

Terms of Reference (TOR)

Surveyor (2 positions for Minor Irrigation Schemes) – Full Time Basis – Individual Consultancy Attached to Department of Agrarian Development (DAD) (Equivalent to Level PS 5 Salary Level)

Background

The Smallholder Agribusiness and Resilience Project (SARP), a project jointly financed by the International Fund for Agricultural Development (IFAD) and Government of Sri Lanka, aims to build resilience and market participation of 40,000 rural households in the climate change affected districts of Anuradhapura, Vavuniya, Matale, Mannar, Puttalam and Kurunegala. This is pursued through capacity building for climate resilience and inclusive value chains, combined with investments for climate resilience and inclusive value chains including last mile infrastructure. The lead programme agency is the Ministry of Agriculture, which would be establish a dedicated project management unit (PMU) at central level and two regional hubs the implementation of SARP. The DAD serves as the primary stakeholder in the tank rehabilitation work planned for the hot spot areas of SARP, including the North Western, North Central, and Northern Provincial Councils, as well as the District Secretariats of SARP hot spot areas. These entities focus on the implementation of tanks, feeder roads, and related infrastructure.

Scope of work

Under the overall guidance of the Commissioner General of DAD the Surveyors will take overall responsibility for the planning, all required surveying works related to Minor Irrigation Schemes, design, procurement, supervision and implementation of the cascade/ sub-watershed infrastructure (Tank rehabilitation and feeder road works etc.). In particular the Surveyors (s) will:

- He/ She will support the DAD in conducting **topographic and cadastral surveys** using total station, GPS, or other appropriate equipment.
- He/She, together with the Regional Engineer-DAD (s), will Performing a **tank bed survey** to determine existing contours and storage capacity.
- Surveying **longitudinal and cross-sections of the tank bund**, including bund height, width, slopes, and structural components (sluices, spillways, etc.).
- Carrying out an **engineering survey in the command area**, mapping field channels, drainage paths, and land topography for improved water distribution.
- Collecting data on **existing irrigation structures, terrain features, and water channels**.
- Preparing **accurate maps & drawings** for planning and design.
- Capability of using modern survey technologies including **RTK survey instrument**.
- Submitting a **comprehensive survey report** with findings and recommendations.
- He/she will report to the Commissioner General-DAD through Regional Engineer- DAD

Deliverables

The surveyor shall provide the following outputs:

1. **Survey Plan & Maps** (Topographic and Cadastral) in both hard and soft copies.
2. **Tank Bed Survey Report**, including Area capacity diagrams.
3. **Longitudinal and Cross-Section Drawings** of the tank bund.
4. **Engineering Survey Maps** of the command area with elevation details.
5. **Digital GIS Data** compatible with project planning tools.
6. **Survey Report** detailing methodology, findings, and recommendations.

Qualifications and experience:

Area of qualification / experience	Expected level of qualification / experience
Education:	
Secondary Education	She / He should have a Bachelor's Degree in the relevant field (Surveying / Specialized in Surveying) which is recognized by the University Grants Commission OR Having obtained a certificate of proficiency not below the National Vocational Qualification Level 7 issued by a Technical Vocational Training Institute accepted by the Tertiary and Vocational Education Commission for a post related to the technical field (Surveying / Specialized in Surveying). OR Having obtained a certificate of proficiency not below the National Vocational Qualification Level 6 issued by a Technical/Vocational Training Institute accepted by the Tertiary and Vocational Education Commission for a post related to the technical field (Surveying / Specialized in Surveying)
Working experience:	At least 4 years post-qualifying experience working on land and irrigation surveys for Bachelor degree OR At least 4 years post-qualifying experience working on land and irrigation surveys for NVQ 7 OR At least 9 years post-qualifying experience working on land & irrigation surveys for NVQ 6

	<ul style="list-style-type: none"> • Conversant with modern survey technologies. • Conversant with irrigation management and command area development surveys. • Familiarity with Sri Lanka's land and water resource regulations.
Other qualifications and experience	<ul style="list-style-type: none"> • Proficiency in Engineering design software AutoCAD, GIS, Total Station, GPS). • Proficiency in operating modern surveying instruments such as Total Station, RTK Survey (Real-Time Kinematic Survey) & leveling equipment. • Strong analytical, communication and report-writing skills • Fluency in English and Sinhala and preferably Tamil will be an added advantage

Monthly consultancy fee: Equivalent to PS 5 level for Based on the Management Services Circular 01/2019

Duty station and location: DAD-Head office / DAD -District Offices /SARP- Hub offices with frequent travel to the project sites.

Duration of services – The service will be provided for an initial period of 9 months with 3 Months' probation period, with the possibility of extension subject to requirements & performance.