PROJECT NAME:	UPGRADE OF KYUSYANI MARKET ROADS TO BITUMEN STANDARDS
ROAD CODE:	C415,G47302, UCR_KU
SUB-COUNTY:	KITUI RURAL
WARD:	YATTA/KWA VONZA
ROAD LENGTH:	900M
PROPOSED CONTRACT PERIOD	6 MONTHS
	COMMENTS
PRELIMINARY PAGE	I/III

"

	SCOPE OF WORKS						
I	I IMPROVEMENT TO BITUMEN STANDARD						
A	600M Main Road -(TIVA - KANYANGI SECTIO	N)					
	1. Earthworks to 50 mm thick type II Asphalt Concr 8m wide	ete Surface -					
	2. Unblocking of existing DN 900 Culvert Pipe						
В	200M Loop to open Air market						
	1. Earthworks to 35 mm thick type II Asphalt Concrete Surface - 7M wide						
	2. DN 600 Culvert Pipes - 8m Long for Accessing Main road (2no. lines and 1 Line draining from the Market Area)						
NATURE OF WORK		0					
REMARKS:							
1) BoQ							
2) ALL WORKS ARE S CARRIED OUT	SUBJECT TO REMEASUREMENT AFTER BEING						
PRELIMINARY PAG	GE	II/III					

Road Name: Kyusyani Dustless Programme

Package:

Upgrade to Bitumen Standards

Bill of Quantities FY 24/25							
Bill No.1	Bill No.1 GENERAL: Office administration & Preliminaries						
Item No.	Description Units Qnty Unit Rate (KShs)		Unit Rate (KShs)	Amount (KSh)	Technology		
01-60-002	Site clearance on completion of the works	LS	1	50,000.00	50,000.00	LB-MB	
01-60-004	Quality control tests and surveys	PC Sum	1	200,000.00	200,000.00	LB-MB	
01-60-040	Extra over 01-60-004 for overheads and profits	%		10%	20,000.00	LB-MB	
01-60-005	Publicity Sign Boards	No.	1	45,000.00	45,000.00	LB-MB	
01-80-012	Allow a provisional sum for the relocation/reinstatement of services	PC Sum	1	200,000.00	200,000.00	LB-MB	
01-80-013	Extra over 01-80-013 for overheads and profits	%		10%	20,000.00	LB-MB	
01-80-012	Allow a prime cost sum of Kshs. 250,000 for site supervision staff transport expenses	P.C SUM	1	250,000.00	250,000.00	LB-MB	
01-80-026	Allow a prime cost sum for the RE's miscellaneuos account	PC SUM	1	1,375,000.00	1,375,000.00	LB-MB	
01-80-027	Extra over 01-80-026 for for profits and overheads	%	1	10%	137,500.00	LB-MB	
	Total Carried Forward to Summary:				2,297,500.00		

Road Name: Kyusyani Dustless Programme

Bill of Quantities FY 24/25							
Bill No. 4	Bill No. 4 SITE CLEARANCE						
Item No.	Description	Units	Qnty	Unit Rate (Kshs)	Amount (KSh)	Technology	
04-50-003	Light bush clearing	m ²	12,112			LB-MB	
04-50-006	Tree cutting and stamp removal (200-450mm girth)	No.	3			LB-MB	
04-50-007	Tree cutting and stamp removal (>450mm girth)	No.	11			LB-MB	
04-80-002	Top soil stripping to depths not exceeding 200mm depth (inclusive of disposal as instructed)	M ³	1,920			LB-MB	
04-60-001a	Mobilization and demobilization of equipments for laying AC from site	LS	1.00	360,000.00		LB-MB	
	Total Carried Forward to Summary:				-		

Road Name: Kyusyani Dustless Programme

Bill of Quantities FY 24/25								
Bill No. 5	ill No. 5 EARTHWORKS							
Item No.	Description	Units	Qnty	Unit Rate (Kshs)	Amount (KShs)	Technolog		
05-50-009	Cut to spoil in soft material	M ³	2,400			LB-MB		
05-50-011	Fill in soft material and compact in layers of not more than 150mm	M ³	600			МВ		
05-50-016	Scarify, water, mix and compact top 150mm below formation in cuts and fills to 95% MDD (AASHTO T99)	M ³	1,200			МВ		
05-50-017	Provide, haul, dump, spread , water mix and compact suitable material min. S3 (CBR >=10%) for improved subgrade	M ³	1,200			МВ		
	Total Carried Forward to Summary:				-			

Road Name: Kyusyani Dustless Programme

Package:	Upgrade to Bitumen Standards							
Bill of Quan	tities				FY 24/25			
Bill No.8 CULVERT AND DRAINAGE WORKS								
Item No.	Description	Units	Qnty	Unit Rate (Kshs)	Amount (KShs)	Technolog		
08-50-002	Excavations in soft material for the side drains including compaction of the slopes	M ³	2,400			LB		
08-60-030	Excavation in soft material for culverts of any size, inlets and outfalls	M ³	50			LB		
08-60-004	900mmm culvert cleaning - partially blocked	МТ	16			LB-MB		
08-60-024	Provide, lay and joint pipe culvert of 600mm in diameter with surround	МТ	32			LB-MB		
08-60-026	Provide, lay and joint pipe culvert of 900mm in diameter with surround	МТ	8			LB-MB		
08-60-192	Headwall and aprons construction for 600mm pipe culverts and pedestrian drain crossings in C20/25 concrete reinforced with 10mm high yield reinforcement bars	M ³	22			LB-MB		
08-60-019b	Headwall, wingwalls, and aprons construction for 900mm pipe culverts C20/20 concrete reinforced with steel mesh A142	M³	3			LB-MB		

	Total Carried Forward to Summary:				-			

Road Name: Kyusyani Dustless Programme

Раскаде:	Opgrade to bitumen Standards					
Bill of Quantities FY 24/25						
Bill No.12	NATURAL MATERIAL FOR SUB-BASE	AND B	ASE			Page 6 of 12
Item No.	Description	Units	Qnty	Unit Rate (Ksh)	Amount (KShs)	Technology
12-50-001	Provide, place, spread ,water and compact natural gravel of CBR greater than 30% for subbase and base at 95% MDD (AASHTO T180) as per specifications	M³	1,860			LB-MB
	Total Carried Forward to Summary:				-	

Road Name: Kyusyani Dustless Programme

Package:	Upgrade to Bitumen Standards					
Bill of Quan						
Bill No.14		Page 7 of 12				
Item No.	Description	Units	Qnty	Unit Rate (Ksh)	Amount (KShs)	Technology
14-50-001	Provide, store, transport and spread cement stabilizer at any point of the works in conformity with the instructions of the Engineer.	Ton	71.28	•		LB-MB
14-50-002	E.O Item 12-50-001 for processing and mixing in accordance with the Specifications and as directed by the Engineer.	M ³	930			мв
14-50-003	Protection and curing of cement treated layer	M ²	6,200			LB-MB
	Total Carried Forward to Summary	/:			_	

Road Name: Kyusyani Dustless Programme

Package:	Upgrade to Bitumen Standards						
Bill of Quantities FY 24/25							
Bill No.15	BITUMINOUS SURFACE TREATMEN	Т				Page 8 of 12	
Item No.	Description	Units	Qnty	Unit Rate (Kshs)	Amount (Kshs)	Technology	
15-50-001	Prepare surface of carriageway, accesses and junctions, provide and spray MC-30 cutback bitumen at a rate of 0.8-1.2 litre/m ² as prime coat	Ltrs	6,200			LB-MB	
15-50-003	Clean and prepare surfaces of main carriageway, accesses and junctions, provide, transport and spray on the same K1-60 emulsion as tack coat at a rate of spray in the range of 0.8 -1 litres/m ² or as instructed by the Engineer.	Ltrs	6,200			LB-MB	
	Total Carried Forward to Summary:				-		

Road Name: Kyusyani Dustless Programme

Bill of Quantities FY 24/25							
Bill No.16	II No.16 BITUMINOUS MIX BASES, BINDER COURSES AND WEARING COURSES						
Item No.	Description	Units	Qnty	Unit Rate (Ksh)	Amount KSh	Technology	
16-60-001	Provide lay and compact 35-50mm thick type II Asphalt Concrete (hot mix) wearing course with nominal bitumen of 5.5-7.5% on carriageway, accesses and junctions all in accordance with the specifications and as directed by the Engineer	M ³	289			LB-MB	
16-60-002	As 16-60-001 to humps and rubble strips	M ³	6			LB	
	Total Carried Forward to Summary				-		

Road Name: Kyusyani Dustless Programme

Bill of Quantities FY 24/25								
Bill No.20	Bill No.20 ROAD FURNITURE							
Item No.	Description	Units	Qnty	Unit Rate (Ksh)	Amount (KSh)	Technology		
20-50-070	Provide, Prepare road surface and paint yellow thermoplastic road marking lines 100mm wide	M ²	80			LB-MB		
20-50-071	As 20-50-070 above but white lines	M ²	160			LB-MB		
20-50-013	Provide, lay and haunch channels as edge restrain to carriageway with Concrete class 20/20 as shall be	М	2020			LB-MB		
	Total Carried Forward to Summary	':			-			

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Road Code: C415,G47302, UCR_KU

Road Name: Kyusyani Dustless Programme
Package: Upgrade to Bitumen Standards

Bill of Quar	Page 12 of 12	
	Summary	
Bill No.	Description	Amount (Kshs)
	1 GENERAL: Office administration & Preliminaries	2,297,500.00
	4 SITE CLEARANCE	
	5 EARTHWORKS	
	8 CULVERT AND DRAINAGE WORKS	
	12 NATURAL MATERIAL FOR SUB-BASE AND BASE	
	14 CEMENT AND LIME STABILIZED MATERIAL	
	15 BITUMINOUS SURFACE TREATMENT	
	BITUMINOUS MIX BASES, BINDER COURSES AND 16 WEARING COURSES	
	20 ROAD FURNITURE	
	<u> </u>	
	Sub Total1	
	Add 1.5% Contigencies	
	Sub Total 2	
	Add 16% VAT	
	Carried to page on the Form of Tender	2