

Terms of Reference

FOR

DESIGN ENGINEER WASTEWATER PUMPING STATIONS

UNDER THE GREATER COLOMBO WASTEWATER MANAGEMENT PROJECT

Expertise : Wastewater Design Engineer (Pump Stations)

Expertise Group :Engineering

Source :National

Contract No :

Scope of the Project: Rehabilitation and new construction of sewerage pump stations;
Laying of sewer pipes using open cut and trenchless technologies;
Rehabilitation of sewer systems using open cut and trenchless technology.

Brief Description of the Project:

The Greater Colombo Wastewater Management Project is a Project funded by the government through a loan obtained from the Asian Development Bank to rehabilitate 100 years old city sewerage system. The Project is executed by the Ministry of Provincial Councils and Local Government and implemented by Colombo Municipal Council. The Project commenced in year 2011. Bulk of the work has been completed and two civil work contracts are under implementation and one civil contract is under the bidding stage. Out of the two contracts under implementation, the contract for rehabilitation of wastewater pumping stations is a Design and Built type contract whilst the other contract under implementation, sewer pipe line rehabilitation combined with carrying out a condition assessment of existing sewers is an add-measurement type contract. The contract under bidding is an add-measurement type contract. The Design and Built Contract is based on the Conditions of Contract of Engineering Advancement Association of Japan (ENAA) and the add-measurement Contract is based on the Conditions of Contract of FIDIC 2010 MDB version.

The locations of project sites are within Colombo Municipal Council area. The consultants' office is located at No. 86, Ananda Kumaraswamy Mw., Colombo 7.

Scope of work including but not limited to:

1. Coordination of all design work including temporary work with the pump station contractor and the Client (PMU and CMC) and the other members of the Clients technical staff including the consultants and ensure timely approvals of design and drawings
2. Verification of hydraulic designs of the pump stations including pumping systems and surge arresting systems
3. Assist the Technical Team Leader and the Quantity Surveyor on claim analysis, evaluation of Change Orders, Construction Programs
4. Responsible for managing the submittals reviews including obtaining of inputs of other consultants and the Client and complete the submittals reviews Coordinates Furnish detailed drawings, with revisions as necessary, to the contractor, check contractors design and drawings for Design and Built Contracts
5. Provide drawings, and other technical inputs to the contractor in coordination with the site supervision staff
6. Preparation of specifications and necessary technical and administrative dossiers for variations and witness testing work
7. Assist Technical Team Leader in any other work related to pump station design and other technical inputs related to Colombo Sewerage System
8. Any other work related to the overall project as requested by the Employer or his representative, Project Manager/Engineer and Technical Team Leader

Minimum Qualification Requirements

Minimum Educational Qualifications : B.Sc and postgraduate qualifications in Hydraulics related area. Corporate membership of a professional engineering body will be an added advantage

Minimum General Experience : 7 years in civil engineering

Minimum Specific Experience (relevant to assignment) : 2 years in work related to hydraulics, water / wastewater engineering together with experience in design review and submittals reviews in water / wastewater engineering/pump station designs

Other Specific Experience (relevant to assignment) : Application capability in SewerGems; Hammer software

Work Arrangement: Engineer shall report to the **Project Director** of the Greater Colombo Wastewater Management Projector an officer assigned by him/her to carry out the work coming under this assignment.

Deliverables: As directed by the Employer or his representative, Project Manager/Engineer and the Technical Team Leader.

Office & Facilities

- 1) Office space and necessary facilities will be provided by the Employer
- 2) Field (office – field – office) transport provided by the Employer
- 3) If requested by the Employer or his representative, Project Manager/Engineer the Consultant is required to attend meetings and field visits in weekends and holidays

Assignment period: From the recruitment date to 31st March 2019 on fulltime basis

Termination of the agreement: One (01) month notice shall be served by either party

Payment Terms: Engineer may work during weekends and public holidays with the approval of the Client. Work carried out on weekends and public holidays with the approval of the Client is considered in counting the working days. Expert shall submit a monthly time sheet giving the details of work carried out by him/her in each working day to the Project Director for payments.

Salary: LKR 166,000.00