

Terms of Reference
FOR
MECHANICAL ENGINEER

UNDER THE GREATER COLOMBO WASTEWATER MANAGEMENT PROJECT

Expertise : Mechanical Engineering related to Wastewater Pumping Systems

Expertise Group :Mechanical 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, AnandaKumaraswamy Mw., Colombo 7.

Scope of work including but not limited to:

1. Review of contractor submitted designs, drawings, shop drawings, method statements, material inspection and certification and provide design and drawings reviews related to installation work
2. Supervision of installation work related to electro-mechanical works
3. Certification of Performance Auditing of mechanical equipment/systems of the Contractor
4. Prepare specifications for witness testing and provide technical assistance to CMC witness testing engineers
5. Assist the training given by the Contractor to CMC personal and certification of the adequacy of the training
6. Assist the Project Director/Project Manager/Engineer or his/her representatives, Technical Team Leader and the CMC O&M engineers in all work related to testing, verification, commissioning and handover of pump stations
7. Review as built drawings, O&M manual, warranty certificates and all other handover documents required by the Contract and confirm their compliance with the requirements of the Contract
8. Assist Technical Team Leader in any other work related contract administration, and other technical inputs related to CMC operated pump stations
9. 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 :B.Sc Engineering.
Corporate membership of a professional engineering body will be an added advantage

Minimum General Experience :10 years in Mechanical engineering

Minimum Specific Experience (relevant to assignment) :7 years in installation of mechanical equipment in water and wastewater pump stations, review of method statements and other design submittals related to electro-mechanical works. International exposure will be an added advantage.

Other Specific Experience (relevant to assignment) :Need to previous experience in water/wastewater pump station electro-mechanical equipment installation

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

Deliverables: As directed by the Project Director/Project Manager/Engineer or his/her representatives 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 up to 31st March 2019 on full time 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.

LKR 218,750.00