



REF : CWWDA/TRBH/W/07/19-20

DATE : 11th December, 2019

ALL TENDERERS,

**RE: BURA KOFIRA PIPING AND TANK AT GARSEN SOUTH WARD OF GARSEN
CONSTITUENCY, TANA RIVER COUNTY
CONTRACT NO. CWWDA/TRBH/W/07/19-20**

CLARIFICATION ON BILLS OF QUANTITIES

The above subject matter refers.

Attached herewith please find the amended BILLS OF QUANTITIES for the above Project which shall replace the BOQ earlier used in the Bidding Document.


JACOB TORUTT
CHIEF EXECUTIVE OFFICER



**BURA KOFIRA PIPING AND TANK AT GARSEN SOUTH WARD OF GARSEN
CONSTITUENCY, TANA RIVER COUNTY**

BILL OF QUANTITIES.

S/NO.	ITEM DESCRIPTION	UNIT	QTY	RATE (KSHS)	AMOUNT (KSHS)
1	BILL NO. 1 – PRELIMINARY & GENERAL ITEMS.				
	Contractual Requirements				
1.1	Performance Security, according to clause 55 of GCC	Item	1		
1.2	Insurance for loss or damage to the works, plant and materials according to Clause 14(a) of GCC	Item	1		
	Performance Requirements				
1.3	Provide, erect and maintain sign boards shown by the Engineer (During and after construction).	Nr	2		
	Administrative Costs				
1.4	Allow Kshs. 250,000 for upkeep and subsistence allowances for CWSB staff during project during project implementation	Sum	1	25000	250,000
1.5	Allow for profit and overheads on item 1.4 above	%		250,000	
1.6	Allow for construction of a site camp	Item	1		
	TOTAL BILL NO. 1: PRELIMINARY & GENERAL ITEMS CARRIED TO SUMMARY PAGE				
2	BILL NO. 2: PIPELINE				
2.1.	Clear pipeline route of bushes, undergrowth, trees, debris and rubbish and dispose. Width of clearance to be 2000mm.	M ²	1,300		

S/NO.	ITEM DESCRIPTION	UNIT	QTY	RATE (KSHS)	AMOUNT (KSHS)
2.2	Supply, excavate, lay, backfill and pressure test the following pipes and fittings as directed by the Engineer:				
2.2.1	90mm Upvc pipes Class D	LM	1,200		
2.2.2	90mm Sluice valve (complete with relevant adaptors)	No.	2		
2.2.3	90mm VJ coupling	No.	2		
2.2.4	90mm x 63mm reducing socket	No.	1		
2.2.5	90mm HDPE pipes PN 16 (to be installed at river crossing possibly with no jointing in between)	LM	100		
2.3	Construction of Valve Chambers				
2.3.1	Construct a standard reinforced lockable concrete valve chamber with dimensions 1000mm x 1000mm and depth not exceeding 1000mm. Include for hardcore fill, boxing out for manhole and fixing of 1No. Lockable MS manhole cover and frame light duty 600 x 450mm.	No.	2		
2.4	Concrete works at river crossing				
	<i>Include necessary shuttering.</i>				
2.4.1	Construct reinforced concrete anchorages size 300mm x 300mm x 1000mm at 4m intervals (ratio 1:2:4 using D12 bars)	No.	19		
2.4.2	Construct reinforced concrete surrounding HDPE pipes on the river crossing size 150mm x 150mm x 100m.	M ³	2		
2.4.3	Allow for construction of reinforced concrete stairs on both sides of the river banks	Item	2		
2.5	Allow a provisional sum for repair of existing 2" PVC pipeline from river bank to Bura Kofira	Item	1		
2.6	Fabricate and install standard marker posts at 50m interval	No.	24		
	TOTAL BILL NO. 2: PIPELINE CARRIED TO SUMMARY PAGE				

S/NO.	ITEM DESCRIPTION	UNIT	QTY	RATE (KSHS)	AMOUNT (KSHS)
3	TOTAL BILL NO. 3 : WATER KIOSKS				
	Construct a standard water kiosks size 2.6mx2.6m c/w rc strip foundation, walling 200mm machine cut stone, doors 2.5mm 900x1200mm burglar proof steel door, windows 1300x1200mm steel casements, plumbing ppr piping 25mm, 150mm rc roof slab to hold 5,000 ltr plastic tank in cage and finishes as per the drawings.	No.	2		
	TOTAL BILL NO. 3: WATER KIOSKS CARRIED TO SUMMARY PAGE				
	SUMMARY SHEET				
1	TOTAL BILL NO.rc foundation, 1: PRELIMINARY & GENERAL ITEMS				
2	TOTAL BILL NO. 2: PIPELINE				
3	TOTAL BILL NO. 3: WATER KIOSKS				
	Sub-TOTAL				
	Add 8% Contingency				
	TOTAL				
	ADD 16% VAT				
	GRAND TOTAL				