

## CITY OF KISUMU

COUNTY GOVERNMENT OF KISUMU					
DEPARTMENT: CITY OF KISUMU					
PROJECT NAME: CONSTRUCTION OF NON-MOTORISED TRANSPORT FACILITY					
NOTE: ALL THE RATES TO BE V.A.T INCLUSIVE					
ITEM	DESCRIPTION	UNIT	BQ QTY	RATE	AMOUNT (Kshs)
<b>1</b>	<b>BILL NO. 1: PRELIMINARY AND SUPERVISORY SERVICES</b>				
1.01	Provide, erect and maintain publicity signs as per the specifications and directed by the Engineer	NO	2		
1.02	E.O. item 1.01 for contractors overheads and profits	%	10		
1.03	Allow for provisional sum of Kenya Shillings Two Hundred Thousand only (200,000)for surveying and designs	PS	L/Sum		
1.04	E.O. item 1.01 for contractors overheads and profits	%	10		
1.05	Allow for provisional sum of Kenya Shillings Two Hundred Thousand only (200,000) for materials testing as directed	PS	L/Sum		
1.06	E.O. item 1.03 and 1.04 for contractors overheads and profits	%	10		
1.06	Prime cost Sum of Kenya Shillings One Million Five Hundred Thousand only (1,500,000)for removal and reinstatement of services	PS	L/Sum		
1.07	E.O. item 1.06 for contractors overheads and profits	%	10		
1.08	Allow for provisional sum of Kenya Shillings Five Million Shillings only (5,000,000)for Engineers staff supervision allowances and airtime	PS	L/Sum		
1.09	E.O. item 1.06 for contractors overheads and profits	%	10		
	<b>Total for Bill no.1</b>				

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4	BILL NO. 4: SITE CLEARANCE AND TOP SOIL STRIPPING				
4.01	Removal of topsoil to a maximum depth of 150 mm to achieve formation levels in accordance with specifications and as directed by the Engineer	CM	930		
	Total for Bill no.4				

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5	BILL NO.5: EARTH WORKS				
	Compacting original ground supporting sub-grade: Loosening of the ground up to a level of 150 mm below the sub-grade level, watered, graded and compacted in layers to meet requirement for sub-grade construction.	CM	1,618		
5.01	Cut to spoil in hard material	CM	412		
	Total for Bill no.5				

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8 BILL NO. 8: CULVERTS AND DRAINAGE WORKS.					
8.01	Excavate in soft material to any depth for pipe culverts, subsoil drains, headwalls, wing walls, aprons, toe walls ,and drop inlets, miter drains, catch water drains, median drains including support of trench sides, backfilling and compacting as specified or as directed by the Engineer.	CM	2,613		
8.02	Provide, lay and joint 300mm I.D. Reinforced Cement Concrete pipes to serve as service ducts including class 15/20 concrete surround	M	2,839		
8.03	Provide, lay and joint 900mm I.D. Reinforced Cement Concrete pipes	M	474		
8.04	Provide and place class 15/20 concrete to beds, surrounds and haunches	CM	400		
8.05	Provide all equipment and Labour to clean all gulley pots and outlet drain and cart all the spoil materials to safe disposal.	LM	2,365		
8.06	Provide all materials and fix gulley pot covers including frames measuring 500mm X 500mm made of concrete or equivalent materials as may be approved by the Engineer	No.	118		
<b>Total for Bill no.8</b>					

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11	<b>BILL NO. 11: FOOTPATHS AND CYCLETRACKS</b>				
11.01	Grade, shape, bench or otherwise, water and compact existing shoulders, accesses and lay bays to instructed depth where directed by the Engineer.	MS	11,788		
11.02	Provide, lay and compact 150mm base quality gravel for base of footpaths in accordance with the specifications and as directed by the Engineer.	CM	1,768		
11.03	Provide and fixing the footpath with Interlocking concrete pavers unishape (monolithic single layer precast concrete blocks) of any specified colour/size &shape, with approved pattern etc. of 60mm thick having average crushing strength of 50 N/mm <sup>2</sup> on average thickness of 50mm uniformly graded river sand cushioning with properly compacted with mechanical compact or with required level, grade and camber etc. complete as directed by Engineer.	MS	11,788		
11.04	Provide all materials place and joint straight kerbs and channels at the edges to restrain the footpath cabro blocks and cycle track carriageway and allow water to drain away as directed by the Engineer	LM	6,501		
	<b>Total for Bill no.11</b>				

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15	BILL NO. 15: BITUMINOUS SURFACE TREATMENTS AND SURFACE DRESSING				
15.01	Prepare surface of cycle track base, provide, heat and spray MC 30 cutback bitumen prime coat at 0.8-1.2 Litres/m2.	Litres	8,000		
15.02	Prepare surface of AC laying, apply a light prime coat using 1:6 diluted A4 Anionic Emulsion to Base at spray rate of 0.8 -1.2 l/m2	Litres	8,000		
	<b>Total for Bill no.15</b>				

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16	BILL NO. 16: BITUMINOUS MIX BASES BINDER COURSES AND WEARING COURSES				
16.01	Provide, lay and roll 0/14 Asphalt Concrete type 1 (bitumen content 5-6% by weight) as directed by the Engineer for table top humps installation	CM	399		
	Total for Bill no.16				

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17	<b>BILL NO. 17: CONCRETE WORKS</b>				
17.01	Provide, place and compact 150mm thick concrete class 25/20 for concrete bed and hauncing to kerbstones and channels	CM	317		
	<b>Total for Bill no.17</b>				



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20	<b>BILL NO 20: ROAD FURNITURE</b>				
20.01	Provide and erect standard informatory signs 100mm diameter( road name signs)	NO	50		
20.02	Supply, Stack and Plant flowering/avenue trees of atleast 1m height above the ground level in excavated pits of size 1.2mx1.2mx1.2m and after planting, removal and stacking of excavated earth to desired location as directed bythe Engineer, filling the pit with soil	NO	57		
20.03	Provide and place precast concrete potted planter box lines with suitable plants to separate cycletrack from motorized traffic at locations as directed by the Engineer	LM	1,007		
20.04	Provide, and install Solar powered public eco toilets at locations as directed by the Engineer including connection to existing sewer and a 2500litre water tank	No.	2		
20.05	Provide, assemble and erect solar powered vending kiosks at locations as directed by the Engineer	No.	0		
20.06	Provide, assemble and erect 30m high LED sfloodmast at Locations as will be directed by the Engineer	No.	3		
20.07	Provide, assemble and erect solar powered LED street lights at Locations as will be directed by the Engineer	No.	71		
20.08	Provide, place and fix bollards at all pedestrian crossing locations as will be directed by the Engineer	No.	200		
20.09	Allow a provisional sum of Kenya Shillings Five Million for landscaping and beautification to be expended only with approval from the Engineer	PS	Item		
20.1	Provide, install and fix bus shelters at all bus stops as will be directed by the Engineer	No.	6		
	<b>Total for Bill no.20</b>				

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22	<b>BILL NO. 22: DAY WORKS</b>				
	<b>Plant/ Equipment</b>				
	The rates inserted herein are to include all operational and maintenance costs, fuel, oil, grease, drivers/operators wages supervision overheads and profits. Only time actually employed upon the work will be measured and the rates shall include for idle time, travelling and overtime in accordance with clause 12 of the specifications all items of plant must be proceed				
22.01	Vibratory roller of weight 10-12 tons with smooth wheel	HR	25		
22.02	Compressor of capacity 70m <sup>3</sup> /min complete with all tools	HR	30		
22.03	Concrete mixer 10/7	HR	25		
22.04	Poker vibrator	HR	25		
	<b>Labour</b>				
22.05	Unskilled	HR	300		
22.06	Skilled	HR	200		
	<b>Total for Bill no.22</b>				

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BILL NO. 23: WATER AND SEWERAGE CONNECTION					
23.01	Allow a Provisional Sum for Water connection	PS	Item	1,000,000	1,000,000
23.02	Allow a Provisional Sum for Sewerage connection	PS	Item	2,500,000	2,500,000
Total for Bill no.23					

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25	<b>BILL NO. 25: ELECTRICAL AND MECHANICAL INSTALLATIONS</b>				
25.01	Allow a Provisional Sum for mechanical installations and fitting inclusive of the infra-structure	PS	Item	500,000	500,000
25.02	Allow a Provisional Sum for electrical installations and fitting inclusive of the infra-structure	PS	Item	500,000	500,000
	<b>Total for Bill no.25</b>				

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SUMMARY PAGE		
BILL NO	DESCRIPTION	AMOUNT
1	BILL NO. 1: PRELIMINARY AND SUPERVISORY SERVICES	-
4	BILL NO. 4: SITE CLEARANCE AND TOP SOIL STRIPPING	-
5	BILL NO.5: EARTH WORKS	-
8	BILL NO. 8: CULVERTS AND DRAINAGE WORKS.	-
11	BILL NO.11: FOOTPATHS AND CYCLETRACKS	-
15	BILL NO. 15: BITUMINOUS SURFACE TREATMENTS AND SURFACE DRESSING	-
16	BILL NO. 16: BITUMINOUS MIX BASES BINDER COURSES AND WEARING COURSES	-
17	BILL NO. 17: CONCRETE WORKS	-
20	BILL NO 20: ROAD FURNITURE	-
22	BILL NO:22 DAYWORKS	-
23	BILL NO. 23: WATER AND SEWERAGE CONNECTION	-
25	BILL NO. 25: ELECTRICAL AND MECHANICAL INSTALLATIONS	-
	Subtotal	-
	Add 10% for contingencies to be expedient in part or in full as directed by the Engineer	-
	TOTAL	-