

NGONG ROAD: MARKET SEWER CONNECTION

Item No	Description	Unit	Qty	Rate (Kshs)	Amount (Kshs)
CLASS A - GENERAL ITEMS					
Setting out and Testing of the Works					
A140.3	Allow for setting out of the works	LM	2,914.00		
A260	Carrying out test on 450mm pipeline as specified or directed by the Engineer. Include provision of all equipment and materials	LM	2,914.00		
CLASS B - SITE INVESTIGATION					
B112	Trial holes where ordered to check on the position of underground services and condition of subsurface materials, max depth 1-2m	No.	20.00		
B113	Trial holes where ordered to check on the position of underground services and condition of subsurface materials, max depth 2-3m	No.	20.00		
CLASS C - DEMOLITION AND SITE CLEARANCE					
D100	General site clearance through undeveloped land over the wayleave, include for any additional clearance required	Ha	0.87		
D210	Removal of treews girth 0.5-2m	No.	100.00		
CLASS 1 - PIPEWORK -PIPES					
PRECAST CONCRETE PIPES TO BS 5911 WITH SPITGOT AND SOCKET FLEXIBLE JOINTS					
The rates entered against the items in this section shall include for stripping of soil, laying aside and subsequent replacing over refilled trench, excavation in trench in materials other than rock, shuttering where necessary, refilling and compaction, spreading surplus soil evenly over and alongside pipe trench compacting, supply :lay and joint pipes to correct line and level. Depths are stated from ground level to invert level.					
Nominal bore 450mm in trenches					
I233	Depth 1.5m - 2.0m	LM	260		
I234	Depth 2.0m - 2.5m	LM	800		
I235	Depth 2.5m - 3.0m	LM	960		
I236	Depth 3.0m - 3.5m	LM	800		
I237	Depth 3.5m - 4.0m	LM	80		
I424	Double Flanged Steel pipes (Internally cement lined, externally epoxy coated) nominal internal diameter 450 for aerial crossings over the railways bridge complete with fittings	LM	36		
CLASS K - PIPEWORK - MANHOLE AND PIPEWORK ANCILLARIES					
Exacavation quantities are given net. The rates entered are to include for manhole concrete slabs and covers, step rons or ladders, excavation, working room, trimming the base of the excavation, shuttering where necessary, refilling and compaction around the finished manholes and disposing of surplus spoil local to the trench. Surplus spoil is to be evenly spread.					
Manholes					
Precast Concrete					
<i>Manhole type B, Size 1200mm, reinforced concrete manhole slab and cover</i>					
K 152	Ditto - but depth 1.5m-2.0m	No.	4		
K 153	Ditto - but depth 2.0m-2.5m	No.	5		
K 154	Ditto - but depth 2.5m-3.0m	No.	13		
K 155	Ditto - but depth 3.0m-3.5m	No.	12		
K 156	Ditto - but depth 3.5m-4.0m	No.	6		
Other Pipework Ancillaries					
K852	Connection to existing manholes and other chambers	No.	20		
CLASS L: SUPPORT AND PROTECTION ANCILLARIES TO LAYING AND EXCAVATION					
Extras to Excavation and Backfilling					
(Note: Blasting not Allowed for any rock excavation)					
<i>In Pipe Trenches</i>					
L111	Excavation of rock to invert including extra over excavation for pipe thickness and spigot	m ³	2,797		
Total C/F to Next Page					

Item No	Description	Unit	Qty	Rate (Kshs)	Amount (Kshs)
	Total B/F from Previous Page				
L121	<i>In manholes and other Chambers</i> (Note: Blasting not Allowed for any rock excavation) Excavation of rock (Provisional)	m ³	94		
	Bed, Haunches and sorrounds				
	<i>Mass Concrete Grade 15/20 in 150mm thick beds, haunches and Sorrounds</i>				
	<u>450mm Nominal bore pipeline</u>				
L542	Sorround Typr d (Concrete 0.4818m3/m)	LM	2914		
	Total FOR SEWER CONNECTION C/F to Grand Summary Page				