



FEDERAL GOVERNMENT OF SOMALIA

PROJECT: SPECIAL FINANCING FACILITY FOR LOCAL DEVELOPMENT  
CONTRACT FOR CONSULTING SERVICES: DEVELOPMENT OF PRELIMINARY AND  
DETAILED ENGINEERING DESIGNS AND SUPERVISION OF CIVIL WORKS  
CONTRACT NO.: MOF/SSF/SERV/08

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**VOLUME 2 – BILL OF QUANTITIES**  
**PROPOSED REHABILITATION OF ADMINISTRATION OFFICE**  
**BURTINLE DISTRICT – PUNTLAND STATE – NUGAL REGION**

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OCTOBER 2017

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## **SPECIAL NOTES**

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**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 bid.
- 2** No liability whatever will be admitted nor claim allowed in respect of errors in the Contractor's bid 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 bid documents, or any question arising, shall be taken up in writing, before submission of the bid 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 bids 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 bid be reimbursed.
- 8** The copyright of these Bills of Quantities is vested in the Client 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 Project Manager/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 Contractor shall be deemed to have satisfied themselves before bidding as to the correctness and sufficiency of their bid 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.
- 11** Definitions and Abbreviations - Terms used in these Bills of Quantities shall be interpreted as follows:
 

"Approved"	shall mean approved by the Project Manager/Architect
"as directed"	shall mean as directed by the Project Manager/Architect or any other consultant
"BS"	Shall mean the current British Standard Specification published by the British
"CM"	shall mean Cubic Meters
"SM"	shall mean Square Meters
"LM"	shall mean Linear Meters
"mm"	shall mean Millimeters
"Kg"	shall mean Kilograms
"No."	shall mean Number
"m.s"	shall mean Measured separately
"Ditto "	shall mean as described before or as above described
"PR"	shall mean Pairs
"Item"	shall mean Lump Sum
- 12** 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.

- 13** 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. If the Contractor makes default in these respects he shall, if the Project Manager/Architect so directs, uncover the work at his own expense to enable the measurements to be taken.
- 14** 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 Project Manager/Architect and the relevant Authority and shall be made good to their satisfaction at the Contractor's expense.
- 15** 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 Project Manager/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 Project Manager/Architect.

It is to be a specific condition of this Contract that the successful bidder 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.

Before the bidder's offer is accepted the Project Manager/Architect will personally interview the Contractor's proposed Representative. A curriculum vitae of past experience and qualifications must be provided for the Project Manager/Architect's scrutiny.

The Project Manager/Architect's decision will be final regarding the suitability of the proposed Representative.

- 16** All materials shall be new unless otherwise directed or permitted by the Project Manager/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.

All materials and workmanship shall, unless otherwise specified or described, conform to the appropriate British Standards Institution Specification current at the date of bid.

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.

The Contractor shall be responsible for and shall replace or make good at their own expense any materials lost or damaged.

The Works throughout shall be executed by skilled workmen well versed in their respective trades.

- 17** 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.

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.

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.

**18** 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.

The actual net cost per unit will be adjusted within the Final Account against the P.C. rate stated.

**19** The Bills of Quantities must be priced in US Dollar currency, i.e. US Dollars and Cents.

**20** The bid documents must be priced in ink.

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## **PRELIMINARIES AND GENERAL ITEMS**

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<b>GRAND SUMMARY</b>	

ITEM	ITEM DESCRIPTION	AMOUNT (US\$)
	<p><b>PREAMBLE TO BILLS OF QUANTITIES</b></p>	
<p><b>A</b></p>	<p><b>STAMP CHARGES</b></p> <p>The Contractor shall allow for the payment of all Stamp Charges in connection with the Surety Bond and Contract Agreement.</p>	
<p><b>B</b></p>	<p><b>PROGRESS SCHEDULE</b></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 Project Manager/ Architect and no deviation from the order set out in this Schedule will be permitted without the written consent of the Project Manager/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><b>C</b></p>	<p><b>TRANSPORT TO AND FROM THE SITE</b></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><b>D</b></p>	<p><b>POLICE REGULATIONS</b></p> <p>The Contractor is to allow for complying with all instructions and regulations of the Police Authorities.</p>	
<p><b>E</b></p>	<p><b>WATER</b></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><b>F</b></p>	<p><b>LIGHTING AND POWER</b></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><b>G</b></p>	<p><b>SAFETY</b></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><b>H</b></p>	<p><b>PROTECTIVE CLOTHING</b></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 style="text-align: right;"><b>Carried To Collection</b></p> <p style="text-align: right;"><b>US\$</b></p>	



ITEM	ITEM DESCRIPTION	AMOUNT (US\$)
<b>I</b>	<p><b>SAMPLES</b></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 Project Manager/Architect for his approval or rejection, and any further samples in the case of rejection until such samples are approved by the Project Manager/Architect and such samples, when approved, shall be the minimum standard for the work to which they apply.</p>	
<b>J</b>	<p><b>CONCRETE TESTS</b></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 Project Manager/Architect's and Quantity Surveyor's offices. Successful tests only (Provisional)</p>	
<b>K</b>	<p><b>SPACE AND SERVICES FOR THE PROJECT MANAGER/ARCHITECT</b></p> <p>The Contractor shall provide where directed within the site, site offices and clean toilet facilities for the sole use of the Project Manager/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 Project Manager/Architect and local authorities.</p>	
<b>L</b>	<p><b>TELEPHONE</b></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>	
<b>M</b>	<p><b>SANITATION</b></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>	
<b>N</b>	<p><b>PLANT, TOOLS AND SCAFFOLDING</b></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><b>Carried To Collection</b></p> <p><b>US\$</b></p>	

ITEM	ITEM DESCRIPTION	AMOUNT (US\$)
<b>O</b>	<p><b>WATCHING AND LIGHTING</b></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>	
<b>P</b>	<p><b>SIGNBOARD</b></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 Project Manager/ Architect's, Quantity Surveyor's and other Consultants' names shall be printed in 50 mm letters all to the Project Manager/Architect's approved design. No other signboard or advertising will be permitted without prior permission from the Project Manager/Architect.</p>	
<b>Q</b>	<p><b>PROTECTION</b></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 Project Manager/Architect until the completion of the Contract.</p>	
<b>R</b>	<p><b>CLEANING</b></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 Project Manager/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 Project Manager/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>	
<b>S</b>	<p><b>ENVIRONMENTAL AND SOCIAL MANAGEMENT</b></p> <p>Provide a provisional sum for the costs of implementing the Environmental Managemnet Plan (EMP) that involves the protection, conservation and sustainable use of the various elements or components of the environment such as the following impacts of the construction phase; soil erosion, noise pollution, construction waste, air/dust poluution, storm water, insecurity and health &amp; safety. And the impacts of the operation phase such as oil spills and leaks, increased water demand, solid waste generations, demand for electricity, fire hazards &amp; accidents, occupational health &amp; safety.</p>	
	<p><b>Carried To Collection</b></p>	<p><b>US\$</b></p>

ITEM	ITEM DESCRIPTION	AMOUNT (US\$)
	<p style="text-align: center;"><b><u>Collection</u></b></p> <p>Brought forward from Page 1/2</p> <p>Brought forward from Page 1/3</p> <p>Brought forward from Page 1/4</p>	
	<p><b><u>TOTAL FOR SECTION 1: PRELIMINARIES AND GENERAL ITEMS CARRIED TO GRAND SUMMARY</u></b></p>	

US\$

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## MAIN BUILDING

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ITEM NO.	DESCRIPTION	UNIT	QUANTITY	RATE (US\$)	AMOUNT (US\$)
	<b><u>PROPOSED REHABILITATION OF ADMINISTRATION OFFICES BURTINLE DISTRICT - PUNTLAND STATE - NUGAL REGION</u></b>				
	<b><u>SECTION 2: MAIN BUILDING</u></b>				
	<b><u>ELEMENT NO. 1</u></b>				
	<b><u>SUBSTRUCTURES (PROVISIONAL)</u></b>				
	<i>Excavations including maintaining and supporting sides and keeping free from water, mud and fallen material</i>				
A	Clear the site of all shrubs, grass and excavate top vegetable soil average depth 200mm and deposit on site as directed	SM	548		
B	Excavate to reduce level overall depth not exceeding 1.5m deep	CM	164		
C	Excavate trench for foundation not exceeding 1.50 meters deep, starting from stripped levels	CM	48		
D	Extra over for rock excavations; trench foundation	CM	5		
E	Excavate for column base not exceeding 1.50 meters	CM	10		
F	Extra over for rock excavations; column base	CM	1		
	<i>Disposal</i>				
G	Return, fill and ram selected excavated material around foundations.	CM	58		
H	Load, wheel and cart deposit and spread surplus excavated material where directed on site at a distance not exceeding 100 meters	CM	182		
	<i>Hardcore or other approved filling, as described</i>				
I	300mm thick well compacted hardcore filling blinded with 25mm thick quarry dust layer to receive surface bed	CM	329		
	<i>Anti-termite treatment</i>				
J	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	548		
	<i>Damp-proof membrane</i>				
K	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	548		
	<b>CARRIED TO COLLECTION AT END OF ELEMENT 1</b>	<b>US\$</b>			

ITEM NO.	DESCRIPTION	UNIT	QUANTITY	RATE (US\$)	AMOUNT (US\$)
	<i>Plain concrete class 15 in:</i>				
L	50mm blinding under strip footing	SM	162		
M	50mm blinding under column bases	SM	33		
	<i>Reinforced concrete class (20) as described, in:-</i>				
N	Strip footing	CM	53		
O	Column bases	CM	10		
P	Foundation columns	CM	2		
Q	150mm Thick surface bed laid in bays including all necessary formwork	CM	82		
	<i>Reinforcement, as described:-[PROVISIONAL]</i>				
	<i>High yield square twisted reinforcement bars to B.S 4461</i>				
A	8mm bars	Kg	97		
B	10mm bars	Kg	452		
C	12mm bars	Kg	1,075		
	<i>Mesh fabric reinforcement to B.S 4483 and setting in concrete with 300mm side and end laps (measured nett-allow for laps).</i>				
D	Fabric ref. A142 weighing 2.22kg/ sq.metre, in surface bed.	SM	548		
	<i>Sawn formwork as described to:-</i>				
E	To sides of strip footing	SM	157		
F	To sides of foundation columns	SM	41		
G	To sides of column base	SM	46		
H	To edge of ramp and slabs over 75mm but not exceeding 150mm high	LM	110		
	<b>CARRIED TO COLLECTION AT END OF ELEMENT 1</b>	<b>US\$</b>			

ITEM NO.	DESCRIPTION	UNIT	QUANTITY	RATE (US\$)	AMOUNT (US\$)
	<i>Walling in natural coursed stone obtained from an approved quarry, bedded and jointed in gauged mortar (1:3)</i>				
I	400mm wide	SM	89		
J	200mm wide	SM	133		
	<i>Damp-proof courses, as described, to walls</i>				
K	400mm wide	LM	67		
L	Ditto but 200mm wide	LM	122		
M	Ditto but 100mm wide	LM	9		
<b>CARRIED TO COLLECTION AT END OF ELEMENT 1</b>		<b>US\$</b>			
<b><u>ELEMENT NO. 1 COLLECTION</u></b>					
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	FROM PAGE .....	2/2			
	FROM PAGE .....	Above			
<b>TOTAL CARRIED TO THE END OF SECTION 2</b>		<b>US\$</b>			

ITEM NO.	DESCRIPTION	UNIT	QUANTITY	RATE (US\$)	AMOUNT (US\$)
	<b><u>PROPOSED REHABILITATION OF ADMINISTRATION OFFICES BURTINLE DISTRICT - PUNTLAND STATE - NUGAL REGION</u></b>				
	<b><u>SECTION 2: MAIN BUILDING</u></b>				
	<b><u>ELEMENT NO. 2</u></b>				
	<b><u>REINFORCED CONCRETE FRAME</u></b>				
	<i>Reinforced concrete class 20, as described in:-</i>				
A	Beams and ring beam	CM	33		
B	Columns	CM	8		
C	Entrance canopy	CM	1		
	<i>Reinforcement, as described (PROVISIONAL)</i>				
	<i>High yield square twisted reinforcement to BS 4461</i>				
D	8mm ditto	Kg	542		
E	12mm ditto	Kg	1,587		
F	16mm ditto	Kg	719		
	<i>Sawn formwork, as described, to:-</i>				
G	Sides and soffits of beams	SM	309		
H	Sides of columns	SM	131		
	<b><u>TOTAL CARRIED TO THE END OF SECTION 2</u></b>				
		<b>US\$</b>			



ITEM NO.	DESCRIPTION	UNIT	QUANTITY	RATE (US\$)	AMOUNT (US\$)
<b><u>PROPOSED REHABILITATION OF ADMINISTRATION OFFICES BURTINLE DISTRICT - PUNTLAND STATE - NUGAL REGION</u></b>					
<b><u>SECTION 2: MAIN BUILDING</u></b>					
<b><u>ELEMENT NO. 3</u></b>					
<b><u>WALLING</u></b>					
<i>Natural hard approved machine cut quarry stone walling from approved quarry with a crushing strength of 5.0 N/mm<sup>2</sup> 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:</i>					
A	400mm thick double walling to make 400mm thick wall externally	SM	147		
B	200mm thick walling internally	SM	341		
C	Ditto but 100mm	SM	26		
<i>Concrete coping</i>					
D	450 X 450 X 50mm Thick concrete coping	LM	6		
<b>TOTAL CARRIED TO THE END OF SECTION 2</b>					
				US\$	

ITEM NO.	DESCRIPTION	UNIT	QUANTITY	RATE (US\$)	AMOUNT (US\$)
<b><u>PROPOSED REHABILITATION OF ADMINISTRATION OFFICES</u></b>					
<b><u>BURTINLE DISTRICT - PUNTLAND STATE - NUGAL REGION</u></b>					
<b><u>SECTION 2: MAIN BUILDING</u></b>					
<b><u>ELEMENT NO. 4</u></b>					
<b><u>ROOF CONSTRUCTION AND FINISHES</u></b>					
<i>The following 26NO. in roof trusses (T1) with nailed or bolted connections including hoisting and fixing in position not exceeding 5.1 meters above ground floor level</i>					
<i>In sawn treated cypress Grade 2</i>					
A	100x50mm King post	LM	69		
B	100x50mm rafters	LM	402		
C	100x50mm strut or tie	LM	711		
D	75 x 50mm thick purlin	LM	912		
E	100x50mm wall plate fixed with and including 200mm long 12mm diameter rag bolts cast into beam at 1500mm centres	LM	415		
<i>Corrugated GI sheets gauge 28, fixed on celcurised cypress structure: 50x50mm Battens on 200X50mm Rafters @700mm on 100X50mm Wall-plate bolted @ 1200mm centres; structure to SE details. GI lining on ridges and cut-outs.</i>					
F	Roof covering not exceeding 3 degrees from the horizontal including all necessary fixtures	SM	620		
<i>Rain water goods</i>					
G	28 gauge mild steel rain water box gutter 450mm girth one edge tucked under roof cover	LM	146		
H	800mm girth 28 gauge mild steel down pipe	LM	30		
I	Extra over shoe	No.	10		
J	Extra over for swan	No.	10		
<b>TOTAL CARRIED TO THE END OF SECTION 2</b>		<b>US\$</b>			

ITEM NO.	DESCRIPTION	UNIT	QUANTITY	RATE (US\$)	AMOUNT (US\$)
<b><u>PROPOSED REHABILITATION OF ADMINISTRATION OFFICES</u></b> <b><u>BURTINLE DISTRICT - PUNTLAND STATE - NUGAL REGION</u></b>					
<b><u>SECTION 2: MAIN BUILDING</u></b>					
<b><u>ELEMENT NO. 5</u></b>					
<b><u>FINISHES</u></b>					
<i><u>15 mm cement and sand (1:3) render, finished with woodfloat to:-</u></i>					
A	Concrete or masonry surfaces externally	SM	182		
<i><u>12mm (minimum) two coat lime plaster as described to</u></i>					
B	Concrete or masonry surfaces internally	SM	1,050		
<i><u>Floor Finishes</u></i>					
<i><u>Cement and sand (1:3) screeds, backings, beds etc</u></i>					
C	20mm thick screed to receive floor tiles	SM	439		
<i><u>Ceramic floor tiles</u></i>					
D	300mm x 300mm non-ceramic floor tiles	SM	439		
E	100mm High skirting	LM	376		
<i><u>Ceiling finishes</u></i>					
F	12mm Thick chip-boarding ceiling on 50X50mm cypress branderling 50X50mm cypress	SM	433		
G	100x25mm cornice plugged	LM	350		
<i><u>Painting and decorating</u></i>					
<i><u>Prepare and apply three coats first quality emulsion paint on:-</u></i>					
H	Plastered walls externally	SM	182		
<i><u>Prepare and apply three coats first quality silk vinyl emulsion paint on:-</u></i>					
I	Plastered surfaces internally	SM	1,050		
<b>CARRIED TO COLLECTION AT END OF ELEMENT 5</b>		<b>US\$</b>			

ITEM NO.	DESCRIPTION	UNIT	QUANTITY	RATE (US\$)	AMOUNT (US\$)
	<i>Prepare and apply three coats first quality emulsion paint on:-</i>				
J	Chipboard ceiling	SM	433		
K	100X25mm cornice plugged	LM	350		
	<i>Internal landscaping</i>				
L	Allow for internal soft landscaping	Item			
	<b>CARRIED TO COLLECTION AT END OF ELEMENT 5</b>	<b>US\$</b>			
	<b><u>ELEMENT NO. 5 COLLECTION</u></b>				
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	FROM PAGE .....	Above			
	<b>TOTAL CARRIED TO THE END OF SECTION 2</b>	<b>US\$</b>			

ITEM NO.	DESCRIPTION	UNIT	QUANTITY	RATE (US\$)	AMOUNT (US\$)
	<b><u>PROPOSED REHABILITATION OF ADMINISTRATION OFFICES</u></b> <b><u>BURTINLE DISTRICT - PUNTLAND STATE - NUGAL REGION</u></b>				
	<b><u>SECTION 2: MAIN BUILDING</u></b>				
	<b><u>ELEMENT NO. 6</u></b>				
	<b><u>WINDOWS</u></b>				
	<i><u>Precast concrete class 20 fair faced all exposed surfaces bedded and jointed cement and sand (1:4 mortar)</u></i>				
A	In-situ moulded concrete window cill size 105X35x30mm thick weathered and throated and jointed in mortar (1:4)  <i><u>Aluminium windows</u></i>  <i><u>Supply, assemble and fix the following purposed-made Anodized powder coated aluminium windows including 5mm glazing in wash leather and matching iron mongery and furniture and finishing to reveals in (1:4) mortar.</u></i>	LM	43		
B	Window size 2125 X 1500mm high	No.	11		
C	Window size 2000 X 1500mm high	No.	7		
D	Window size 500 X 800mm high  <i><u>In-wrot mahogany</u></i>	No.	7		
D	325x25mm window board, plugged, screwed and pelleted	LM	43		
E	20x20mm quardrant beading plugged  <i><u>Anodized brass coated aluminium:</u></i>	LM	43		
F	Heavy duty overlapping double curtain rail complete with rollers, clips and stopped ends  <i><u>Painting to window board</u></i>	LM	43		
H	Approved painting to wooden surfaces	LM	43		
	<b>TOTAL CARRIED TO THE END OF SECTION 2</b>	<b>US\$</b>			

ITEM NO.	DESCRIPTION	UNIT	QUANTITY	RATE (US\$)	AMOUNT (US\$)
<b><u>PROPOSED REHABILITATION OF ADMINISTRATION OFFICES</u></b> <b><u>BURTINLE DISTRICT - PUNTLAND STATE - NUGAL REGION</u></b>					
<b><u>SECTION 2: MAIN BUILDING</u></b>					
<b><u>ELEMENT NO. 7</u></b>					
<b><u>DOORS</u></b>					
<i><u>50mm thick mahogany panel doors to architects approval</u></i>					
A	50mm thick door overall size 1000x2100mm high	No.	1		
<i><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</u></i>					
B	Ditto but 1000 X 2280mm high	No.	26		
C	Ditto but 800 X 2280mm high	No.	4		
<i><u>In-wrot mahogany</u></i>					
D	150x50mm moulded door frame with 4 labours including fixing dowels and cramps	LM	172		
E	50x25mm architrave	LM	172		
F	25mm quadrant	LM	172		
<i><u>Painting and decoration</u></i>					
<i><u>Knot, prime, stop and apply 3coats polyurethane clear vanish:</u></i>					
G	General surface of doors internally	SM	69		
H	General surface of doors externally	SM	69		
I	Wooden surface 200 - 300mm girth	LM	172		
J	Wooden surface 0 - 100mm girth	LM	172		
<i><u>Supply delivery and fix the following ironmongery with matching screws</u></i>					
K	In pairs, 100 x50mm medium duty brass butt hinges	PR	47		
L	5level mortise door lock	No	27		
M	2level mortise door lock	No	4		
N	Coat hook	No	4		
O	Rubber door stop plugged to concrete floor	No	31		
<b>TOTAL CARRIED TO THE END OF SECTION 2</b>		<b>US\$</b>			

ITEM NO.	DESCRIPTION	UNIT	QUANTITY	RATE (US\$)	AMOUNT (US\$)
	<b><u>PROPOSED REHABILITATION OF ADMINISTRATION OFFICES BURTINLE DISTRICT - PUNTLAND STATE - NUGAL REGION</u></b>				
	<b><u>SECTION 2: MAIN BUILDING</u></b>				
	<b><u>ELEMENT NO. 8</u></b>				
	<b><u>PLUMBING INSTALLATION &amp; SERVICES</u></b>				
	<b>SANITARY WARE</b>				
	<i>Take delivery and Install Only the following appliances</i>				
	<i>WC suite</i>				
A	Twyfords REFRESH HO washdown WC suite in white vitreous china with box flushing rim, EN 1148WH complete with ENTICE cistern, EN2561 and flush assembly , 4/6 L BSIO dual flush with CP push button EN2561WH, seat & cover EN 7860	No.	7		
	<i>Vanity Wash-hand basin</i>				
B	White countertop wash- hand basin size 500x410mm with one central taphole, Basin to be as Twyfords Refresh	No.	5		
C	32mm trap	No.	7		
	<i>Angle Valves</i>				
D	1/2" Chrome plated angle regulating valve with 350 mm long service connection	No.	12		
	<i>Testing &amp; Commissioning</i>				
E	Allow for setting to work, testing and commissioning.	Item			
	<b>INTERNAL PLUMBING</b>				
	<i>Supply, deliver and install PPR pipes and fittings for sizes upto 2" - SDR 13.5 and for sizes above 2" upto 4"- Schedule 40 Bidders must allow in their pipework prices for all the couplings, connectors, joints etc.required in the running length of pipework and also where necessary, for pipe fixing clips, holderbats plugged and screwed, brackets and pipe sleeves through structural members.</i>				
	<i>Cold Water</i>				
A	40mm diameter PPR Pipes surface mounted	LM	14		
B	50mm diameter PPR Pipes surface mounted	LM	42		
	<i>Extra over PPR tubing for the following:</i>				
C	40mm diameter PPR 90° elbow	No.	6		
	<b>CARRIED TO COLLECTION AT END OF ELEMENT 8</b>	<b>US\$</b>			

ITEM NO.	DESCRIPTION	UNIT	QUANTITY	RATE (US\$)	AMOUNT (US\$)
E	<i>Tees</i> 40mm diameter PPR equal tee	No.	9		
F	<i>Reducer Tees</i> 40x32mm diameter PPR reducer coupling	No.	12		
G	<i>Gate Valves</i> 40mm dia approved high pressure screw- down full way non-rising stem solid wedge disc gate valve to BS 5154 PN 16 for Series B Rating with wheel head and joints to steel tubing. As "Crane Model 156 " or equal and approved	No.	3		
H	Water Check meter	No.	1		
I	Contingency sum for plumbing works	Item			
<b>CARRIED TO COLLECTION AT END OF ELEMENT 8</b>		<b>US\$</b>			
<b><u>ELEMENT NO. 8 COLLECTION</u></b>					
FROM PAGE .....		2/11			
FROM PAGE .....		Above			
<b>TOTAL CARRIED TO THE END OF SECTION 2</b>		<b>US\$</b>			



ITEM NO.	DESCRIPTION	UNIT	QUANTITY	RATE (US\$)	AMOUNT (US\$)
	<b><u>PROPOSED REHABILITATION OF ADMINISTRATION OFFICES BURTINLE DISTRICT - PUNTLAND STATE - NUGAL REGION</u></b>				
	<b><u>SECTION 2: MAIN BUILDING</u></b>				
	<b>ELEMENT NO. 9</b>				
	<b>ELECTRICAL INSTALLATIONS &amp; SERVICES</b>				
	<i>Supply, install, test and commission the following:</i>				
	<b>LIGHTING POINTS</b>				
A	Lighting point wired in 3 x 1.5mm <sup>2</sup> SC-PVC – Cu cables drawn in 20mm diameter HG PVC conduits concealed inside ceiling complete with all necessary accessories excluding switches and fittings.	No.	65		
B	Bell point points wired in 3x1.5mm <sup>2</sup> PVC insulated single core (SC) copper wires drawn in 20mm dia. HG PVC conduit	No.	1		
	<i>10A moulded ivory switch plates as Crabtree or approved equivalent as follows:</i>				
C	Single pole switch	No.	19		
D	Two gang switch	No.	4		
	<b>LIGHTING FITTINGS</b>				
	<i>Light fitting complete with fixing accessories and lamps as follows:</i>				
E	1200mm 1 x 36w Fluorescent batten fitting of slim cross-section with clip-on cover plate and adjustable end ca system. As Thorn Popular Pack Batten or approved equivalent	No.	60		
F	10 A 3-plate ceiling mounted light fixture complete with rose, BC lamp holder and flexible cord.	No.	1		
G	Flood lamps	No.	2		
H	Wall mounted lighting fixture	No.	2		
	<b>SOCKET OUTLETS AND POWER POINTS</b>				
I	Duplex receptacle point comprising wiring in 3 x 2.5mm <sup>2</sup> PVC-SCCu cables in concealed in 20mm HG PVC conduits.	No.	25		
	<b>CONSUMER UNITS/DISTRIBUTION BOARDS</b>				
J	8-way S/N consumer unit flush mounted on wall complete with a 100A SP/N integral isolator as CRABTREE or approved equivalent	No.	1		
	<b>CARRIED TO COLLECTION AT END OF ELEMENT 9</b>	<b>US\$</b>			

ITEM NO.	DESCRIPTION	UNIT	QUANTITY	RATE (US\$)	AMOUNT (US\$)
	<i>Single pole Miniature Circuit Breakers to fit into the above consumer unit as follows:</i>				
J	5A SP	No.	1		
K	20A SP	No.	1		
L	Blanking plates	No.	1		
	<b>SUB-MAINS CABLES AND OTHER ITEMS</b>				
A	3 X 16.0mm <sup>2</sup> single-Core copper cables drawn inside HG conduits.	Item			
B	Meter box made from gauge 14swg galvanized steel sheet complete with bonding screws/bolts and viewing glass.	No.	1		
C	63A SP switch fuse (KMBG)	No.	1		
D	Manholes (600mmx450mm)	No.	1		
E	Electrical earthing comprising 6.0mm <sup>2</sup> single-core copper cables drawn inside HG conduits, 1500mm by 15mm diameter copper electrode complete with clamp and a pre-cast concrete inspection pit with cover.	Item			
F	Door bell point wired in 3 x 1.5 sq.mm cables in conduit	No.	1		
G	Bell push as Crabtree or approved equivalent	No.	1		
H	Electric bell/chime to Project Manager/Architect's's approval	No.	1		
I	Earthing for the 1 nos DBs and 25 nos CU	Item			
J	Allow for attendance and follow up for power services comprising of application for service line, service line installation and connections to meters.	Item			
K	Test the completed lightning protection system and log in results	Item			
L	Allow for connecting power source to authorities	Item			
M	Contingency sum for electrical works	Item			
	<b>CARRIED TO COLLECTION AT END OF ELEMENT 9</b>	<b>US\$</b>			
	<b><u>ELEMENT NO. 9 COLLECTION</u></b>				
	FROM PAGE .....	2/13			
	FROM PAGE .....	Above			
	<b>TOTAL CARRIED TO THE END OF SECTION 2</b>	<b>US\$</b>			

ITEM NO.	DESCRIPTION	UNIT	QUANTITY	RATE (US\$)	AMOUNT (US\$)
<b><u>PROPOSED REHABILITATION OF ADMINISTRATION OFFICES BURTINLE DISTRICT - PUNTLAND STATE - NUGAL REGION</u></b>					
<b><u>SECTION 2: MAIN BUILDING</u></b>					
<b><u>MAIN SUMMARY</u></b>					
<b><u>ELEMENT NO.</u></b>	<b><u>TITLE</u></b>		<b><u>PAGE</u></b>		
1	SUBSTRUCTURE		2/3		
2	REINFORCED CONCRETE FRAME		2/4		
3	WALLING		2/5		
4	ROOF CONSTRUCTION AND FINISHES		2/6		
5	FINISHES		2/8		
6	WINDOWS		2/9		
7	DOORS		2/10		
8	PLUMBING & DRAINAGE INSTALLATIONS		2/12		
9	ELECTRICAL INSTALLATIONS		2/14		
<b><u>TOTAL FOR SECTION 2: MAIN BUILDING - CARRIED TO GRAND SUMMARY</u></b>		US\$			

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## **EXTERNAL WORKS**

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ITEM NO.	DESCRIPTION	UNIT	QUANTITY	RATE (US\$)	AMOUNT (US\$)
<b><u>PROPOSED REHABILITATION OF ADMINISTRATION OFFICES BURTLINLE DISTRICT - PUNTLAND STATE - NUGAL REGION</u></b>					
<b><u>SECTION 3: EXTERNAL WORKS</u></b>					
<b><u>ELEMENT NO. 1</u></b>					
<b><u>BOUNDARY WALL</u></b>					
<i>Demolitions</i>					
A	Allow for demolition of boundary wall as per drawings	Item			
<i>Excavations</i>					
B	Excavate trenches for strip footing not exceeding 1.5m deep commencing at ground level	CM	30		
C	Ditto for column/pier bases not exceeding 1.5mm deep	CM	24		
<i>Disposal</i>					
D	Return, fill and ram selected excavated material around foundations	CM	25		
E	Wheel away, spread level and compact excavated materials as directed on site	CM	29		
<i>Concrete Works</i>					
<i><u>50mm thick mass concrete (1:3:6) class 15/20 in blinding under:</u></i>					
F	Strip footing	SM	75		
G	Ditto but to column bases	SM	24		
<i><u>Reinforced concrete class (20) as described, in:-</u></i>					
H	Strip foundation	CM	23		
I	Column bases	CM	7		
<i><u>Supply and fix the following reinforcement bars including cutting, bending, hooking, tying and supporting as required high yield square twisted reinforcement bars to B.S 4461</u></i>					
J	12mm Ditto	Kg	765		
<i><u>Formwork as described to:-</u></i>					
K	Strip footing: vertical sides	SM	37		
L	Columns: vertical sides-substructure	SM	32		
<i>DPC</i>					
M	400mm wide DPC to wall	LM	102		
<b>CARRIED TO COLLECTION AT END OF ELEMENT 1</b>		<b>US\$</b>			

ITEM NO.	DESCRIPTION	UNIT	QUANTITY	RATE (US\$)	AMOUNT (US\$)
	<u>Walling and Piers</u>				
	<u>Medium dressed natural stone wall: load bearing 7.0 N/mm2: bedded and jointed in cement and sand 1:4 mortar: reinforced with 25mm x 3mm hoop iron strips laid horizontally at every alternate course as described in:</u>				
M	200 mm thick substructure walling	SM	46		
N	ditto: superstructure	SM	221		
O	25mm MS grille welded to RHS border. Acrylic latex paint or oil based paint, over substrate previously primed with rust inhibitive specialty primer coat	SM	22		
P	400 X 400 X 700mm High, masonry piers substructure.	LM	21		
Q	400 X 400 X 2720mm High, masonry piers substructure.	LM	82		
	<u>Pre-cast concrete coping</u>				
R	250 X 250 x 50mm Thick precast concrete coping weathered both directions and throated both sides laid on masonry wall in cement and sand (1:4) mortar and fixing bars for every length of coping	LM	92		
S	250 x 350 x 50mm Pier caps ditto	No.	30		
	<u>Finishes</u>				
	<u>12mm (minimum) two coat lime plaster as described to:</u>				
T	Masonry piers both sides	SM	82		
U	Keying and pointing to 400mm Thick boundary wall externally	SM	221		
V	Keying and pointing to 400mm Thick boundary wall internally	SM	221		
	<u>Prepare and apply three coats of textured paint to:</u>				
W	Masonry piers both sides	SM	82		
X	Keying and pointing to 400mm Thick boundary wall externally	SM	221		
Y	Keying and pointing to 400mm Thick boundary wall internally	SM	221		
	<b>CARRIED TO COLLECTION AT END OF ELEMENT 1</b>	<b>US\$</b>			
	<b><u>ELEMENT NO. 1 COLLECTION</u></b>				
	FROM PAGE .....	3/1			
	FROM PAGE .....	Above			
	<b>TOTAL CARRIED TO THE END OF SECTION 3</b>	<b>US\$</b>			

ITEM NO.	DESCRIPTION	UNIT	QUANTITY	RATE (US\$)	AMOUNT (US\$)
A	<p><b>PROPOSED REHABILITATION OF ADMINISTRATION OFFICES BURTLINLE DISTRICT - PUNTLAND STATE - NUGAL REGION</b></p> <p><b>SECTION 3: EXTERNAL WORKS</b></p> <p><b>ELEMENT NO. 2</b></p> <p><b><u>GATE</u></b></p> <p>Framed metal gate in two equal leaves: overall size 5000 x 2720mm High: each leaf comprising comprising 40 x 50 x 4mm SHS stiles, top, middle and bottom rails: infilled with 40 x 25 x 3mm RHS tubes at 375mm centres both ways to form 375 x 375mm panels: panels infilled with shaped 4mm Thick metal sheet: purpose made metal pin fixing cleats, plate and hinges: fixing plates set in concrete columns: 1 coat red oxide primer and three coats gloss oil paint</p>	No.	1		
	<b>TOTAL CARRIED TO THE END OF SECTION 3</b>	<b>US\$</b>			

ITEM NO.	DESCRIPTION	UNIT	QUANTITY	RATE (US\$)	AMOUNT (US\$)
A	<p><b><u>PROPOSED REHABILITATION OF ADMINISTRATION OFFICES BURTLINLE DISTRICT - PUNTLAND STATE - NUGAL REGION</u></b></p> <p><b><u>SECTION 3: EXTERNAL WORKS</u></b></p> <p><b><u>ELEMENT NO. 3</u></b></p> <p><b><u>PASSAGES, DRIVEWAYS, CURBS &amp; PARKING LOT</u></b></p> <p>Provide a provisional sum for passages and driveways using crushed aggregate or equivalent; painted machine-cut quarry stone or equivalent shall be used for curbs and parking lot all to the architect's approval</p>	Item			
	<p><b>TOTAL CARRIED TO THE END OF SECTION 3</b></p>	US\$			



ITEM NO.	DESCRIPTION	UNIT	QUANTITY	RATE (US\$)	AMOUNT (US\$)
<b><u>PROPOSED REHABILITATION OF ADMINISTRATION OFFICES BURTLINLE DISTRICT - PUNTLAND STATE - NUGAL REGION</u></b>					
<b><u>SECTION 3: EXTERNAL WORKS</u></b>					
<b><u>MAIN SUMMARY</u></b>					
<b><u>ELEMENT NO.</u></b>	<b><u>TITLE</u></b>		<b><u>PAGE</u></b>		
1	BOUNDARY WALL		3/2		
2	GATE		3/3		
3	PASSAGES, DRIVEWAYS, CURBS & PARKING LOT		3/4		
<b><u>TOTAL FOR SECTION 3: EXTERNAL WORKS - CARRIED TO GRAND SUMMARY</u></b>		US\$			

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## SEPTIC TANK

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ITEM NO.	DESCRIPTION	UNIT	QUANTITY	RATE (US\$)	AMOUNT (US\$)
<b><u>PROPOSED REHABILITATION OF ADMINISTRATION OFFICES</u></b>					
<b><u>BURTINLE DISTRICT - PUNTLAND STATE - NUGAL REGION</u></b>					
<b><u>SECTION 4: SEPTIC TANK</u></b>					
<b><u>ELEMENT NO. 1</u></b>					
<b><u>SUBSTRUCTURES (PROVISIONAL)</u></b>					
<i>Excavations including maintaining and supporting sides and keeping free from water, mud and fallen material</i>					
A	Clear the site of all shrubs, grass and excavate top vegetable soil average depth 200mm and deposit on site as directed	SM	11		
B	Bulk excavation to reduce level overall depth not exceeding 1.5m deep	CM	115		
C	Bulk excavation to reduce level overall depth not exceeding 3m deep	CM	3		
D	Excavate trench for foundation not exceeding 1.50 meters deep, starting from stripped levels	CM	1		
E	Extra over for rock excavations	CM	23		
<i>Disposal</i>					
F	Load, wheel and cart deposit and spread surplus excavated material where directed on site at a distance not exceeding 100 meters	CM	119		
<i>Anti-termite treatment</i>					
G	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	11		
<i>Damp-proof membrane</i>					
H	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	11		
<i>Plain concrete class 15 in:</i>					
I	50mm blinding under strip footing	SM	11		
<i>Reinforced concrete class (20) as described, in:-</i>					
J	Baffle beam	CM	1		
K	Strip footing	CM	3		
<b>CARRIED TO COLLECTION AT END OF ELEMENT 1</b>		<b>US\$</b>			

ITEM NO.	DESCRIPTION	UNIT	QUANTITY	RATE (US\$)	AMOUNT (US\$)
L	150mm thick bottom slab laid in bays including all necessary formwork	CM	1.7		
M	150mm thick top slab laid in bays including all necessary formwork  <i>French drain</i>	CM	1.4		
N	Excavate a frech drain 900mm deep and fill it with tar paper over 10mm gabs, 600mm high hadcore filling, and 200mm high, compacted murrum; length to be determined at site to architect's approval  <i>Reinforcement, as described:-[PROVISIONAL]</i>  <i>High yield square twisted reinforcement bars to B.S 4461</i>	No.	1		
A	8mm bars	Kg	9		
B	10mm bars	Kg	211		
C	12mm bars  <i>Mesh fabric reinforcement to B.S 4483 and setting in concrete with 300mm side and end laps (measured nett-allow for laps).</i>	Kg	126		
D	Fabric ref. A142 weighing 2.22kg/ sq.metre, in surface bed.  <i>Sawn formwork as described to:-</i>	SM	2		
E	Sides and soffites of Baffle beam	SM	4		
F	Soffit of suspended slab	SM	8		
G	To edge of and slabs over 75mm but not exceeding 150mm high	LM	12		
<b>CARRIED TO COLLECTION AT END OF ELEMENT 1</b>		<b>US\$</b>			

ITEM NO.	DESCRIPTION	UNIT	QUANTITY	RATE (US\$)	AMOUNT (US\$)
H	<p><i>Walling in natural coursed stone obtained from an approved quarry, bedded and jointed in gauged mortar (1:3)</i></p> <p>200mm thick walling</p>	SM	20		
I	<p><i>Damp-proof courses, as described, to walls</i></p> <p>200mm wide</p>	LM	19		
<b>CARRIED TO COLLECTION AT END OF ELEMENT 1</b>		<b>US\$</b>			
<b><u>ELEMENT NO. 1 COLLECTION</u></b>					
FROM PAGE .....			4/1		
FROM PAGE .....			4/2		
FROM PAGE .....			Above		
<b>TOTAL CARRIED TO THE END OF SECTION 4</b>		<b>US\$</b>			

ITEM NO.	DESCRIPTION	UNIT	QUANTITY	RATE (US\$)	AMOUNT (US\$)
<b><u>PROPOSED REHABILITATION OF ADMINISTRATION OFFICES BURTLINLE DISTRICT - PUNTLAND STATE - NUGAL REGION</u></b>					
<b><u>SECTION 4: SEPTIC TANK</u></b>					
<b><u>ELEMENT NO. 2</u></b>					
<b><u>FINISHES</u></b>					
<i><u>15 mm cement and sand (1:3) render, finished with woodfloat to:-</u></i>					
A	Bottom concrete floor slab	SM	2		
<i><u>12mm (minimum) two coat lime plaster as described to</u></i>					
B	Concrete or masonry surfaces internally	SM	20		
C	50 mm thick average light weight cement sand backing screed to waterproofing membranes ( m/s )	SM	20		
<i><u>APP Membrane</u></i>					
D	Supply and fix APP waterproofing membrane as manufactured and laid strictly in accordance with manufacturer's printed instructions; laid on cement sand screed (m/s) to flat roof surfaces and concrete gutters	SM	20		
<i><u>Manhole cover</u></i>					
E	Provide 600x600mm wide light duty manhole cover complete with frames	No.	4		
F	Provision for all pipe works and accessories	Item			
<b>TOTAL CARRIED TO THE END OF SECTION 4</b>		<b>US\$</b>			

ITEM NO.	DESCRIPTION	UNIT	QUANTITY	RATE (US\$)	AMOUNT (US\$)
<b><u>PROPOSED REHABILITATION OF ADMINISTRATION OFFICES BURTLINLE DISTRICT - PUNTLAND STATE - NUGAL REGION</u></b>					
<b><u>SECTION 4: SEPTIC TANK</u></b>					
<b><u>MAIN SUMMARY</u></b>					
<b><u>ELEMENT NO.</u></b>	<b><u>TITLE</u></b>		<b><u>PAGE</u></b>		
1	SUBSTRUCTURE		4/3		
2	FINISHES		4/4		
<b><u>TOTAL FOR SECTION 4: SEPTIC TANK - CARRIED TO GRAND SUMMARY</u></b>		US\$			

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## **WATER TANK**

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ITEM NO.	DESCRIPTION	UNIT	QUANTITY	RATE (US\$)	AMOUNT (US\$)
<b><u>PROPOSED REHABILITATION OF ADMINISTRATION OFFICES</u></b>					
<b><u>BURTINLE DISTRICT - PUNTLAND STATE - NUGAL REGION</u></b>					
<b><u>SECTION 5: WATER TANK</u></b>					
<b><u>ELEMENT NO. 1</u></b>					
<b><u>WATER TANK</u></b>					
<i>Excavations</i>					
A	Excavate trenches for strip footing not exceeding 1.5m deep commencing at ground level	CM	13		
<i>Disposal</i>					
B	Return, fill and ram selected excavated material around foundations	CM	9		
C	Wheel away, spread level and compact excavated materials as directed on site	CM	4		
<i>Concrete Works</i>					
<i>50mm thick mass concrete (1:3:6) class 15/20 in blinding under:</i>					
D	Column bases	SM	9		
<i>Reinforced concrete class (20) as described, in:-</i>					
E	Column bases	CM	3		
F	Columns (Substructure)	CM	1		
G	Columns (Superstructure)	CM	1		
H	Suspended floor slab	CM	3		
<i>Supply and fix the following reinforcement bars including cutting, bending, hooking, tying and supporting as required high yield square twisted reinforcement bars to B.S 4461</i>					
I	8mm Diameter	Kg	102		
J	10mm Ditto	Kg	53		
K	12mm Ditto	Kg	276		
L	16mm Ditto	Kg	400		
<b>CARRIED TO COLLECTION AT END OF ELEMENT 1</b>		<b>US\$</b>			

ITEM NO.	DESCRIPTION	UNIT	QUANTITY	RATE (US\$)	AMOUNT (US\$)
	<i>Formwork as described to:-</i>				
M	Columns: vertical sides-substructure	SM	7		
N	Columns: vertical sides-superstructure	SM	15		
O	Column bases	SM	9		
P	Suspended floor slab	SM	19		
	<i>Finishes</i>				
	<i>12mm (minimum) two coat lime plaster as described to:</i>				
Q	Concrete surfaces	SM	42		
R	Concrete surfaces (Tank slab top)	SM	19		
	<i>Prepare and apply three coats of textured paint to:</i>				
S	Concrete surfaces	SM	42		
	<i>Water Storage Tank</i>				
T	Allow installation of 3m high Steel 55000 Lit capacity water storage tank with Ø500mm access man-way, screened, cowl ventilator, sump internal access ladder, water-level infdicator, float valve & spill-over weir box. Cleats and stays, joinery and other particulars to fabricator's details.	Item			
	<b>CARRIED TO COLLECTION AT END OF ELEMENT 1</b>	<b>US\$</b>			
	<b><u>ELEMENT NO. 1 COLLECTION</u></b>				
	FROM PAGE .....	5/1			
	FROM PAGE .....	Above			
	<b>TOTAL CARRIED TO THE END OF SECTION 5</b>	<b>US\$</b>			

ITEM NO.	DESCRIPTION	UNIT	QUANTITY	RATE (US\$)	AMOUNT (US\$)
<b><u>PROPOSED REHABILITATION OF ADMINISTRATION OFFICES BURTINLE DISTRICT - PUNTLAND STATE - NUGAL REGION</u></b>					
<b><u>SECTION 5: WATER TANK</u></b>					
<b><u>MAIN SUMMARY</u></b>					
<b><u>ELEMENT NO.</u></b>	<b><u>TITLE</u></b>		<b><u>PAGE</u></b>		
1	WATER TANK		5/2		
<b><u>TOTAL FOR SECTION 5: WATER TANK - CARRIED TO GRAND SUMMARY</u></b>		US\$			

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## CONSERVANCY TANK

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ITEM NO.	DESCRIPTION	UNIT	QUANTITY	RATE (US\$)	AMOUNT (US\$)
<b><u>PROPOSED REHABILITATION OF ADMINISTRATION OFFICES BURTLINLE DISTRICT - PUNTLAND STATE - NUGAL REGION</u></b>					
<b><u>SECTION 6: CONSERVANCY TANK</u></b>					
<b><u>ELEMENT NO. 1</u></b>					
<b><u>CONSERVANCY TANK</u></b>					
<i>Excavations</i>					
A	Bulk excavate to reduce level overall depth not exceeding 1.5m deep	CM	15		
B	Bulk excavate to reduce level overall depth not exceeding 3.0m deep	CM	12		
C	Extra over for rock excavations	CM	3		
<i>Disposal</i>					
D	Load, wheel and cart deposit and spread surplus excavated material where directed on site at a distance not exceeding 100 meters	CM	27		
<i>Anti-termite treatment</i>					
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	10		
<i>Damp-proof membrane</i>					
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	10		
<i>Mass concrete class 15 in:</i>					
G	150mm blinding under conservancy tank	SM	10		
<i>Reinforced concrete class (20) as described, in:-</i>					
H	200mm Thick surface bed laid in bays including all necessary formwork	CM	2		
I	200mm Thick RC walls	CM	9		
J	200mm Thick suspended top slab	CM	2		
<i>Reinforcement, as described:-[PROVISIONAL]</i>					
<i>High yield square twisted reinforcement bars to B.S 4461</i>					
A	10mm bars	Kg	1,213		
<b>CARRIED TO COLLECTION AT END OF ELEMENT 1</b>		<b>US\$</b>			

ITEM NO.	DESCRIPTION	UNIT	QUANTITY	RATE (US\$)	AMOUNT (US\$)
	<i>Mesh fabric reinforcement to B.S 4483 and setting in concrete with 300mm side and end laps (measured nett-allow for laps).</i>				
B	Fabric ref. A142 weighing 2.22kg/ sq.metre, in surface bed.  <i>Manhole cover</i>	SM	10		
	<i>Cast iron medium duty manhole covers and frames ref. B21A3 by East African Foundry Works and casting frame in concrete, including greasing.</i>				
C	Medium duty manhole cover size 900 x 600mm wide; double seal  <i>Sawn formwork as described to:-</i>	No.	1		
D	To vertical sides of RC wall	SM	107		
E	To soffites of suspended top slab	SM	10		
F	To edge of suspended slab 150mm but not exceeding 300mm wide  <i>Cement and sand (1:3) screeding</i>	LM	134		
G	50mm thick, prepared to receive water-proofing compound  <i>12mm (minimum) two coat lime plaster as described to</i>	SM	20		
H	Soffites of suspended slab	SM	10		
I	Sides of RC walls internally  <i>Waterproofing</i>	SM	43		
	<i>Approved water-proofing treatment to concrete surface applied strictly to manufacturer's instruction</i>				
J	Waterproofing to concrete surfaces	SM	63		
	<b>CARRIED TO COLLECTION AT END OF ELEMENT 1</b>	<b>US\$</b>			
	<b><u>ELEMENT NO. 1 COLLECTION</u></b>				
	FROM PAGE .....		6/1		
	FROM PAGE .....		Above		
	<b>TOTAL CARRIED TO THE END OF SECTION 6</b>	<b>US\$</b>			

ITEM NO.	DESCRIPTION	UNIT	QUANTITY	RATE (US\$)	AMOUNT (US\$)
<b><u>PROPOSED REHABILITATION OF ADMINISTRATION OFFICES BURTINLE DISTRICT - PUNTLAND STATE - NUGAL REGION</u></b>					
<b><u>SECTION 6: CONSERVANCY TANK</u></b>					
<b><u>MAIN SUMMARY</u></b>					
<b><u>ELEMENT NO.</u></b>	<b><u>TITLE</u></b>		<b><u>PAGE</u></b>		
1	CONSERVANCY TANK		6/2		
<b><u>TOTAL FOR SECTION 6: CONSERVANCY TANK - CARRIED TO GRAND SUMMARY</u></b>		US\$			

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## CONSERVANCY TANK

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ITEM NO.	DESCRIPTION	UNIT	QUANTITY	RATE (US\$)	AMOUNT (US\$)
<p><b><u>PROPOSED REHABILITATION OF ADMINISTRATION OFFICES BURTLINLE DISTRICT - PUNTLAND STATE - NUGAL REGION</u></b></p>					
<p><b><u>SECTION 7: PROVISIONAL SUMS</u></b></p>					
<p>The following provisional sums are for works whose quantities and nature cannot be defined or ascertained during the preparation of the Bills of Quantities (provisional items). The actual amounts of works shall be included once they are executed in accordance with the Architects and/or Engineers instructions and measured/valued by the Quantity Surveyor.</p>					
<p>The following prime cost sums are for works to be executed complete by nominated company/contractor.</p>					
A	Allow a provisional sum of US Dollars _____ only for demolition of existing building including disposal of rubbles and other waste material away from site	Sum			
B	Allow a provisional sum of US Dollars _____ only for General Greenery Landscaping Services	Sum			
C	Allow a provisional sum of US Dollars _____ only for Foul Drainage/Soil & Waste Drainage	Sum			
D	Allow a provisional sum of US Dollars _____ only for the construction of new Latrine	Sum			
E	Allow a prime cost sum of US Dollars _____ only for CCTV Control System	PC			
<p><b><u>TOTAL FOR SECTION 7: PROVISIONAL SUMS - CARRIED TO GRAND SUMMARY</u></b></p>		US\$			
Empty rows for the table structure					

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## GRAND SUMMARY

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ITEM NO.	DESCRIPTION	PAGE	AMOUNT (US\$)
<p><b><u>PROPOSED REHABILITATION OF ADMINISTRATION OFFICES BURTINLE DISTRICT - PUNTLAND STATE - NUGAL REGION</u></b></p>			
<p><b><u>GRAND SUMMARY</u></b></p>			
1	SECTION 1: PRELIMINARIES AND GENERAL ITEMS	1/5	
2	SECTION 2: MAIN BUILDING	2/15	
3	SECTION 3: EXTERNAL WORKS	3/5	
4	SECTION 4: SEPTIC TANK	4/5	
5	SECTION 5: WATER TANK	5/3	
6	SECTION 6: CONSERVANCY TANK	6/3	
7	SECTION 7: PROVISIONAL SUMS	7/1	
<p><b>SUB-TOTAL</b></p>			
<p>Add for 10% Contingencies</p>			
<p><b>TOTAL AMOUNT CARRIED TO FORM OF BID</b></p>		<p><b>US\$</b></p>	
<p><b>SIGNED:</b></p> <p><b>(CONTRACTOR)</b> .....</p> <p>Name of the Authorized Representative .....</p> <p>Address: .....</p> <p>Tel No: .....</p> <p>Date: .....</p>			

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## **DAYWORKS SCHEDULE**

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ITEM NO.	DESCRIPTION	UNIT	QUANTITY	RATE (US\$)	AMOUNT (US\$)
<p><b><u>PROPOSED REHABILITATION OF ADMINISTRATION OFFICES</u></b>  <b><u>BURTINLE DISTRICT - PUNTLAND STATE - NUGAL REGION</u></b></p>					
<p><b><u>DAYWORKS SCHEDULE</u></b></p>					
<p><b><u>ELEMENT NO. 1 - CCTV SYSTEM</u></b></p>					
	<p><i>Procurement, Installation, Commissioning of the CCTV Cameras and Video Surveillance Systems at Xinhua News Agency</i></p>	No.			
A	<p>Outdoor Bullet Cameras                      Vandal Resistant, tamper detection, 12VDC, 1/3" 1.3MP Progressive Scan CMOS, Full HD (1080P) at 25/30fps, dual-stream encoding with H.264 Primary stream, Varifocal Lens 3.8 to 13 mm, HDR, Auto Iris, Auto back focus, Micro SD support upto 2Tb;IP66, &gt;IK10, PoE; iDNR; iAE; ROI; day/night with ICR; IVA; Image stabilization;</p>	No.			
B	<p>Indoor Dome Cameras                      12VDC, 1/3" Progressive Scan CMOS HD, Full HD (1080P) at 25/30fps, dual-stream encoding with H.264 Primary stream, Varifocal SR Lens 3.8 to 13 mm, HDR, Auto Iris, Auto back focus, Micro SD support upto 2Tb, PoE; iDNR; iAE; ROI; day/night with ICR; IVA; Password protected Access; 16:9 Aspect Ratio and 9:16 upright format support.</p>	No.			
C	<p>PTZ Cameras                      ¼" CCD Sensor Technology. Full HD Up to 36x optical zoom lens (3.4–122.4 mm) F1.6 to F4.5 with up to 12x digital zoom. Pan-tilt speed up 0.1° to 400° per second. Optical FoV 1.7° to 57.8°; SDXC Recording support (MICRO SD EXCLUDED). Dual H.264/MJPEG streaming; Special application keyboards for PTZ control (EXCLUDED); WDR, SNR at least 40dB; On-click, motion and rule-triggered auto tracking; IK10 protection rating.</p>	No.			
D	<p>Software Channel License per Camera</p>	No.			
E	<p>Video Recording and Management                      Manage over 1000 cameras spanning multiple sites/distributed architecture; Cameras IVA management. VMS complete with Non-renewable licenses. Batch Camera Firmware upgrade support.ONVIF, RTSP or JPEG protocols on 3rd Party cameras supported.</p>	No.			
F	<p>DIVAR IP 3000 appliance with 32ch (4TB) pre-licensed fully unctional with MS WSS 2008 R2 (64-bit); Bosch Video Management System; Bosch Video Recording Manager including Video Streaming Gateway; Dynamic Transcoding. Graphics card (1 x USB DVI port, onboard graphics VGA port). 4 Bay mini tower unit with 2x2TB.                      Pre-installed licences include: 5 Workstation clients, 1 DVR/BRS System, 1 CCTV Keyboard, 5 Forensic Search clients and 1 Mobile video service client. Bandwith (read and wirte) 120Mbit/s with 32 cameras. Add Divar IP 6000 for additional storage</p>	No.			
G	<p>Software Channel License per Camera</p>	No.			
<p><b>CARRIED TO COLLECTION AT END OF ELEMENT 1</b></p>		<p><b>US\$</b></p>			
<p> </p>					

ITEM NO.	DESCRIPTION	UNIT	QUANTITY	RATE (US\$)	AMOUNT (US\$)
H	License for Keyboard	No.			
I	Gigabit PoE 4 24 port Managed Switches	No.			
J	Gigabit high speed Router	No.			
K	Monitor, Full LED Backlit 48" 1920*1080 with 2 HDMI, 2USB support.	No.			
L	Monitor, Full LED Backlit 24" 1366*768 with 2 HDMI, 2USB support.	No.			
M	Decoder for Monitors	No.			
N	License for Decoder	No.			
O	Allow for wiring for the above but Cat 6A cables, auxiliaries. Materials and Accessories	Lot			
<b>CARRIED TO COLLECTION AT END OF ELEMENT 1</b>					
<b><u>ELEMENT NO. 1 COLLECTION</u></b>					
	FROM PAGE .....	Page			
	FROM PAGE .....	Above			
<b>TOTAL CARRIED TO THE END OF SECTION - DAYWORKS</b>					<b>US\$</b>

ITEM NO.	DESCRIPTION	UNIT	QUANTITY	RATE (US\$)	AMOUNT (US\$)
<p><b><u>PROPOSED REHABILITATION OF ADMINISTRATION OFFICES BURTLINLE DISTRICT - PUNTLAND STATE - NUGAL REGION</u></b></p>					
<p><b><u>DAYWORKS SCHEDULE</u></b></p>					
<p><b><u>ELEMENT NO. 2 - DRIVE WAY AND PAVING</u></b></p>					
A	Formation, sub-base and concrete paving				
B	Level, grade and compact to 100% minimum B.S., minimum CBR 18% bottoms of excavations for driveways and parking construction to falls and crossfalls.	SM			
C	150 mm road base comprising selected stone and handpacking in position and leveled to receive blinding.	SM			
D	50 mm thick sand blinding.	SM			
<p><i>Cobble stone paving</i></p>					
E	Medium duty loading cobble stones (minimum strength 45N per square mm) laid on and including 50mm sand bed and compacted by surface vibration	SM			
<p><i>Precast concrete kerbs edgings to B.S. 340:1963</i></p>					
F	125 X 250 mm half battered kerb with 125 X 100 mm channel block bedded	LM			
G	Ditto but curved on plan to various radii	LM			
<p><b>TOTAL CARRIED TO THE END OF SECTION - DAYWORKS</b></p>		<p><b>US\$</b></p>			
Empty space for calculations					

ITEM NO.	DESCRIPTION	UNIT	QUANTITY	RATE (US\$)	AMOUNT (US\$)
<p><b><u>PROPOSED REHABILITATION OF ADMINISTRATION OFFICES</u></b>  <b><u>BURTINLE DISTRICT - PUNTLAND STATE - NUGAL REGION</u></b></p>					
<p><b><u>DAYWORKS SCHEDULE</u></b></p>					
<p><b><u>ELEMENT NO. 3 - FOUL DRAINAGE</u></b></p>					
<p><i><u>Inspection chamber consisting of concrete class 20/20 in 100mm thick bed, concrete class 20/20 in benching and channeling for 150mm diameter UPVC pipes(m.s), 150mm thick solid concrete block walling, 150 mm thick suspended slab to top, reinforced with 12m</u></i></p>					
A	600 x 600mm Internally: 1200mm depth	No.			
B	600 x 450mm medium duty man hole covers and frames:	No.			
<p><i><u>Gully trap chamber as per Engineer's detail: consisting of: 150mm class 25 reinforced concrete bed and cover slab: 150mm (average) benching: 50mm class 7 concrete blinding: 150mm masonry walls: 12mm thick (1:3) cement and sand render to sides of walls an</u></i></p>					
C	300 x 300mm internally: 300mm deep	No.			
D	Excavate trenches for pipework : not exceeding I.5m deep : commencing  <i><u>Pipework</u></i>	LM			
E	150mm diameter UPVC pipe  <i><u>Connections</u></i>	LM			
F	Allow for building in ends of pipes into manholes  <i><u>Beds and surrounds</u></i>	No.			
G	150mm bed and pipes surround to pipes 150mm diameter	LM			
<p><b>TOTAL CARRIED TO THE END OF SECTION - DAYWORKS</b></p>		US\$			
<p> </p>					