

1. Background

To strengthen the institutional capacity of infrastructure development section of Bhimeshwor Municipality, Charikot, Dolakha particularly for the assurance of quality infrastructure development, the sensed need of an additional technical assistance of a Senior Engineer as an expert was decided to recruit for the speedy urban development; construction and rehabilitation of basic infrastructure systems, e.g. urban roads & storm water drainage, wastewater collection and treatment, water supply, bus park system, municipal buildings and, strengthening planning, budgeting and implementation systems for municipal service delivery.

2. Position Title: Senior Engineer

3. Number of Position: 1 (One)

- 4. Position Components: The Senior Engineer comprises following components.
 - a) Component 1: Strategic Municipal Infrastructure planning and Service Delivery Strategic municipal infrastructure priorities will be identified and selected based on municipal infrastructure and existing service gap assessment.
 - b) Component 2: Institutional Strengthening of the Municipality The component will focus on operational costs, training and technical assistance support to strengthen the institutional systems and capacities of municipality for the improved urban management and service delivery in the areas of integrated urban development planning
 - c) Component 3: Design and Supervision This component will provide support to municipality for the planning, design and supervision of quality infrastructure of the municipality projects.
 - d) Component 4: Procurement management This component deals the assistance of public procurement process and procurement administration of municipality.

e) Component 5: Project Management and Coordination

This component will provide support to the municipality for managing, coordinating, and monitoring the implementation of the projects, and also for enhancing federal policy and regulatory role for urban development. More specifically, it will be provision dedication of team building including due diligence, quality control, reporting to the office on technical aspects, analytical studies and assessment, evaluation of the projects as well as support for information management and monitoring system to better track, knowledge-sharing to provide learning and experience-sharing.



The objective of this assignment is to provide engineering services for design and implementation supervision support at Bhimeshwor Municipality under the supervision of Chief Administrative Officer (CAO).

6. SCOPE OF WORK

6.1 The detailed scope of work for this assignment is as follows -

(a) Activity 1 – Planning and design

- Design, cost estimation, supervision and evaluation of all types of buildings (as National I. Building Code). The senior engineer shall conduct feasibility study, analyses of projects covering technical, environmental, social, financial and economic analyses. Detailed engineering survey and preparation of Detailed Project Report (DPR). The senior engineer shall also conduct detailed technical analyses for assessing the operation and maintenance requirements of the project.
- The senior engineer shall plan and design the disaster resilience infrastructures in line with II. the overall climate change and disaster resilience interventions framework Such interventions across key focus sectors include, but not limited to,
 - Municipal road: Construction / pavement of local roads will include design elements a) (such as energy efficient street lighting for disaster prevention and to mitigate climate change)

The design of road and its elements will be based on future traffic projections and road safety principles, sound pavement, earthquake and flood resistant bridges, access to nearby properties etc.

- b) Storm water drainage: Construction, rehabilitation or increased capacity of storm water drainage in roads will contribute to better flood risk reduction.
- c) Street lights: Installation of solar powered street lighting systems will contribute to renewable energy generation, thus reducing GHG emissions.

(b) Activity 2 - Supervision & monitoring and reporting

Support the municipality for the preparation of Quality Assurance Plan (QAP), construction supervision of the projects and contract administration ensuring full compliance with the design, quality assurance and control, implementation specified in the specifications. Conduct detailed assessment for any variations. Preparation of progress/completion reports.

- 7. Period of Performance: The senior engineer will be engaged in the municipality for a period of one fiscal year and extendable.
- 8. Payment: Basic salary according to civil service regulation of Nepal (Equivalent to Level 9), plus facilities-insurance, fuel, travel allowance and others as per municipality rules and decisions.





- 9. Academic Qualification and preferred experiences arised to polytral and preferred experiences arised polytral and preferred experiences.
 a) Master's degree in Civil engineering (Structural Engineering or equivalent).
 - b) Minimum of 5 (Five) years of officer level experience in planning, designing, project management / construction supervision of building projects.
 - c) Experience in public procurement and contract management of infrastructure projects.
 - d) Experience leading a multidisciplinary team.
 - e) Strong leadership, analytical, communications, interpersonal and project management skills.
 - f) Experience of design of structural components; minimum Class B buildings, stadium, museum, bridge etc.
 - g) Work experience of Procurement System: Public-Private-Partnership including (ROI/RFP/LOI) preparation and evaluation.
 - h) Feasibility study of transport systems; bus park, airport.
 - i) Handling EIA/IEE of projects.
 - j) Driving Skill with license.

Chief Administrative Officer