

## TERMS OF REFERENCE

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

**Position** : Resident Engineer (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. 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 Resident Engineers (RE's) are required to guide and manage each of the Contracts mentioned above with the assigned Team comprised of other Individual Experts and/or staff assigned from the National Building Research Organisation (NBRO) and/or Sri Lanka Railway (SLR) and/or others under the Leadership of Team Leader/Deputy Project Director (TL/DPD) located at the Project Implementation Unit (PIU) established at Nawalapitiya.

### **Scope of Work**

The REs are responsible for individually managing one of the assigned Contracts by assisting the TL/DPD in Construction Supervision, Contract Administration, and all technical matters including project management and planning.

The REs role involves a Construction Engineer's responsibilities among many others in overseeing the Contracts in accordance with the Conditions of the Contract, implementing administrative systems and procedures, and establishing a system for Supervising work, Contract Management, Contract Administration, Quality Assurance, Quality Control, Health and Safety, Environment, and Data collection among many other.

The REs oversee the overall management of the professional and technical staff in the Construction Supervision team, and guide, coordinate, and support project activities, ensuring the team works in harmony with other ongoing programs. Assist the TL/DPD in coordinating planning, management, monitoring, and reporting of all project activities.

The REs shall conduct regular comprehensive reviews of detailed designs, advise on construction and contracting methods, review the construction schedule, and maintain quality assurance and records of construction drawings with the assistance of the team. The REs ensure the timely delivery and quality of all

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outputs, including those listed in respective Contracts, in formats acceptable to the Government of Sri Lanka and AIIB.

The REs are responsible for identifying and rectifying technical and managerial issues affecting progress, safety, quality, and compliance with safeguards, ensuring monthly interim/final payment certificates are been submitted, recommending contract variations, implementing and monitoring construction works in compliance with environment management plans, and monitoring compliance with health and safety requirements, participate in final inspections of works and work acceptance, recommend partial, substantial, and final completion certificates, and update and improve the project monitoring and evaluation system and any other as per the Contract and also as per established procedures and protocols.

The REs are responsible for managing the construction works in accordance with detailed designs, standards, and specifications, ensuring the quality of work which includes but is not limited to day-to-day implementation and supervision of the works, reviewing the Contractor's work program and advising any changes, evaluation of change/alteration of designs proposed by the Contractor, conducting Weekly/Biweekly site meetings with Contractors and other Stakeholders and reporting to TL/DTL, supervision of the Contractor's progress control, and responsible for evaluating changes proposed by the Contractor.

The REs provide expert advice and manage relationships with the PMU, PIUU, NBRO, AIIB, and other stakeholders, and support PMU, visiting missions from AIIB. Any other Works assigned by the TL/DPD and the Project Director of RLVMMMP.

### **Minimum Qualification Requirement**

A Bachelor's Degree in Civil Engineering or an equivalent qualification together with Associate Membership of IESL or equivalent,

**And**

a Master's Degree in Geotechnical Engineering, Construction Project Management, Structural Design, Construction Management,

**Or**

Corporate Membership of IESL is preferred.

A minimum of 10 years of relevant experience in the construction industry, out of which 05 years in construction supervision and construction management in a similar position is required. Experience of a minimum of 05 years in slope stabilization/rectification works is a must.

The expert must have experience in managing at least one (01) projects funded by Multilateral Donors where it is required to have experience in handling Engineers responsibilities in Construction Supervision, Construction Management, Contract administration, quality assurance, Environment, Health and safety compliance, risk management, project control, claim management, staff training, and payment certification, all in line with the MDB Harmonized Edition of FIDIC Contracts.

The expert must be proficient in data processing and project management software, such as "Primavera" and/or similar, and possess excellent verbal, written, and presentation skills in English.

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### **Period and Places of the Assignment**

**Period** : 10 Months with probable extension. (to be confirmed by the AIB and PMU).

**Duty Station:** Nawalapitiya or Bandarawela, Sri Lanka.