

TPA Project List

SI	Project Name	Description	Client	Status	From (Date)	To (Date)
1	Artificial Intelligence based Traffic Survey and Analysis on Dhaka-Mawa Highway	In this study we have captured traffic data on 7 locations on the Dhaka-Mawa Highway. The survey took continuous 7 days of video and later we prepared classified traffic counts and spot speed in each direction processed by AI based software. Our client was a PhD student of Imperial College, London. Later we have provided basic analysis of the survey data. One of the components of the project is to provide comprehensive training on traffic modelling software VISSIM.	Mr. Mamun Rashid (PhD researcher of Imperial College, London)	Completed	August 2022	May 2023
2	Transport Planning Consultancy Service for Further Extension and Development of Bangabandhu Sheikh Mujibur Rahman Agricultural University	Conducting detailed assessment (vehicle movement analysis) of the site and its surroundings. Report on assessment of demand for the site through survey, consultation etc. and projecting the demand for future. Propose a circulation plan (transportation plan) considering the growth of traffic for next 50 years (at least), i.e., Traffic Impact Assessment (TIA). This study uses a four step modelling process and intersection performance analysis using "Junction 9" modelling software.	Sheltech Consultants (Pvt.) Ltd	Completed	October 2022	May 2023
3	Traffic and Transport Engineering Service for Shirajgonj Economic Zone	Traffic Engineering service which include traffic circulation plan, swept path analysis, and traffic safety audit.	Idyllic Design	Completed	September 2022	October 2022
4	Traffic and Transport Engineering Service for Dulal Brothers Industrial Park Development	Traffic Engineering service which include traffic circulation plan, swept path analysis, and traffic safety audit.	Idyllic Design	Completed	October 2022	November 2022
5	Bangabandhu Sheikh Mujibur Rahman Agricultural University Traffic Survey	In this study we have installed traffic cameras on 4 intersections in Bangabandhu Sheikh Mujibur Rahman Agriculture University, Gazipur and provide classified traffic counts and pedestrian counts.	Sheltech Consultants (Pvt.) Ltd	Completed	June 2023	July 2023
6	Consultancy Service for Review & Update of Nawabganj Upazila Development Master Plan under UTMIDP	Provide a Senior Traffic and Transport Consultant. Tasks include the following. - Reviewing the existing transport situation of the Master Plan Area. - Analyze the local and regional transport issues and future trend.	Sheltech Consultants (Pvt.) Ltd; LGED	On-going	July 2023	
7	Consultancy Service for Preparation of Monoharganj, Lalmai and Gowainghat Upazila Master Plan under "Upazila Town (Non-Municipal) Master Plan	- Guide conducting different traffic and transport surveys and studies	Sheltech Consultants (Pvt.) Ltd; LGED	On-going	September 2023	

	Preparation and Basic Infrastructure Development Project (UTMIDP)	<p>- Suggest core transport network for Upazila and its linkages with surrounding Upazilas and higher order centers and strategic infrastructures.</p> <p>- Prepare Urban Transportation and Traffic Management Plan, rural accessibility plan and transport node development plan etc.</p>				
8	Customizable Integrated Traffic Management System (CITMS)	<p>Customizable Integrated Traffic Management System (CITMS) is developed based on the nature and needs of Dhaka City Traffic Management. As the mega city has numbers of road users with excessive traffic flow the customization and integration are significantly necessary to improve the traffic system.</p> <p>CITMS is not only a solution of operating and managing the Traffic system but also address the Engineering, Enforcement and Educational improvement of special type of congestions of Dhaka city thorough the Application.</p> <p>CITMS application has the unique features that coordinates with all the stakeholders (DSCC, DNCC, DMP, BRTA, DTCA, ARI-BUET, Roadsafety Cell, RHD, DoE, DESCO, ICT, A2I, RAJUK, UNB, UGC) of Dhaka traffic system.</p> <p>CITMS is developed by the Bangladeshi Engineers, Planners and Architects from an intense Research and Development. Addressing all the traffic challenges the system has kept customizable solution for enhancing the traffic efficiency.</p> <p>CITMS is consisted with three major components:</p> <p>The System engineering is developed in Bangladesh and the hardwires are assembled and manufactured in Bangladesh. The software is developed as open architecture system where any components/features can be added.</p> <p>CITMS is cost effective and scalable solution. Within the shortest time (one month) numbers of the Signal Control Unit can be installed in any intersection.</p> <p>CITMS has tried to accommodate all facilities of pedestrian with the best possible controlling system</p>	Own funded Research Project	On-going	May 2022	
9	Traffic Survey for the Chattogram Transport Master Plan and MRT Pre-Feasibility Study Project of KOICA.	<ul style="list-style-type: none"> ▪ Development of survey implementation plan ▪ Implementation of survey and input of the results ▪ Inspection and quality control ▪ Preparation of survey report <p>Types of Surveys conducted under this project:</p> <ol style="list-style-type: none"> 1. Road Inventory 2. Household Interview Survey 3. Traffic Volume Survey 	YOOSHIN, TESO, Kunhwa JV; funded by KOICA	Completed	September 2023	January 2024

		4. Roadside Interview Survey 5. Pedestrian Volume Survey 6. Stated Preference Survey 7. Public Transit (Intra-city) Survey 8. Public Transit (Inter-city) Survey 9. Public Transit (Rail & air) Survey 10. Public Transit (Water Transport) Survey 11. Freight Survey 12. EPZ Survey 13. Vehicle Speed Survey				
10	Safe Urban Public Transportation in Chattogram City: Public Transport Stop Location Identification Guideline and Design	<ul style="list-style-type: none"> ▪ Preparing guidelines for selecting PT Stop location ▪ Preparing a guideline to design for bus stops and its elements ▪ Identifying a corridor to demonstrate the stop locations according to the guideline ▪ Demonstrating a methodology to identify bus stop locations on that study corridor ▪ Discussing with stakeholders (CCC, BRTA and CMP) to finalize the PT stop location guideline and designs ▪ Presenting the findings in a national workshop participated by relevant stakeholders and ▪ Preparing a report. 	YPSA, funded by UNESCAP	Completed	February 2024	June 2024
11	Traffic Count Survey on Port Link/Access Road	<ul style="list-style-type: none"> ▪ Classified Traffic Count Survey in 2 Locations <ul style="list-style-type: none"> ○ Fouzderhat Police Boxand ○ Port Link Road Toll Plaza ▪ 24 hours traffic count (starting from 12 AM Tuesday to 12 AM Wednesday) 13 vehicle classes (RHD classification) 	RhD	Completed	January 2025	January 2025
12	Improvement of Traffic Management System at BSRM Mirsarai	<ul style="list-style-type: none"> ▪ Conduct Drone Survey to Prepare Physical Feature Map of the Estate ▪ Prepare Road Network Plan ▪ Conduct Traffic Safety Audit ▪ Prepare Traffic Management Plan ▪ Prepare Parking Management Plan ▪ Prepare Pedestrian Circulation Plan ▪ Evaluate and provide solutions to the impact of congestion of the National Highway (current and future) and the Train Connectivity (current and future) to the entry and exit of the estate. 	Bangladesh Steel Re-Rolling Mills Limited (BSRM)	On-Going	April 2025	

		<ul style="list-style-type: none"> ▪ Traffic Modelling of the Estate using Vissim and test different scenarios to overcome the current and future traffic management schemes. 				
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