

Scope of Works

1. Location of the Works

The site for the works proposed under this contract is the Island of K. Male’.

2. Description of the Works.

Repairing and fiber glassing work

- a) Locate the manhole with the assistance of information provided by the Employer. Remove paving blocks, excavate wherever required, up to top of manhole and remove the concrete cover.
- b) Plug out the inlets and outlets of Manhole to prevent flow, entry of water and isolate the drains entering the Manhole after getting approval from the Employer. However, throughout the rehabilitation work the contractor should ensure unhindered sewer flow and continuous operation of the sewerage system by adopting his own methodology, which should have the prior approval of the Employer.
- c) Prepare surface as specified in the document by hydro blasting to remove the decomposed concrete and other loose material. The waste materials removed in so doing shall not be allowed to drain into the sewer system. They shall be taken out and disposed by the contractor at his own expenses as per the rules and regulations of the relevant Government Authorities
- d) According to the rehabilitation need, flush the surface including inverts and benching with thick cement grout and make good the surfaces by apply cement plaster to bring the surfaces to the original thickness and level. The mix ratio shall be 1:3 and the newly plastered surfaces require curing for a minimum period of 02 days before fiberglass lining could be carried out. If any water inflow or infiltration appears, plug out by “water Plug” or similar material and seal it before plastering.
- e) After inspection and approval of the plastered surfaces by the Employer, apply two layer of fiber glass lining to all internal surfaces as specified in the contract document.
- f) Apply a gel coat layer as specified in the contract document.
- g) Allow curing for fiber glass lining as specified in the document.
- h) Remove all wastes and dispose them as per the rules and regulations of the relevant Government authorities.
- i) After certifying the fiberglass lining by the Employer and when the lining is hard enough so that there will be no considerable effect on it by the flow, remove the plug of inlets & outlet of sewer lines and allow the normal operation.
- j) Replace the rehabilitated concrete cover.
- k) Reinststate the ditches and the paving blocks as per the rules and regulations of the relevant Government authority.
- l) Contractor should use proper PPE during work.
- m) Working hours from night to morning

Cover replacement and Manhole resurfacing

- a) Replace the damaged manhole covers and resurface the buried manholes up to road surface level. The replacement and resurfacing works shall be carried out with prior approval from MWSC.
- b) Contractor shall remove the existing manhole cover frame and fixing on new cover slab.
- c) Contractor to make 2 or 3 temporary covers for manhole while repairing work is ongoing.

MWSC shall provide the manhole covers and cast iron covers. Contractor shall move the covers from k. Male' MWSC to site.

Cast iron covers will be provided by MWSC.

3. As-Built Drawings

As-built drawing of the Manholes shall be provided by the contractor after completion of each Manhole and the scale shall be 1: 20.

Note:

1. Contractor to arrange for temporary covers that allow vehicle access as the work is ongoing. Temporary set up should ensure that flood water or rain water does not flow into the manhole
2. Contractor is responsible for obtaining all of the necessary permits
3. Frame of demolished manholes shall be handed over to MWSC along with the covers.

Summary of such evaluation criteria with weights

#	Criteria	Weighting %
1	Price	60%
2	Duration	20%
3	Experience	10%
4	Resource	10%