tender process, evaluation and contract award and full time construction supervision of the following main components of the project. <ul style="list-style-type: none"> • Main Bridge across the River Padma • Foundation works, Cast-in-place Concrete Piles • River Training Works • Bridge approach roads • East Connecting Road • West Connecting Road • Bridge over GK & Irrigation Canal • Dredging and filling • Toll collection buildings and facilities • Drainage and Irrigation facilities • Mechanical and Electrical works • Road Marking, Signs and Furniture • Site offices and Accommodation Facilities Other activities include- <ul style="list-style-type: none"> • Investigation and Testing • Quality Assurance • Implementation of Social Action Plan • Implementation of Environmental aspects • Relocation of Utilities • Financial Prediction and control
31.	Detailed Engineering Design (DED), Project Management and Supervision Consulting services for Construction of Andkoy – Aquina Road	MPW	Start Date: Jul 2007	USD 1.24 million	Approximate length 40 to 50 m each	<ul style="list-style-type: none"> • Field Surveys • Sub-soil Investigation/Other Field Tests • Traffic Studies & Condition Surveys

Sl. No.	Name of Project	Client	Period of Execution	Total value of the services (Contract Value)	Size & Type	Type of Service rendered by your firm
			Completion Date: April 2013	(BDT 104.16 million)		<ul style="list-style-type: none"> Detailed Engineering Design Estimate, BOQ, Specifications & Tender Documents Assist Client in Pre-Qualification of Contractors, Bid Evaluation & Contract Award Services Project Management & Construction Supervision Environmental Studies Training & Technology Transfer
32.	Detailed Engineering Design (DED), Project Management and Supervision Consulting services for Rehabilitation of Doshi-Pol-E Khumri existing Road,	MPW	Start Date: Jul 2007 Completion Date: October 2014	USD 1.411 million (BDT 118.524 million)	Approximate length 40 to 50 m each	<ul style="list-style-type: none"> Field Surveys Sub-soil Investigation/Other Field Tests Traffic Studies & Condition Surveys Detailed Engineering Design Estimate, BOQ, Specifications & Tender Documents Assist Client in Pre-Qualification of Contractors, Bid Evaluation & Contract Award Services Project Management & Construction Supervision Environmental Studies Training & Technology Transfer
33.	Supervision Consultancy Service of Jabul Saraj-Nijrab Road Project MPW/869/ ABD/QCBS	MPW	Start Date: November 2010 Completion Date: July 2018	USD 2.184 million (BDT 183.456 million)	Approximate length 40 to 50 m each	<ul style="list-style-type: none"> Field Surveys Sub-soil Investigation/Other Field Tests Design Review Project Management & Construction Supervision Settlement Surveys & Value Analysis Environmental Studies Agro-Socio-Economic Studies Training & Technology Transfer
34.	Supervision Consultancy for construction supervision of Fayzabad – Eshkashim (43 km) (Fayzabad-Beharak) Road Project MPW/870/ ABD/QCB	MPW	Start Date: Mar 2012 Completion Date: July 2018	USD 4.144 million (BDT 348.096 million)	Approximate length 40 to 50 m each	<ul style="list-style-type: none"> Field Surveys; Sub-soil Investigation/Other Field Tests Design Review; Project Management & Construction Supervision Settlement Surveys & Value Analysis Environmental Studies Agro-Socio-Economic Studies Training & Technology Transfer