



Brief Scope of work

T/2428433/2021

Consultancy Services for Bausher (B1) Sewer Network Rehabilitation Works

Introduction

Haya Water (the Client) has decided to engage an engineering consulting firm to undertake the assessment of the existing sewer network infrastructure in Bausher (B1) area, in order to determine the scope of the needed rehabilitation works including a detailed implementation plan for these works. The consultant will utilise his experience to determine the current status of the network and associated infrastructures, utilizing best practices and internationally recognized methods and standards to evaluate the network. Consequently, he will propose a detailed rehabilitation and if needed upgrade works program (in phases) including the related estimated costs.

Summary of Scope of Work

The Consultant shall undertake studies and assessments to find out the technical causes of failure of the sewer network (gravity & pressurized) to operate as designed and subsequently propose solutions to rectify such failures and prepare a practical professional rehabilitation program and if needed upgradation program for the network, based on the future required estimated capacity, including international and Haya Water standards. The project includes the preparation of an integrated technical study to assess the current sewer network and its technical defects, to develop appropriate solutions and to prepare a schedule with estimated budget of each phase of the proposed execution plan.

The rehabilitation/upgrade program for the network could be divided in three or four phases, if required. In which; Phase I will include at least, all the critical correction, rehabilitation & upgrade works, needed to be done urgently in the network. The consultant should prepare the detailed design, drawings, scope of works and tendering documents to employ a PC contractor (only for phase I), and detailed concept design for other proposed phases. Phase 1, should include 18th November Street sewer main line and manholes rehabilitation works program.

The consultant should conduct CCTV inspection or alternative inspection method to inspect Sewer pipeline/main track along 18th November street, CCTV camera inspections/ alternative inspection method should be carried out for only 3.50 Km of 2000mm diameter pipeline sewer pipes and 500 manholes as mandatory.