



EMALAHLENI LOCAL MUNICIPALITY



APPOINTMENT OF A PANEL OF SERVICES PROVIDERS FOR THE MAINTENANCE OF WATER AND SEWER NETWORK CIVIL INFRASTRUCTURE EMALAHLENI LOCAL MUNICIPALITY FOR A PERIOD OF 36 MONTHS (ON AN AS AND WHEN REQUIRED BASIS)

SCOPE OF WORK

DESCRIPTIONS OF WORKS:

Scope of Works

Service required and Condition

The general civil engineering works as set out in the South African Bureau of Standards (SABS) 1200 including 1200DB and in the South African National Standards (SANS 2001) code of practice. Also, the guidelines for human planning and design (The Red Book). Maintenance and operational of water and sanitation infrastructure to improve turnaround time by attending to water and sewer reported faults within the Municipality jurisdiction area.

The scope of works entails the following activities:

- Replacement or repairing of valves, isolation, air, PRV etc.
- Replacement of manholes lids
- Replacement of main hole cover slaps
- Calibration or replacement of water meters
- Hiring or supply and delivery of water meter loggers
- Supply and delivery of smart meters
- Supply and Maintenance of manual screens – pump stations
- Supply of skippers
- Removal and disposal of skippers
- Installation of safety and instruction signs
- Supply of methane dictator
- Supply and delivery of first aid kits



- Supply and delivery of metal dictator unit (cable tracer)
- Supply and delivery of oxygen cylinders (78kh) and masks
- Maintenance of water and sanitation building infrastructure (civil plumbing, electrical and fencing)
- Cleaning of sewer spillage
- Cleaning of Reservoirs and jojo tanks
- Supply and delivery of water pumps
- Supply and delivery of fire hydrants horse pipe and fittings
- Supply and delivery of high-pressure pipe for sewer jetting machine
- Supply and delivery of sewer jetting nozzles
- Supply and delivery of medium steel rods
- Supply and delivery of air pressure testing unit for sewer network
- Supply and delivery of pressure testing unit for water network
- Repair and replacement of AC, steel and cast-iron pipes ranging from 75mm-1200mm diameter
- Repair and replacement PVC, MPVC, OPVC, GRP, HDPE pipes ranging from 63mm-900mm diameter
- Repair and replacement of Steel / galvanized pipes ranging from 15mm-1200mm diameter
- Supply and installation of pipe fitting such as aqua locks, pipe couplings, bends, T piece, fire hydrants, isolation valves, nipples distance pieces, strainers, gaskets, bolts and nuts, water meters, cascades, chambers and manholes.
- Supply and delivery of all types of pipes ranging from 15 mm to 1200 mm diameters
- Supply and delivery of all types of bend, t, pieces for different materials
- Supply and delivery all types of fittings
- Fabrication and modification of fittings or couplings
- Excavation, bedding, blankets, pipe laying, compaction re-instatement of road reserves-reconstruction of fences, paving and re-instatement of site
- Backfilling and removal of rubbles
- Unblocking of sewer blockage manually (rods)
- Unblocking of sewer blockage mechanically (sewer jetting machine)
- Cleaning of outfall and collector lines
- Mechanical cleaning of sump at the pump station
- Cleaning of manholes
- Re-construction and construction of pre-cast manholes



- Re-construction and construction of bricks/concrete manholes
- Supply and install manhole lids
- Installation of water and sewer market post
- Replacement of manhole steps
- Supply and Installation of jojo tanks
- Construction of JoJo tank stands, steel or concrete structures
- Supply and maintenance of mobile chemical toilets
- Emptying of septic tanks, VIPs and long drops toilets
- Re-construction of benching
- Installation of sewer connections
- Removal of tree roots inside the sewer lines
- Construction of access road along the sewer lines (remote areas)
- Hiring of construction plants and machinery
- Hiring of sewer jet machines
- Hiring of honey suckers
- Hiring of mobile VIP toilet
- Hiring of floodlights
- Drilling and equipping of boreholes
- Compilation of Technical Reports and Business plans
- Compilation, updating of Sector Plans and provision of technical support
- Application and registration of servitudes
- Construction of water and sanitation infrastructure
- Operating, monitoring of boreholes and reservoirs
- Operating and monitoring of Municipality water and sanitation infrastructure