

T/ 2456788 / 2023 CONSTRUCTION OF SEWER NETWORK FOR C3C AND C3D AREA – SEEB CATCHMENT

1 BRIEF SCOPE OF WORK

- Scope of work for Contract **C3C** shall include but not limited to the construction (Supply, Installation & Commissioning) of the following:
 - Gravity sewer network/s (lateral plus trunk) ranging inner diameter from 200mm to 600 mm
 - Gravity sewer manholes (lateral plus trunk)
 - House connection and rider sewers ranging Internal diameter from 100mm to 185 mm
 - Property chambers, House connection chambers, Gravity sewer manholes (for Rider Lines).
 - The contractor shall design and construct the house connections for all unserved plots located in project area .
 - Divert the flow from certain connected plots of the Vacuum system (as indicated in the drawings / Engineer request) to the new proposed sewer network and disconnected the Vacuum lines from the downstream section.
 - The contractor shall obtain OWWSC O&M approval prior any physical work on the existing gravity/vacuum system.
 - The contractor shall ensure & investigate that all the upstream connections have been diverted to the new gravity sewer lines prior cutting the existing vacuum lines.
 - The contractor shall provide any required Civil , Mechanical fittings , piping , end caps , diverting the flow,,etc to disconnect the un-used vacuum lines to complete the work.
- Scope of work for Contract **C3D** shall include but not limited to the construction (Supply, Installation & Commissioning) of the following:
 - Gravity sewer network/s (lateral plus trunk) ranging inner diameter from 200mm to 600 mm
 - Gravity sewer manholes (lateral plus trunk)
 - House connection and rider sewers ranging diameter from 100mm to 185 mm
 - Property chambers, House connection chambers, Gravity sewer manholes (for Rider Lines)

- The contractor shall design and construct the house connections for all plots located in project area.
- Single Rising Mains with Inner diameter 300 mm including Washout and Air valve Chambers.
- C3D Pumping Station

The work shall include the following (but not limited to):

- Procurement and Construction of pump station, building complete with all civil, electrical, mechanical, plumbing, firefighting, HVAC, Instrumentation & control and ICA works.
 - Supply and installation of flow meter chamber, inlet valve chamber complete with all associated works.
 - Provision for power supply from MEDC source till transformer building
 - Construction of roads, fence works.
- Construction of Roads Crossing (open cut & Trenchless method) and complete with all necessary works.