

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	GRANT NO. LOWER SHABELLE ADMINISTRATION OFFICES	AMOUNT USD
A	<p>SECTION NO. 1</p> <p>PRELIMINARIES</p> <p>PRELIMINARY PARTICULARS</p> <p>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 AFGOOYE DISTRICT</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	GRANT NO. LOWER SHABELLE ADMINISTRATION OFFICES	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 style="text-align: right;">Carried To Collection</p> <p style="text-align: right;">US\$</p>	

ITEM	GRANT NO. LOWER SHABELLE ADMINISTRATION OFFICES	AMOUNT USD
A	<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>	
B	<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>	
C	<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>	
D	<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>	
E	<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>	
F	<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</p>	
	<p style="text-align: right;">US\$</p>	

ITEM	GRANT NO. LOWER SHABELLE ADMINISTRATION OFFICES	AMOUNT USD
A <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>	CONTRACTORS' SUPERINTENDENCE <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>	
B 	WATER <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>	
C 	LIGHTING AND POWER <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>	
D 	SAFETY <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 style="text-align: right;">Carried To Collection US\$</p>	

ITEM	GRANT NO. LOWER SHABELLE ADMINISTRATION OFFICES	AMOUNT USD
A PROTECTIVE CLOTHING <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>	B GENERALLY <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>	
C REJECTED WORKMANSHIP OR MATERIALS <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>		
D PROPRIETARY MATERIALS <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>		
E SAMPLES <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 US\$</p>	

ITEM	GRANT NO. LOWER SHABELLE ADMINISTRATION OFFICES	AMOUNT USD
A	<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 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 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>	
D	<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 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	GRANT NO. LOWER SHABELLE ADMINISTRATION OFFICES	AMOUNT USD
A EXISTING AND ADJACENT PROPERTY <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>	B WATCHING AND LIGHTING <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>	
C SIGNBOARD <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 style="text-align: right;">Carried To Collection</p> <p style="text-align: right;">US\$</p>	

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ITEM	GRANT NO. LOWER SHABELLE ADMINISTRATION OFFICES	AMOUNT USD
	<p style="text-align: center;"><u>Collection</u></p> <p>Brought forward from Page 1/3</p> <p>Brought forward from Page 1/4</p> <p>Brought forward from Page 1/5</p> <p>Brought forward from Page 1/6</p> <p>Brought forward from Page 1/7</p> <p>Brought forward from Page 1/8</p> <p>Brought forward from Page 1/9</p> <p>Brought forward from Page 1/10</p>	
	<p><u>TOTAL FOR SECTION 1: PRELIMINARIES AND GENERAL DESCRIPTIONS CARRIED TO GRAND SUMMARY</u></p> <p style="text-align: right;">US\$</p>	

ITEM	DESCRIPTION	QUANTITY	UNIT	RATE (USD\$)	AMOUNT (USD\$)
	GRANT NO. BAI066 PROPOSED ADMINISTRATION OFFICES REHABILITATION AFGOYE, LOWER SHABELLE, SOMALIA SECTION 2. EXISTING OFFICES (4No. and 1 Meeting hall) ELEMENT NO 1. OFFICES DEMOLITIONS AND ALTERATIONS (All Provisional) <u>The items of demolitions and removal shall include shoring making good disturbed areas to match existing and loading and carting away debris unless otherwise specified</u>				
A	Carefully remove the existing floor finishes on and including bushes, cement/sand render and prepare the floor to receive ceramic tiles and cart away debris	144.00	SM		
B	Rub down and hack existing coat of paint clean surface of walls internally and externally preparing surfaces to receive new point plastering and painting	336.00	SM		
C	Provision for Removal of loose stone wallings to and beddings to receive new ones	84.00	SM		
D	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	60.00	sm		
TOTAL FOR DEMOLITIONS & ALTERATIONS CARRIED TO COLLECTION PAGE					
	NEW WORKS ELEMENT NO 2 Wallinq				
A	Provide for Construction new imported masonry stone walls of 400mm thick maximum 25% of of total walling. Beded and jointed with cement sand mortar 1:3	33.60	cm		
B	Insert 1:2:4 RCC 200mm thick, 400mm wide 2000mm long above windows and doors as isolated lintel beams. (all inclusive including reinforcements, shattering, and concrete)	2.08	cm		
C	Insert bar #8 reinforcement to wall cracked lines and injecting with pressurized grouting cement mix 1:0.5	25.00	lm		
	R.C.C concrete class 20 mix (1:2:4)				
G	200mm thick R.C.C Floor bed slab; Reinforcements to be A142 BRC mesh 2.2kg per square meter and 100mm overlaps	144.00	sm		

TOTAL FOR WALLING CARRIED TO COLLECTION PAGE					
ITEM	DESCRIPTION	QUATITY	UNIT	RATE (USD\$)	AMOUNT (USD\$)
	ELEMENT NO.3				
	DOORS AND WINDOWS				
	WINDOWS				
	<u>Extruded anodised aluminium sliding frame 80x50mm mosquito netting and fabricated steel burglar proof grill with 6mm Thick semi-transparent sheet glass binding to steel casement windows with and including linseed putty: in panes (all inclusive)</u>				
A	1200 x 1500mm High	7.00	no.		
B	800 x 800mm High	1.00	no.		
	DOORS				
	<u>Imported 45mm Thick flash door: Wooden panel door in approved design: hardwood lipped edges</u>				
C	900 x 2400mm high door	4.00	no.		
D	1200 x 2400mm high door	1.00	no.		
	Wrot cypress: prime grade; stained				
E	200 x 50mm Door frame: rebated	17.28	sm		
F	50 x 25mm Architrave	40.00	sm		
G	25mm Quadrant	40.00	sm		
	<u>Prepare surfaces and apply one coat (undercoat) and two coats polyurethane clear lacquer paint : on wood surfaces: to</u>				
H	Door: general surfaces	13.68	sm		
	<u>Supply and Fix English "Union" or other equal approved ironmongery: matching screws: locks to include a set of 3 keys: to architect's detail</u>				
I	Steel butt Hinges: 100x75x2mm	12.00	no.		
J	3-lever Brass Mortise Door lock with brass door handle	5.00	no.		
SUBTOTAL FOR DOORS AND WINDOWS CARRIED TO COLLECTION PAGE					
	ELEMENT NO.4				
	FINISHES				
	Floor Finishes				
A	32mm thick screed finished to receive ceramic tiles floor finish	144.00	sm		
	<u>300x 300 x 8mm non-slip ceramic floor tiles as approved, jointed & bedded with c/s mortar</u>				
B	Floors	144.00	sm		
C	100 x 8mm skirting; jointed and bedded with c/s mortar 1:3 grouting joints in matching cements	106.00	lm		
	Wall Finishes				
E	Plaster: 9mm first coat of cement/lime/sand (1:2:9): 3mm second coat of cement/lime/sand (1:1:6): steel trowelled: on masonry or concrete: to internal and external walls	672.00	sqm		
F	Prepare & apply three coats of silk vinyl emulsion paint on plastered hollow block concrete surfaces: to external walls	672.00	sqm		

Insitu Finishings					
G	14mm thick 2 No. coatwork cement sand (1:3) render; wood floated to concrete or blockwork base to walls; external Painting and Decorations Prepare and apply three coats bituminous paint to:	57.60	sm		
H	Wood floated rendered plinths over 300mm girth	57.60	sm		
TOTAL FOR FINISHES CARRIED TO COLLECTION PAGE					
ITEM	DESCRIPTION	QUANTITY	UNIT	RATE (USD\$)	AMOUNT (USD\$)
	ELEMENT NO. 5				
	ROOFING CONSTRUCTION.				
	28 gauge GI five box profile roof; prepainted				
A	Roof covering; 150mm laps on one end and one and a half corrugation side lap; and nailing to 75 x 50mm celcured sawn cypress purlins (m/s) to receive interlocking tiles (m/s)	172.80	sm		
	Accessories, fixing as necessary to roof sheets				
B	150mm dia. Half round ridge cap	20.00	lm		
C	Ditto; hip cap	16.00	lm		
	CARPENTRY				
	The following in sawn celcured cypress				
D	100 x 50mm wall plate rag-bolted at 1200mm centres with 12mm diameter bolts (m/s)	57.60	lm		
E	200 x 50mm fascia board	57.60	lm		
	<u>The following in sawn celcured cypress timber trusses, bolted connections, hoisting approximately 5.5M above the floor slab.</u>				
F	150 x 50mm rafter	106.00	lm		
G	Ditto Hip rafter	74.00	lm		
H	Ditto Kingpost	28.00	lm		
I	Ditto tie beam	126.00	lm		
J	100 x 50mm sawn cypress struts and ties	112.00	lm		
K	75 x 50mm sawn cypress under purlins nailed to truss. Labour and material (Provisional)	380.00	lm		
K	12mm diameter rag bolt, 200mm long complete with and including head, nut and two washers; cast into and including mortice in stone or concrete and run with cement and sand (1:3) mortar	48.00	No		
L	Drill 10mm deep the wall to receive 12mm dia. Bolt (m/s)	48.00	No.		
	RAINWATER DISPOSAL				
	26g Galvanised mild steel sheeting				
M	Valley gutter overall 600mm girth bent four times to form 50 x 50mm trough nailed to and including 150 x 50mm sawn celcured cypress trimming ppiece both sides underneath and neatly dressing under roofing tiles	57.60	lm		
N	Extra; for 90° corners.	4.00	No		
O	Extra; 100mm dia.outlet 100mm long	4.00	No		
P	100mm dia. Pvc rainwater downpipe fixed with and including mild steel straps at 900mm centres. plugged and screwed to wall	18.00	lm		
Q	Extra; swanneck bend with 1135mm projection	4.00	No		
R	Extra; horse shoe bend	4.00	No		
TOTAL TO BE CARRIED FORWARD					

ITEM	DESCRIPTION	QUANTITY	UNIT	RATE (USD\$)	AMOUNT (USD\$)
TOTAL BROUGHT FORWARD					
	<u>CEILING FINISHES</u>				
	<u>Approved sawn softwood; second grade; pressure impregnated.</u>				
A	50 x 50mm branderling	180.00	lm		
B	50 x 50mm ditto; plugged	200.00	lm		
	<u>PLAIN SHEET FINISHINGS</u>				
	<u>Chip board</u>				
C	10mm thick chipboard ceiling nailed to timber branderling (m/s); nails punched and puttied	144.00	sm		
	<u>Painting and Decorations</u>				
D	Construct and Paint Moulded cornice not exceeding 100mm girth	60.00	lm		
TOTAL FOR ROOFING CARRIED TO COLLECTION PAGE					
	<u>ELEMENT NO. 6</u>				
	<u>ELECTRICAL INSTALLATIONS</u>				
	<u>Cut away for and make good after Electrician installing a concealed conduit system to the following points including cutting or leaving all holes, mortices, sinkings in the structure and its finishes and for all making good therewith:-</u>				
A	Lighting point with associated switch point	9.00	No		
B	Ceiling Mounted Fixture	9.00	No.		
C	Double socket outlet point.	8.00	No.		
D	Flourescent Tube Light Fixture	9.00	No.		
E	Consumer unit	1.00	No.		
F	Meter board	1.00	No.		
G	Installation of conduits and wiring inside walls as per the standard	1.00	Lsum		
	Wall mounted unit of cooling capacity: 12.3kW with inbuilt drain pump, power input: 0.15kW, single phase, Refrigerant R-410A complete with all hanging accessories, remote control, filter chamber, drain pump kit, suction canvas, ceiling panel, wiring from DP switch to fan coil unit, fabricated steel mounting brackets, steel frames and raw bolts, anti-vibration mountings. DP switch to be positioned next to the in door unit. The indoor unit shall be to Daikin/Toshiba/LG make or approved equivalent.	4.00	No.		
I	3 speed box fan with 20 inch blades	4.00	No.		

[illegible]

ITEM	DESCRIPTION	UNIT	QNTY	RATE US\$	AMT US\$
GRANT NO. BAI066 PROPOSED ADMINISTRATION OFFICES REHABILITATION AFGOYE, LOWER SHABELLE, SOMALIA					
SECTION 3: GUARD HOUSE & TOILETS (1 Room and 2 Toilets)					
ELEMENT NO. 1 : SITE PREPARATION					
A	Clear site of all bushes and debris. Grab up roots and burn the arisings	SM	30.0		
B	Load, wheel and cart deposit and spread surplus excavated material where directed on site at a distance not exceeding 100 meters	Item	1.0		
	Total carried to summary	\$			
AFGOYE, LOWER SHABELLE, SOMALIA PROPOSED ADMINISTRATION OFFICES REHABILITATION AFGOYE, LOWER SHABELLE, SOMALIA SECTION 3: GUARD HOUSE & TOILETS (1 Room and 2 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	SM	30.0		
B	Excavate trench for foundation not exceeding 1.50 meters deep, starting from stripped levels	CM	24.3		
<u>Planking and strutting</u>					
C	Allow for keeping foundations free from water, mud, fallen materials, etc.	LS	1.0		
<u>Disposal</u>					
D	Return, fill and ram selected excavated material around foundations	CM	14.0		
E	Load, wheel and cart deposit and spread surplus excavated material where directed on site at a distance not exceeding 100 meters	CM	10.3		
<u>Hardcore or other approved filling, as described</u>					
F	300mm thick well compacted hardcore filling blinded with 25mm thick quarry dust layer to receive surface bed	SM	9.0		
G	50mm thick Quarry dust blinding to surfaces of hardcore :rolled smooth to receive polythene sheeting (m.s)	SM	9.0		
<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	SM	28.0		
<u>Damp-proof membrane</u>					
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)	SM	28.0		
	Total carried to summary	\$			

AFGOYE, LOWER SHABELLE, SOMALIA
0

SECTION 3: GUARD HOUSE & TOILETS (1 Room and 2 Toilets)

ELEMENT NO. 3 : CONCRETE WORKS

Plain concrete class 15 in:

A	50mm blinding under strip footing	SM	16.2
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Reinforced concrete class (20) as described, in:-

B	Ground beam	CM	4.9
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C	Ring beam	CM	4.9
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D	200mm thick surface bed laid in bays including all necessary formwork	CM	6.0
---	---	----	-----

Reinforcement, as described:-[PROVISIONAL]

High yield square twisted reinforcement bars to B.S 4461

GROUND BEAM

E	Y12 (Nominal Diameter 12mm) bars as main bars, Cross-Sectional Area (113mm ²), Mass per unit length (0.888kg/m)	Kq	95.9
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F	R8 (Nominal Diameter 8mm) bars as rings, Cross-Sectional Area (50.3mm ²), Mass per unit length (0.395kg/m)	Kq	46.6
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RING BEAM

G	Ditto for Y12 as main bars	Kq	95.9
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H	Ditto for R8 as rings	Kq	46.6
---	-----------------------	----	------

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)

I	Fabric ref. A142 weighing 2.22kg/ sq.metre, in surface bed	SM	28.0
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Sawn formwork as described to:-

J	To edge of steps and slabs over 75mm but n.e 150mm high	SM	9.6
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	Total carried to summary		\$		
	<u>AFGOYE, LOWER SHABELLE, SOMALIA</u>				
	<u>SECTION 3: GUARD HOUSE & TOILETS (1 Room and 2 Toilets)</u>				
	<u>ELEMENT NO. 4 : WALLING</u>				
	<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	CM	16.2		
	<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	SM	72.9		
	<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	27.0		
	Total carried to summary		\$		

	<p><u>AFGOYE, LOWER SHABELLE, SOMALIA</u></p> <p><u>0</u></p> <p><u>SECTION 3: GUARD HOUSE & TOILETS (1 Room and 2 Toilets)</u></p> <p><u>ELEMENT NO. 5 : ROOF CONSTRUCTION AND FINISHES</u></p> <p> </p> <p><u>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</u></p> <p><u>In sawn treated cypress Grade 2</u></p>				
A	100x50mm rafters				
B	100x50mm struts, ties				
C	100x50mm tie beam				
D	75x50mm purlins				
E	100x50mm wall plate fixed with and including 200mm long 12mm diameter rag bolts cast into beam at 1500mm centres				
	<u>IT4 Box profile sheeting</u>				
F	G I 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	40.0		
	<u>Ceiling finishes</u>				
G	10mm thick chipboard ceiling fixed to and including 50 x 50mm treated softwood battens at 600mm centres both ways	SM	28.0		
	<u>Rain water goods</u>				
H	Heavy duty PVC rainwater gutters fixed to timber fascia (m.s) with bracket supports at 600mm centres	LM	22.0		
I	Heavy duty PVC rainwater downpipes size 75 dia. Fixed to walls with and including holder bats at 1200mm centres	No.	2.0		
	<u>Extra - over for</u>				
J	100 mm Diameter Fulbora outlets	NO	2.0		
K	Swan-neck, 600mm long	NO	2.0		
L	Bends	NO	2.0		
M	Rainwater anti-splash shoe	NO	2.0		
	Total carried to summary	\$			

	AFGOYE, LOWER SHABELLE, SOMALIA				
	0				
	SECTION 3: GUARD HOUSE & TOILETS (1 Room and 2 Toilets)				
	ELEMENT NO. 6 : FINISHES				
	<u>Floor Finishes</u>				
	<u>Cement and sand (1:3) screeds, backings, beds etc</u>				
A	25mm Thick cement/sand (1:4) screed to receive Ceramic floor tiles (measured separately)	SM	28.0		
	<u>Rustic 300x300mm 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</u>				
B	Floor tiles	SM	20.0		
C	Ditto: but for wet area NON-SLIP floor tiles	SM	6.0		
D	Skirtings; 100mm wide with rounded junction with wall finish and coved junction with floor finish	SM	2.0		
E	Ditto: For wet area	SM	1.0		
F	Ditto for edge of steps and slab	SM	9.6		
	<u>Wall Finish</u>				
	<u>15 mm cement and sand (1:3) render, finished with woodfloat to:-</u>				
G	Concrete or masonry surfaces internally and externally Painting	SM	72.9		
	<u>Fill uneven surfaces with stucco filler to approval and apply two coats soft white external textured paint to:-</u>				
H	Plastered and rendered surfaces	SM	72.9		
	<u>Prepare surfaces and apply three coats gloss oil paint as 'Crown' or equal and approved manufacturer(s) on concrete and masonry surfaces: measured overall on both sides</u>				
I	Plastered surfaces internally and externally	SM	72.9		
	<u>Prepare surfaces and apply three coats water emulsion paint as 'Crown' or equal and approved manufacturer(s) on ceiling surfaces: measured overall on both sides</u>				
J	Soffits of chipboard ceiling	SM	28.0		
	Total carried to summary	\$			

AFGOYE, LOWER SHABELLE, SOMALIA
0.00

SECTION 3: GUARD HOUSE & TOILETS (1 Room and 2 Toilets)

ELEMENT NO. 7 : ELECTRICAL INSTALLATIONS AND SERVICES

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	1200mm flourescent tube lighting	No.	1.0
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Switches

B	5 Amps one gang TWO way switch	No	1.0
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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

C	13 A twin sockets outlet	No	2.0
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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.

D	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	20.0
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E	Supply and install two compartment floor recessed metallic electrical floor box with flap cover complete with lifting handle, cable flaps, and to be complete with 2no. Twin socket outlet plates and 2no. Dual data outlet plates and as Crabtree Britmac or equal and approved	M	20.0
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HVAC

Supply, fix and commission air conditioning units of Sumsung, Daikin, LG or equivalent and approved split air conditioning units. including all accessories

F	Unit of 6000 BTUs per hour, with EER 2-3, Cooling capacity 2,700-3000W low noise level and UTR Compressor, minimum warranty 5 years plus as described and shown on drawings. Include required accessories and fittings, mounting should be at least 600mm off the ground.	No	1.0
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Supply and install following overhead electrical fans with all accessories prices must include all materials, installation, testing and commisioning

G	3 speed box fan with 20 inch blades	Nr.	1.0
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	Total carried to summary	\$		
	<u>AFGOYE, LOWER SHABELLE, SOMALIA</u>			
	<u>0.00</u>			
	<u>ELEMENT NO. 1 : SITE PREPARATION</u>			
	<u>ELEMENT NO. 8 : PLUMBING INSTALLATIONS</u>			
	<u>PIPING</u>			
	Supply, deliver and install pipes, tubing and fittings as described and <u>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.</u>			
A	Supply and install heavy duty PPR pipes including all connections	LS	1.00	
	<u>SANITARY INSTALLATIONS</u>			
	<u>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.</u>			
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.	1.00	
C	Water closet (W.C.) suite in white vitreous china comprising: Glazed W.C. pan with heavy duty unbreakable plastic seat and cover, close couple cistern and fittings, 6.0 litres, including chrome lever and cover clip and WC outlet connector. The cistern to have internal overflow. Water closet pan to be as 'Twyford classic' or equal and approved	No.	2.00	
D	Recessed toilet roll holder in white vitreous china size 150x150 mm. To be as 'Twyford' or equal and approved	No.	2.00	
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.	1.00	
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.	1.00	
G	PVC floor trap	No.	3.00	
H	PVC towel holder placed 1800mm above ground	No.	3.00	
I	Allow for all all connections, pressure testing at 4 bars for 24hours and commissioning of the sanitary fittings and accessories to the entire satisfaction of the Engineer.	LS	1.00	
	Total carried to summary	\$		

	<p><u>AFGOYE, LOWER SHABELLE, SOMALIA</u> <u>0.00</u></p> <p><u>AFGOYE, LOWER SHABELLE, SOMALIA</u> <u>0</u></p> <p><u>SECTION 3: GUARD HOUSE & TOILETS (1 Room and 2 Toilets)</u></p> <p><u>ELEMENT NO. 9 : OPENINGS</u></p> <p><u>WINDOWS</u></p> <p><u>Extruded anodised aluminium sliding frame 80x50mm mosquito netting and fabricated aluminium burglar proof grill with 6mm thick glass with blue anti-glare film.</u></p> <table><tr><td>A</td><td>1500mm x 1200mm</td><td>No.</td><td>2.0</td></tr><tr><td>B</td><td>Ditto: 800mm x 600mm</td><td>No.</td><td>2.0</td></tr></table> <p><u>DOORS</u></p> <p><u>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</u></p> <table><tr><td>A</td><td>50mm thick door overall size 900x2150mm high</td><td>No.</td><td>2.0</td></tr><tr><td></td><td>Supply delivery and fix the following ironmongery with matching screws</td><td></td><td></td></tr><tr><td>B</td><td>100mm butt hinges</td><td>No.</td><td>6.0</td></tr><tr><td>C</td><td>3 lever mortice lock as Union 2277complete with Union 2277 683 -06 -2 brass lever furniture</td><td>No.</td><td>2.0</td></tr><tr><td>D</td><td>Rubber door stop plugged to concrete floor</td><td>No</td><td>1.0</td></tr><tr><td>E</td><td>100mm thick permanet ventilation blocks over openings</td><td>LM</td><td>3.0</td></tr></table> <p>Total carried to summary</p> <p>\$</p>	A	1500mm x 1200mm	No.	2.0	B	Ditto: 800mm x 600mm	No.	2.0	A	50mm thick door overall size 900x2150mm high	No.	2.0		Supply delivery and fix the following ironmongery with matching screws			B	100mm butt hinges	No.	6.0	C	3 lever mortice lock as Union 2277complete with Union 2277 683 -06 -2 brass lever furniture	No.	2.0	D	Rubber door stop plugged to concrete floor	No	1.0	E	100mm thick permanet ventilation blocks over openings	LM	3.0					
A	1500mm x 1200mm	No.	2.0																																			
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E	100mm thick permanet ventilation blocks over openings	LM	3.0																																			
	<p><u>AFGOYE, LOWER SHABELLE, SOMALIA</u> <u>0.00</u></p> <p><u>SECTION 3: GUARD HOUSE & TOILETS (1 Room and 2 Toilets)</u></p> <p><u>MAIN SUMMARY</u></p> <table><tr><th><u>No.</u></th><th><u>ELEMENT</u></th><th><u>PAGE</u></th></tr><tr><td>1</td><td>ELEMENT NO. 1 : SITE PREPARATION</td><td>5/1</td></tr><tr><td>2</td><td>ELEMENT NO. 2 : SUBSTRUCTURES (PROVISIONAL)</td><td>5/2</td></tr><tr><td>3</td><td>ELEMENT NO. 3 : CONCRETE WORKS</td><td>5/3</td></tr><tr><td>4</td><td>ELEMENT NO. 4 : WALLING</td><td>5/4</td></tr><tr><td>5</td><td>ELEMENT NO. 5 : ROOF CONSTRUCTION AND FINISHES</td><td>5/5</td></tr><tr><td>6</td><td>ELEMENT NO. 6 : FINISHES</td><td>5/6</td></tr><tr><td>7</td><td>ELEMENT NO. 7 : ELECTRICAL INSTALLATIONS AND SERVICES</td><td>5/7</td></tr><tr><td>8</td><td>ELEMENT NO. 8 : PLUMBING INSTALLATIONS</td><td>5/8</td></tr><tr><td>9</td><td>ELEMENT NO. 9 : OPENINGS</td><td>5/9</td></tr><tr><td colspan="2">Grand Total</td><td></td></tr></table> <p><u>TOTAL FOR SECTION 5: CARRIED TO GRAND SUMMARY</u></p>	<u>No.</u>	<u>ELEMENT</u>	<u>PAGE</u>	1	ELEMENT NO. 1 : SITE PREPARATION	5/1	2	ELEMENT NO. 2 : SUBSTRUCTURES (PROVISIONAL)	5/2	3	ELEMENT NO. 3 : CONCRETE WORKS	5/3	4	ELEMENT NO. 4 : WALLING	5/4	5	ELEMENT NO. 5 : ROOF CONSTRUCTION AND FINISHES	5/5	6	ELEMENT NO. 6 : FINISHES	5/6	7	ELEMENT NO. 7 : ELECTRICAL INSTALLATIONS AND SERVICES	5/7	8	ELEMENT NO. 8 : PLUMBING INSTALLATIONS	5/8	9	ELEMENT NO. 9 : OPENINGS	5/9	Grand Total						
<u>No.</u>	<u>ELEMENT</u>	<u>PAGE</u>																																				
1	ELEMENT NO. 1 : SITE PREPARATION	5/1																																				
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9	ELEMENT NO. 9 : OPENINGS	5/9																																				
Grand Total																																						

ITEM	DESCRIPTION	UNIT	QNTY	RATE US\$	AMT US\$
	GRANT NO. BAI066 PROPOSED ADMINISTRATION OFFICES REHABILITATION AFGOYE, LOWER SHABELLE, SOMALIA SECTION 4: TOILETS (1 Block of four toilets) ELEMENT NO. 1 : SITE PREPARATION				
	A Clear site of all bushes and debris. Grab up roots and burn the arisings	m ²	11.48		
	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		
	Total carried to summary	\$			
	PROPOSED ADMINISTRATION OFFICES REHABILITATION AFGOYE, LOWER SHABELLE, SOMALIA SECTION 4: TOILETS (1 Block of four 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	11.48		
	B Excavate trench for foundation not exceeding 1.50 meters deep, starting from stripped levels	m ³	8.28		
	<u>Ditto</u> Column bases	m ³	2.56		
	<u>Planking and strutting</u>				
	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	10.07		
	E Load, wheel and cart deposit and spread surplus excavated material where directed on site at a distance not exceeding 100 meters	m ³	9.05		
	<u>Hardcore or other approved filling, as described</u>				
	F 300mm thick well compacted hardcore filling blinded with 25mm thick quarry dust layer to receive surface bed	m ²	4.59		
	G 50mm thick Quarry dust blinding to surfaces of hardcore :rolled smooth to receive polythen sheeting (m.s)	m ²	4.59		
	<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	4.59		
	<u>Damp-proof membrane</u>				
	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	4.59		
	Total carried to summary	\$			

PROPOSED ADMINISTRATION OFFICES REHABILITATION
AFGOYE, LOWER SHABELLE, SOMALIA

SECTION 4: TOILETS (1 Block of four toilets)

ELEMENT NO. 3 : CONCRETE WORKS

Plain concrete class 15 in:

A	50mm blinding	m ²	12.00
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In situ concrete class 25/20 , vibrated and reinforced as described, in:-

BEAMS

A	Ground beam	m ³	3.73
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B	Ring beam 1	m ³	3.73
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COLUMNS

A	Columns bases	m ³	1.54
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B	Starter columns	m ³	0.77
---	-----------------	----------------	------

C	Columns (Height 3m)	m ³	1.92
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SLABS

A	200mm thick surface bed laid in bays including all necessary formwork	m ³	2.30
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Ditto:

B	Suspended slab	m ³	2.30
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C	Steps	m ³	2.30
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Reinforcement, as described:-[PROVISIONAL]

High yield square twisted reinforcement bars to B.S 4461

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	73.53
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B	R8 (Nominal Diameter 8mm) bars as rings, Cross-Sectional Area (50.3mm ²), Mass per unit length (0.395kg/m)	Kg	35.76
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RING BEAM 1

C	Ditto for Y12 as main bars	Kg	110.29
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D	Ditto for R8 as rings	Kg	86.85
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COLUMNS

COLUMN BASES

E	Y12 (Nominal Diameter 12mm) bars as main bars, Cross-Sectional Area (113mm ²), Mass per unit length (0.888kg/m)	Kg	21.31
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STARTER COLUMNS

F	Y12 (Nominal Diameter 12mm) bars as main bars, Cross-Sectional Area (113mm ²), Mass per unit length (0.888kg/m)	Kg	21.31
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G	R8 (Nominal Diameter 8mm) bars as rings, Cross-Sectional Area (50.3mm ²), Mass per unit length (0.395kg/m)	Kg	16.78
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COLUMNS

3m HIGH COLUMNS

H	Y12 (Nominal Diameter 12mm) bars as main bars, Cross-Sectional Area (113mm ²), Mass per unit length (0.888kg/m)	Kg	63.94
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I	R8 (Nominal Diameter 8mm) bars as rings, Cross-Sectional Area (50.3mm ²), Mass per unit length (0.395kg/m)	Kg	50.35
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	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)				
J	Fabric ref. A142 weighing 2.22kg/ sq.metre, in surface bed	m²	4.59		
	<u>Sawn formwork as described to:-</u>				
K	To edge of floor slab	m²	3.68		
L	Ditto to sides and soffits of roof slab	m²	3.32		
M	Ditto to sides of steps	m²	0.56		
	Total carried to summary	\$			
	<u>PROPOSED ADMINISTRATION OFFICES REHABILITATION</u> <u>AFGOYE, LOWER SHABELLE, SOMALIA</u>				
	<u>SECTION 4: TOILETS (1 Block of four toilets)</u>				
	<u>ELEMENT NO. 4 : WALLING</u>				
	<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	m³	12.42		
	<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	m²	62.10		
	<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	20.70		
D	PCC coping above parapet wall	LM	13.80		
	Total carried to summary	\$			

<u>PROPOSED ADMINISTRATION OFFICES REHABILITATION</u> <u>AFGOYE, LOWER SHABELLE, SOMALIA</u>					
<u>SECTION 4: TOILETS (1 Block of four toilets)</u>					
<u>ELEMENT NO. 5 : ROOF FINISHES</u>					
ROOF STRUCTURE (CONCRETE FLAT ROOF AREA)					
Prepare and apply APP high performance waterproofing membrane obtained from an approved manufacturer and applied according to the manufacturer's instructions					
A	4mm APP membrane applied to roof slabs and gutters	m²	11.50		
B	Dress membrane round 100mm rainwater outlet (provisional)	No.	2.00		
<u>Lightweight water proofed screeds and plaster</u>					
C	30mm average plaster gutter walls	SM	0.83		
D	50mm average screed laid to falls and cross falls to gutter slabs	SM	0.17		
E	50x50mm triangular fillet	LM	13.80		
<u>Rain water goods</u>					
F	Allow for 100mm dia. Fulbora outlet including 300mm heavy duty PVC pipe as storm water drainage	No.	2.00		
G	Allow for GI stair fixed to wall to access roof	No.	1.00		
Total carried to summary		\$			

<u>PROPOSED ADMINISTRATION OFFICES REHABILITATION</u> <u>AFGOYE, LOWER SHABELLE, SOMALIA</u>					
<u>SECTION 4: TOILETS (1 Block of four toilets)</u>					
<u>ELEMENT NO. 6 : FINISHES</u>					
<u>Floor Finishes</u>					
<u>Cement and sand (1:3) screeds, backings, beds etc</u>					
A	25mm Thick cement/sand (1:4) screed to receive Ceramic floor tiles (measured separately)	m ²	2.30		
<u>Lightweight water proofed screeds and plaster</u>					
B	Roof top slab	m ²	2.30		
<u>Rustic 300x300mm 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</u>					
C	Floor tiles	m ²	2.30		
D	<u>Skirtings:</u> 100mm wide with rounded junction with wall finish and coved junction with floor finish	m ²	2.07		
E	Ditto for edge of steps and slab	m ²	0.56		
<u>Wall Finish</u>					
<u>15 mm cement and sand (1:3) render, finished with woodfloat to:-</u>					
F	Concrete or masonry surfaces internally and externally Painting	m ²	62.10		
<u>Fill uneven surfaces with stucco filler to approval and apply two coats soft white external textured paint to:-</u>					
G	Plastered and rendered surfaces	m ²	62.10		
<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>					
H	Plastered surfaces internally and externally	m ²	62.10		
I	Ditto to soffits of suspended slabs	m ²	3.32		
J	Vent grills	LS	1.00		
Total carried to summary		\$			

PROPOSED ADMINISTRATION OFFICES REHABILITATION
AFGOYE, LOWER SHABELLE, SOMALIA

SECTION 4: TOILETS (1 Block of four toilets)

ELEMENT NO. 7 : 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.	6.00
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B	Type W1 - 1x36w Surface mounted waterproof polycarbonate fluorescent light fitting	No.	1.00
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Switches

C	5 Amps two gang one way switch	No	2.00
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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	2.00
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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
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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
---	--	-----	------

Total carried to summary

\$

PROPOSED ADMINISTRATION OFFICES REHABILITATION
AFGOYE, LOWER SHABELLE, SOMALIA

SECTION 4: TOILETS (1 Block of four toilets)

ELEMENT NO. 8 : 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
	<u>SANITARY INSTALLATIONS</u>		
	<u>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.</u>		
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	Water closet (W.C.) suite in white vitreous china comprising: Glazed W.C. pan with heavy duty unbreakable plastic seat and cover, close couple cistern and fittings, 6.0 litres, including chrome lever and cover clip and WC outlet connector. The cistern to have internal overflow. Water closet pan to be as 'Twyford classic' or equal and approved	No.	2.00
D	Recessed toilet roll holder in white vitreous china size 150x150 mm. To be as 'Twyford' or equal and approved	No.	2.00
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	6mm 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 a 2500 ltr heavy duty PVC water tank including All necessary plumbing as PPR pipes and connectors	LS	1.00
H	Allow for all all connections, testing and commissioning of the sanitary fittings and accessories to the entire satisfaction of the Engineer.	LS	1.00

Total carried to summary

\$

PROPOSED ADMINISTRATION OFFICES REHABILITATION
AFGOYE, LOWER SHABELLE, SOMALIA

SECTION 4: TOILETS (1 Block of four toilets)

ELEMENT NO. 9 : 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.	2.00
B	Precast concrete window cill size 260 x 50mm Thick sunk - weathered and throated and bedded and jointed in cement sand mortar	No.	2.00

VENT BLOCKS

C	2000mm x 800mm	No.	1.00
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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 <u>Supply delivery and fix the following ironmongery with matching screws</u>	No.	2.00
B	100mm heavy duty butt hinges	No.	6.00
C	3 lever mortice lock as Union 2277 complete with Union 2277 683 -06 -2 brass lever furniture	No.	2.00
E	100mm thick permanent ventilation blocks over openings	LS	1.00

Total carried to summary

\$

PROPOSED ADMINISTRATION OFFICES REHABILITATION
AFGOYE, LOWER SHABELLE, SOMALIA

SECTION 4: TOILETS (1 Block of four toilets)

MAIN SUMMARY

No.	ELEMENT	PAGE	AMOUNT
1	ELEMENT NO. 1 : SITE PREPARATION	5/1	
2	ELEMENT NO. 2 : SUBSTRUCTURES (PROVISIONAL)	5/2	
3	ELEMENT NO. 3 : CONCRETE WORKS	5/3	
4	ELEMENT NO. 4 : WALLING	5/4	
5	ELEMENT NO. 5 : ROOF FINISHES	5/5	
6	ELEMENT NO. 6 : FINISHES	5/6	
7	ELEMENT NO. 7 : ELECTRICAL INSTALLATIONS	5/7	
8	ELEMENT NO. 8 : PLUMBING INSTALLATIONS	5/8	
9	ELEMENT NO. 9 : OPENINGS	5/9	

Grand Total**TOTAL CARRIED TO GRAND SUMMARY**

ITEM	DESCRIPTION	UNIT	QUANTITY	RATE (US\$)	AMOUNT (US\$)
	GRANT NO. BAI066 <u>PROPOSED ADMINISTRATION OFFICES REHABILITATION</u> <u>AFGOYE, LOWER SHABELLE, SOMALIA</u> <u>SECTION 5 : BOUNDARY WALL</u> <u>ELEMENT 1: SITE PREPARATION</u> <u>DEMOLITION WORKS</u>				
A	Demolish existing sections of the boundary as per Engineers instructions	Item	1.00		
B	Clear site of all bushes, grab up roots and burn their arisings	SM	84		
C	Load, wheel and cart deposit and spread surplus excavated material where directed on site at a distance not exceeding 100 meters	SM	84		
	Total carried to summary	USD			
	<u>PROPOSED ADMINISTRATION OFFICES REHABILITATION</u> <u>AFGOYE, LOWER SHABELLE, SOMALIA</u> <u>SECTION 5 : BOUNDARY WALL</u> <u>ELEMENT 2: EXCAVATIONS</u> <u>Excavations including maintaining and supporting sides</u> <u>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	126		
	<u>Disposal</u>				
B	Return, fill and ram selected excavated material around foundations.	CM	68		
C	Load, wheel and cart deposit and spread surplus excavated material where directed on site at a distance not exceeding 100 meters	CM	58		
	Total carried to summary	USD			

PROPOSED ADMINISTRATION OFFICES REHABILITATION
AFGOYE, LOWER SHABELLE, SOMALIA

SECTION 5 : BOUNDARY WALL

ELEMENT 3: CONCRETE WORKS

Plain concrete class 15 in:

D	50mm blinding under strip footing	SM	84
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Reinforced concrete class (20) as described, in:-

E	Ground beam	CM	17
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Reinforcement, as described:-[PROVISIONAL]

High yield square twisted reinforcement bars to B.S 4461

F	10mm bars	Kg	259
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G	8mm bars	Kg	155
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Total carried to summary

USD

PROPOSED ADMINISTRATION OFFICES REHABILITATION
AFGOYE, LOWER SHABELLE, SOMALIA

SECTION 5 : BOUNDARY WALL

ELEMENT 4: WALLING

RUBBLE STONE FOUNDATION

400mm thick natural stone rubble foundation bedded and jointed in cement and sand (1:4) mortar, compacted and laid in stages of 100mm

A	400mm thick substructure walling	CM	56
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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:

B	400mm thick double superstructure walling	SM	322
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C	Extra over walling for 600x600 piers	No.	10
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D	Allow weep holes using 75mm dia. x 300mm heavy duty PVC pipes placed 300mm above ground	No.	14
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ACCESSORIES/SUNDRY ITEMS FOR BLOCK WALLING

E	Damp proof courses on surfaces not exceeding 200 mm wide	LM	140
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F	PCC Coping above masonry walling	LM	140
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Total carried to summary

USD

<u>PROPOSED ADMINISTRATION OFFICES REHABILITATION</u> <u>AFGOYE, LOWER SHABELLE, SOMALIA</u>				
<u>SECTION 5 : BOUNDARY WALL</u>				
<u>ELEMENT 5: FINISHES</u>				
<u>PLASTERED/RENDERED/ROUGHCAST COATINGS</u>				
Cement-sand 1:3 to :-				
E	15 mm thick plaster wood floated hard both ways	SM	644	
<u>Painting</u>				
<u>Prepare and apply three coats first quality silk vinyl emulsion paint on:-</u>				
F	Plastered surfaces internally and externally	SM	644	
Total carried to summary		USD		
<u>PROPOSED ADMINISTRATION OFFICES REHABILITATION</u> <u>AFGOYE, LOWER SHABELLE, SOMALIA</u>				
<u>SECTION 5 : BOUNDARY WALL</u>				
<u>MAIN SUMMARY</u>				
<u>Ref.</u>	<u>Element</u>	<u>Page</u>	<u>Amount</u>	
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3	ELEMENT 3: CONCRETE WORKS	3/5		
4	ELEMENT 4: WALLING	4/5		
5	ELEMENT 5: FINISHES	5/5		
<u>TOTAL CARRIED TO GRAND SUMMARY</u>		US\$		

ITEM	DESCRIPTION	UNIT	QUANTITY	RATE (US\$)	AMOUNT (US\$)
A	<u>GRANT NO. BAI066</u> <u>PROPOSED ADMINISTRATION OFFICES REHABILITATION</u> <u>AFGOYE, LOWER SHABELLE, SOMALIA</u>				
	<u>SECTION 6 : GATE</u>				
	<u>ELEMENT 1: SITE CLEARANCE</u>				
	Clear site of existing debris and cart away from the site as directed but not less than 100m	SM	2.00		
	Total carried to summary	USD			
	<u>PROPOSED ADMINISTRATION OFFICES REHABILITATION</u> <u>AFGOYE, LOWER SHABELLE, SOMALIA</u>				
	<u>SECTION 6 : GATE</u>				
	<u>ELEMENT 2: EXCAVATION</u>				
	Excavate trench for foundation not exceeding 1.50 meters deep, starting from stripped levels	CM	3.00		
	Extra over in rock excavation	Item	1.00		
	<u>Disposal of excavated materials</u> Cart away surplus excavated material	CM	3.00		
	<u>Backfill</u> Return fill and compact selected excavated materials around foundations	CM	0.90		
	Total carried to summary	USD			
	<u>PROPOSED ADMINISTRATION OFFICES REHABILITATION</u> <u>AFGOYE, LOWER SHABELLE, SOMALIA</u>				
	<u>SECTION 6 : GATE</u>				
	<u>ELEMENT 3: REINFORCED CONCRETE FRAME</u>				

	<u>Plain concrete class 15 in:</u>				
A	100mm blinding	m ³	0.50		
	Ditto for column bases	m ³	0.20		
	<u>Insitu concrete class 25/20 , vibrated and reinforced with 60mm thick maximum aggregate size in as described, in:-</u>				
	<u>BEAMS</u>				
A	Ground beam	m ³	0.90		
	<u>COLUMNS</u>				
A	Columns bases	m ³	1.20		
B	Starter columns	m ³	0.32		
C	Columns (Height 2.7m)	m ³	0.86		
	<u>BEAMS</u>				
	GROUND BEAM				
A	Y12 (Nominal Diameter 12mm) bars as main bars, Cross-Sectional Area (113mm ²), Mass per unit length (0.888kg/m)	Kg	8.88		
B	R8 (Nominal Diameter 8mm) bars as rings, Cross-Sectional Area (50.3mm ²), Mass per unit length (0.395kg/m)	Kg	8.69		
	<u>COLUMNS</u>				
	COLUMN BASES				
E	Y16 (Nominal Diameter 16mm) bars as main bars, Cross-Sectional Area (201mm ²), Mass per unit length (1.579kg/m)	Kg	21.47		
	STARTER COLUMNS				
F	Y16 (Nominal Diameter 16mm) bars as main bars, Cross-Sectional Area (201mm ²), Mass per unit length (1.579kg/m)	Kg	18.95		
G	R8 (Nominal Diameter 8mm) bars as rings, Cross-Sectional Area (50.3mm ²), Mass per unit length (0.395kg/m)	Kg	8.39		
	<u>COLUMNS</u>				
	6m HIGH COLUMNS				
H	Y16 (Nominal Diameter 16mm) bars as main bars, Cross-Sectional Area (201mm ²), Mass per unit length (1.579kg/m)	Kg	56.84		
I	R8 (Nominal Diameter 8mm) bars as rings, Cross-Sectional Area (50.3mm ²), Mass per unit length (0.395kg/m)	Kg	22.66		
	<u>Sawn formwork as described to:-</u>				
	<u>Beams</u>				
	To sides of ground beam	m ²	4.50		

	Total carried to summary	USD				
	<u>PROPOSED ADMINISTRATION OFFICES REHABILITATION</u> <u>AFGOYE, LOWER SHABELLE, SOMALIA</u>					
	<u>SECTION 6 : GATE</u>					
	<u>ELEMENT 4: WALLING</u>					
	<u>SUBSTRUCTURE WALLING</u>					
	<u>Approved compacted rubble stone fill bedded and jointed in cement sand mortar (1:4)</u>					
A	400mm thick rubble stone foundation walling	m ³	2.4			
	Total carried to summary	USD				
	<u>PROPOSED ADMINISTRATION OFFICES REHABILITATION</u> <u>AFGOYE, LOWER SHABELLE, SOMALIA</u>					
	<u>SECTION 6 : GATE</u>					
	<u>ELEMENT 5: FINISHES</u>					
	<u>Wall finishes</u>					
	<u>Plaster: 12mm thick 2 No. coatwork, generally to: -</u> <u>9mm first coat of cement sand (1:6); 3mm</u> <u>second coat of cement and lime putty (1:10);</u> <u>steel trowelled to concrete or blockwork base</u>					
B	Columns	m ²	8.64			
	<u>Prepare and apply three coats of first</u> <u>quality silk vinyl paint to: -</u>					
C	Columns	m ²	8.64			
	Total carried to summary	USD				

G	<u>PROPOSED ADMINISTRATION OFFICES REHABILITATION</u> <u>AFGOYE, LOWER SHABELLE, SOMALIA</u>																																								
	<u>SECTION 6 : GATE</u>																																								
	<u>ELEMENT 6: GATES</u>																																								
	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 that 25mm dia with a slidding door. It should also have 2 locking mechanisms, top and bottom.	No.	1																																						
	Total carried to summary	USD																																							
	<u>PROPOSED ADMINISTRATION OFFICES REHABILITATION</u> <u>AFGOYE, LOWER SHABELLE, SOMALIA</u>																																								
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	<table><tr><td><u>Ref.</u></td><td><u>Element</u></td><td><u>Page</u></td><td><u>Amount</u></td></tr><tr><td>1</td><td>ELEMENT 1: SITE CLEARANCE</td><td>3/2</td><td></td></tr><tr><td>2</td><td>ELEMENT 2: EXCAVATION</td><td>3/3</td><td></td></tr><tr><td>3</td><td>ELEMENT 3: REINFORCED CONCRETE FRAME</td><td>3/4</td><td></td></tr><tr><td>4</td><td>ELEMENT 4: WALLING</td><td>3/5</td><td></td></tr><tr><td>5</td><td>ELEMENT 5: FINISHES</td><td>3/6</td><td></td></tr><tr><td>6</td><td>ELEMENT 6: GATES</td><td>3/7</td><td></td></tr><tr><td colspan="2">Total carried to summary</td><td>US\$</td><td></td></tr><tr><td colspan="2"><u>TOTAL GRAND SUMMARY</u></td><td>US\$</td><td></td></tr></table>	<u>Ref.</u>	<u>Element</u>	<u>Page</u>	<u>Amount</u>	1	ELEMENT 1: SITE CLEARANCE	3/2		2	ELEMENT 2: EXCAVATION	3/3		3	ELEMENT 3: REINFORCED CONCRETE FRAME	3/4		4	ELEMENT 4: WALLING	3/5		5	ELEMENT 5: FINISHES	3/6		6	ELEMENT 6: GATES	3/7		Total carried to summary		US\$		<u>TOTAL GRAND SUMMARY</u>		US\$					
<u>Ref.</u>	<u>Element</u>	<u>Page</u>	<u>Amount</u>																																						
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Total carried to summary		US\$																																							
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ITEM	DESCRIPTION	QUANTITY	UNIT	RATE	AMOUNT
	GRANT NO. BAI066 PROPOSED ADMINISTRATION OFFICES REHABILITATION AFGOYE, LOWER SHABELLE, SOMALIA SECTION 7 : SEPTIC TANK, SOAK PIT AND FOUL DRAINAGE				
1	ELEMENT 1 : SEPTIC TANK				
	<u>Excavations including maintaining and supporting sides and keeping free from water, mud and fallen material</u>				
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	L.M	12.00		
	<u>Reinforced concrete class 25.</u>				
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.	Item	1.00		
	<u>Step Irons</u>				
T	Standard Cast iron step iron fixed to concrete walls	No.	5.00		
	<u>Water bar</u>				
U	200 mm thick bulb type PVC or Rubber water bar from approved manufacturer	LM	10.00		
	<u>Sundries</u>				
V	Allow for making 100 mm diameter openings in 200 mm concrete wall.	No.	1.00		
W	Ditto for making 150 mm diameter openings in 200 mm concrete wall.	No.	2.00		
X	Ditto for making 100 mm diameter openings in 150 mm concrete block wall.	No.	2.00		

Total carried to summary

USD

PROPOSED ADMINISTRATION OFFICES REHABILITATION
AFGOYE, LOWER SHABELLE, SOMALIA

SECTION 7 : SEPTIC TANK, SOAK PIT AND FOUL DRAINAGE

ELEMENT 2 : SOAK PIT

SITE PREPARATION

Prepare site by stripping top 150 mm of soil to remove all debris including sand (if any) from site and carting away spoil

SM 3.00

EXCAVATION

Excavation including maintaining and supporting sides and keeping free from water, mud and fallen materials by bailing, pumping or otherwise

Pit excavation commencing at reduced levels depth not exceeding 1.50m deep

m³ 1.50

Ditto 1.50 - 3.00 metres deep

m³ 0.15

Remove surplus excavated material from site

m³ 2.00

Backfill around foundation

m³ 0.40

Rubble stone fill

m³ 2.00

CONCRETE WORKS

Vibrated reinforced concrete class 15 (1:3:6) with 20mm maximum aggregate as described in:

300mm thick cover slab

m³ 1.00

REINFORCEMENT

Mesh fabric reinforcement ref. No. A142 laid in slab with minimum 150 mm side allowance

m² 3.00

FORMWORK

Sawn formwork to edges of slab over 225mm girth but not exceeding 300mm

m 6.40

Ditto to soffits of cover slab

m² 3.00

Total carried to summary

\$

PROPOSED ADMINISTRATION OFFICES REHABILITATION
AFGOYE, LOWER SHABELLE, SOMALIA

SECTION 7 : SEPTIC TANK, SOAK PIT AND FOUL DRAINAGE

ELEMENT 3 : FOUL WATER DRAINAGE

Supply and fix uPVC soil system to BS 4660 and BS 4515 and MuPVC waste system to BS 5255 with screwed and socketed joints to BS 21. Solvent welded joints shall be as per the system manufacturers written instructions. Tenderers must allow in their pipework prices for all the couplings, connectors, joints etc. as required in the running lengths of pipework and also where necessary for pipe fixing clips, holder bats, plugs and screwed. The installation must comply with BS 5572 and fixing to be to the manufacturer's printed instructions.

Note: Trade Names

Caradon Terrain Ltd.'s pipe and fittings have been used as a guide to the type and quality of materials required. Other brands must be equal and approved in writing by the Engineer before installation. One brand only shall be used and inconsistency shall not be accepted.

Excavation and Earthwork

Excavation of drain trenches including maintaining sides and keeping bottoms free from water, mud and fallen materials, grading bottoms, and carting away surplus excavated material.

A	For 150 mm uPVC drain pipe average depth 750 mm	m ³	15.00
B	<u>uPVC drain pipes and fittings to BS 5481</u> 150 mm Pipes with lip seal joints laid in trench	m	15.00
C	<u>Imported Filling</u> Selected granular fill materials in trenches	m ³	4.50
D	Compacted backfill	m ³	0.45
	<u>Inspection Chambers (4No.)</u>		
A	<u>Excavations</u> Excavate in soft material for inspection chambers including loading and carting away surplus excavated materials not exceeding 1.0 metres deep from ground level.	m ³	1.15
B	<u>Concrete</u> 50mm thick plain concrete class 15 (1:3:6) blinding	m ³	0.02
C	100 mm thick plain concrete class 20 (1:2:4) base	m ³	0.14
D	Profiled channel finished in water proof cement sloped to fall to the direction of effluent flow	m ²	16.00
E	<u>Formwork</u> Formwork to sides of concrete base,	m ²	1.92
	<u>Construct solid concrete block walling; bedding, jointing and pointing in cement sand (1:3) mortar</u>		
F	150 mm Thick walling	m ²	5.76
	<u>Covers</u>		
G	500 x 500mm medium duty pre-manufactured cast iron cover including frames	nr	4.00
H	Allow for all necessary connections of the inspection chambers to the septic tanks	Item	1.00
I	Allow for setting to work, testing and commissioning of the drainage system.	Item	1.00

TOTAL CARRIED TO SUMMARY					
<u>PROPOSED ADMINISTRATION OFFICES REHABILITATION</u> <u>AFGOYE, LOWER SHABELLE, SOMALIA</u>					
<u>SECTION 7 : SEPTIC TANK, SOAK PIT AND FOUL DRAINAGE</u>					
<u>Ref.</u>	<u>COLLECTION</u> <u>TITLE</u>				<u>AMOUNT</u>
1	ELEMENT 1 : SEPTIC TANK				
2	ELEMENT 2 : SOAK PIT				
3	ELEMENT 3 : FOUL WATER DRAINAGE				
Total		US\$			
Total 2 No. septic tanks and soak away pits		US\$			
<u>Total carried to summary</u>		US\$			

ITEM NO.	DESCRIPTION	UNIT	QTY	RATE (US\$)	AMOUNT (US\$)
	GRANT NO. BAI066 PROPOSED ADMINISTRATION OFFICES REHABILITATION AFGOYE, LOWER SHABELLE, SOMALIA SECTION 8: COMPOUND LIGHTING ELEMENT No. 1: SOLAR SPOT LIGHT <u>Lighting Fittings</u> <u>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.</u>				
A	Wall mounted, 50 watt Solar spot light	Items	16.00		
	Sub-Total carried to summary	US\$			
	ELEMENT No. 2: ACCESSORIES				
A	Grounding Cable 1x2.5 sqmm	Roll	3.00		
B	Tube chanel 50mmX50mm	PC(S)	10.00		
C	Concrete Nails	KG	5.00		
D	1 gang 1 way switches	PC(S)	10.00		
E	Supply of miscellanous accessories; connectors insulating tape rubber gromets, cable ties,wood screws wall anchors,raul bolts,sandle clips,labels	LS	1.00		
	Add				
A	Transportation	LS	1.00		
B	Electrical Installation Work	Work	1.00		
	Sub-Total carried to summary	US\$			

<u>REF.</u>	<u>ELEMENT</u>				<u>AMOUNT</u>
1	ELEMENT No. 1: SOLAR SPOT LIGHT				
2	ELEMENT No. 2: ACCESSORIES				
	Total		US\$		
	TOTAL FOR SECTION 4: COMPOUND LIGHTING CARRIED TO GRAND SUMMARY		US\$		

ITEM NO.	DESCRIPTION	UNIT	QTY	RATE (US\$)	AMOUNT (US\$)
	GRANT NO. BAI066 PROPOSED ADMINISTRATION OFFICES REHABILITATION AFGOYE, LOWER SHABELLE, SOMALIA				
	SECTION 9: SOLAR INSTALLATION				
	ELEMENT No. 1: SOLAR COMPONENTS				
	<u>SOLAR PANELS</u>				
	<u>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.</u>				
A	Solar Panels 265 Watts, Polycrystalline, 25 YR TUV IEEC Approved	Pc(s)	8.00		
	<u>BATTERIES</u>				
B	200 Ah Gel Battery MF sealed	Pc(s)	8.00		
	<u>INVERTOR</u>				
C	Inverter from Opti Solar 24/3000w	Pc(s)	1.00		
	<u>CONTROLLER</u>				
D	Morning Star Charge Controller 60 W	Pc(s)	1.00		
	Sub-Total carried to summary	US\$			
	ELEMENT No. 2: ACCESSORIES				
A	Flex cables 6 mm square	Roll(s)	14.00		
B	Flex cables 70 mm square	mtr(s)	8.00		
C	Mounting Structure	PC(S)	16.00		
D	Supply of miscellaneous accessories; connectors insulating tape rubber gromets, cable ties,wood screws wall anchors,raul bolts,sandle clips,labels	LS	1.00		
	Sub-Total carried to summary	US\$			

	<u>ELEMENT No. 3: INSTALLATION</u>			
A	Allow lumpsum for Design, Installation, Commissioning and Training	Work	1.00	
	Sub-Total carried to summary	US\$		
	<u>GRANT NO. BAI066</u>			
	<u>PROPOSED ADMINISTRATION OFFICES REHABILITATION</u>			
	<u>AFGOYE, LOWER SHABELLE, SOMALIA</u>			
	<u>SECTION 9: SOLAR INSTALLATION</u>			
	<u>MAIN SUMMARY</u>			
<u>REF.</u>	<u>ELEMENT</u>			<u>AMOUNT</u>
1	ELEMENT No. 1: SOLAR COMPONENTS			
2	ELEMENT No. 2: ACCESSORIES			
3	ELEMENT No. 3: INSTALLATION			
	Total	US\$		
	<u>TOTAL FOR SECTION 4: COMPOUND LIGHTING CARRIED TO</u>	US\$		
	<u>GRAND SUMMARY</u>			

ITEM NO.	DESCRIPTION	PAGE	AMOUNT (US\$)
	<u>GRANT NO. BAI066</u> <u>PROPOSED ADMINISTRATION OFFICES REHABILITATION</u> <u>AFGOYE, LOWER SHABELLE, SOMALIA</u> <u>GRAND SUMMARY</u>		
1	PRELIMINARIES AND GENERAL DESCRIPTIONS	1/9	
2	SECTION 2. EXISTING OFFICES (4No. and 1 Meeting hall)	2/9	
3	SECTION 3: GUARD HOUSE & TOILETS (1 Room and 2 Toilets)	3/9	
4	SECTION 4: TOILETS (1 Block of four toilets)	4/9	
5	SECTION 5 : BOUNDARY WALL	5/9	
6	SECTION 6 : GATE	6/9	
7	SECTION 7 : SEPTIC TANK, SOAK PIT AND FOUL DRAINAGE	7/9	
8	SECTION 8: COMPOUND LIGHTING	8/9	
9	SECTION 9: SOLAR INSTALLATION	9/9	
	TOTAL AMOUNT CARRIED TO FORM OF TENDER	US\$	
	SIGNED: (CONTRACTOR) Address: Tel No: Date: SIGNED: (EMPLOYER) Address: Tel No: Date:		