

Addendum 1: Improvement of Wajir High School-Diff Road Link

BILL № 1: Preliminary and General Items					
ITEM	DESCRIPTION	UNIT	QUANTITY	RATE (KSH)	AMOUNT (KSH)
1.01	Allow a provisional sum of KShs. 7000,000 for Material Testing as directed by the Engineer	Prov. Sum	1	300,000.00	
1.02	Extra Over on Item 1.05 for the Contractor's Overheads and Profit.	%			
1.03	Provide with driver and maintain two (2) Type 2, minimum 2.8 litre turbocharged 4-wheel drive, twin- cab pick up vehicle or similar approved by the Engineer, fitted with air bags, mobile telephone hand free headset and a two way radio for the exclusive use of the Engineer inclusive of the first 4,000 km per vehicle month.	V. month	6		
1.04	Extra Over on Item 1.09 inclusive of fuels, maintenance, lubricants and servicing for mileage over 4,000 km per vehicle month.	km	300		
1.05	Allow a sum of KShs 800,000 for the Engineer's miscellaneous account to be spent in whole or part as instructed by the Engineer and to be reimbursed against receipts.	Prov. Sum	1	800,000.00	
1.06	Extra Over on Item 1.13 for the Contractors Overheads and Profit.	%			-
1.07	Collect, brand, erect and maintain publicity signs as instructed by the Engineer.	№	2		
1.08	Allow for attendance upon the Engineer by the following staff in accordance with Clause 137 of Special Specification				
	(a) Assistant Engineer	M.mth	6		
	(b) Inspector of Works	M.mth	6		
	(g) Survey Assistant	M.mth	6		
	(g) Secretary	M.mth	6		
	(h) Chainmen	M.mth	6		
1.09	Include a percentage on Item 1.17 for the Contractor's Overheads and Profit.	%			-
1.10	Allow for a provisional sum of KShs 500,000 for Engineer's staff allowances and overtime	Prov. Sum	1	500,000.00	
1.11	Include a percentage on Item 1.19 for the Contractor's Overheads and Profit.	%			
BILL 1 TOTAL CARRIED TO SUMMARY PAGE					

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BILL № 4: Site Clearance and Topsoil Stripping					
ITEM	DESCRIPTION	UNIT	QUANTITY	RATE (KSH)	AMOUNT (KSH)
4.01	Clear site on road reserve including removal of trees,hedges, bushes, and other vegetation or deleterious organic material , grub up roots in accordance with the specifications	Ha	0.4		
4.02	Remove upto 0.2m top soil including removal of all grass, transport to spoil and spread or stockpile for re-use as directed by the Engineer	m ³	1,056		
4.04	Provide a Provisional Sum of Kshs. 3,000,000.00 for demolishing permanent, semi-permanent and temporary structures including sorting out the dismantled material, disposal of the material appropriately, reinstatement or as directed by Engineer	Prov. Sum	1	3,000,000.00	
4.05	Include a percentage on Item 4.04 for the Contractor's Overheads and Profit.	%			-
4.06	Provide a provisional sum of KShs.1,500,000 for relocation of services.	Prov. Sum	1	1,500,000.00	
4.07	Include a percentage on Item 4.06 for the Contractor's Overheads and Profit .	%			-
BILL 4 TOTAL CARRIED TO SUMMARY PAGE					

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BILL № 5: Earthworks					
ITEM	DESCRIPTION	UNIT	QUAN TITY	RATE (KSH)	AMOUNT (KSH)
	<i>No separate payments shall be made for the overhaul of the material and the cost of such haulage shall be included in the rates and or prices.</i>				
5.01	Cut in soft material to be stockpiled or spoiled as instructed by the engineer	m ³	1,155		
5.02	As item 5.01 but in hard material	m ³	809		
5.03	Fill in soft material from cutting or other sources approved by the engineer	m ³	1,980		
5.04	As Item 5.04 but in hard material	m ³	594		
5.05	Scarify, water, process and compact 150 mm existing ground under embankments and benched surfaces as instructed by the engineer to 95% MDD (AASHTO T99)	m ³	908		
5.06	Scarify, water, process and compact 300mm existing ground under cuttings as instructed by the engineer to 95% MDD (AASHTO T99)	m ³	1,218		
5.07	Scarify, water, process and compact existing granular pavement material as instructed by the engineer to 95% MDD (AASHTO T99)	m ³	550		
5.08	Provide, spread, water, process and compact 300 mm improved subgrade to 100% MDD (AASHTO T99) in two layers of 150 mm thickness.	m ³	1,530		
BILL 5 TOTAL CARRIED TO SUMMARY PAGE					

BILL № 9: Passage of Traffic					
ITEM	DESCRIPTION	UNIT	QUAN TITY	RATE (KSH)	AMOUNT (KSH)
9.01	Provide and maintain the signs and barriers for safe passage of traffic				
	(i) Signage	№	20		
	(ii) Barricades - drum type	№	10		
9.02	Allow a lump sum amount for the passage of traffic through the works or as instructed by the Engineer	Lump Sum	1		
9.03	Provide, spread, water, process and compact to 95% MDD (AASHTO T180) gravel of subbase quality diversion construction and maintenance or as instructed by the Engineer	m³	750		
BILL 9 TOTAL CARRIED TO SUMMARY PAGE					

BILL № 12: Natural Material in Subbase and Base					
ITEM	DESCRIPTION	UNIT	QUAN TITY	RATE (KSH)	AMOUNT (KSH)
	<i>No separate payment shall be made for the haulage of surplus or unsuitable excavated material and the cost of such haulage shall be included in the rates and/or prices</i>				
12.01	Provide, spread, water, process and compact to 95% MDD (AASHTO T180) gravel of subbase quality on carriageway, accesses, walkways and junctions or as instructed by the Engineer	m³	1071		
12.02	Provide, spread, water, process and compact to 95% MDD (AASHTO T180) gravel of base quality on carriageway, accesses and junctions or as instructed by the Engineer	m³	734		
BILL 12 TOTAL CARRIED TO SUMMARY PAGE					

BILL OF QUANTITIES No. 14 - CEMENT AND LIME TREATMENT					
ITEM	DESCRIPTION	UNIT	QUANTIT Y	RATE	AMOUNT
14.01	Provide, transport to site and spread cement stabilizer at the specified rates	t	48		
14.02	Mix in cement stabilizer (mix-in place method).	m ³	734		
14.03	Allow for curing and protection of treated material.	m ²	4,680		
BILL 14 TOTAL CARRIED TO SUMMARY PAGE					
BILL № 15: Bituminous Surface Treatments and Surface Dressing					
ITEM	DESCRIPTION	UNIT	QUANTIT Y	RATE (KSH)	AMOUNT (KSH)
	<i>Note: No haulage will be paid for bitumen, chippings or sand this should be included in the rates billed rates.</i>				
15.01	Clean and prepare surfaces of main carriageway, cycle tracks, walkway, slip roads, bus bays, accesses and junctions, provide, heat and spray on the same MC 30 cutback bitumen as prime coat at a rate of spray in the range of 0.8 litre/m ² to 1.2 litres/m ² or as instructed by the Engineer.	litre	6,630		
15.02	Clean and prepare surfaces of main carriageway, slip roads, shoulders, bus bays, accesses and junctions, provide, heat and spray K1-60 bitumen emulsion as tack coat at a rate of spray in the range of 0.8 litre/m ² to 1.0 litres/m ² or as instructed by the Engineer.	litre	29,250		
BILL 15 TOTAL CARRIED TO SUMMARY PAGE					

BILL № 16: Bituminous Mix Bases, Binder Courses and Wearing Courses					
ITEM	DESCRIPTION	UNIT	QUANTITY	RATE (KSH)	AMOUNT (KSH)
	<i>Note: No haulage will be paid for bituminous mix bases and Asphalt Concrete (AC) binder course and the rate shall be all inclusive.</i>				
16.01	Provide, lay and compact 50 mm thick Asphalt Concrete wearing course with nominal bitumen of 5.5 % and 0/20 mm gradation on carriageway, accesses, junctions, bus bays, etc; all in accordance with the specifications and as directed by the Engineer	m ³	1,058		
16.02	Provide, lay and compact Asphalt Concrete for pothole sealing and surface regulation of 0/20 mm gradation on carriageway, accesses, junctions, bus bays, in accordance with the specifications and as directed by the Engineer. The rate will include pothole cutting, cleaning, spoiling of excess material and application of K1-60 at a rate of 0.8 - 1.2 L/m ²	m ³	66		
BILL 16 TOTAL CARRIED TO SUMMARY PAGE					