Transport & Infrastructure

Infrastructure and transportation ecosystems are major determinants of economic growth for any country. Robust infrastructure, both physical and institutional, spurs economic activity and improves productivity, facilitates movement of information and goods, and improves social connectivity and permeation of growth activities throughout countries. There is, for example, ample evidence that links the quality of transport and trade-related infrastructure to exports from developing countries, and that inadequate infrastructure heavily contributes to inflated end-market prices, undergirding the importance of good infrastructure as a major step towards trade integration. It is also crucial that developing countries acknowledge that infrastructure must not only be affordable and accessible, but must also be sustainable, on economic, social, and environmental fronts.

e.Gen understands the goals infrastructure development must achieve in developing countries, and taps into this knowledge to provide sustainable solutions to governments and institutions. e.Gen's spectrum of services in this sector includes assistance with development of policies and masterplans for transport, water and sanitation, energy and power, and agricultural infrastructure, urban planning and development, and provision of engineering consultancy services during infrastructure construction.

Key Facts

6
Projects

2
Countries

$1 Million
Project Portfolio

Featured projects

World Bank | Chittagong Strategic Urban Transport Master Plan | Bangladesh

The purpose of this assignment is to improve urban transport in Chittagong. The main objectives of this project are to (a) inform the authorities in Chittagong of measures to improve its urban transport system through the development of a master plan, and (b) prepare prefeasibility studies for bus improvement projects as priority investment. e.Gen aims to complete the objectives through the following key activities: (i) Review of existing transport policies and projects; (ii) Carrying out travel demand and traffic studies; (iii) Developing a strategic level urban transport master plan; (iv) Developing a pre-feasibility study for short-term and long-term priority interventions; (v) Developing institutional restructuring proposal for an efficient and quality public bus service in Chittagong, and for transport management in general..

ADB | PPTA-8597-BAN: Preparing the SASEC Railway | Bangladesh

The project requires a thorough review and update of the current master plan to incorporate the latest government transportation policies and strategic plans that directly impact on Bangladesh Railway (BR) including dual gauge conversion, economic development, and multimodal integration. Assessment of the rolling stock directly follows the Master Plan so that fleet requirements, phase-wise can be translated into rolling stock acquisition plans and maintenance workload. Assessment of the track and permanent way maintenance is also aligned with the Master Plan development blueprint. Establishing a Research and Development wing at BR will be evaluated. The project comprises of 4 modules: (i) Updating the Railway Master Plan; (ii) Rolling Stock Sector Strategy, Investment and Organization Plan; (iii) Track & Permanent Way Sector Strategy, Investment & Organization Plan; (iv) Assessment of Research & Development Wing at BR. The TA project requires the consultants to propose the project design for the ensuing project including rationale, financing and institutional arrangements, detailed costs and benefits, feasibility study, governance strengthening, operation and maintenance arrangements, etc.

ADB | PPTA-8128 BAN: Preparing Coastal Towns Infrastructure Improvement | Bangladesh

The key feature of the TA is to incorporate the recommendations from the ADB CDTA 7890: Strengthening the Resilience of the Urban Water Supply, Drainage, and Sanitation to Climate Change in Coastal Towns, as well as lessons learned from other relevant urban work, including the ADB supported Urban Governance Infrastructure Improvement Project (UGIIP) and Secondary Towns Water Supply Project. The TA project requires the consultants to propose the project design for the ensuing project including rationale, financing and institutional arrangements, detailed costs and benefits, feasibility study of subprojects, pro-poor and gender features, governance strengthening, operation and maintenance arrangements, and conduct safeguards assessments in close consultation with relevant stakeholders including the government, development partners, project communities, and ADB.

World Bank | The Global Economic Crisis and Infrastructure Rapid Country Diagnostic for Mongolia | Mongolia

Technical assistance was provided to advise the Government of Mongolia on the impacts of the economic crisis on the following infrastructural sectors and subsectors; (i) Transport- Roads and Railways; (ii) Water and Sanitation- Water Supply and Wastewater; (iii) Energy- Generation, Transmission and Distribution; (iv) Heating- Generation, Transmission and Distribution. e.Gen accomplished the project objectives through the following outputs: (i) Impact of the crisis on the demand for infrastructure services; (ii) Collecting data on changes in demand by infrastructure sector, e.g., sales in electricity, reduction in railways throughput etc.; (iii) Providing estimates of current demand-supply imbalances by infrastructure sector. The Consultant may use pre-crisis data on infrastructure stocks as a proxy for infrastructure supply if more recent estimates are not available (iv) Collecting updated information on the government/ public utility infrastructure investments and maintenance, in accordance with the DPC matrix indicators; (v) Impact of reprioritization of investment and maintenance expenditure on mid-term future and local employment.

ADB | South Asia Tourism Infrastructure Development Project (SATIDP) - Consultancy Services for Project Management, Design and Supervision Consultancy (PMDSC) | Bangladesh

The SATIDP umbrella project was intended to develop and improve infrastructure and services for key tourism and heritage sites in Bangladesh, India and Nepal. e.Gen was involved in the Bangladesh chapter of the assignment which contained preparation of Master plan and management plan for selected heritage sites, establishment of operating procedures for management, detailed design, bid document preparation, construction supervision and contract monitoring support to Project Management and Implementation Unit (PMIU) of the Department of Archeology, Ministry of Cultural Affairs.

USAID | Bangladesh Agricultural Infrastructure Development Program (BAIDP) | Bangladesh

The project was implemented in twenty southern districts of Barisal, Khulna and Dhaka Divisions. The program area has some of the highest poverty and malnutrition rates and is also extremely vulnerable to the effects of climate change. Situated in the low-lying delta on the Bay of Bengal, the people of this region routinely experience severe tidal surges, annual flooding, and increasing soil and water salinization, which hamper agricultural productivity. LGED under the banner of BAIDP developed market centers, collection center and access road to MC and CC and farm level small irrigation and drainage activities. e.Gen worked with LGED to achieve the project objectives through the following activities: (i) Supporting LGED for the implementation of BAIDP; (ii) Providing engineering support: Conducting survey, Preparing engineering drawing and design; (iii) Preparing tender documents; (iv) Providing construction and supervision support to LGED; (v) Providing planning and monitoring support; (vi) Preparing engineering drawings, designs, engineer's estimates; (vii) Assisting LGED in preparing and implementing project activities, including procurement of works, work related service (viii) Site supervision; (ix) Providing change design and recommending approval; (x) Carrying out technical and topographic survey as per USAID requirement; (xi) Submitting as-built drawings as if differ from original drawing.