

**Tender for Construction of Reinforced Concrete Slab over Existing Concrete U-drain at MSS**

**Preambles**

- A. The contractor shall be deemed to have revised all the tender documents, inspected and examined the site and its surroundings, and have satisfied himself to the nature of the ground and subsoil before submitting his tender. He shall also be deemed to have taken into account the form and nature of the site, the extent and nature of the work and materials necessary for the completion of the works, the means of communication with and access to the site, the accommodation he may require and in general to have obtained for himself all necessary information as to the risks, contingencies and any other circumstances influencing and affecting his tender.
- B. Any discrepancy between the Specifications and Drawings and Bills of Quantities shall be brought to the notice of the Engineer in writing before work which is the subject of the discrepancy is commenced. Dimensions and sizes shown in the drawings shall generally take precedence over those stated in the Specifications.
- C. Payments due under the contract shall be determined by applying the unit rates to the quantities executed for the respective items, in accordance with the BoQ and contract.
- D. The Contractor should note that the cost of all work carried out in the construction of junctions, access roads or access to properties shall be based on tendered rates under the appropriate items in the Bills of Quantities and no claim for additional payment for this work shall be considered.

**1.0 Preliminaries**

No.	Item	Units	Quantity	Rate	Total
<b>1.01</b>	<b><u>Mobilization</u></b> Include for contractor's mobilisation and employees' insurance. Contractor shall be responsible for ensuring a safe working environment and proper protection of the works during construction.	item			
<b>2.00</b>	<b><u>Reinforced Concrete Slab</u></b>				
2.01	Reinforced Concrete Slab Supply and cast the specified concrete for all bill of items described below. Price shall include cost for formwork and shoring; cost of supplying and placing concrete; cost of supplying, fabricating and placing the required steel reinforcement as per specifications costs of material, equipment and workmanship; all the associated cost with the item.				
2.01.1	Provide formwork and support to cater for pouring in-situ concrete for reinforced slab in accordance with specifications: 1.37m wide x 0.15m thick x 56m long. Formwork shall include for 50mm (2") x 100mm (4") timber for framing purposes.	item			
2.01.2	Supply and cast in-situ concrete of 20 Mpa @ 28-days strength for suspended slab to be constructed over existing concrete drain according to specifications, drawings and directions of the Engineer.	m <sup>3</sup>	14.00		
2.01.3	Supply, fabricate and place T16 (5/8") rebars @ 150mm (6") bothways for the bottom reinforcement of slab. Include for splice length of 30*d; d is diameter of rebar.	kg	1900.00		
2.01.4	Supply, fabricate and place T12 (1/2") rebars @ 150mm (6") bothways for the top reinforcement of slab. Include for splice length of 30*d; d is diameter of rebar.	kg	1150.00		
2.01.5	Dowel into u-drain upstand to a minimum depth of 150mm, place and epoxy T16 rebar @ 150mm spacing along concrete drain over a distance of 112 metres.	item			
2.01.6	Remove all existing concrete slab from u-drain and cart away from site.	item			
2.01.7	Supply and place pre-cast reinforced concrete slab of dimension 1.37m long x 0.914m wide x 0.150m thick reinforced with T16(5/8") rebar @ 150mm (6"). Include the necessary formwork, shoring, equipment, workmanship, placement of slabs over u-drain and all other associated cost to complete the activity. Location of pre-cast slab for inspection chambers over concrete u-drain shall be under the directions of Engineer. Concrete strength is specified at 20 Mpa @ 28-days.	Nr.	6.00		
<b>3.00</b>	<b><u>Auxiliary Works</u></b>				
3.01.1	Sawcut portion of concrete slab of dimension 200 mm wide by 5.2 metres long by 150 mm thick for dowelling into concrete u-drain. Provision shall be made to cart waste material away to dump site.	item			
3.01.2	Removal of garbage disposal bin and replace same upon completion of constructing reinforced concrete slab. Include price for reinstating garbage bin to its original state.	item			
3.01.3	Cut into water utility concrete boxes resting on u-drain to ensure adequate room space for doweling into concrete u-drain for the drainage works.	item			
3.01.4	Make good localised areas of existing concrete u-drain to include; broken upstand edges, walls and bottom section of the drain where cavities are identified.	item			
<b>Total value to Form of Tender</b>					