

TERMS OF REFERENCE

Project : Reduction of Landslide Vulnerability by Mitigation Measures Project (RLVMMP)

Position : Surveyor (03 No's)

Funds : Loan No – L0124A, Asian Infrastructure Investment Bank (AIIB)

Objective and Purpose of the Assignment

The RLVMMP aims to reduce landslide risk and severity, minimizing loss of life and economic damage. The project, initiated in 2019 and set to be completed in June 2027, consists of four components and 127 landslide-prone locations. The total cost is USD 101.3 million, funded by the Asian Infrastructure Investment Bank and the Sri Lankan government.

In March 2024, 03 Contracts worth approximately LKR 3.60 billion were awarded under Package 8, covering 22 project sites on a 225 km stretch of the upcountry railway line. Thorough Construction Supervision and Contract Administration are crucial in the timely completion of the Contracts while preventing any disruptions to the upcountry railway transportation system. These tasks will be carried out by the proposed Project Implementation Unit (PIU). The Sri Lanka Railway Department will collaborate on the transportation of men, materials, and equipment, as most sites are inaccessible via the road network.

The 03 No's of Surveyors will provide specialized support in ensuring the accuracy of surveying works, setting out activities, and monitoring construction progress to align with project requirements. This role is vital for maintaining the precision and integrity of construction activities across geographically and topographically challenging sites, ensuring adherence to the highest standards of quality and compliance. These tasks will be carried out in coordination with the assigned PIU, which includes other individual experts and/or staff from the National Building Research Organisation (NBRO), Sri Lanka Railways (SLR), or other relevant entities. This will be overseen under the leadership of the Deputy Project Director (DPD) at the Project Implementation Unit (PIU) located in Nawalapitiya.

Scope of Work

The Surveyor will be responsible for overseeing all surveying activities across construction sites, ensuring the accuracy of the setting out and alignment of works, and verifying that survey control measures are implemented correctly. The expert will review the contractor's survey controls and quality assurance programs, including the verification of benchmarks, control points, and the calibration and use of laser and other survey equipment.

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The Surveyor will perform periodic reviews of field verification programs to ensure the accuracy and reliability of survey activities. They will check the setting out of all works, confirm that control points remain undisturbed, and verify that alignments conform to approved construction plans. The expert will also ensure survey procedures and equipment adhere to project specifications, maintain calibration records, and check excavation and filling survey data to ensure compliance with permissible error limits.

The expert will participate in joint measurements with contractors for completed and ongoing works, produce or verify drawings, and take off quantities as required. The Surveyor will also review and validate as-built drawings and provide support in surveying original and mitigated areas under the guidance of the Deputy Project Director, Site Engineer, or other members of the PIU.

Minimum Qualification Requirement

A licensed Surveyor with Bachelor Degree of Surveying from a recognized university or equivalent qualification

With

a minimum of 5 years' experience, out of which at least 3 years should be relevant to civil construction works, as a surveyor.

The expert should have proven experience in reviewing contractors' survey controls, encompassing benchmarks, survey control points, laser equipment usage, calibration procedures, and field verification. Proficiency in checking the accuracy of control points, alignments, and survey data from excavations and embankments, as well as maintaining calibration records and verifying compliance with specifications, is essential. The expert should also have experience in joint measurements, producing or reviewing survey drawings. The candidate must possess excellent verbal, written, and presentation skills in local languages and be conversant in English. Experience working on similar projects in comparable geographical, topographical, and climatic conditions is preferred.

Period and Places of the Assignment

Period : 10 Months with probable extension.

Duty Station: Nawalapitiya or Bandarawela.