

Terms of Reference
FOR
CONSTRUCTION SITE ENGINEER

UNDER THE GREATER COLOMBO WASTEWATER MANAGEMENT PROJECT

Expertise : Supervision of Water or Wastewater related Projects

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 Coomaraswamy Mw., Colombo 7.

Scope of work including but not limited to:

1. Under the direction of the Resident Engineer carry out all delegated activities related to construction supervision at site level. Work will include quality control and assurance; ensuring compliance with health and safety, environmental safeguards; ensuring adequate resource mobilization for the construction work and maintaining the progress in construction work
2. Co-ordination with Resident Engineer to obtain required technical inputs as necessary for carrying out field levels tasks effectively and efficiently and in accordance with specified standards and specifications
3. Supervise and monitor construction work, prepare measurements for works completed and in progress and verify bills for payment and assist the Quantity Surveyor in the preparation of IPC
4. Check line level, layout of construction to ensure conformity with the approved construction drawing
5. Conducting Weekly Progress Review meetings at site level.
6. Attend third party inspections as necessary and provide certification on the quality of the material, equipment and plant based on such inspections
7. Supervision of installation work related to electro-mechanical works
8. Assist the Project Director, Technical Team Leader and the CMC O&M engineers in all work related to testing, verification, commissioning and handover of pump stations
9. Assist Technical Team Leader in any other work related contract administration including addressing public complaints
10. Any other work related to the overall project as requested by the Employer or his representative, Project Manager/Engineer Technical Team Leader

Minimum Qualification Requirements

Minimum Educational Qualifications : Degree in Civil Engineering or equivalent

Minimum General Experience : 6 years of experience in construction field

Minimum Specific Experience (relevant to assignment) : 3years in construction supervision associated with water/wastewater sector which comprises a minimum of 18 months of construction supervision in sewerage related works such as sewerage pump stations, pipe laying, etc. International exposure will be an added advantage.

Other Specific Experience (relevant to assignment) :Experience in foreign funded wastewater projects and Colombo sewerage rehabilitation system will be considered as an added advantage.

Work Arrangement

Work Arrangements: Engineer shall report to the **Project Director** of the Greater Colombo Wastewater Management Project or an officer assigned by him and Technical Team Leader to carry out the work coming under this assignment. The immediate supervisor (the officer assigned by the Project Director/Project Manager) will be the Resident Engineer.

Deliverables: As directed by the Project Director (or his/her designated officer) and the Technical Team Leader or Resident Engineer.

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/ Project Manager/ Engineer or his representatives, the Consultant is required to attend meetings and field visits/ supervision work in weekends and holidays

Assignment period: From the recruitment date up 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 Employer. Work carried out on weekends and public holidays with the approval of the Employer is considered in counting the working days. Engineer 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 165,000.00