

SPECIAL NOTES

- 1** The Contractor is required to check the numbers of the pages and should any be found to be missing or in duplicate or the figures or writing indistinct, they must inform the Quantity Surveyors at once and have the same rectified. Should the Contractor be in doubt about the precise meaning of any item, word or figure, for any reason whatsoever, or observe any apparent omission of words or figures they must inform the Quantity Surveyor in order that the correct meaning may be decided upon before the date for the submission of the Tender.
- 2** No liability whatever will be admitted nor claim allowed in respect of errors in the Contractor's Tender due to mistakes in the Bills of Quantities which should have been rectified in the manner described above.
- 3** Any doubt or obscurity as to the meaning or intention of any part of the tender documents, or any question arising, shall be taken up in writing, before submission of the tender so that the same can be clarified.
- 4** The Contractor shall not alter or otherwise qualify the text of these Bills of Quantities. Any alteration or qualification made without authority will be ignored and the text of the Bills of Quantities as printed will be adhered to.
- 5** The Contractor shall be deemed to have made allowance in their prices generally to cover items of Preliminaries or additions to Prime Cost Sums or other items, if these have not been priced against the respective items.
- 6** All items of measured work shall be priced in detail and tenders containing lump sums to cover trades or groups of work must be broken down to show prices for each item before they will be accepted. Lump sums to cover items of Preliminaries shall likewise be broken down if so required.
- 7** In no case will any expenses incurred by Contractors in preparation of this Tender be reimbursed.
- 8** The copyright of these Bills of Quantities is vested in the Quantity Surveyors and no part thereof may be reproduced without their express permission given in writing.
- 9** The Contractor is solely responsible for the accurate ordering of materials in accordance with the Drawings and Architect's instructions and no claims for any loss or expense will be entertained for orders for materials based upon the Bills of Quantities.
- 10** The Bills of Quantities must be priced in US Dollar currency. i.e., dollars & cents.
- 11** The tender documents must be priced in ink.

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GRAND SUMMARY



ITEM	PROPOSED BURHAKABA SCHOOL	AMOUNT USD
	<p>SECTION NO. 1</p> <p>PRELIMINARIES</p> <p>PRELIMINARY PARTICULARS</p> <p>A PARTIES</p> <p>The "Employer" is INTERNATIONAL ORGANIZATION FOR MIGRATION</p> <p>For the purpose of the works which are under the control of the consultants above, the respective consultants shall be deemed to be invested with the duties and be representatives of the Architect.</p> <p>B SITE</p> <p>The site is located on BURHAKABA SCHOOL</p> <p>The site of the works shall be used solely for the purpose of executing and completing the Contract to the satisfaction of the Architect.</p> <p>The Contractor shall obtain the Architect's approval for the siting of all temporary storage areas for materials.</p> <p>The Contractors shall visit the site to acquaint themselves with its nature and position, the nature of the ground, sub- strata and other local conditions, position of power and water supplies, access roads or any other limitations, and no claims for extras will be considered on account of lack of knowledge in this respect.</p> <p>The Contractor's attention is drawn to the fact that they shall confine themselves to the area necessary for executing the works as instructed by the Architect.</p> <p>The contractor must obtain the Architect's approval and directions regarding the use of any materials found on the Site. Any such material utilized in the execution of the Contract shall be measured and value assessed by the Quantity Surveyor and the amount credited to the Employer.</p>	

ITEM	PROPOSED BURHAKABA SCHOOL	AMOUNT USD

ITEM	PROPOSED BURHAKABA SCHOOL	AMOUNT USD
	<p>GENERAL MATTERS</p> <p>A SUFFICIENCY OF TENDER</p> <p>The Contractor shall be deemed to have satisfied themselves before tendering as to the correctness and sufficiency of their Tender for the Works and of the rates and prices stated in the priced Bills of Quantities, which rates and prices shall cover all their obligations under the Contract and all matters and things necessary for the proper completion and maintenance of the Works.</p> <p>B STAMP CHARGES</p> <p>The Contractor shall allow for the payment of all Stamp Charges in connection with the Surety Bond and Contract Agreement.</p> <p>C DEFINITIONS AND ABBREVIATIONS</p> <p>Terms used in these Bills of Quantities shall be interpreted as follows:</p> <p>"Approved" shall mean approved by the Architect.</p> <p>"as directed" shall mean as directed by the Architect or any other consultant in the contract.</p> <p>"BS" Shall mean the current British Standard Specification published by the British Standards Institution, 2 Park Street, London W.1, England.</p> <p>"CM" shall mean Cubic Meters.</p> <p>"SM" shall mean Square Meters.</p> <p>"LM" shall mean Linear Meters.</p> <p>"mm" shall mean Millimeters.</p> <p>"Kg" shall mean Kilograms.</p> <p>"No." shall mean Number.</p> <p>"m.s" shall mean Measured separately.</p> <p>"Ditto " shall mean as described before or as above described.</p> <p>D PROGRESS SCHEDULE</p> <p>The Contractor shall, upon receiving instructions to proceed with the work, draw up a Time and Progress Schedule setting out the order in which the Works are to be carried out with the appropriate dates thereof. This Time and Progress Schedule is to be agreed with the Architect and no deviation from the order set out in this Schedule will be permitted without the written consent of the Architect. The Main Contractor will be responsible for arranging the above programme with all Sub-Contractors including the Nominated Sub-Contractors and Nominated Suppliers.</p> <p>E FIGURED DIMENSIONS</p> <p>Figured dimensions are to be followed in preference to dimensions scaled from the Drawings; but whenever possible dimensions are to be taken on the Site or from the Buildings. Before any work is commenced by Sub-Contractors or Specialist Firms, dimensions must be checked on the Site and/or buildings and agreed with the Contractor, irrespective of the comparable dimensions shown on the Drawings. The Contractor shall be responsible for the accuracy of such dimensions.</p>	
	<p>Carried To Collection</p> <p>US\$</p>	

ITEM	PROPOSED BURHAKABA SCHOOL	AMOUNT USD
<p>A</p> <p>PROVISIONAL WORK</p> <p>All "provisional" and other work liable to adjustment under this Contract shall be left uncovered for a reasonable time to allow all measurements needed for such adjustment to be taken by the Quantity Surveyor. Immediately the work is ready for measurement, the Contractor shall give notice to the Quantity Surveyor.</p> <p>If the Contractor makes default in these respects he shall, if the Architect so directs, uncover the work at his own expense to enable the measurements to be taken.</p> <p>B</p> <p>EXISTING SERVICES</p> <p>Prior to commencement of any work the Contractor is to ascertain from the relevant Authorities the exact position, depth and level of all existing electric cables, water pipes or other services in the area and they shall make whatever provisions may be required by the Authorities concerned for the support and protection of such services. Any damage or disturbance caused to any services shall be reported immediately to the Architect and the relevant Authority and shall be made good to their satisfaction at the Contractor's expense.</p> <p>C</p> <p>TRANSPORT TO AND FROM THE SITE</p> <p>The Contractor shall include in their prices for the transport of materials, workmen, etc., to and from the Site of the proposed Works, at such hours and by such routes as are permitted by the Authorities.</p> <p>D</p> <p>OVERTIME</p> <p>The Contractor shall allow in their tender for any extra costs for overtime working they consider will be necessary in order to complete the works by the contract Date of Completion.</p> <p>If during the course of the Contract overtime is worked for a specific purpose in accordance with a written instruction issued by the Architect, the Contractor will be reimbursed in respect of such overtime to the extent only of the additional net cost of unproductive time payable over and above the basic hourly rates as laid down by the Regulations of Wages and Conditions of Employment Act, Building and Construction Industry Wages council and excluding any bonuses, profits and overheads.</p> <p>E</p> <p>PUBLIC AND PRIVATE ROADS, PAVEMENTS, ETC.</p> <p>The Contractor will be required to make good, at their own expense, any damage they may cause to the present road surfaces and pavements within or beyond the boundary of the Site, during the period of the Works. In particular, all existing trees, shrubs, plants, etc., which may be destroyed or damaged during the progress of the Works are to be made good by the Contractor to the approval of the Architect.</p> <p>F</p> <p>POLICE REGULATIONS</p> <p>The Contractor is to allow for complying with all instructions and regulations of the Police Authorities.</p>	<p style="text-align: right;">Carried To Collection US\$</p>	

ITEM	PROPOSED BURHAKABA SCHOOL	AMOUNT USD
<p>A</p>	<p>CONTRACTORS' SUPERINTENDENCE</p> <p>The Contractor shall constantly keep on the Works a literate English-speaking Agent or Representative, competent and experienced in the kind of work involved, who shall give his whole time to the superintendence of the Works. Such Agent or Representative shall receive on behalf of the Contractor, directions and instructions from the Architect and such directions and instructions shall be deemed given to the Contractor in accordance with the Conditions of Contract. The Agent shall not be replaced without the specific approval of the Architect.</p> <p>It is to be a specific condition of this Contract that the successful Tenderer shall provide on site throughout the period from the completion of the substructure to the Date for Practical Completion a suitably qualified, experienced and competent person to ensure that the works are carried out to the standard required by the specification and detailed on the Drawings; and shall ensure that upon any termination of employment a suitable replacement is found.</p> <p>Before the Tenderer's offer is accepted the Architect will personally interview the Contractor's proposed Representative. A curriculum vitae of past experience and qualifications must be provided for the Architect's scrutiny.</p> <p>The Architect's decision will be final regarding the suitability of the proposed Representative.</p>	
<p>B</p>	<p>WATER</p> <p>All water shall be fresh, clean and pure, free from earthy vegetable or organic matter, acid or alkaline substance in solution or suspension.</p> <p>The Contractor shall provide at their own risk and cost all water for use in connection with the Works (including the work of Sub-Contractors). The Contractor shall provide at their own expense all temporary distribution pipes, storage tanks, meters, etc., and they shall clear away same upon completion of the Works.</p>	
<p>C</p>	<p>LIGHTING AND POWER</p> <p>The Contractor shall provide at their own risk and cost all artificial lighting and power for use on the Works, including all Sub-Contractors' and Specialists' requirements and including all temporary connections, wiring, fittings, etc., and clearing away on completion. The Contractor shall pay all fees and obtain all permits in connection therewith.</p>	
<p>D</p>	<p>SAFETY</p> <p>In particular there shall be proper provision of planked footways and guard-rails to scaffolding, etc.; protection against falling materials and tools and the Site shall be kept tidy and clear of dangerous rubbish.</p> <p>The Architect shall be empowered to suspend work on the Site should he consider these conditions are not being observed, and no claim arising from such a suspension will be allowed.</p>	
	<p>Carried To Collection US\$</p>	

ITEM	PROPOSED BURHAKABA SCHOOL	AMOUNT USD
<p>A</p> <p>PROTECTIVE CLOTHING</p> <p>The Contractor shall provide all protective or any other special clothing or equipment for their employees that may be necessary.</p> <p>These shall include, inter-alia, safety helmets, gloves, goggles, earmuffs, gumboots, steel toed boots, overalls, etc according to the type of work. The Contractor shall ensure that all safety and protective gear are worn by all staff on site at all times</p> <p><u>MATERIALS AND WORKMANSHIP</u></p> <p>B</p> <p>GENERALLY</p> <p>All materials shall be new unless otherwise directed or permitted by the Architect and in all cases where the quality of goods or materials is not described or otherwise specified, is to be the best quality obtainable in the ordinary meaning of the word "best" and not merely a trade signification of that word.</p> <p>All materials and workmanship shall, unless otherwise specified or described, conform to the appropriate Kenya Bureau of Standards or British Standards Institution Specification current at the date of tender.</p> <p>The Contractor shall order all materials to be obtained from overseas immediately after the Contract is signed and shall also order materials to be obtained from local sources as early as necessary to ensure that such materials are on Site when required for use in the Works.</p> <p>The Contractor shall be responsible for and shall replace or make good at their own expense any materials lost or damaged.</p> <p>The Works throughout shall be executed by skilled workmen well versed in their respective trades.</p> <p>C</p> <p>REJECTED WORKMANSHIP OR MATERIALS</p> <p>Any workmanship or materials not complying with the specific requirements or approved samples or which have been damaged, contaminated or have deteriorated, must immediately be removed from the Site and replaced at the Contractor's expense, as required.</p> <p>D</p> <p>PROPRIETARY MATERIALS</p> <p>Where proprietary materials are specified herein-after the Contractor may propose the use of materials of other manufacture but equal quality for approval by the Architect.</p> <p>All materials and goods, where specified to be obtained from a particular manufacturer or supplier are to be used or fixed strictly in accordance with their instructions.</p> <p>E</p> <p>SAMPLES</p> <p>The Contractor shall furnish at the earliest possible opportunity before work commences and at his own cost, any samples of materials or workman-ship that may be called for by the Architect for his approval or rejection, and any further samples in the case of rejection until such samples are approved by the Architect and such samples, when approved, shall be the minimum standard for the work to which they apply.</p>	<p style="text-align: right;">Carried To Collection</p> <p style="text-align: right;">US\$</p>	

ITEM	PROPOSED BURHAKABA SCHOOL	AMOUNT USD
<p>A</p> <p>CONCRETE TESTS</p> <p>Concrete test cubes I.e. per set of three as later described, including testing fees, labour and materials, making moulds, transport and handling etc.. and ensuing copies of tests are promptly dispatched to the Architect's and Quantity Surveyor's offices. Successful tests only (Provisional)</p> <p>TEMPORARY WORKS</p> <p>B</p> <p>SPACE AND SERVICES FOR THE ARCHITECT</p> <p>The Contractor shall provide where directed within the site, site offices and clean toilet facilities for the sole use of the Architect and their representatives to the satisfaction of the Local Authorities. The offices shall be provided with adequate furniture and the contractor shall provide the services of a sweeper, pay all charges and keep the facilities in a clean and sanitary condition during the whole period of the Works. In particular, the Contractor is to note that the station will continue with operations during the period of the works and a separate office and store shall be provided for full time use by the station dealer. Equally, separate sanitary amenities shall be provided for the station staff to the satisfaction of the Architect and local authorities.</p> <p>C</p> <p>TELEPHONE</p> <p>The Contractor shall provide a telephone connection to the town exchange for the period of the Works, and shall pay all fees and rental for the same. The telephone connection shall remain on site until completion of the works.</p> <p>D</p> <p>SANITATION</p> <p>The Contractor shall make arrangements for the necessary toilet facilities for their staff and workmen to the requirements and satisfaction of the Health authorities and maintain the same in a thoroughly clean and sanitary condition and pay all conservancy fees during the period of the Works and remove when no longer required.</p> <p>E</p> <p>PLANT, TOOLS AND SCAFFOLDING</p> <p>The Contractor shall provide all necessary hoists, tackle, plant, vehicles, tools and appliances of on every description for the due and satisfactory completion of the Works and shall remove same completion.</p> <p>The Contractor shall provide, erect and maintain all temporary scaffolding, sufficiently strong and efficient for the due performance of the Works, including Sub-contract Works, provide special scaffolding as and when required during the Works and remove on completion and make good.</p> <p>Such scaffolding shall be constructed of tubular steel or timber of sufficient scantlings and be provided with planked footways and guard-rails to approval.</p> <p>All such plant, tools and scaffolding shall comply with all regulations whether general or local, in force throughout the period of the Contract and shall be altered or adapted during the Contract as may be necessary to comply with any amendments in or additions to such regulations.</p> <p>Scaffolding is not measured hereinafter, and the Contractor must allow here or in his rates for the above.</p>	<p style="text-align: right;">Carried To Collection</p> <p style="text-align: right;">US\$</p>	

ITEM	PROPOSED BURHAKABA SCHOOL	AMOUNT USD
<p>A</p> <p>EXISTING AND ADJACENT PROPERTY</p> <p>The Contractor must take all steps necessary to safeguard existing and adjacent property, make good at their own expense any damage to persons or property caused thereon, and hold the Employer indemnified against any such claim arising.</p> <p>The Contractor will be held fully responsible for the safety of the existing and adjacent buildings and for any damage caused in consequence of these Works. They must reinstate all damages at his own expense and indemnify the Employer against any loss.</p> <p>The Contractor must take such steps and exercise such care and diligence as to minimize nuisance from dust, noise or any other cause to the occupiers of the existing and adjacent property.</p> <p>B</p> <p>WATCHING AND LIGHTING</p> <p>The Contractor shall provide at their risk and cost all watching and lighting as necessary to safeguard the Works, plant and materials against damage and theft.</p> <p>C</p> <p>SIGNBOARD</p> <p>The Signboard and lettering on same for the display of the General and Sub-Contractors' names shall be of an approved size with the Employer's name painted thereon. The Architect's Quantity Surveyor's and other Consultants' names shall be printed in 50 mm letters all to the Architect's approved design. No other signboard or advertising will be permitted without prior permission from the Architect.</p>		
	<p>Carried To Collection</p>	<p>US\$</p>

ITEM	PROPOSED BURHAKABA SCHOOL	AMOUNT USD
<p>A</p> <p>PRIME COST RATES</p> <p>Where description of items include a P.C. rate per unit this rate is to cover the net supply cost of the unit only. The Contractor's price must include for the cost of the unit at the rate stated, plus waste, taking delivery, storage, fixing in position, profit and overheads.</p> <p>The actual net cost per unit will be adjusted within the Final Account against the P.C. rate stated.</p> <p><u>PROTECTION AND CLEANING</u></p> <p>B</p> <p>PROTECTION</p> <p>The Contractor shall cover up and protect from damage, including damage from inclement weather, all finished work and unfixed materials, including that of Sub-Contractors, etc., to the satisfaction of the Architect until the completion of the Contract.</p> <p>C</p> <p>CLEANING</p> <p>The Contractor shall, upon completion of the Works, at their own expense, remove and clear away all surplus excavated materials, plant, rubbish and unused materials and shall leave the whole of the Site and Works in a clean and tidy state to the satisfaction of the Architect, including clearing away and making good all traces of temporary access roads, offices, sheds, camps, etc. Particular care shall be taken to leave clean all floors and windows and to remove all paint and cement stains. They shall also, at the discretion of the Architect, remove all rubbish and dirt as it accumulates. The Contractor is to find their own dump and shall pay all charges in connection therewith.</p>		
	<p>Carried To Collection</p>	<p>US\$</p>

ITEM	PROPOSED BURHAKABA SCHOOL	AMOUNT USD
	<u>Collection</u>	
	Brought forward from Page 1/3	
	Brought forward from Page 1/4	
	Brought forward from Page 1/5	
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	<u>TOTAL FOR SECTION 1: PRELIMINARIES AND GENERAL DESCRIPTIONS CARRIED TO GRAND SUMMARY</u>	
	US\$	

ITEM NO.	DESCRIPTION	UNIT	QUANTITY	RATE (US\$)	AMOUNT (US\$)
	<p>GRANT NO. BAI086 <u>PROPOSED BUURHAKABA SCHOOL REHABILITATION</u> <u>BUURHAKABA - SOUTH WEST STATE</u></p> <p><u>SECTION 2: OFFICES</u></p> <p><u>ELEMENT NO. 1</u></p> <p><u>SUBSTRUCTURES (PROVISIONAL)</u></p> <p><u>Excavations including maintaining and supporting sides and keeping free from water, mud and fallen material</u></p>				
A	Excavate trench for foundation not exceeding 1.50 meters deep, starting from stripped levels	CM	31		
	<u>Disposal</u>				
B	Return, fill and ram selected excavated material around foundations	CM	25		
C	Load, wheel and cart deposit and spread surplus excavated material where directed on site at a distance not exceeding 100 meters	CM	6		
	<u>Hardcore or other approved filling, as described</u>				
D	300mm thick well compacted hardcore filling blinded with 25mm thick quarry dust layer to receive surface bed	SM	13		
	<u>Anti-termite treatment</u>				
E	Gladiator or equal and approved chemical anti-termite treatment, executed complete by an approved specialist under a ten-year guarantee, to surfaces of hard-core	SM	13		
	<u>Damp-proof membrane</u>				
F	1000 gauge polythene or other equal and approved damp-proof membrane, laid over blinded hardcore (m.s) with 300mm side and end laps (measured nett-allow for laps)	SM	13		
	<u>Plain concrete class 15 in:</u>				
G	50mm blinding under strip footing	SM	1		
	<u>Reinforced concrete class (20) as described, in:-</u>				
H	Strip footing	CM	6		
I	125mm thick surface bed laid in bays including all necessary formwork	SM	19		
	CARRIED TO COLLECTION AT END OF ELEMENT 1	US\$			

	<u>Reinforcement, as described:-[PROVISIONAL]</u>			
	<u>High yield square twisted reinforcement bars to B.S 4461</u>			
A	8mm bars	Kg	53	
B	10mm bars	Kg	118	
	<u>Mesh fabric reinforcement to B.S 4483 and setting in concrete with 300mm side and end laps (measured nett-allow for laps).</u>			
C	Fabric ref. A142 weighing 2.22kg/ sq.metre, in surface bed	SM	48	
	<u>Sawn formwork as described to:-</u>			
D	To edge of steps and slabs over 75mm but not exceeding 150mm high	LM	48	
	<u>200x400mm hollow block walling bedded and jointed in cement and sand (1:4) mortar, reinforcement with and including 25mm wide x 20 gauge hoop iron at every alternate course as described in:</u>			
E	200mm thick walling	SM	36	
	<u>Damp-proof courses, as described, to walls</u>			
F	200mm wide	LM	48	
	CARRIED TO COLLECTION AT END OF ELEMENT 1	US\$		
	<u>ELEMENT NO. 1 COLLECTION</u>			
	FROM PAGE		2/1	
	FROM PAGE		Above	
	TOTAL CARRIED TO THE END OF SECTION 2	US\$		

GRANT NO. BAI086

BUURHAKABA - SOUTH WEST STATE

SECTION 2: OFFICES

ELEMENT NO. 2

REINFORCED CONCRETE FRAME

Reinforced concrete class 25, as described in:-

A	Beams <u>Reinforcement, as described (PROVISIONAL)</u> <u>High yield square twisted reinforcement to BS 4461</u>	CM	3
B	8mm ditto	Kg	53
C	10mm ditto	Kg	118
D	<u>Sawn formwork, as described, to:-</u> Sides and soffits of beams	SM	29

TOTAL CARRIED TO THE END OF SECTION 2

US\$

GRANT NO. BAI086

BUURHAKABA - SOUTH WEST STATE

SECTION 2: OFFICES

ELEMENT NO. 3

WALLING

200x400mm hollow block walling bedded and jointed in cement and sand (1:4) mortar, reinforcement with and including 25mm wide x 20 gauge hoop iron at every alternate course as described in:

A	200mm thick walling externally	SM	116
C	150mm dia. Galvanized Circular Hollow Section (CHS)poles	No.	4

TOTAL CARRIED TO THE END OF SECTION 2

US\$

GRANT NO. BAI086

BUURHAKABA - SOUTH WEST STATE

SECTION 2: OFFICES

ELEMENT NO. 4

ROOF CONSTRUCTION AND FINISHES

The following in roof trusses with nailed or bolted connections including hoisting and fixing in position not exceeding 6.0 meters above ground floor level

In sawn treated cypress Grade 2

Trusses

A	100x50mm rafters	LM	99
B	100x50mm strut or tie	LM	30
C	100x50mm wall plate fixed with and including 200mm long 12mm diameter rag bolts cast into beam at 1500mm centres	LM	28
D	Roof sheets as IT4 profile gauge 28 pre-painted galvanised roofing sheets laid with 95 mm side and 200 mm end laps hook bolts, PVC washer and tropicalized slip cup	SM	99

Roof sheets as IT4 profile gauge 28 pre-painted galvanised

TOTAL CARRIED TO THE END OF SECTION 2

US\$

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GRANT NO. BAI086

BUURHAKABA - SOUTH WEST STATE

SECTION 2: OFFICES

ELEMENT NO. 5

FINISHES

15 mm cement and sand (1:3) render, finished with woodfloat to:-

A Concrete or masonry surfaces externally SM 231

12mm (minimum) two coat lime plaster as described to

Floor Finishes

Cement and sand (1:3) screeds, backings, beds etc

C 40mm bed finished floor screed SM 66

Ceiling

Timber branderling

D 100x50mm softwood timber plugged on wall LM 140

E 50x50mm softwood timber nailed LM 120

Chipboard ceiling

F 10mm decorative chipboard ceiling nailed to timber branderling (m.s) to manufacturer's specification SM 66

Painting and decorating

Prepare and apply three coats first quality emulsion paint on:-

G Plastered walls externally SM 231

Prepare and apply three coats first quality silk vinyl emulsion paint on:-

I Chipboard ceiling SM 66

Rustic ceramic Tiles from approved supplier fixed with seal master 101' or equal and approved tile adhesive: jointed and pointed in 'seal master 201' grout: clean with approved detergent and apply 'Johnson wax' polish: allow for tile spacers: on

J Floors on prepared screed SM 66

K 100x50mm skirting all round LM 33

TOTAL CARRIED TO THE END OF SECTION 2

US\$

GRANT NO. BAI086

BUURHAKABA - SOUTH WEST STATE

SECTION 2: OFFICES

ELEMENT NO. 6

WINDOWS

Supply, assemble and fix the following purposed-made
standard 20x20x4mm thick aluminuim
sliding windows including 4mm glazing

A

Window size 1500x1200mm high

No.

4

TOTAL CARRIED TO THE END OF SECTION 2

US\$

GRANT NO. BAI086

BUURHAKABA - SOUTH WEST STATE

SECTION 2: OFFICES

ELEMENT NO. 7

DOORS

45mm thick solid core flush door to B.S 459: parts faced both sides with 6mm mahogany veneered plywood and lipped on all edges in hardwood, including all planted moulding. Complete with hinges and locks

A	50mm thick door overall size 900x2150mm high	No.	2
	<u>Supply delivery and fix</u> the following ironmongery with matching screws		
B	100mm butt hinges	Pce	4.0
C	3 lever mortice lock as Union 2277 complete with Union 2277 683 -06 -2 brass lever furniture	No.	2
D	Rubber door stop plugged to concrete floor	No	2

TOTAL CARRIED TO THE END OF SECTION 2

US\$

GRANT NO. BAI086

BUURHAKABA - SOUTH WEST STATE

SECTION 2: OFFICES

ELEMENT NO. 8

ELECTRICAL INSTALLATION AND SERVICES

A

Provide a Provisional Sum of US\$.
only for Electrical Installations
to be expended as directed by the Architect and measured
and valued on completion

Item

1

TOTAL CARRIED TO THE END OF SECTION 2

US\$

GRANT NO. BAI086

BUURHAKABA - SOUTH WEST STATE

SECTION 2: OFFICES

MAIN SUMMARY

<u>ELEMENT NO</u>	<u>TITLE</u>	<u>PAGE</u>
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**TOTAL FOR SECTION 2: OFFICES CARRIED TO GRAND
SUMMARY**

US\$

ITEM	DESCRIPTION	UNIT	QNTY	RATE USS	AMT USS
GRANT NO. BAI086 PROPOSED BUURHAKABA SCHOOL REHABILITATION BUURHAKABA - SOUTH WEST STATE					
SECTION 3: TOILETS (1 block of 4 toilets)					
ELEMENT NO. 1 : SITE PREPARATION					
A	Clear site of all bushes and debris. Grab up roots and burn the arisings	m ²	28.00		
B	Load, wheel and cart deposit and spread surplus excavated material where directed on site at a distance not exceeding 100 meters	Item	1.00		
Sub-Total carried to summary				\$	
SECTION 3: TOILETS (1 block of 4 toilets)					
ELEMENT NO. 2 : SUBSTRUCTURES (PROVISIONAL)					
<u>Excavations including maintaining and supporting sides and keeping free from water, mud and fallen material</u>					
A	Top soil excavation average 200mm deep	m ²	28.00		
B	Excavate trench for foundation not exceeding 1.50 meters deep, starting from stripped levels	m ³	42.00		
Planking and strutting					
C	Allow for keeping foundations free from water, mud, fallen materials, etc.	LS	1.00		
<u>Disposal</u>					
D	Return, fill and ram selected excavated material around foundations	m ³	29.40		
E	Load, wheel and cart deposit and spread surplus excavated material where directed on site at a distance not exceeding 100 meters	m ³	12.60		
Hardcore or other approved filling, as described					
F	300mm thick well compacted hardcore filling blinded with 25mm thick quarry dust layer to receive surface bed	m ²	11.20		
G	50mm thick Quarry dust blinding to surfaces of hardcore :rolled smooth to receive polythen sheeting (m.s)	m ²	11.20		
<u>Anti-termite treatment</u>					
H	Gladiator or equal and approved chemical anti-termite treatment, executed complete by an approved specialist under a ten-year guarantee, to surfaces of blinding	m ²	11.20		
Damp-proof membrane					
I	1000 gauge polythene or other equal and approved damp-proof membrane, laid over blinded hardcore (m.s) with 300mm side and end laps (measured nett-allow for laps)	m ²	11.20		
Sub-Total carried to summary				\$	
SECTION 3: TOILETS (1 block of 4 toilets)					
ELEMENT NO. 3 : CONCRETE WORKS					
<u>Plain concrete class 15 in:</u>					
A	50mm blinding	m ²	0.56		
<u>In situ concrete class 25/20 , vibrated and reinforced as described, in:-</u>					

	<u>BEAMS</u>		
A	Ground beam	m ³	6.30
B	Ring beam 1 and 2	m ³	9.36
C	Columns	m ³	2.00
	<u>SLABS</u>		
A	200mm thick surface bed laid in bays including all necessary formwork	m ³	5.60
	Ditto:		
C	Steps	m ³	0.60
D	150mm thick top roof laid in bays including all necessary formwork	m ³	4.20
	<u>Reinforcement, as described:-[PROVISIONAL]</u>		
	<u>High yield square twisted reinforcement bars to B.S 4461</u>		
	BEAMS		
	GROUND BEAM		
A	Y12 (Nominal Diameter 12mm) bars as main bars, Cross-Sectional Area (113mm ²), Mass per unit length (0.888kg/m)	Kg	186.48
B	R8 (Nominal Diameter 8mm) bars as rings, Cross-Sectional Area (50.3mm ²), Mass per unit length (0.395kg/m)	Kg	60.47

	RING BEAM 1			
C	Ditto for Y12 as main bars	Kg	138.53	
D	Ditto for R8 as rings	Kg	109.09	
	<u>Reference A142 mesh 200 x 200 mm , weight 2.22 kgs per square meter (measured net - no allowance made for laps (including bends, tying wire and distance blocks)</u>			
J	Fabric ref. A142 weighing 2.22kg/ sq.metre, in surface bed	m ²	11.20	
	Sawn formwork as described to:-			
K	To edge of floor slab	m ²	3.40	
M	Ditto to sides of steps	m ²	1.70	
	Sub-Total carried to summary	\$		
	SECTION 3: TOILETS (1 block of 4 toilets)			
	ELEMENT NO. 4 : WALLING			
	<u>SUB-STRUCTURE WALLING</u>			
	<u>Approved compacted hardcore fill bedded and jointed in cement sand mortar (1:4)</u>			
A	400mm thick rubble stone foundation walling	m ³	21.00	
	<u>SUPER-STRUCTURE WALLING</u>			
	<u>200x400mm hollow block walling bedded and jointed in cement and sand (1:4) mortar, reinforcement with and including 25mm wide x 20 gauge hoop iron at every alternate course as described in:</u>			
B	200 mm thick reinforced in every third course	m ²	100.00	
	<u>Horizontal Damp Proof Course:one layer of 3-ply bituminous felt or other equal approved (measured nett-allow for laps)</u>			
C	200mm wide; B.S. 743 Type A bitumen hessian base 150 mm laps (no allowance made for laps); horizontal, 1 no. layer, bedded in cement sand (1:3) mortar	LM	35.00	
	Sub-Total carried to summary	\$		

	<p>SECTION 3: TOILETS (1 block of 4 toilets)</p> <p>ELEMENT NO. 5 : FINISHES</p> <p><u>Floor Finishes</u></p> <p><u>Cement and sand (1:3) screeds, backings, beds etc</u></p>				
A	<p>25mm Thick cement/sand (1:4) screed to receive Ceramic floor tiles (measured separately)</p>	m ²	5.60		
	<p>Rustic 300x300mm non-slip ceramic Tiles from approved supplier fixed with 'seal master 101' or equal and approved tile adhesive: <u>jointed and pointed in 'seal master 201' grout: clean with approved detergent and apply 'Johnson wax' polish: allow for tile spacers: on</u></p>				
C	<p>Floor tiles</p>	m ²	5.60		
D	<p><u>Skirtings:</u> 100mm wide with rounded junction with wall finish and coved junction with floor finish</p>	m ²	3.50		
E	<p>Ditto for edge of steps and slab</p>	m ²	1.70		
	<p><u>Wall Finish</u></p> <p><u>15 mm cement and sand (1:3) render, finished with woodfloat to:-</u></p>				
F	<p>Concrete or masonry surfaces internally and externally Painting</p>	m ²	100.00		
	<p><u>Fill uneven surfaces with stucco filler to approval and apply two coats soft white external textured paint to:-</u></p>				
G	<p>Plastered and rendered surfaces</p>	m ²	100.00		
	<p><u>Glazed 300x300mm ceramic Tiles from approved supplier fixed with 'seal master 101' or equal and approved tile adhesive: <u>jointed and pointed in 'seal master 201' grout: clean with approved detergent and apply 'Johnson wax' polish: allow for tile spacers: on</u></u></p>				
G	<p>Plastered surfaces</p>	m ²	100.00		
	<p><u>Prepare and apply two undercoats of brilliant white emulsion paint (RAL Code 9001) and two finishing coats of first quality brilliant white Silk Vinyl emulsion paint (RAL Code 9001) to:-</u></p>				
H	<p>Plastered surfaces internally and externally</p>	m ²	100.00		
J	<p>Vent grills</p>	LS	1.00		
	<p>Sub-Total carried to summary</p>	\$			

SECTION 3: TOILETS (1 block of 4 toilets)

ELEMENT NO. 6 : ELECTRICAL INSTALLATIONS

Lighting Fittings

Supply and install following lighting fixtures with all accessories as per the specifications and drawings and complete with lamp fitting and accessories of Engineer or approved make.

A	Type 4S - 4x18w surface mount fluorescent light fitting	No.	4.00
B	Type W1 - 1x36w Surface mounted waterproof polycarbonate fluorescent light fitting	No.	1.00
C	150W LED floodlight	No.	1.00

Switches

D	5 Amps one gang one way switch	No	4.00
E	5 Amps two gang one way switch	No	4.00

Socket outlets

Supply and installation of fused shuttered switched socket outlet to comply with relevant BS standard (Clipsal, Orange, Crabtree/Tenby/ABB or equivalent). Wiring (including supply of earth wire and all other material required) of above socket outlet using approved type 2.5mm² PVC/PVC copper cable and 2.5mm² earth wire drawn through securely fixed concealed PVC conduit in a ring circuit. Socket outlet points

D	13 A twin sockets outlet	No	4.00
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Cables, Cable pathways and Conduits

Supply, install, test and commission 450/750 volts 6491X cables with all required accessories for proper installation and operation including conduits, pipes(each cable in separate conduit or pipe), cable lugs, ties... etc. as shown on drawing, as per the preamble, the specifications and supervision engineer's requirements.

E	Supply, install and connect complete 1.5 sq. mm colour-coded SC cables to lighting points drawn in Concealed /surface 20mm HG PVC conduits, complete with draw boxes, switch boxes and other necessary accessories.	M	20.00
F	Supply and install two compartment floor recessed metallic electrical floor box with flap cover complete with lifting handle, cable cable flaps, as Crabtree Britmac or equal and approved	No.	1.00

Sub-Total carried to summary

\$

SECTION 3: TOILETS (1 block of 4 toilets)

ELEMENT NO. 7 : PLUMBING INSTALLATIONS

PIPING

Supply, deliver and install pipes, tubing and fittings as described and shown on the drawings. The pipes shall be PPR PN 20 pipes and all conforming to the current European standards for PPR installations and to the Engineers approval. pipe jointing shall be by polyfusion or use of electric coupling and to manufacturer's printed instructions. Rates must allow for all Metal/plastic threaded adaptors where required, valves, unions, sockets, sliding and fixed joints, support raceways, isolating sheaths, elastic material, expansion arms and bends, crossovers, couplings, clippings, connectors, joints and for the connection of sanitary fixtures etc. as required in the running lengths of pipework and also where necessary, for pipe fixing clips, holder bats plugged and screwed for the proper and satisfactory functioning of the system. The pipes will be pressure tested before the plastering of wall commences and as per the manufacturers recommended testing procedures. The sizes indicated are the minimum bore sizes.

A Supply and install heavy duty PPR pipes including all connections LS 1.00

SANITARY INSTALLATIONS

Sanitary appliances complete with all the connections to services, waste, jointing to supply overflows and plugging and screwing to the floors. Where trade names are mentioned below, the reference is intended to be as a guide to the type of fitting.

B Pedestal wash hand basin in white vitreous china size 500x400 mm complete with 'Aztec' chromed taps and handles, a 32mm diameter chrome plated pop-up waste and a 32mm Caradon Terrain' plastic bottle trap. Wash hand basin to be as 'Twyford Galerie Design' or equal and approved No. 2.00

C Supply and fix white glazed fireclay Oriental squatting W.C. suite (HARSA Type), or equivalent complete with plastic double action flushing cistern, and fixed chromium plated tap 1/2", including all water supply pipes 1/2", flushing mechanism, angle valves, 4" diam PVC drainage pipe to the nearest manhole as specification and drawings. as specification and drawings. No. 4.00

D Recessed toilet roll holder in white vitreous china size 150x150 mm. To be as 'Twyford' or equal and approved No. 4.00

E Wall-mounted push-button soap dispenser complete with initial charge and mounting brackets. Soap dispenser to be as 'Star mix' or equal and approved No. 2.00

F 6 mm thick polished beveled plate glass mirror size 610x610 mm on foam and 6 mm plywood timber backing in hard wood timber framing fixed on wall with dome headed brass screws No. 2.00

G Supply and fix water storage plastic tank 1.5 m3 capacity with locks for cover, with approved type not less than 32 kg weight, complete with lockable cover, 1 inch diam. automatic float valve, overflow pipe (1" diam) and drip tray, with all connections for rising main and distribution pipe work and stop valves 1" with all accessories as specification and drawings, including painting tanks with white oil paint . LS 1.00

I Allow for all all connections, testing and commissioning of the sanitary fittings and accessories to the entire satisfaction of the Engineer. LS 1.00

J Supply and Install a standby booster pump with capacity = 5 m3/hr and head equal 30 m. The item includes all the required fittings & equipments (valves, T, elbows, non return valves,. etc.), also the item includes steel box protection with lock, automatic operation device and connecting to electrical source with needed cables and all as Representative Engineer instructions as specification and drawings No. 1.00

K Supply & install, water meter device, type (ARAD) or equivalent 1", with gate valve 1" inch diameter, jointing, and connection to the existing water supply pipe 4" including all required fittings and accessories and as specification and drawings. No. 1.00

Sub-Total carried to summary

\$

SECTION 3: TOILETS (1 block of 4 toilets)

ELEMENT NO. 8 : OPENINGS

WINDOWS

Extruded anodised aluminium sliding frame 80x50mm mosquito netting and fabricated aluminium burglar proof grill with 6mm thick glass with blue anti-glare film.

A	Overall size 800 x 600mm high	No.	4.00
B	Precast concrete window cill size 260 x 50mm Thick sunk - weathered and throated and bedded and jointed in cement sand mortar	No.	4.00

VENT BLOCKS

C	800mm x 600mm	No.	4.00
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DOORS

45mm thick solid core flush door to B.S 459: parts faced both sides with 6mm mahogany veneered plywood and lipped on all edges in hardwood, including all planted moulding. Complete with hinges and locks

A	50mm thick door overall size 900x2150mm high Supply delivery and fix the following ironmongery with matching screws	No.	4.00
B	100mm heavy duty butt hinges	No.	12.00
C	3 lever mortice lock as Union 2277 complete with Union 2277 683 -06 -2 brass lever furniture	No.	4.00

Sub-Total carried to summary

\$

**GRANT NO. BAI086
PROPOSED BUURHAKABA SCHOOL REHABILITATION
BUURHAKABA - SOUTH WEST STATE**

SECTION 3: TOILETS (1 block of 4 toilets)

MAIN SUMMARY

No.	ELEMENT	PAGE
1	ELEMENT NO. 1 : SITE PREPARATION	
2	ELEMENT NO. 2 : SUBSTRUCTURES (PROVISIONAL)	
3	ELEMENT NO. 3 : CONCRETE WORKS	
4	ELEMENT NO. 4 : WALLING	
5	ELEMENT NO. 5 : FINISHES	
6	ELEMENT NO. 6 : ELECTRICAL INSTALLATIONS	
7	ELEMENT NO. 7 : PLUMBING INSTALLATIONS	
8	ELEMENT NO. 8 : OPENINGS	

Grand Total

TOTAL FOR SECTION 5: CARRIED TO GRAND SUMMARY

NO.	DESCRIPTION	UNIT	QTY	RATE	AMOUNT
<p>GRANT NO. BAI086 PROPOSED BUURHAKABA SCHOOL REHABILITATION BUURHAKABA - SOUTH WEST STATE</p> <p>SECTION 4: TOILETS REHAB (2)</p>					
1	FLOOR CONSTRUCTION AND TILING				
1.1	10 cm thick 1:2:4 concrete sla, cast on site including verandah and steps (33x0.1)	M ³	1.2		
1.2	provide and lay a high quality ceramic tiles or the floor (Quality of tiels subject to engineer's approval) for the floor as well as the wall of the toilets	M ²	44		
1.3	Provide and lay down skirting tiles to all the wall ends of the rooms	LM	16		
	Sub-Total				
2	WALL CONSTRUCTION				
2.1	Rehabilitate the damaged walls of the latrines with sement sand mortar	M ²	10		
2.2	supply and construct new vent blocks at the top of the doors and as a window at the backside of the toilet	Pcs	4		
	Sub-Total				
3	ROOF CONSTRUCTION				
3.1	Supply and fix box profile iron corrugated sheets gauge #28, with timber roof trusses c/c 1.5m. All the roof trusses should be anchored with 6 mm dia. bars in the concrete roof lintel. Roof purlins at gable ends should be anchored with 6 mm dia. bars, flat metal sheet should be anchored where trusses and purlins meet.for all rooms and verandah as per drawings	M ²	12		
3.2	Fixing 4mm laminated ceiling board completed with 50x50cm ceiling joists c/c 60 cm for all latrines	M ²	8		
3.3	Supply and fix fascia board throught out the building	LM	12		
	Sub-Total				
4	PLASTERING AND PAINTING				
4.1	Internal and external walls plastering 20mm thick mortar ratio 1:3 where necessary	M ²	21		
4.2	Provide and apply to all external and internal walls and veranda vent blocks with white washing (158x4)	M ²	84		
4.3	painting internal and external walls with emulsion painting.	M ²	84		
4.4	Apply two coats of gloss paint on fascia board	LM	12		
	Sub-Total				
5	DOORS AND WINDOWS				
5.1	Supply and install regular steel local doors (1x 2.10) m for all the rooms, hard wood lipped all round, complete and painted (internal) with locks, hinges and painting.	No.	2		
	Sub-Total				
6	SANITARY INSTALLATION AND PLUMPING				
6.1	supply, install and test Squat (arab) type ceramic water closet (WC) complete with cistern and trap (syphon)	NO.	2		
6.2	Supply, install and test Standard ceramic Wash hand Basins (WHB) complete with taps, trap and drain pipes	NO	2		
6.3	Supply and fit Floor traps to bathrooms, complete with drain pipes	NO	2		
6.4	Supply and fit Upvc Ablution Wash tap, complete with flexi pipe , to suit	No.	2		
6.5	DRAINAGE. Excavate and lay adequate soil water (sewage) piping from the latrine block, including inspection chambers / manholes to the Septic tank.	LS	1		
6.6	SEPTIC TANK: Undertake the necessary excavations and rehabilitate the existing Septic tank and cover with reinforced concrete slap on a 20cm thick beam .	LS	1		
	Sub-Total				
	GRAND TOTAL				

ITEM NO.	DESCRIPTION	UNIT	QTY	RATE (US\$)	AMOUNT (US\$)
	GRANT NO. BAI086 PROPOSED BUURHAKABA SCHOOL REHABILITATION BUURHAKABA - SOUTH WEST STATE SECTION 5: CLASSROOM AND MEETING HALL REHAB				
	ELEMENT No. 1: ROOF DEMOLITION, FOUNDATION EXCAVATION & CONSTRUCTION				
A	Remove the old iron sheet from the existing classrooms and meeting hall with out damaging the wooden truss system as well as remove the veranda columns and cart away the debris from the site	Ls	1.00		
B	Foundation trench excavations dug with manpower using hand tools; 50cm wide and 1m deep for the veranda construction for both classrooms and meeting hall	CM	23.00		
C	Lay at the bottom of excavated trenches 50mm of blinding with lean concrete 1:4:8	CM	1.15		
D	Construction of 40 cm foundation stone wall. all joints between stones should be filled with 1:4 cement/sand mortar. Minimum height of the foundation wall from the Ground level is 60cm.	CM	11.04		
E	40 cm thick well compacted hardcore back fill	CM	32.00		
E	Aniti ternite treatment: Gladiator or equal and approved chemical anti-termite treatment, executed complete by an approved specialist under a ten-year guarantee, to surfaces of blinding	SM	78.50		
F	Damp proof membrane: 1000 gauge polythene or other equal and approved damp-proof membrane, laid over blinded hardcore (m.s) with 300mm side and end laps (measured nett-allow for laps)	SM	78.50		
	Sub - Total carried to summary				
	ELEMENT No. 2: FLOOR CONSTRUCTION				
A	Construction of R.C. Foundation level ring beam (40 x 20) cm 1:2:3 ratio with 4 nos 12mm y-bars and 20cm c/c staffs	CM	3.68		
B	15 cm thick 1:2:4 concrete slab, cast on site including door steps.	CM	11.7		
C	40 mm Cement and sand screed flooring including door steps smoothly trowel finished for the storage hall	SM	78.5		
	Sub - Total carried to summary				
	ELEMENT No. 3: WALL CONSTRUCTION				
A	Construction of 20 cm thick cement concrete block dwarf wall with 1:3 cement/sand mortar. Including hoop iron at every alternate third course	SM	92		
B	Provide and cast RC veranda columns with the specified distance at the design center to center (0.2x0.2x3x14)	CM	1.68		
	Sub - Total carried to summary				
	ELEMENT No. 4: ROOF CONSTRUCTION				
A	Supply and fix box profile iron corrugated sheets gauge #28, with already existing roof trusses	SM	293		
B	Fixing 4mm laminated ceiling board completed with 50x50cm ceiling joists c/c 60 cm	SM	225.6		
	Sub - Total carried to summary				

	ELEMENT No. 5: PAINTING				
B	Fill uneven surfaces with stucco filler to approval and apply two coats soft white external textured paint to:	SM	309		
C	Prepare surfaces and apply two coats of silk washable paint or equal and approved manufacturer(s) on concrete and masonry surfaces: measured overall on both sides also paint the existing doors and windows	SM	435		
D	Prepare surfaces and apply two coats water emulsion paint as 'Crown' or equal and approved manufacturer(s) on ceiling surfaces: measured overall on both sides	SM	78		
	Sub - Total carried to summary				
	ELEMENT No. 1: FOUNDATION EXCAVATION & CONSTRUCTION				
	ELEMENT No. 2: FLOOR CONSTRUCTION				
	ELEMENT No. 3: WALL CONSTRUCTION				
	ELEMENT No. 4: ROOF CONSTRUCTION				
	ELEMENT No. 5: PLASTERING & PAINTING				
	TOTAL GRAND SUMMARY				

ELEMENT No.	ITEM	DESCRIPTION	UNIT	QUANTITY	RATE (US\$)	AMOUNT (US\$)
		GRANT NO. BAI086 PROPOSED BUURHAKABA SCHOOL REHABILITATION BUURHAKABA - SOUTH WEST STATE				
		<u>SECTION 6 : BOUNDARY WALL (60MX90M)</u>				
1		<u>SITE PREPARATION</u>				
		Clear site of all bushes, grab up roots and burn their arisings	SM	60		
		<u>Sub-Total</u>				
2		<u>SUBSTRUCTURES (PROVISIONAL)</u>				
		<u>Excavations including maintaining and supporting sides and keeping free from water, mud and fallen material</u>				
	A	Excavate trench for foundation not exceeding 1.50 meters deep, starting from stripped levels	CM	270		
		<u>Disposal</u>				
	B	Return, fill and ram selected excavated material around foundations.	CM	156		
	C	Load, wheel and cart deposit and spread surplus excavated material where directed on site at a distance not exceeding 100 meters	CM	114		
		<u>Sub-Total</u>				
3		<u>CONCRETE WORKS</u>				
		<u>Plain concrete class 15 in:</u>				
	D	50mm blinding under strip footing	CM	9		
		<u>Reinforced concrete class (20) as described, in:-</u>				
	E	Strip footing	CM	36		
		<u>Reinforcement, as described:-[PROVISIONAL]</u>				
		<u>High yield square twisted reinforcement bars to B.S 4461</u>				
	F	10mm bars	Kg	555		
	G	8mm bars	Kg	332		
		<u>Sub-Total</u>				
4		<u>WALLING</u>				
		<u>200x400mm hollow block walling bedded and jointed in cement and sand (1:4) mortar, reinforcement with and including 25mm wide x 20 gauge hoop iron at every alternate course as described in:</u>				
	H	200mm thick substructure walling	SM	300		
	I	200mm thick superstructure walling	SM	690		
	J	Extra over walling for 400x400 piers	LM	120		
		<u>ACCESSORIES/SUNDRY ITEMS FOR BLOCK WALLING</u>				
	K	Damp proof courses on surfaces not exceeding 200 mm wide	LM	300		
		<u>Sub-Total</u>				

5

FINISHES**PLASTERED/RENDERED/ROUGHCAST COATINGS**

Cement-sand 1:3 to :-

L

15 mm thick plaster wood floated hard both ways

SM

1,380

PaintingPrepare and apply three coats first quality silk vinyl emulsion paint on:-

M

Plastered surfaces internally and externally

SM

1,380

Sub-Total

6

GATE

K

Supply and fix double leaf steel gate size 5000x 2100mm high with small pedestrian door made from 3mm thick steel plate welded on both sides of the frame. Frame as follows: 75x50x3mm thick RHS external members and 25mm SHS 3mm thick secondary members, fixed onto the concrete columns using heavy duty steel pin hinges; with all fastening accessories including all cutting welding, grinding and priming with one coat of grey oxide before fixing. The gate should also have peep holes of not more than 25mm dia with a sliding door. It should also have 2 locking mechanisms, top and bottom.

No.

1

Sub-Total**MAIN SUMMARY****Ref.** | **Element****1** SITE PREPARATION

3/2

2 SUBSTRUCTURES (PROVISIONAL)

3/3

3 CONCRETE WORKS

3/4

4 WALLING

3/5

5 FINISHES

3/6

6 GATE

3/7

TOTAL FOR SECTION 5: BOUNDARY WALL CARRIED TO**GRAND SUMMARY****Page****Amount**

ITEM NO.	DESCRIPTION	Unit	Quantity	RATE	AMOUNT\$US
	<p>GRANT NO. BAI086 PROPOSED BUURHAKABA SCHOOL REHABILITATION BUURHAKABA - SOUTH WEST STATE</p> <p><u>SECTION 7 : SEPTIC TANK AND SOAK PIT</u></p> <p>1 <u>ELEMENT 1 : SEPTIC TANK</u></p> <p><u>Excavations including maintaining and supporting sides and keeping free from water, mud and fallen material</u></p>				
A	Stripping of surface and excavation for septic tank in soft soil up to depth of approximately 1.8m; pit dimensions: 32.5m width x 5m length	C.M	22.50		
B	Excavation for septic tank in hard rock at a depth approximately starting at 1.8m, finishing at 3.0 m; 2.5m width x 5m length. (when rock is not encountered, the excavation rates in soft soil will apply at these depths)	C.M	15.00		
	<u>Reinforced concrete class 25.</u>				
C	150mm thick vibrated reinforced concrete for bottom slab (concrete class 20)	C.M	1.88		
	<u>Reinforcement, as described (PROVISIONAL)</u>				
	<u>High yield square twisted reinforcement to BS 4461</u>				
D	10mm high tensile square twisted bars; cold worked; BS4461 including bends, hooks, tying wire, distance blocks and spacers for bottom slab; Y10@ 200mm c/c .	KG	130.00		
E	Supply and fix sawn formwork to sides of bottom slab	L.M	12.50		
	<u>200x400mm block walling bedded and jointed in cement and sand (1:4) mortar, reinforcement with and including 25mm wide x 20 gauge hoop iron at every alternate course as described in:</u>				
F	Sub-Structure walling	S.M	43.75		
	<u>Cement and sand (1:3) screeds, backings, beds etc</u>				
G	15mm thick two coat cement sand (1:3) plaster trowelled smooth and comprising 12mm backing and 3mm finishing coat for internal walls.	S.M	62.50		
	<u>Reinforced concrete class 25.</u>				
H	Supply all materials and cast a 125mm thick vibrated reinforced concrete slab, mix1:2:4 or class 20/20. Top slab dimensions 2.5m x 5.0m	C.M	1.60		
	<u>Reinforcement, as described (PROVISIONAL)</u>				
	<u>High yield square twisted reinforcement to BS 4461</u>				
I	10mm high tensile square twisted bars; cold worked; BS4461 including bends, hooks, tying wire, distance blocks and spacers for top slab; Y10@ 200mm c/c .	KG	130.00		
J	Supply and fix sawn formwork to sides of bottom slab	L.M	12.50		
K	Supply and fix sawn formwork beneath the slab	S.M	12.50		
L	Manhole walling; 800mm wide x 800mm long x 450mm depth	S.M	3.00		
M	Manhole frame and covers	Pcs.	4.00		

N	Tank piping, fittings and accessories which includes among others ring bearers anchored in the wall and a 2.5 m heigh 4" vent pipe with rain cower and fly net	Item	1.00	
P	4" brown sewer pipes with accessories laid with 1% slope in trench of 0.5 to 0.8 m depth <u>Reinforced concrete class 25.</u>	L.M	12.00	
Q	Supply all materials and cast R.C. buffer beam, 100mm wide x 450mm deep, concrete class 20	C.M	0.30	
R	12mm high tensile square twisted bars; cold worked; BS4461 including bends, hooks, tying wire, distance blocks and spacers for ring beam reinforcement, 4Y12	KG	22.00	
S	Curing of all concrete and masonry works. Where applicable, sand may be used for covering the concrete or masonry works to be cured and removed afterwards. Sub-Total carried to collection	Item	1.00	
	<u>ELEMENT 2 : SOAK PIT</u>			
T	Excavate 1.5m diameter x 3.5m depth pit	C.M	5.50	
U	Backfill with well packed approved hardcore to 2m depth	C.M	3.50	
V	Plastic sheeting	S.M	2.00	
W	200mm thick normal soil backfill	C.M	0.40	
	Sub-Total carried to collection			
	<u>COLLECTION</u>			
<u>ELEMENT</u>	<u>TITLE</u>			<u>AMOUNT\$US</u>
1	SEPTIC TANK			
2	SOAK PIT			
	<u>TOTAL FOR SECTION 7 : SEPTIC TANK AND SOAK PIT</u>			
	<u>CARRIED TO GRAND SUMMARY</u>			

ITEM NO.	DESCRIPTION	PAGE	AMOUNT (US\$)
	GRANT NO. BAI086 <u>PROPOSED BUURHAKABA SCHOOL REHABILITATION</u> <u>BUURHAKABA - SOUTH WEST STATE</u>		
	<u>GRAND SUMMARY</u>		
1	SECTION 1: PRELIMINARIES AND GENERAL DESCRIPTIONS		
2	SECTION 2: TWO OFFICES CONSTRUCTION		
3	SECTION 3: 1 BLOCK OF LATRINES (4 TOILETS)		
4	SECTION 4: EXISTING TOILET REHAB (2)		
5	SECTION 5: CLASSROOMS AND MEETING HALL REHAB		
6	SECTION 6: BOUNDARY WALL (80X60)M		
7	SECTION 7: SEPTIC TANK AND SOAKPIT		
	TOTAL AMOUNT CARRIED TO FORM OF TENDER	US\$	
<p>SIGNED:</p> <p>(CONTRACTOR)</p> <p>Address:</p> <p>Tel No:</p> <p>Date:</p> <p>SIGNED:</p> <p>(EMPLOYER)</p> <p>Address:</p> <p>Tel No:</p> <p>Date:</p>			