

Integrated Rurban Development and Climate Resilience Project (IRDCRP)

Senior Project Engineer (Irrigation) – Category C

Terms of Reference (TOR)

1. Introduction to the Project

The Integrated Rurban Development and Climate Resilience Project (IRDCRP) is implemented under the Ministry of Agriculture, Livestock, Lands & Irrigation and jointly funded by the Government of Sri Lanka (GOSL) and the World Bank (WB). The IRDCRP is a five-year development project (2025–2030) with a total investment of US\$ 103 million. The project has been designed to uplift small- and medium-scale holdings in agriculture, livestock, fisheries, and plantation for addressing critical gaps along the value chain from farm to folk. Its primary objective is to enhance productivity, competitiveness, and climate resilience in agri-food production within project areas, thereby empowering rural communities, strengthening food security, and ensuring sustainable growth for the nation.

The project objective is to improve climate resilience of farmer families and productivity of irrigated agriculture in selected climatically vulnerable Hot-Spot Areas in Sri Lanka. This will be achieved through increased adaptation of climate-resilient agricultural practices and technologies, and increased access to markets in targeted smallholder farming communities. Project beneficiaries will include smallholder farmers, producer organizations, and agribusiness entrepreneurs who will benefit from improved and modernized irrigation, drainage and flood protection systems; adoption and dissemination of advanced CSA technologies on high efficiency irrigated agriculture techniques and practices; agriculture diversification; and improved market access.

2. Job Summary

The Senior Project Engineer (Civil) will be responsible for coordinating planning and execution of the overall infrastructure related aspects of the project identified by implementing agencies within project scope. He/she will review the designs and costing and directly involve in procurement of various infrastructure, and help plan the construction activities, provide overall supervision of the construction of various infrastructure components planned under the IRDCR project.

3. Duties and Responsibilities

- Support the IRDCR project in planning the entire irrigation infrastructure (both on-land and off- land) related works, including overseeing of the engineering surveys, review of the design and costing of various infrastructure proposed by DAD, Department of Irrigation, and DOA.
- Support project in improved and modernized irrigation, drainage and flood protection systems; adoption and dissemination of advanced CSA technologies on high efficiency irrigated agriculture techniques and practices; agriculture diversification; and improved market access.
- Introduction of modern lift irrigation infrastructure for a network of farm outlets for modern micro irrigation with DAD, DOA and DOI (Integrating Macro Infrastructure Irrigation with Micro Irrigation Applications at the Farm Level for both paddy and upland crops (Gravity Flow Systems, Pumping Stations, Pressurized Distribution Systems, Reservoirs and Storage Tank-Sumps, Filtration and Treatment Systems, Automated Control Systems, Drip Irrigation/ micro sprinkler Laterals)
- He/she will check the designs of various components of the irrigated engineering infrastructure planned under the project for safety and cost effectiveness
 - * He/she will help in selection of contractors for execution of infrastructure related works, wherever necessary based on the procurement documents prepared by DAD, DOI and DOA
 - * He/ She will help in the planning and management of construction activities
 - * He/she will perform quality control and quality assurance of the infrastructure works based on the design of various components through random inspection.
 - * Recommend effective methods of completing work as per the schedules.
 - * Coordinate with relevant stalk holders on finance and procurement
 - * Prepare and analyse the progress report vis a vis infrastructure works and submitting to the PD/PMU
 - * He/she will report to the Project Director.
 - * Other duties as assigned by the Project Director.

4. Skills

- Conversant with the irrigation design and construction of related infrastructures
- Excellent working knowledge of English, both verbal and written; Fluency both written and verbal in Sinhalese/Tamil
- Knowledge of engineering surveys, and design and construction of irrigation infrastructure.
- Specialized training or certificate in irrigation construction or structure World Bank funded projects will be an advantage.
- Experience with the World Bank or similar projects is preferable.
- Experience working on development and management of development of projects
- Managerial, leadership and staff motivation.
- Financial management and administrative skills.
- Data analysis and report writing.
- Be able to use the MS Office package (Word, Excel and Power Point)
- Problems Solving / Coordination Collaboration.
- Excellent communication and organization skills.
- Have the ability to take a strategic view of the results to be delivered and to conceptualize how the IRDCR project can fit into the overall development objectives in the project area.
- Ability to work under pressure and work extra hours when required.

5. Category C - Basic Qualifications and Experience Required

(1) or (2) or (3) below.

01. A Bachelor's Degree in the relevant field.

and

Associate Membership/ A similar professional qualification obtained from a recognized professional body in the relevant field.

with

At least 08 years of experience in the relevant field at a managerial level.

02. Corporate Membership/ similar professional qualification obtained from a recognized professional body in the relevant field

with

At least 06 years of experience in the relevant field at a managerial level.

03. Class I officer of a government All-Island Services or a similar status in the relevant field.

and

Associate Membership/ A similar professional qualification obtained from a recognized professional body in the relevant field.

with

At least 02 year of experience in the Class I post or a similar status in the relevant field.

6. Travels to Project Areas

Require to travel project implementation areas when required

7. Working Location

PMU at Colombo/Battaramulla