

GENERAL & OVERALL EXPERIENCE OF THE FIRMS

Highrise Buildings & University Sector

Sl. No.	Project Name	Country	Client	Funding Agency	Firms Responsibility
1.	Consultancy Services for Integrated Feasibility Study, Master Plan and other Related Tasks for the Development of Pirojpur Science and Technology University (PrSTU), Pirojpur. (Package No: SD-01)	Bangladesh	Pirojpur Science and Technology University (PrSTU)	GOB	<p>Our consulting team successfully delivered a comprehensive package of services for the Integrated Feasibility Study, Master Plan, and related tasks for the Development of Pirojpur Science and Technology University (PrSTU). From the outset, our staff demonstrated strong technical expertise, organizational capacity, and commitment to quality, ensuring that every stage of the assignment was completed in line with the TOR requirements and within the stipulated timeframe.</p> <ol style="list-style-type: none"> 1. Background Study & Site Assessment <ul style="list-style-type: none"> • Reviewed existing maps, reports, and regulations. • Conducted topographical, geological, hydrological, and socio-economic surveys. • Assessed site suitability considering geography, environment, and social context. 2. Digital Survey & Mapping <ul style="list-style-type: none"> • Executed UAV (drone) surveys with 4K aerial imagery. • Prepared contour maps, orthophotos, and digital elevation models (DEM). • Delivered AutoCAD and GIS-based land use and physical feature maps. 3. Feasibility Study & Demand Projection <ul style="list-style-type: none"> • Analyzed academic, residential, and institutional land use demand. • Projected requirements for the next 50 years under base, optimistic, and pessimistic scenarios. • Developed alternative building options and strategies. 4. Environmental & Social Assessments <ul style="list-style-type: none"> • Conducted Environmental Impact Assessment (EIA) and Social Impact Assessment. • Prepared Environmental & Social Management Plan (ESMP). • Designed Waste Management and Environmental Management Plans. • Developed Land Acquisition and Resettlement Action Plan (LARAP) with census surveys and inventories of loss. 5. Hydro-Geological & Sub-soil Investigations

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					<ul style="list-style-type: none"> • Carried out hydro-geological surveys to identify aquifers, seasonal variations, and water quality. • Conducted sub-soil investigations with exploratory drilling, boring logs, and laboratory testing. • Analyzed flood risks, saltwater intrusion, and tidal effects. 6. Master Planning & Design <ul style="list-style-type: none"> • Prepared conceptual and detailed Campus Master Plan (2D and 3D). • Designed circulation and transportation plans (Traffic Impact Assessment). • Developed architectural, structural, electro-mechanical, and fire safety designs. • Proposed climate-smart construction options and beautification designs. 7. Economic & Financial Viability Analysis <ul style="list-style-type: none"> • Prepared financial models with IRR, BCR, and NPV calculations. • Conducted cost-benefit analysis and ranked development alternatives. • Produced Bills of Quantities (BoQ) and preliminary cost estimates. 8. Development Project Proposals (DPPs) <ul style="list-style-type: none"> • Drafted DPP for land acquisition, land development, and boundary wall construction. • Prepared DPP for campus infrastructure development. • Ensured compliance with Government of Bangladesh standards. 9. Reporting & Deliverables <ul style="list-style-type: none"> • Submitted inception, draft, and final reports on schedule. • Delivered survey reports, feasibility studies, master plans, environmental and social assessments, and cost estimates. • Provided all reports in both hard and soft copies, including 3D models and animations. 10. Project Management & Client Coordination <ul style="list-style-type: none"> • Maintained close communication with the client and stakeholders. • Arranged logistics, office facilities, accommodation, transportation, and medical services independently. • Ensured timely completion of all tasks within the six-month duration.

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2.	Providing Consulting services for Detailed Digital Survey and Feasibility Study of 33 (Thirty-Three) Nos. Multistoried Building in different sizes of plots at Gulshan Residential Area.	Bangladesh	RAJUK	GOB	<p>The Consulting services included:</p> <ul style="list-style-type: none"> • Housing Need Analysis • Project Site Analysis • Detail Topography Survey using total station. • Project Impacts. • Preliminary Cost Estimate. • Conceptual Floor Plan, Parking Layout with Layout Plan. • Land Acquisition requirement • Environmental and Social Impact Analysis. • Technical Feasibility. • Economic Analysis (Benefit-Cost ratio, EIRR, NPV etc.).
3.	Consultancy for Detailed Digital Survey and Feasibility Study for Construction of 11nos Multi-Storied Residential Buildings at Gulshaan, Mohammadpur, Lalmatia and Dhanmondi Area in Dhaka City.	Bangladesh	RAJUK	GOB	<p>The Scope of Consulting services include:</p> <ul style="list-style-type: none"> • Housing Need Analysis; • Project Site Analysis; • Detail Topography Survey using Total Station; • Project Impact Analysis; • Preliminary Cost Estimation; • Environmental and Social Impact Analysis; • Technical Feasibility Study • Economic Analysis (Benefit-Cost Ratio, EIRR, NPV etc.)
4.	Consulting services for Independent Third Party Supervision and Quality Assurance of Civil Works under PEDP-III.	Bangladesh	The Directorate of Primary Education (DPE)	GOB	<p>The Scope of works for which Consulting services are required to be provided were:</p> <p><u>The scope of monitoring and supervision requirements of Consultant was to establish the proper coordination with the key players of construction work monitoring and supervision - Planning Division, Directorate of Primary Education (DPE), Local Government Engineering Department (LGED), Department of Public Health Engineering (DPHE) and field level officials of DPE, LGED and DPHE to make them understand what will work well and why, and to ensure the quality of construction work and supply of furniture. In broad terms, SARM-DTCL-DPDS Association (Consultant) will assist DPE in monitoring and supervision works under Infrastructure Development sub-component of PEDP-3 being executed by LGED/DPHE.</u> The Consultant performed the following tasks during the entire span of the technical assistance.</p> <ol style="list-style-type: none"> The civil works packages are prepared in accordance with the prioritization list of the need-based infrastructure endorsed by the DPs and approved by MoPME;

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					<ul style="list-style-type: none"> ii. The civil works are in adherence with the plans and designs approved by DPE/MoPME and strict maintenance of the highest standard quality as per the scope of works stated in the contracts between the DPE and LGED/DPHE and between LGED/DPHE and their contractors; iii. The commencement and completion of work is according to the agreement; iv. The furniture is supplied by LGED through contractors at the agreed time and in a quality adherent to the contract between LGED and DPHE; v. To assist the DPE compiling and analyzing the physical and financial progress reports from LGED/DPHE. <p>The Consultant will also have the following responsibilities under the direct supervision of DPE:</p> <ul style="list-style-type: none"> a) Prepare detailed implementation schedules that are regularly updated and ensure timely implementation; b) Supervise and monitor all civil works as prescribed to ensure quality of materials, quality of works, and timeliness; c) Ensure that all project activities related to monitoring and supervision are effectively implemented; and d) Prepare and submit required reports to DPE in prescribed format. <p>The following provisions also need to be constructed:</p> <ul style="list-style-type: none"> (i) Monitoring of on-site drinking water quality of arsenic free tube-wells/other water sources; (ii) Provision of toilets/WASH Blocks with adequate fittings; (iii) Provision of storage cabinets in the classrooms; (iv) Use of high-quality material during construction; and <p>Appropriate septic tank and sanitation facilities.</p>
5.	Feasibility Study Report on Construction of 10 Nos. 14-storied Residential Building having 1040 Nos. flat for low middle income group of people at Section-9, Mirpur, Dhaka (Phase -2).	Bangladesh	National Housing Authority	GOB	<p>The main objective of the assignment is to provide technical assistance to the executing agency by preparing a Feasibility Report. The study embodies a preliminary techno-economic analysis and brief report on feasibility of the project. To fulfill the above objective National Housing authority engages SARM associates Limited in association with Planning Design & Survey consultant. It is to be noted that this report is based mostly on the data and documents of secondary sources.</p> <p>This feasibility study is specifically made for the Section-9, Mirpur, Dhaka site. It comprises the following broad components:</p>

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					<ul style="list-style-type: none"> • Housing Need Analysis • <u>Detailed Digital Topography Survey using Total Station</u> • <u>Technical Feasibility Study</u> • Project Site Analysis • Project Impacts • Design Documentation • Preliminary cost estimation
6.	Construction of 1 no. 4 - Stored Residential Building for Lacturers of Khulna University	Bangladesh	Khulna University	GOB	<p>The project aims at providing housing facilities to the officers and staff of the khulna University. Under this Programme, Construction of 1 no. 4 Stored building of 830 m2 area has been undertaken.</p> <p>The services provided by the Consultant include site survey and soil investigation, preparation of preliminary and detailed architectural design and drawings, detailed structural design, electric and plumbing design and drawing, preparation of detailed estimate, bill of quantities, specifications, tender documents, assist client in calling of tenders, tender evaluation and contract award services, full time supervision of construction works, supervision during maintenance period and preparation of As-built drawings.</p>
7.	Construction of 1 No. 4-Storeyed Residential Building for Asstt. Professors & Officers of Equivalent Ranks of Khulna University.	Bangladesh	Khulna University	GOB	<p>The Project aims at providing housing facilities to the officers and staff of the khulna university. Under this programme, 1 no. 4 Storeyed Residential Building of area 1026 m2 has been constructed for Assistant Professors and officers of equivalent Rank.</p> <p>The services provided by the Consultant include site survey and soil investigation, preparation of preliminary and detailed architectural design and drawings, detailed structural design, electric and plumbing design and drawing, preparation of detailed estimate, bill of quantities, specifications, tender documents, assist client in calling of tenders, tender evaluation and contract award services, full time supervision of construction works, supervision during maintenance period and preparation of As-built drawings.</p>
8.	Construction of 1 No. 4-Storeyed Residential Building for Class III Employees of Khulna University.	Bangladesh	Khulna University	GOB	<p>The Project aims at providing housing facilities to the officers and staff of the Khulna University. Under this Programme, 1 No. 4 Storeyed Residential Building for Class III Employees has been constructed at Gollamari, Khulna. The construction cost of the Building (1301 m2 area) is Tk. 1, 24, 14,290.86 only.</p> <p>The services provided by the Consultant include site survey and soil investigation, preparation of preliminary and detailed architectural design and drawings, detailed structural design, electric and plumbing design and drawing, preparation of detailed estimate, bill of quantities, specifications, tender documents, assist</p>

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					client in calling of tenders, tender evaluation and contract award services, full time supervision of construction works, supervision during maintenance period and preparation of As-built drawings.
9.	Construction of 1 No. 4-Storeyed Residential Building for Class IV Employees of Khulna University.	Bangladesh	Khulna University	GOB	The Project aims at providing housing facilities to the officers and staff of the Khulna University. Under this programme, 1 nos. 4 Storeyed Residential Building for class IV employees has been constructed at Gollamari, Khulna. The services provided by the Consultant include site survey and soil investigation, preparation of preliminary and detailed architectural design and drawings, detailed structural design, electric and plumbing design and drawing, preparation of detailed estimate, bill of quantities, specifications, tender documents, assist client in calling of tenders, tender evaluation and contract award services, full time supervision of construction works, supervision during maintenance period and preparation of As-built drawings.
10.	Construction of Vice Chancellor's Office-cum- Residential Building under Khulna University.	Bangladesh	Khulna University	GOB	The Project aims at providing housing facilities to the officers and staff of the khulna university. Under this programme, Construction of 2 stored Vice-Chancellor's Residence-cum-office of 520 m2 area has completed at the cost. The services provided by the Consultant included preparation of preliminary and detailed architectural design and drawings, detailed structural design, electric and plumbing design and drawing, preparation of detailed estimate, bill of quantities, specifications, tender documents, assist client in calling of tenders, tender evaluation and contract award services.
11.	Construction of Administrative Building for establishment of mawlana Bhasani Science and technology university at Santosh, Tangail.	Bangladesh	Mawlana Bhasani Science and Technology University	GOB	The Project "established of Mawlana Bhashani Science and Technology University (MBSTU), Santosh, Tangail" has been approved by the Govt. of Bangladesh. The purpose of the Project is to provide science and modern technology and scientific education to the students. for this purpose, construction of administrative Building shall be taken up as one of the major different facilities components of the project. The Consulting services rendered by the Consultant include: <ol style="list-style-type: none"> 1. Sub-soil Investigation 2. Basic Services <ol style="list-style-type: none"> a) Preliminary Architectural Design, Drawings & Cost Estimates. b) Detailed Design & Drawings <ol style="list-style-type: none"> i) Architectural Design & Drawings ii) Structural Design & Drawings iii) Water Supply & Plumbing Design & Drawings iv) Electrical & Mechanical Design & Drawings

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					<ul style="list-style-type: none"> v) External Utility Services Design & Drawings c) Detailed Design, Drawings and Estimates of Furniture d) Preparation of Working Drawings e) Preparation of Detailed Cost Estimates, Technical Specifications, Bill of Quantities & Tender Documents f) Tendering & Evaluation of Tender <p>3.</p> <ul style="list-style-type: none"> a) Management, Monitoring & Full Time Supervision of Construction Works including Furniture b) Supervision during maintenance period <p>Submission of Reports</p>
12.	Construction of Engineer's Office-Cum-Inspection Bungalow at Jaflong under Sylhet-Tamabil-Jaflong Road Improvement Project.	Bangladesh	RHD	GOB	Under sylhet-Tamabil-Jaflong Road Improvement Project, 61 km of road has been upgraded and rehabilitated to national Highway Standard. The need for construction of an Engineer's office at the far end of the Project (Jaflong) was felt necessary to facilitate the performance of duties by the department Engineers efficiently.
13.	Acoustic Work with Seat Arrangement & Air Conditioning System of Habiganj Auditorium	Bangladesh	LGED	GOB	The project aims at preparation of design, drawing, specification & cost estimate for acoustic Work with seating Arrangement and Air-conditioning System of Habiganj Auditorium.
14.	Architectural , structural design and construction supervision of 20-stored apartment Project at 146-Baily Road Dhaka	Bangladesh	Eastern Housing Ltd. Dhaka		The project is a 20 stored apartment building. It has 68 apartments and 68 nos of car parking space. The total built up area of the Project is 166, 152 sft. It has 2 passenger lift and the ground and 1st floor is designed for car parking.
15.	Architectural , structural design and construction supervision of 10-stored apartment Project at 145-Shantinagar Dhaka	Bangladesh	Eastern Housing Ltd. Dhaka		The Project is a Central Air Condition 10 stored apartment building with car parking space at basement and semi basement floor.. The total built up area of the building is 202000 sft. It has provision for 63 car Parking spaces, 97 nos of office spaces and 424 nos of shops.
16.	Jamiatul Fallah Shopping-cum-Office Complex (Shopping-cum-office Complex, Plaza part of the Mosque, Boundary wall & gate)	Bangladesh	Jamiatul Fallah, Dampara, Chittagong.	Jamiatul Fallah	Jamiatul Falah is the biggest Islamic Center in Bangladesh. Of the many components of the works, shopping-cum-office Complex is one of the important part of the total complex.
17.	Construction works of different components of Chittagong Chemical Complex at Barabkund, Chittagong under CCC Improvement Scheme (CIB Part).	Bangladesh	Chittagong Chemical Complex	GOB	The work under CCC Improvement Scheme (CIB) at an estimated cost of Tk 2.20 Crores (US\$ 0.55 Million) included preparation of Architectural and Structural Plan, detail design including detail working drawings for Civil, Plumbing, Drainage, Water Supply and electrical and Air-conditioning (where specifically needed) etc.

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18.	Construction of Khulna University Academic Building: Planning and Architecture Faculty Building.	Bangladesh	Khulna University, Khulna	GOB	-
19.	Construction of Kumudini Pharmaceutical Plant at Narayanganj, Dhaka. UNDP Project No. BG2/82/C02	Bangladesh	UNDP, New York.	UNDP	-
20.	Construction of Office & Housing Complex at Habiganj.	Bangladesh	Jalalabad Gas Transmission & Distribution System Ltd.	GOB	-
21.	Development of the Physical Facilities of Rural Development Training Institute at Khadimnagar, Sylhet under RD-II Project (Credit 1384 BD).	Bangladesh	Bangladesh Rural Development Board/ODA	ODA	-
22.	Construction of 6 storeyed Regional Office Building for Rupali Bank at Rangpur.	Bangladesh	Rupali Bank, Dhaka	GOB	-
23.	Construction of Academic and Housing Complex for the Institute of Forestry Chittagong University.	Bangladesh	Chittagong University	GoB	-
24.	Design lay-out plan of office premises for Banque Indosuez.	Bangladesh	Bank Indosuez, Dhaka	BANQUE INDOSUEZ	-
25.	Second Forestry Project UNDP-FAO Project No. BGD/79/017.	Bangladesh	FAO, Rome.	UNDP - FAO	-
26.	Low Cost Housing Sub-Project under Urban Area Development Project, Chittagong.	Bangladesh	Urban Development Directorate, Ministry of Works.	GOB	-
27.	b) Horizontal Extension of 16 Storeyed of Islam Chamber at 125 A, M.C.A. Dhaka	Bangladesh	Islam Brothers Properties Ltd	Islam Brothers Properties Ltd	-

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28.	Housing Complex at Brahmanbaria and Habiganj.	Bangladesh	Bangladesh Gas Field Co. Ltd.	GOB	-
29.	Sonali Bank Building Complex at Rangamati, Chittagong.	Bangladesh	Sonali Bank, Dhaka.	Sonali Bank	-
30.	Rupali Bank Complex at Khulna, Chittagong & Rangpur.	Bangladesh	Rupali Bank, Dhaka.	Rupali Bank	-
31.	Second Chittagong Water Supply Project (Civil Works).	Bangladesh	Chittagong WASA, Chittagong.	IDA	-
32.	Divisional Youth Academy at 4-Divisional Head Quarters	Bangladesh	Ministry of Youth, GOB.	GOB	-
33.	Lever Brothers Factory Complex at Chittagong.	Bangladesh	Lever Brothers Bangladesh Ltd., Chittagong.	Lever Brothers	-
34.	Factory Building for Barisal Textile Mills along with other ancillary works.	Bangladesh	Bangladesh Textile Mills Corporation.	BTMC	-
35.	Construction of Multi-storied Transit Shed cum-Office Complex at Chittagong.	Bangladesh	Chittagong Port Authority.	Ctg. Port Authority	-
36.	Dock Workers Housing Complex at Chittagong.	Bangladesh	Dock Workers Management Board, Chittagong.	DWMB	-
37.	11-storeyed Office-cum-Auditorium Building for Karim Jute Mills.	Bangladesh	Bangladesh Jute Mills Corporation.	BJMC	-
38.	Jute Testing Laboratory-cum-Office Building at Dhaka, Khulna & Chittagong.	Bangladesh	Ministry of Jute, GOB.	GOB	-
39.	Fabrication Shop at Kaotaila, Fatullah, Dhaka.	Bangladesh	Highspeed Construction Company.	HCC	-

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40.	Housing Complex for Dry Dock at North Patenga, Chittagong.	Bangladesh	Bangladesh Steel and Engineering Corporation (BSEC)	BSEC	-
41.	5 storied Bangladesh Bank Building at Rajshahi.	Bangladesh	Bangladesh Bank, Dhaka.	B.B	-
42.	Assembly plant for Toyota Vehicles at Chittagong.	Bangladesh	Aftab Automobiles, Dhaka	ATAB Automobiles	-
43.	Warehouse at Chittagong.	Bangladesh	Elite Internatinal Ltd., Chittagong.	Elite Chittagong	-
44.	Factory Building for Pharmaceutical Industries at Chittagong.	Bangladesh	Therepeatics Department, GOB	GOB	-
45.	22-storied Second Annex Building for Head Office, Dhaka.	Bangladesh	Bangladesh Bank, Dhaka.	Bangladesh Bank	-
46.	Jamiatul Fallah Islamic Centre & Mosque Complex at Chittagong.	Bangladesh	Jamiatul Fallah, Chittagong.	Jamiatul Fallah	-
47.	Master Planning for Jahangir Nagar University (Community Complex and Residential Quarters).	Bangladesh	Jahangir Nagar University, Dhaka.	Jahangir Nagar University	-
48.	Institute of Modern Languages for Dhaka University	Bangladesh	University, of Dhaka	Dhaka University	-
49.	Institute of Bangladesh Studies at Rajshahi University	Bangladesh	Rajshahi University.	Rajshahi University	-
50.	10 Stored Administrative Building at Kamlapur, Dhaka	Bangladesh	Bangladesh Railway	GOB	10 stored administrative building at Kamlapur provide office accommodation for railway officers and staff, services facilities, parking area and other utility services.
51.	Food Godowns at different places in Bangladesh (47 nos. with total capacity of 35,000 tons).	Bangladesh	Bangladesh Development Corporation for Ministry of Food & Civil Supplies	GOB	-

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52.	Bangladesh Shishu Academy Comprising of Administrative Building, Auditorium and Museum.	Bangladesh	Bangladesh Shishu Academy.	GOB	-
53.	Science Faculty Building for Chittagong University.	Bangladesh	Chittagong University.	Ctg. University	-
54.	a) Construction of Executive Director's Residence at Minto Road, Water Tower and Underground Reservoir at Motijheel Dhaka; and Manager's Bangalow and Rest House at Khulna	Bangladesh	: Bangladesh Bank, Dhaka	Bangladesh Bank	-
55.	b) One 24-Storeyed New Annexe Building at	Bangladesh	: Bangladesh Bank, Dhaka	Bangladesh Bank	-
56.	c) Mosque & Canteen Complex at Motijheel	Bangladesh	: Bangladesh Bank, Dhaka	Bangladesh Bank	-
57.	d) 16-Storeyed Residential Building at R.K. Mission Road, Dhaka.	Bangladesh	: Bangladesh Bank, Dhaka	Bangladesh Bank	-
58.	Multi-Storeyed Hostel for 1000 students for Chittagong University.	Bangladesh	Chittagong University	Ctg. University	-
59.	Dhaka American Society School at Gulshan,	Bangladesh	USIS	USIS	-
60.	Multi-Storeyed Residential Quarters at Siddhirganj.	Bangladesh	Bangladesh Power Development Board	BPDB	-
61.	USIS Multi-purpose Hall at Dhanmondi, Dhaka.	Bangladesh	USIS, Dhaka	USIS	-
62.	Market at Gulshan (South), Dhaka.	Bangladesh	Dhaka Improvement Trust, Dhaka	DIT	-
63.	a) Vertical Extension from 6 th Floor to 16 th Floor of Islam Chamber at 125 A, M.C.A. Dhaka.	Bangladesh	Islam Brothers Properties Ltd	Islam Brothers Properties Ltd	-
64.	Bus and Truck Assembly Plant and Ancillary Buildings at Chittagong.	Bangladesh	Progoti Industries Limited. (PIL)	PIL	-
65.	Jute Mills Machinery Manufacturing Plant at Chittagong.	Bangladesh	Gulfra Habib Limited	Gulfra Habia Limited	-

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66.	SOS Children's Village at Shyamoli, Dhaka	Bangladesh	SOS Children's Village International	SOS	-
67.	Air-conditioned Textile Mill & Ancillary Structures, Dhaka.	Bangladesh	Rahman Textile Mills, Dhaka	Rahman Textile Mills	-
68.	Sheds, Garages, Workshops and Offices at Chittagong.	Bangladesh	Chittagong Port Trust.	Ctg. Port Trust	-
69.	Centralised Electrical Workshops and Offices at Chittagong.	Bangladesh	Chittagong Port Trust.	Ctg. Port Trust	-
70.	Housing for Board of Intermediate and Secondary Education, Jessore.	Bangladesh	Board of Intermediate & Secondary Education.	GOB	-
71.	Housing Colony for Ghorasal Thermal Power Station.	Bangladesh	Bangladesh Power Development Board.	BPBD	-
72.	Class Room Building of Thakurgaon College	Bangladesh	Thakurgaon College	Thakurgaon College	-
73.	Multi-storied Students' Hall and Faculty Building at Mymensingh.	Bangladesh	Agricultural University, Mymensingh	GOB	-

Road Sector

Sl. No.	Project Name	Client	Period of Execution	Total value of the services (Contract Value)	Project Length & Carriageway width	Type of Service rendered by your firm
1.	Project Implementation Consulting services (Construction Supervision, Procurement Assistance) for Improvement of Cumilla (Mainamati)-Brahmanbaria (Dharkhar) National Highway as 4-Lane National Highway Project. (Package No.: GDP-04)	RHD	Start Date: June 2024 Completion Date: Ongoing	BDT TK 4,103.90 Lacs	Length: 54.00 km. 04 Lane	The services include: <ul style="list-style-type: none"> Review the detailed design of road (geometric) and culvert and review of Bridge/Culvert, Flyover, Underpass Design, BoQ and Cost Estimates Assist Client in Tendering (Pre-Qualification of Contractors, Bid Evaluation & Contract Awarding Services) Re-Settlement Surveys Environmental Studies Training & Technology Transfer Providing other procurement/contract related supports, Providing Construction Supervision of civil works, and Providing other technical support including traffic management and road safety plan application upon RHD's request. In addition to the above services, the consultants will undertake maintenance quality checks for the project road regarding technical, contractual and financial aspects of the project implementation.
2.	Consulting services for Design Review and Enhancement Consultancy (DRC) Services for Improvement of Sylhet-Tamabil-Jaflong Road (N2) to a 4-lane Highway and Construction of Service lanes on both sides.	RHD	Start Date: July 2019 Completion Date: June 2020	Tk. 309.36 Lacs	Length: 56.2 km.	The services include: <ul style="list-style-type: none"> Inventory, Condition and Traffic Survey Procurement Support Detailed Engineering Design Road Safety Audit Economic and Financial Assessment Poverty and Social Assessment Environmental and Climate Change Risk Assessment
3.	Providing Consulting services for Review of Pavement, Bridge, Culvert Design and Supervision of Construction works for widening the Barayerhat-Heanko-Ramgarh Road (R-151 & R-152) under Chattogram Road Division.	RHD	Start Date: August 2021 Completion Date: December 2025	Tk. 11,46.37 Lacs	Length: 38.00 km.	The services include: <ul style="list-style-type: none"> Review the detailed design of road (geometric) and culvert and review of Bridge/Culvert, Design, BoQ and Cost Estimates Assist Client in Tendering (Pre-Qualification of Contractors, Bid Evaluation & Contract Awarding Services) provide procurement/contract related supports, provide construction supervision to civil works, and

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						<ul style="list-style-type: none"> provide other technical support including traffic management and road safety plan application upon RHD's request. In addition, the consultants will undertake maintenance quality checks for project road regarding technical, contractual and financial aspects of the project implementation.
4.	Consulting services for "Carrying Out Classified Traffic Count Survey of RDH Road Network of Dhaka, Mymensingh and Sylhet Zone (Package No-HDM/2018-19/SR-1)."	RHD	24/01/2019 - 23/05/2019	Tk. 96.60 Lacs	Classified Traffic Count Survey at 320 stations of Dhaka, Mymensingh and Sylhet Zones	<p>The services include:</p> <ol style="list-style-type: none"> Carrying out Classified Traffic Count Survey (over a continuous 48 hr time period) in selected 320 traffic stations of RHD Road Network of Dhaka, Mymensingh and Sylhet Zone; Submitting GPS location integrated video record file of the continuous 48-hour survey at each traffic station along with the hard and soft copy of the datasheet in prescribed format(s) as per the Manual; and Updating the RHD RMSS database accordingly. The service shall be completed within 4 (months) from the date of commencement. <p>The works included (the scope of works) updating the database of the road network is as follows:</p> <ul style="list-style-type: none"> Classified Traffic Count Video Traffic Surveys in the same location of the classified traffic count
5.	Consulting services for "Carrying out Classified Traffic Count Survey of RHD Road Network of Rajshahi and Rangpur Zone (Package No-HDM/2018-19/SR-3)."	RHD	24/01/2019 - 23/05/2019	Tk. 94.56 Lacs	Classified Traffic Count Survey at 290 stations of Rajshahi and Rangpur Zones	<p>The services include:</p> <ol style="list-style-type: none"> Carrying out Classified Traffic Count Survey (over a continuous 48-hour time period) in selected 290 Traffic Stations of RHD Road Network of Rajshahi and Rangpur Zones; Submitting GPS location integrated video record file of the continuous 48 hour survey at each traffic station along with the hard and soft copy of the datasheet in prescribed format(s) as per the Manual; and Updating the RHD RMSS Database accordingly. The services were to be completed within 4 (months) from the date of commencement. <p>The work included in the scope of works to update the database of the road network is as follows:</p> <ul style="list-style-type: none"> Classified Traffic Count Video Traffic surveys in the same location of the classified traffic count

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6.	Road Safety Audit of Joydebpur-Mymensingh (N3), Kanchpur-Daudkandi and Chittagong-Cox's Bazar (N1), Kashinathpur-Rajshahi (N6) and Dhaka-Aricha (N5) (Total 500 Kilometer) National Highway during the Fiscal Year 2017-2018.	RHD	Start Date: April 2018 Completion Date: June 2018	Tk. 74.99 Lacs	Road Safety Audit of Total 500 km National Highway during the Fiscal Year 2017-2018.	Road Safety Audit of sections of Joydebpur-Mymensingh (NJ), Kanchpur-Daudkandi and Chittagong-cox's bazar (N1), Kashinathpur-Rajshahi (N6) and Dhaka-Aricha (N5) (Total - 500 Km) of National Highway during 2017-2018.
7.	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.	Bangladesh Army	Start Date: April 2014 Completion Date: Mar. 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 construction of the Main Bridge and River Training Works are implemented in an economical and efficient manner consistent with internationally accepted standards 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 CSC services 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 & Other 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.</p> <ol style="list-style-type: none"> Review the tender stage designs of the works completed earlier for adequacy and standards and provide comments thereon, if any; Obtain Client's approval, as necessary, for any major changes required in the designs already completed for bidding stage before finalization of Construction Drawings; Incorporate all changes in design/drawings as agreed with the Client; Carry out review of data and site investigations already carried out for all elements of the works; 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 the purpose of preparation of designs and construction drawings for approval of the Client. The Consultants

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						<p>shall coordinate between the Client and such other agencies responsible for carrying out the aforesaid surveys, investigations, model studies, etc.</p> <p>vi. Prepare a supplementary design report by way of updating the tender level Project design report giving in sufficient details, additional investigations carried out, additional design analyses, applied results of significant additional computation besides basic points;</p> <p>vii. With the approval of the Client, carry out all additional designs/modifications of designs that may emerge during project implementation.</p> <p>viii. The consultants 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>ix. The consultants 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, the consultants would carry out needed surveys, investigations and prepare design and bidding documents.</p>
8.	Consulting services for Construction Supervision and Project Management of Rajapara-Payra Port Connecting Road.	Payra Port Authority	Start Date: March 2017 Completion Date: April 2019	Tk. 448.00 Lac.	Length 5.01 Km	<p>The Scope of Consulting services include:</p> <ul style="list-style-type: none"> • Review sub-soil investigation report and other related data • Review road and structural design • Construction supervision of RCC Road, Structures and other related Structures • Project Management and Contract Administration • Arrange monthly meeting
9.	Consulting services for Construction Supervision of Link Road from Dhaka Trunk Road to Baizid Bostami Road including Loop Road at the outer periphery of AUW (Asian University for Women) under Chittagong Development Authority.	CDA	Phase – I Start Date: 01/06/2015 Completion Date: May 2017	Tk. 339.15 Lacs	Length 6.00 Km Width 14.60m	<ul style="list-style-type: none"> • The Scope of Consulting services include: • Detailed design of road (geometric) and culvert and Bridge/Culvert, Hill Slope Protection, Design, BoQ and Cost Estimates • Construction supervision, • Quality Control of Road and Bridge Construction Work, • Design Review on the basis of actual field condition,

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	Phase – I : Design Phase Phase – II : Construction Supervision Phase					<ul style="list-style-type: none"> Prepare and submission of report
10.	Consulting services for Detailed Digital Survey and Feasibility Study including IEE (Initial Environmental Examination) and EIA (Environmental Impact Assessment) of the proposed Project "Construction of Road, Bridge and Culver from Madani Avenue-Barabaraid to Dhaka-Sylhet Highway near Bhulta via Navagram (Major Road 5A, 5B & widening of Major Road 5)	RAJUK	Start Date: November 2017 Completion Date: March 2018	Tk. 57.38 Lacs	Length <ul style="list-style-type: none"> 3.89 km 5.21 km and 6.15 km 	Firms responsibility includes Feasibility Study; IEE (Initial Environmental Examination); Engineering Study (Preliminary); Economic Analysis (Benefit-Cost Ratio, EIRR etc.); Road Alignment including intersection survey and data collection (best possible); Alternative Layout; Study and Evaluation of existing & collected data; Traffic survey and Traffic Forecast; Study on Road Safety; Socio Economic Study, Survey and Analysis; Resettlement Study; Hydrological Survey; Study on existing structures; Study of required structures i.e. Bridge, Flyover and Intersections, cloverleaf and other drainage structures and their preliminary design with cost estimates. Detail Topography survey using total station.
11.	Feasibility Study for the Project "Construction of Road from Airport Road (Shalbagan Mor) to By-Pass Connection Road and Kapasia Bazar to Sucharan Mor."	RDA	Start Date: March 2017 Completion Date: April 2017	Tk. 3.50 Lacs	Length 1.10 km Width 18.28m (60feet). and Length 2.35 km Width 24.38m (80ft).	The Scope of Consulting services include: <ul style="list-style-type: none"> Traffic Survey, analysis and demand forecasting; Preliminary Engineering design and cost estimate; Social Impact Assessment; Environmental Impact Assessment; Economic and Financial Evaluation.
12.	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 19.350 Km Width 7.30m	<ol style="list-style-type: none"> Feasibility Study <ol style="list-style-type: none"> Detailed Traffic Survey (O-D Survey, Traffic Analysis, Traffic Forecast etc.) Optimization of alignment, length, location of Bridge and Road. Geotechnical investigation, geological mapping; seismic study, hydrological survey. Detailed EIA (Environmental Impact Assessment) and EMMP. Assessment of resettlement requirements and preparation of action plan. Land Acquisition Plan. Economic and financial evaluation determining BCR, EIRR, FIRR, NPV etc. Detail engineering design for the Project Road, which consists of: <ol style="list-style-type: none"> Detail topographical surveys including volume of earth work calculation required for embankment construction Engineering design and cost estimates for the proposed road Identification of location of drainage structures Project Appraisal Report consisting of financial and economic analyses

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						<ul style="list-style-type: none"> v. Social and environmental assessment in accordance with government regulations and policies. 3. Detail engineering design for Bridges and Culverts: <ul style="list-style-type: none"> i. Sub-soil Investigations/Other Field Tests ii. Detailed Engineering Design iii. Estimate, BOQ, Specifications & Tender Documents
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. Phase – I : Design Phase	CDA	Phase – I Start Date:25/11/2010 Completion Date:24/02/2012	230.00 Lacs	Length 6.00 Km Width 14.60m	<ul style="list-style-type: none"> • Field Surveys • Sub-soil Investigations/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.	Consulting services for Detailed Design and Construction Supervision of Sylhet-Tamabil-Jafflong Road Improvement Project.	RHD	Start Date: 8/2/1998 Completion Date: 30/4/2002	1.402 Million	Length 61Km Width 7.30m	<ul style="list-style-type: none"> • Field Surveys • Sub-soil Investigations/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
15.	IDA financed Construction Supervision for Rehabilitation of Dhaka-Sylhet Road Project	RHD	Start Date: 14/5/1999 Completion Date: 30/12/2004	5.90 Million	Length 223.5 Km Width 7.30m	<ul style="list-style-type: none"> • Field Surveys • Design Review • Assist Client in Pre-Qualification of Contractors, Bid Evaluation & Contract Award Services • Pre-investment & Feasibility Studies

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						<ul style="list-style-type: none"> • Settlement Surveys & Value Analysis • Environmental Studies • Training & Technology Transfer
16.	Detailed Engineering Design (DED), Project Management and Supervision Consulting services for Construction of Andkoy – Aquina Road	MPW	Start Date: July 2007 Completion Date: April 2013	USD 1.24 million (BDT 104.16 million)	Length 32 Km Width 7.00m	<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
17.	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)	Length 51 Km Width 7 & 14 meter	<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
18.	Design Review, Supervision Consultancy Service of Jabul Saraj-Nijrab Road Project	MPW	Start Date: November 2010 Completion Date: July 2018	USD 2.184 million (BDT 183.456 million)	Length 50 Km Width 7.0 m	<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
19.	Design review, Supervision Consultancy for construction supervision of Fayzabad	MPW	Start Date: Mar 2012	USD 4.144 million	Length 43 Km Width 7.0 m	<ul style="list-style-type: none"> • Field Surveys

Sl. No.	Project Name	Client	Period of Execution	Total value of the services (Contract Value)	Project Length & Carriageway width	Type of Service rendered by your firm
	- Eshkashim (43 km) (Fayzabad-Beharak) Road Project.		Completion Date: July 2018	(BDT 348.096 million)		<ul style="list-style-type: none"> • 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
20.	Khulna By-pass Road under Rupsa Bridge Construction Project	RHD	Start Date: 17/6/2001 Completion Date:30/3/2006	US\$ 16.80 Million, (Tk. 100.80 crores)	Length 17 Km Width 7.30m	<ul style="list-style-type: none"> • Field Surveys • Sub-soil Investigation/Other Field Tests • 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
21.	Consulting services for Detailed Design and Construction Supervision of Sylhet-Tamabil-Jaflong Road Improvement Project. (Sylhet Town Bypass with Link to Sylhet-Fenchuganj Road).	RHD	Start Date: 24/6/2002 Completion Date:30/7/2005	0.49 Million	Length 14.89Km Width 7.30m	<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
22.	Construction of Purbachal Link Road (Debogram-Progoti Sharani Connecting Road)	RAJUK	Start Date: March, 2009 Completion Date: June 2011	Tk. 184 Lacs (US\$ 0.27 Million)	Length 7.0 Km Width 30 m	<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

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						<ul style="list-style-type: none"> Assist Client in Pre-Qualification of Contractors, Bid Evaluation & Contract Award Services Project Management & Construction Supervision Settlement Surveys & Value Analysis Environmental Studies
23.	Design, Supervision & Monitoring of Madani Avenue Road Project (form Progoti Sarani Intersection to Balu River) Phase – I : Design Phase Phase – II : Construction Supervision Phase	RAJUK	Start Date: 5/6/2011 Completion Date: 30/12/2013	133.00 Lacs	Length 6.18 Km Width 21.6& 7.30m	<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
24.	Road Condition Assessment Works of RHD Road Network during the year 2012-2013 (East Zone of Bangladesh)	RHD	Start Date: May 2013 Completion Date: September 2013	Tk. 354 Lacs	Road Condition Assessment Works on RHD road networks of about 10800 Km Road.	<p>Consulting services provided by SARM Associates Limited, Dhaka for National & Regional Highways Network under RHD all over Bangladesh.</p> <p>The detailed of assessment works are as follows:</p> <ul style="list-style-type: none"> Road Inventory Survey: Road Inventory includes Location Referencing Point (LRP) Survey, Carriage way Inventory and Drainage Inventory etc. of 10,600km Roads. Road Condition Survey: Road Condition Survey will carry out for 10,600km of roads Classified Traffic Count: A traffic assessment will be carried out on the national, regional and zilla road networks of about 600 stations selected by RHD. Test Pit Inventory: Test pit Inventory will be carried out at 10,600 points GPS Survey: GPS survey will be carried out for 2,000km on selected roads Road User Cost Survey: Road user cost survey will be carried out all over Bangladesh which includes VOC, TTC, ACC and Secondary Data
25.	Road Condition Assessment Works of RHD Road Network during the year 2012-2013 (West Zone of Bangladesh)	RHD	05/2013 - 09/2013	Tk. 340 Lacs	Road Condition Assessment Works on RHD road	<p>Consulting services provided by SARM Associates Limited, Dhaka for National & Regional Highways Network under RHD all over Bangladesh.</p> <p>The detailed of assessment works are as follows:</p>

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					networks of about 10600 Km Road.	<ul style="list-style-type: none"> • Road Inventory Survey: Road Inventory includes Location Referencing Point (LRP) Survey, Carriage way Inventory and Drainage Inventory etc. of 10,800km Roads. • Road Condition Survey: Road Condition Survey will carry out for 10,800km of roads • Classified Traffic Count: A traffic assessment will be carried out on the national, regional and zilla road networks of about 600 stations selected by RHD. • Test Pit Inventory: Test pit Inventory will be carried out at 10,800 points • GPS Survey: GPS survey will be carried out for 2,000 km on selected roads
26.	Road Condition Assessment Works of RHD Road Network during the year 2009-2010	RHD	04/2010 - 08/2010	USD 0.13 million	Road Condition Assessment Works on RHD road networks of about 7,420 Km Road.	<ul style="list-style-type: none"> • Consulting services provided by SARM Associates Limited, Dhaka for National & Regional Highways Network under RHD all over Bangladesh. <p>The detailed of assessment works are as follows:</p> <ol style="list-style-type: none"> a) Road Condition Assessment: 7,420 KM b) Classified Traffic Count: 100 Stations c) Video Traffic Count: 100 Stations.
27.	Road Condition Assessment Works of RHD Road Network during the year 2008-2009 (Package-2)	RHD	04/2009 - 07/2009	USD 0.27 million	Road Condition Assessment Works on RHD road networks of about 9,137 Km Road	<p>Consulting services provided by SARM Associates Limited, Dhaka for National & Regional Highways and Zilla Road Network under RHD under Package 02 covering Rangpur, Rajshahi, Khulna and Barisal Zone. The detailed assessment works are as follows:</p> <ol style="list-style-type: none"> a) Road Condition Assessment: 8953.83 km b) Benkelman Beam Test (Pavement deflection test): 3326 Stations c) Classified Traffic Count: 485 Stations d) Video Traffic Count: 50 Stations.
28.	Road Condition Assessment Works of RHD Road Network during the year 2007-2008	RHD	12/2007 - 06/2008	USD 0.27 million	Road Condition Assessment Works on RHD road networks of about 14,427 Km Road	<p>Consulting services shall be provided by Dev Consultants Limited, Dhaka, SARM Associates Limited, Dhaka, Desh Upodesh Limited, Dhaka, Brothers Consultants and Engineering Limited, Dhaka for National & Regional Highways and Zilla Road Network under RHD under Package 01 covering Dhaka, Chittagong and Comilla Zone.</p> <p>The detailed assessment works are as follows:</p> <ol style="list-style-type: none"> a) Road Condition Survey = 14,427 km; b) Classified Traffic Count = 732 Points;

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						c) Benkelman Beam Deflection Test = 3,078 points;
29.	Road Condition Assessment Works of RHD Road Network (Package 01)	RHD	06/2004 - 12/2004	USD 0.43 million	All over the country.	<p>Consulting services shall be provided by SARM Associates Ltd. & Desh Upodesh Ltd. for National & Regional Highways and Zilla Road Network under RHD under Package 01 covering Dhaka, Chittagong and Comilla Zone.</p> <p>The detailed assessment works are as follows:</p> <ul style="list-style-type: none"> • Pavement Inventory; • Road Condition Assessment; • Benkelman Beam Test (Pavement deflection test); • DCP Test; • Classified Traffic Count; • Test pit Inventory; and • Bridge and Culvert Condition Assessment etc.
30.	NDF funded Road Safety Measures on National Regional Roads	RHD	Start Date: November 1998 Completion Date: March 2002	Tk. 412.147 Lacs	All over Bangladesh	<p><u>Phase 1: Assistance to IDC for Identification of Road accident-prone Location.</u></p> <ol style="list-style-type: none"> 1. Identification of location of specific accident-prone spots (black spot) on the national and regional roads of Bangladesh using IDC's accident recording and analysis system. 2. Review the available reports and data on accidents, traffic volume, and road inventory for the target roads. 3. Assist IDC in carrying out an information campaign and conduct seminars for the traffic police. <p><u>Phase 2: Safety Measures in Road Design.</u></p> <ol style="list-style-type: none"> 1. Review the road design standards. 2. Review standard designs incorporating safety features. 3. Conduct seminars on road safety designs and low-cost remedial measures for engineers of RHD, BRTA and the major domestic consulting firms. 4. Undertake detailed design incorporating safety features and prepare tender documents. 5. Prepare suitable contract packages. <p><u>Phase 3: Construction Supervision.</u></p> <ol style="list-style-type: none"> 1. Assist and guide RHD in construction supervision of civil works for low-cost accident preventive measures. 2. Assist RHD in procuring kilometer stones of a standard design. <p><u>Phase 4: Training (with IDC) in Road Safety Enforcement and Education.</u></p>

Sl. No.	Project Name	Client	Period of Execution	Total value of the services (Contract Value)	Project Length & Carriageway width	Type of Service rendered by your firm
						<ol style="list-style-type: none"> 1. In country training of RHD and BRTA staff in accident or preventive measures of road design, safety audits and in carrying out detailed engineering for improvement of "black spots", as well as training of the traffic police in accident-related law enforcement, and for education campaigns, particularly aimed at the younger generation. 2. Advise and introduce road safety measures in road design. The road improvement works under the project included: channelization of intersections, easing sharp curves, construction of roadside bus bays and off-road parking areas for buses and trucks, construction of crash barriers in the median and at the roadside, construction of separate lanes for slow moving vehicles, road widening of market areas, upgrading of pedestrian crossing both at level and by construction of over-passes and reduction of roadside activities and encroachment. <p><u>Phase 5: Impact Monitoring and Evaluation.</u></p> <ol style="list-style-type: none"> 1. Carry out impact monitoring and evaluation of the effectiveness of the various accident preventive measures. 2. Preparation of Traffic Signs Manual.
31.	DANIDA Financed Dhaka Aricha Highway Rehabilitation Project (Design, Tendering & Construction Supervision)	RHD	Start Date: May 1993 Completion Date: March 1999	US\$ 0.38 Million	Road length 62km& width 6.70m Construction of 1 new bridge, Rehabilitation and Repair of 53 bridges and construction of 2 nos. box culverts.	<p>The Dhaka to Aricha Highway is an integral part of the main highway link between Eastern and Western Bangladesh. It was constructed in early sixties and needs immediate reconstruction or strengthening of the pavement and repair and improvement of bridges and culverts due to a combination of age, past neglect and ever increasing heavy traffic consisting of 6000 vehicles per day.</p> <p>About 61 km of road from Savar Bazar (26 km) upto Aricha Ghat (87 km) has been rehabilitated which includes 48.90 km of pavement construction, 12.10 km of overlay with widening of road by 6.70 meter. The rehabilitation works also include construction of 1 new bridge, rehabilitation and repair of 53 bridges and construction of 2 nos. box culverts.</p> <p>The Construction cost of the Project is Tk. 260 Crores from Govt. of Bangladesh (US\$ 48 million) which include Tk. 220 Crores grants from Danish Govt. and Tk. 40 Crores from Govt. of Bangladesh.</p>
32.	Road Rehabilitation and Maintenance Project. (NW) (RRMP) (Funded By IDA), Package 1 & 2	RHD	Start Date: February 20, 1988 Completion Date: March 1995	US\$ 4,574,299 BDT 875,86,400	Length: 306 Km. Package 1 & 2 2- Lane Highway Width: 5.5 Meters Widening, Re- Construction,	Design and Supervision of Construction works & Maintenance: Design, preparation of drawings, Contract documents etc., Inspection of works of the Contractor, interpret drawings, review contractor's shop drawings, execute measurements, certify works, certify interim & final payments, day-to-day site supervision, control & monitor progress of works in terms of physical & financial, ensure quality of works by field & laboratory tests, guide the contractor, records of all tests, preparation of

Sl. No.	Project Name	Client	Period of Execution	Total value of the services (Contract Value)	Project Length & Carriageway width	Type of Service rendered by your firm
					Rehabilitation & Maintenance of Road	monthly progress reports & submission to the Client, ensure quality of materials provided by the Contractor, maintain records of contractor's staff, machinery on site and materials at site, issuance of necessary instruction to the Contractor, report to Client for approval or Rejection of works, ensure rectification of any defects of work by the Contractor, issuance of completion certificate etc. and a key element of the project to transfer skill and training program to RHD personnel.
33.	Supervision of Strengthening of Pavement Work of Feni Bypass Road. (IDA Credit No. 1301-BD)	RHD	Start Date: November 23, 1983 Completion Date: November, 1985	Tk. 4,094,750	Length: 17.71 Miles Pvt. Width: 22 ft. Crest Width: 40 ft. Construction Supervision of Strengthening of Pavement Work of Feni Bypass Road	Supervision of Construction works: Inspection of works of the Contractor, interpret drawings, review contractor's shop drawings, execute measurements, certify works, certify interim & final payments, day-to-day site supervision, control & monitor progress of works in terms of physical & financial, ensure quality of works by field & laboratory tests, guide the contractor, records of all tests, preparation of monthly progress reports & submission to the Client, ensure quality of materials provided by the Contractor, maintain records of contractor's staff, machinery on site and materials at site, issuance of necessary instruction to the Contractor, report to Client for approval or Rejection of works, ensure rectification of any defects of work by the Contractor, issuance of completion certificate etc.