



Bidding Document for Procurement of Small Works

Procurement of Infrastructure Development projects

Ref No: MOF/SFF-LD/CW/NCB/2017/004

**Project: Special Financing Facility for Local
Development (SFF-LD)**

Employer: Ministry of Finance

Country: Federal Republic of Somalia

Issued on: August 2017

Bill of Quantities

PROPOSED NORTH GALKAIO DISTRICT ADMINISTRATION OFFICE IN GALKAIO, SOMALIA - MUDUG REGION

The complete set of Bill of Quantities for the works are part of the bid documents.

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 Bills of Quantities must be priced in US Dollar currency, i.e. US Dollars and Cents.
11	The bid documents must be priced in ink.

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SECTION NO. 6	PROVISIONAL SUMS
GRAND SUMMARY	

I T E M	ITEM DESCRIPTION	AM OU NT (U S\$)
	PREAMBLE TO BILLS OF QUANTITIES	
A	<p>SUFFICIENCY OF BID</p> <p>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.</p>	
B	<p>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>	-
C	<p>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 Project " Manager/Architect.</p>	

"as directed"	shall mean as directed by the Project Manager/Architect or any other consultant in the contract.
"BS"	Shall mean the current British Standard Specification published by the British Standards Institution
"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.

D PROGRESS SCHEDULE

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.

E FIGURED DIMENSIONS

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.

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**PROVISIONAL
 WORK**

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.

**EXISTING
 SERVICES**

A

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.

C TRANSPORT TO AND FROM THE SITE

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.

D POLICE REGULATIONS

The Contractor is to allow for complying with all instructions and regulations of the Police Authorities.

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CONTRACTORS' SUPERINTENDENCE

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 onsite 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.

A WATER

All water shall be fresh, clean and pure, free from earthy vegetable or organic matter, acid or alkaline substance in solution or suspension. 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.

B LIGHTING AND POWER

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.

C SAFETY

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. The Project Manager/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.

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A PROTECTIVE CLOTHING

The Contractor shall provide all protective or any other special clothing or equipment for their employees that may be necessary. 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

MATERIALS AND WORKMANSHIP

B GENERALLY

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.

C SAMPLES

The Contractor shall furnish at the earliest possible opportunity before work commences and at his own cost, any samples of materials or workmanship 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.

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<p>A</p>	<p>CONCRETE TESTS</p> <p>Concrete test cubes I.e. per set of three as later described, including testing fees, labour and materials, making moulds, transport and handling etc.. and ensuing copies of tests are promptly dispatched to the Project Manager/Architect's and Quantity Surveyor's offices. Successful tests only (Provisional).</p> <p><u>TEMPORARY WORKS</u></p>	<p>-</p>
<p>B</p>	<p>SPACE AND SERVICES FOR THE PROJECT MANAGER/ARCHITECT</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>	<p>-</p>
<p>C</p>	<p>TELEPHONE</p> <p>The Contractor shall provide a telephone connection to the town exchange for the period of the Works, and shall pay all fees and rental for the same. The telephone connection shall remain on site until completion of the works.</p>	<p>-</p>
<p>D</p>	<p>SANITATION</p> <p>The Contractor shall make arrangements for the necessary toilet facilities for their staff and workmen to the requirements and satisfaction of the Health authorities and maintain the same in a thoroughly clean and sanitary condition and pay all conservancy fees during the period of the Works and remove when no longer required.</p>	<p>-</p>
<p>E</p>	<p>PLANT, TOOLS AND SCAFFOLDING</p> <p>The Contractor shall provide all necessary hoists, tackle, plant, vehicles, tools and appliances of on every description for the due and satisfactory completion of the Works and shall remove same completion. 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>-</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. 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. Scaffolding is not measured hereinafter, and the Contractor must allow here or in his rates for the above.

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**A EXISTING AND ADJACENT
PROPERTY**

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.

B WATCHING AND LIGHTING

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.

C SIGNBOARD

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.

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PRIME COST RATES

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.

PROTECTION AND CLEANING

A PROTECTION

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.

B CLEANING

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.

ENVIRONMENTAL AND SOCIAL MANAGEMENT

C ENVIRONMENTAL AND SOCIAL MANAGEMENT

Provide a provisional sum for the costs of implementing the Environmental and Social Management (ESM) 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 pollution, storm water, insecurity and health & 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 & accidents, occupational health & safety. The main activities shall include the monitoring and evaluation & environmental audits during the implementation and decommissioning phases of the project.

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	<u>TOTAL FOR SECTION 1: PRELIMINARIES AND GENERAL ITEMS CARRIED TO GRAND SUMMARY</u>	-
	US\$	

IT E M N O.	DESCRIPTION	U N I T	QUAN TITY	RATE (US\$)	AMOUNT (US\$)
A	<p><u>PROPOSED CONSTRUCTION OF ADMINISTRATION OFFICES NORTH GALKAIO DISTRICT - PUNTLAND STATE - MUDUG REGION</u></p> <p><u>SECTION 2: MAIN BLOCK</u></p> <p><u>ELEMENT NO. 1</u></p> <p><u>SUBSTRUCTURES (PROVISIONAL)</u></p> <p><i><u>Excavations including maintaining and supporting sides and keeping free from water, mud and fallen material</u></i></p> <p>Clear the site of all shrubs, grass and excavate top vegetable</p>				

	soil average depth 200mm and deposit on site as directed	SM	589		
B	Excavate to reduce level overall depth not exceeding 1.50m deep	CM	177		
C	Excavate trench for foundation not exceeding 1.50 meters deep, starting from stripped levels	CM	133		
D	Extra over for rock excavations; trench foundation	CM	13		
E	Excavate for column base not exceeding 1.50 meters	CM	17		
F	Extra over for rock excavations; column base	CM	2		
G	Excavate for conservancy tank	CM	106		
H	Extra over for rock excavations; conservancy tank	CM	11		
	<i><u>Disposal</u></i>				
I	Return, fill and ram selected excavated material around foundations.	CM	256		
J	Load, wheel and cart deposit and spread surplus excavated material where directed on site at a distance not exceeding 100 meters	CM	177		
	<i><u>Hardcore or other approved filling, as described</u></i>				
K	300mm thick well compacted hardcore filling blinded with 25mm thick quarry dust layer to receive surface bed	CM	365		

	<u>Anti-termite treatment</u>				
L	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	589		
	<u>Damp-proof membrane</u>				
M	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	589		
	CARRIED TO COLLECTION AT END OF ELEMENT 1	US			
		\$			

	<u>Plain concrete class 15 in:</u>			
N	50mm blinding under strip footing	SM	155	
O	50mm blinding under column bases	SM	17	
	<u>Reinforced concrete class (20) as described, in:-</u>			
P	Strip footing	CM	74	
Q	Column bases	CM	5	
R	Foundation columns	CM	3	
S	Ramp and Steps	SM	5	
T	150mm Thick surface bed laid in bays including all necessary formwork	SM	589	
U	200mm Thick RC wall to sides of conservancy tank	CM	22	
	<u>Reinforcement, as described:-[PROVISIONAL]</u>			
	<u>High yield square twisted reinforcement bars to B.S 4461</u>			
A	8mm bars	Kg	84	
B	10mm bars	Kg	3,08 6	
C	12mm bars	Kg	267	
D	16mm bars	Kg	230	
	<u>Mesh fabric reinforcement to B.S 4483 and setting in concrete with 300mm side and end laps</u>			

	<i>(measured nett-allow for laps).</i>			
E	Fabric ref. A142 weighing 2.22kg/ sq.metre, in surface bed.	SM	589	
	<u>Sawn formwork as described to:-</u>			
F	To sides of strip footing	SM	148	
G	To sides of foundation columns	SM	38	
H	To sides of column base	SM	84	
I	To sides of ramp and steps	SM	9	
J	To edge of ramp and slabs over 75mm but not exceeding 150mm high	LM	101	
K	Form work to sides of conservancy tank RC wall	SM	216	
L	Form work to soffits of suspended slab for conservancy tank	SM	50	
	CARRIED TO COLLECTION AT END OF ELEMENT 1	US\$		

	- <i>Walling in natural coursed stone obtained from an approved quarry, bedded and jointed in gauged mortar (1:3)</i>				
M	400mm wide	SM	120		
N	200mm wide	SM	192		
	<i>Damp-proof courses, as described, to walls</i>				
O	400mm wide	LM	99		
P	200mm wide	LM	147		
	CARRIED TO COLLECTION AT END OF ELEMENT 1	US\$			
	<u>ELEMENT NO. 1 COLLECTION</u>				
	FROM PAGE	2/1			
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	TOTAL CARRIED TO THE END OF SECTION 2	US\$			

	<u>PROPOSED CONSTRUCTION OF ADMINISTRATION OFFICES</u> <u>NORTH GALKAIO DISTRICT - PUNTLAND STATE - MUDUG REGION</u>				
	<u>SECTION 2: MAIN BLOCK</u>				
	<u>ELEMENT NO. 2</u>				
	<u>REINFORCED CONCRETE FRAME</u>				
	<i>Reinforced concrete class 25, as described in:-</i>				
A	Beams and ring beam	CM	20		

B	Columns	CM	5	
	<i>Reinforcement, as described (PROVISIONAL)</i>			
	<i>High yield square twisted reinforcement to BS 4461</i>			
C	8mm ditto	Kg	1,07 5	
D	12mm ditto	Kg	813	
E	16mm ditto	Kg	1,54 2	
	<i>Sawn formwork, as described, to:-</i>			
F	Sides and soffits of beams	SM	262	
G	Sides of columns	SM	68	
	<u>TOTAL CARRIED TO THE END OF SECTION 2</u>	US		
		\$		

PROPOSED CONSTRUCTION OF ADMINISTRATION OFFICES

NORTH GALKAIO DISTRICT - PUNTLAND STATE - MUDUG REGION

SECTION 2: MAIN BLOCK

ELEMENT NO. 3

WALLING

Natural hard approved machine cut quarry stone walling from approved quarry with a crushing strength of 5.0 N/mm² bedded and jointed in cement and sand (1:4) mortar, reinforcement with and including 25mm wide x 20 gauge hoop iron at every alternate course as described in:

A	400mm thick walling externally	SM	18 2
B	200mm thick walling internally	SM	47 0
	<i>Partitioning</i>		
C	2300mm High, 100mmThick MDF partitions - <u>Ventilation blocks.</u>	SM	55
D	400mm Thick PC permanent ventilation blocks	SM	18
E	200mm Thick PC permanent ventilation blocks	SM	7
	TOTAL CARRIED TO THE END OF SECTION 2	US\$	

PROPOSED CONSTRUCTION OF ADMINISTRATION OFFICES
NORTH GALKAIO DISTRICT - PUNTLAND STATE - MUDUG REGION

SECTION 2: MAIN BLOCK

ELEMENT NO. 4

ROOF CONSTRUCTION AND FINISHES

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

In sawn treated cypress Grade 2

A	100x50mm King post	LM	19	-	-
B	150x50mm rafters	LM	525	-	-
C	100x50mm strut or tie	LM	354	-	-
D	100 x 50mm thick tie beam	LM	20	-	-
E	100x50mm wall plate fixed with and including 200mm long 12mm diameter rag bolts cast into beam at 1500mm centres	LM	100	-	-
	<i>Corrugated GI sheets gauge 32, 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	606	-	-
G	Corrugated translucent PVC sheet roof lights to architects detail	SM	23	-	-

	<u>Rain water goods</u>				
G	32 gauge mild steel rain water box gutter 450mm girth one edge tucked under roof cover	LM	62		
H	100mm girth 32 gauge mild steel down pipe	LM	25		
I	Extra over shoe	No.	4		
J	Extra over for swan	No.	4		
	TOTAL CARRIED TO THE END OF SECTION 2	US\$			
	-				

	<p><u>PROPOSED CONSTRUCTION OF ADMINISTRATION OFFICES</u> <u>NORTH GALKAIO DISTRICT - PUNTLAND STATE - MUDUG REGION</u></p> <p><u>SECTION 2: MAIN BLOCK</u></p> <p><u>ELEMENT NO. 5</u></p> <p><u>FINISHES</u></p> <p><u>15 mm cement and sand (1:3) render, finished with woodfloat to:-</u></p>				
A	Concrete or masonry surfaces externally	SM	318		
	<u>12mm (minimum) two coat lime plaster as described to</u>				
B	Concrete or masonry surfaces internally	SM	1,046		
	<u>Floor Finishes</u>				
	<u>Cement and sand (1:3) screeds, backings, beds etc</u>				

C	20mm thick screed to receive floor tiles <u>Ceramic floor tiles</u>	SM	481	
D	300mm x 300mm non-ceramic floor tiles	SM	481	
E	100mm High skirting <u>Ceiling finishes</u>	LM	375	
F	12mm Thick chip-boarding ceiling on 50X50mm cypress bandering 50X50mm cypress	SM	325	
G	100x25mm cornice plugged <u>Steel handrail</u>	LM	314	
H	1000mm High, 75mm Diameter chrome plated steel handrail on M.S balustrades to fabricators detail <u>Painting and decorating</u> <u>Prepare and apply three coats first quality emulsion paint on:-</u>	LM	8	
I	Plastered walls externally <u>Prepare and apply three coats first quality silk vinyl emulsion paint on:-</u>	SM	318	
J	Plastered surfaces internally CARRIED TO COLLECTION AT END OF ELEMENT 5	SM US\$	1,04 6	

	<u>Prepare and apply three coats first quality emulsion</u>			
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	<u>paint on:-</u>			
K	2300mm High, 100mmThick MDF partitions	SM	55	
L	Chipboard ceiling	SM	325	
M	100X25mm cornice plugged	LM	314	
	<u>Prepare and apply three coats matt gloss paint to steel grill:</u>			
N	1000mm High, 75mm Diameter chrome plated steel handrail on M.S both sides	SM	8	
O	5000mm X 1500mm planter in the corridor	No	3	
	<u>Plinth finish</u>			
P	12 mm thick cement/sand (1:4) rendering to stone wall externally	SM	70	
Q	Prepare and apply three coats of bituminous paint to rendered walls externally	SM	70	
R	12mm Thick cement sand plaster to conservancy tank walls internally including water proof chemicals.	SM	113	
S	12mm Thick cement sand plaster to suspended slab in conservancy tank internally including water proof chemicals.	SM	50	
	CARRIED TO COLLECTION AT END OF ELEMENT 5			US\$
	<u>ELEMENT NO. 5 COLLECTION</u>			
	FROM PAGE			2/7
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	TOTAL CARRIED TO THE END OF SECTION 2			US\$

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<p><u>PROPOSED CONSTRUCTION OF ADMINISTRATION OFFICES NORTH GALKAIO DISTRICT - PUNTLAND STATE - MUDUG REGION</u></p> <p><u>SECTION 2: MAIN BLOCK</u></p> <p><u>ELEMENT NO. 6</u></p> <p><u>WINDOWS</u></p> <p><i><u>Precast concrete class 20 fair faced all exposed surfaces bedded and jointed cement and sand (1:4 mortar)</u></i></p>					
A	<p>In-situ moulded concrete window cill size 250X560mm think weathered and throated and jointed in mortar (1:4)</p> <p><i><u>Aluminium windows</u></i></p> <p><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></p>	LM	50		
B	Window size 3500x1800mm high	No.	8		
C	Window size 2400x1800mm high	No.	2		
D	Window size 2100x1800mm high	No.	5		
E	Window size 1800x800mm high	No.	2		
F	Window size 1200x800mm high	No.	1		
	<i><u>In-wrot mahogany</u></i>				

G	125x25mm window board, plugged, screwed and pelleted	LM	50		
H	20x20mm quadrant beading plugged	LM	50		
	<i>Anodized brass coated aluminium:</i>				
I	Heavy duty overlapping double curtain rail complete with rollers, clips and stopped ends	LM	50		
	TOTAL CARRIED TO THE END OF SECTION 2	US\$			

	<u>PROPOSED CONSTRUCTION OF ADMINISTRATION OFFICES</u>	-	-		
	<u>NORTH GALKAIO DISTRICT - PUNTLAND STATE - MUDUG REGION</u>	-	-		
	<u>SECTION 2: MAIN BLOCK</u>	-	-		
	<u>ELEMENT NO. 7</u>	-	-		
	<u>DOORS</u>	-	-		
	<i>50mm thick mahogany panel doors to Project Manager/Architect's approval</i>	-	-		
A	50mm thick door overall size 1000x2100mm high	No.	12		
	<i>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</i>				

B	1000x2100mm high	No.	3		
C	Ditto but 900x2100mm high	No.	12		
	<i><u>In-wrot mahogany</u></i>				
D	150x50mm moulded door frame with 4 labours including fixing dowels and cramps	LM	102		
E	50x25mm architrave	LM	102		
F	25mm quadrant	LM	102		
	<i><u>Painting and decoration</u></i>				
	<i><u>Knot, prime, stop and apply 3coats polyurethane clear varnish:</u></i>				
G	General surface of doors internally	SM	54		
H	General surface of doors externally	SM	54		
I	Wooden surface 200 - 300mm girth	LM	102		
J	Wooden surface 0 - 100mm girth	LM	102		
	<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	41		
L	5level mortise door lock	No	12		
M	2 Level mortise door lock	No	17		
N	Rubber door stop plugged to concrete floor	No	17		
	TOTAL CARRIED TO THE END OF SECTION 2	US\$			

	<u>PROPOSED CONSTRUCTION OF</u>	-	-	-	-
--	--	---	---	---	---

ADMINISTRATION OFFICES
NORTH GALKAIO DISTRICT - PUNTLAND
STATE - MUDUG REGION

SECTION 2: MAIN BLOCK

ELEMENT NO. 8

PLUMBING INSTALLATION & SERVICES

SANITARY WARE

Take delivery and Install Only the following appliances

WC suite

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. 11

Vanity Wash-hand basin

B White countertop wash- hand basin size 500x410mm with one central taphole,.Basin to be as Twyfords Refresh

No. 5

C 32mm trap

No. 3

Angle Valves

D 1/2" Chrome plated angle regulating valve with 350 mm long service connection

No. 1

Testing & Commissioning

E Allow for setting to work, testing and commissioning.

Item

- - - -
- - - -
- - - -
- - - -
- - - -
- - - -
- - - -

INTERNAL PLUMBING			
<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</i>			
<i>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	11
B	50mm diameter PPR Pipes surface mounted	LM	30
C	75mm diameter PPR Pipes surface mounted	LM	24
<i>Extra over PPR tubing for the following:</i>			
D	40mm diameter PPR 90° elbow	No.	6
CARRIED TO COLLECTION AT END OF ELEMENT 8		US\$	

	<u>Tees</u>				
E	40mm diameter PPR equal tee	No.	18		
	<u>Reducer Tees</u>				
F	40x32mm diameter PPR reducer coupling	No.	14		
	<u>Gate Valves</u>				
G	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			
	CARRIED TO COLLECTION AT END OF ELEMENT 8	US\$			
	<u>ELEMENT NO. 8 COLLECTION</u>				
	FROM PAGE	2/11			
	FROM PAGE	Above			
	TOTAL CARRIED TO THE END OF SECTION 2	US\$			

	<p align="center"><u>PROPOSED CONSTRUCTION OF ADMINISTRATION OFFICES NORTH GALKAIO DISTRICT - PUNTLAND STATE - MUDUG REGION</u></p> <p align="center"><u>SECTION 2: MAIN BLOCK</u></p> <p align="center">ELEMENT NO. 9</p> <p align="center">ELECTRICAL INSTALLATIONS & SERVICES</p> <p align="center"><i>Supply, install, test and commission the following:</i></p> <p align="center">LIGHTING POINTS</p>			-	-
A	<p>Lighting point wired in 3 x 1.5mm² SC-PVC – Cu cables drawn in 20mm diameter HG PVC conduits concealed inside ceiling complete with all necessary accessories excluding switches and fittings.</p>	No.	47		
B	<p>Bell point points wired in 3x1.5mm² PVC insulated single core (SC) copper wires drawn in 20mm dia. HG PVC conduit</p> <p><i>10A moulded ivory switch plates as Crabtree or approved equivalent as follows:</i></p>	No.	1		
C	<p>Single pole switch</p>	No.	15		
D	<p>Two gang switch</p> <p align="center">LIGHTING FITTINGS</p> <p align="center"><i>Light fitting complete with fixing accessories and lamps as follows:</i></p>	No.	6		

E	<p>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</p>	No.	40	
F	<p>10 A 3-plate ceiling mounted light fixture complete with rose, BC lamp holder and flexible cord.</p>	No.	1	
G	<p>Flood lamps</p>	No.	6	
SOCKET OUTLETS AND POWER POINTS				
H	<p>Duplex receptacle point comprising wiring in 3 x 2.5mm²PVC-SCCu cables in concealed in 20mm HG PVC conduits.</p>	No.	32	
CONSUMER UNITS/DISTRIBUTION BOARDS				
I	<p>8-way S/N consumer unit flush mounted on wall complete with a 100A SP/N integral isolator as CRABTREE or approved equivalent</p>	No.	1	
CARRIED TO COLLECTION AT END OF ELEMENT 8		US \$		

	<u>Single pole Miniature Circuit Breakers to fit into the above consumer unit as follows:</u>				
J	5A SP	No .	1		
K	20A SP	No .	1		
L	Blanking plates	No .	1		
SUB-MAINS CABLES AND OTHER ITEMS					
A	3 X 16.0mm ² 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 ² 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	Contingency sum for electrical works	Item		
<p>CARRIED TO COLLECTION AT END OF ELEMENT 8 <u>ELEMENT NO. 9 COLLECTION</u></p> <p>FROM PAGE </p> <p>FROM PAGE </p> <p>TOTAL CARRIED TO THE END OF SECTION 2</p>		<p>U S\$</p> <p>2/ 13 Ab ov e U S\$</p>		

**PROPOSED CONSTRUCTION OF
ADMINISTRATION OFFICES
NORTH GALKAIO DISTRICT - PUNTLAND STATE
- MUDUG REGION**

SECTION 2: MAIN BLOCK

MAIN SUMMARY

<u>ELEMENT NO.</u>	<u>TITLE</u>	<u>PAGE</u>
1	SUBSTRUCTURE REINFORCED CONCRETE	2/3
2	FRAME	2/4
3	WALLING ROOF CONSTRUCTION	2/5
4	AND FINISHES	2/6
5	FINISHES	2/8
6	WINDOWS	2/9
7	DOORS PLUMBING & DRAINAGE	2/10
8	INSTALLATIONS ELECTRICAL	2/12
9	INSTALLATIONS	2/14

**TOTAL FOR SECTION 2: MAIN BLOCK -
CARRIED TO GRAND SUMMARY**

US\$

-

ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE (US\$)	AMOUNT (US\$)
	<p align="center"><u>PROPOSED CONSTRUCTION OF ADMINISTRATION OFFICES NORTH GALKAIO DISTRICT - PUNTLAND STATE - MUDUG REGION</u></p> <p align="center"><u>SECTION 3: GATE HOUSE</u></p> <p align="center"><u>ELEMENT NO. 1</u></p> <p align="center"><u>SUBSTRUCTURES (PROVISIONAL)</u></p> <p align="center"><i><u>Excavations including maintaining and supporting sides and keeping free from water, mud and fallen material</u></i></p>				
A	Clear the site of all shrubs, grass and excavate top vegetable soil average depth 200mm and deposit on site as directed	SM	13		
B	Excavate to reduce level overall depth not exceeding 1.5m deep	CM	4		
C	Excavate trench for foundation not exceeding 1.50 meters deep, starting from stripped levels	CM	3		
D	<p align="center"><i><u>Disposal</u></i></p> Return, fill and ram selected excavated material around foundations.	CM	4		
E	Load, wheel and cart deposit and spread surplus excavated	CM	10		

	material where directed on site at a distance not exceeding 100 meters				
	<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	CM	5		
	<u>Anti-termite treatment</u>				
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	13		
	<u>Damp-proof membrane</u>				
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	13		
	<u>Plain concrete class 15 in:</u>				
I	50mm blinding under strip footing	SM	11		
	<u>Reinforced concrete class (20) as described, in:-</u>				
J	Strip footing	CM	2		
K	150mm Thick surface bed laid in bays including all necessary formwork	SM	13		
	CARRIED TO COLLECTION AT END OF ELEMENT 1	US\$			

	<u>Reinforcement, as described:-[PROVISIONAL]</u>			
	<u>High yield square twisted reinforcement bars to B.S 4461</u>			
A	8mm bars	Kg	30	
B	12mm bars	Kg	66	
	<u>Mesh fabric reinforcement to B.S 4483 and setting in concrete with 300mm side and end laps (measured nett-allow for laps).</u>			
C	Fabric ref. A142 weighing 2.22kg/ sq.metre, in surface bed.	SM	13	
	<u>Sawn formwork as described to:-</u>			
D	To sides of strip footing	SM	8	
E	To edge of ramp and slabs over 75mm but not exceeding 150mm high	LM	15	
	<u>Walling in natural coursed stone obtained from an approved quarry, bedded and jointed in gauged mortar (1:3)</u>			
F	200mm wide	SM	10	
	<u>Damp-proof courses, as described, to walls</u>			
G	200mm wide	LM	17	
	CARRIED TO COLLECTION AT END OF ELEMENT			
1		US\$		

<u>ELEMENT NO. 1 COLLECTION</u>				
FROM PAGE				
FROM PAGE				
TOTAL CARRIED TO THE END OF SECTION 3		US\$		

<u>PROPOSED CONSTRUCTION OF</u>				
<u>ADMINISTRATION OFFICES</u>				
<u>NORTH GALKAIO DISTRICT - PUNTLAND STATE -</u>				
<u>MUDUG REGION</u>				
<u>SECTION 3: GATE HOUSE</u>				
<u>ELEMENT NO. 2</u>				
<u>REINFORCED CONCRETE FRAME</u>				
<i><u>Reinforced concrete class 25, as described in:-</u></i>				
A	Beams and ring beam	CM	2	
B	150mm Thick suspended floor slab	CM	13	
<i><u>Reinforcement, as described (PROVISIONAL)</u></i>				
<i><u>High yield square twisted reinforcement to BS 4461</u></i>				
C	8mm ditto	Kg	45	
D	10mm ditto	Kg	120	
E	12mm ditto	Kg	66	
<i><u>Sawn formwork, as described, to:-</u></i>				
F	Sides and soffits of beams	SM	19	

G	Soffitts of suspended slab	SM	10		
H	Edges of suspended slab 150mm high	LM	15		
	<u>TOTAL CARRIED TO THE END OF SECTION 3</u>	US\$			

<p><u>- PROPOSED CONSTRUCTION OF ADMINISTRATION OFFICES</u> <u>NORTH GALKAIO DISTRICT - PUNTLAND STATE - MUDUG REGION</u> <u>SECTION 3: GATE HOUSE</u> <u>ELEMENT NO. 3</u> <u>WALLING</u></p> <p><i><u>Natural hard approved machine cut quarry stone walling</u></i> <i><u>from approved quarry with a crushing strength of 5.0 N/mm²</u></i> <i><u>bedded and jointed in cement and sand (1:4) mortar,</u></i> <i><u>reinforcement with and including 25mm wide x 20 gauge hoop iron at every alternate course as described in:</u></i></p>					
A	200mm thick walling externally	S M	38		
B	200mm thick walling internally <u>Ventilation blocks.</u>	S M	14		
C	200mm Thick PC permanent ventilation blocks	S M	1		
	<u>TOTAL CARRIED TO THE END OF SECTION 3</u>	US\$			

<p><u>- PROPOSED CONSTRUCTION OF ADMINISTRATION OFFICES</u> <u>NORTH GALKAIO DISTRICT - PUNTLAND STATE - MUDUG REGION</u></p>					
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SECTION 3: GATE HOUSE

ELEMENT NO. 4

FINISHES

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

A Concrete or masonry surfaces externally SM 4
4

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

B Concrete or masonry surfaces internally SM 6
9

Floor Finishes

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

C 20mm thick screed to receive floor tiles SM 1
0

Ceramic floor tiles

D 300mm x 300mm non-ceramic floor tiles SM 1
0

E 100mm High skirting LM 1
8

Ceiling finishes

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

F Concrete surfaces internally SM 1
0

Painting and decorating

Prepare and apply three coats first quality emulsion

	<u>paint on:-</u>			
G	Plastered walls externally	SM	4 4	
	<u>Prepare and apply three coats first quality silk vinyl emulsion paint on:-</u>			
H	Plastered surfaces internally	SM	6 9	
	<u>Prepare and apply three coats first quality emulsion paint on:-</u>			
I	Plastered soffites of suspended floor slab	SM	1 0	
	TOTAL CARRIED TO THE END OF SECTION 3	US		
		\$		

PROPOSED CONSTRUCTION OF ADMINISTRATION OFFICES
NORTH GALKAIO DISTRICT - PUNTLAND STATE - MUDUG REGION

SECTION 3: GATE HOUSE

ELEMENT NO. 5

WINDOWS

Precast concrete class 20 fair faced all exposed surfaces bedded and jointed cement and sand (1:4 mortar)

A	In-situ moulded concrete window cill size 250X560mm thick weathered and throated and jointed in mortar (1:4)	LM	3
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Aluminium windows

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.

B	Window size 1500x1600mm high	No.	1
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C	Window size 800x800mm high	No.	1
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In-wrot mahogany

D	125x25mm window board, plugged, screwed and pelleted	LM	3
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E	20x20mm quardrant beading plugged	LM	3
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Anodized brass coated aluminium:

F	Heavy duty overlapping double curtain rail complete with rollers, clips and stopped ends	LM	3
---	--	----	---

TOTAL CARRIED TO THE END OF SECTION 3

US \$

	<u>PROPOSED CONSTRUCTION OF ADMINISTRATION OFFICES</u>	-	-		
	<u>NORTH GALKAIO DISTRICT - PUNTLAND STATE - MUDUG REGION</u>	-	-		
	<u>SECTION 3: GATE HOUSE</u>	-	-		
	<u>ELEMENT NO. 6</u>	-	-		
	<u>DOORS</u>	-	-		
	<i><u>50mm thick mahogany panel doors to Project Manager/Architect's approval</u></i>	-	-		
A	50mm thick door overall size 900x2400mm 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	900x2100mm high	No.	1		
	<i><u>In-wrot mahogany</u></i>				
D	150x50mm moulded door frame with 4 labours including fixing dowels and cramps	LM	11		
E	50x25mm architrave	LM	11		
F	25mm quadrant	LM	11		
	<i><u>Painting and decoration</u></i>				
	<i><u>Knot, prime, stop and apply 3coats polyurethane clear varnish:</u></i>				
G	General surface of doors internally	SM	4		
H	General surface of doors externally	SM	4		

I	Wooden surface 200 - 300mm girth	LM	11		
J	Wooden surface 0 - 100mm girth	LM	11		
	<u>Supply delivery and fix the following ironmongery with matching screws</u>				
K	In pairs, 100 x50mm medium duty brass butt hinges	PR	3		
L	5level mortise door lock	No	1		
M	2 Level mortise door lock	No	1		
N	Rubber door stop plugged to concrete floor	No	2		
	TOTAL CARRIED TO THE END OF SECTION 3	US\$			

<u>PROPOSED CONSTRUCTION OF ADMINISTRATION OFFICES</u> <u>NORTH GALKAIO DISTRICT - PUNTLAND STATE - MUDUG REGION</u>		-	-	-	-
<u>SECTION 3: GATE HOUSE</u>		-	-	-	-
<u>ELEMENT NO. 7</u>		-	-	-	-
<u>PLUMBING INSTALLATION & SERVICES</u>		-	-	-	-
SANITARY WARE				-	-
<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.	1		
<i>Vanity Wash-hand basin</i>					
B	White countertop wash- hand basin size 500x410mm with one central taphol. Basin to be as Twyfords Refresh	No.	1		
C	32mm trap	No.	1		
<i>Angle Valves</i>					
D	1/2" Chrome plated angle regulating valve with 350 mm long service connection	No.	1		
<i>Testing & Commissioning</i>					

E	Allow for setting to work, testing and commissioning.	Item			
	INTERNAL PLUMBING				
	<u>Supply, deliver and install PPR pipes and fittings for sizes upto 2" - SDR 13.5 and for sizes above 2" upto 4"- Schedule 40</u>				
	<u>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.</u>				
	<u>Cold Water</u>				
A	50mm diameter PPR Pipes surface mounted	LM	1		
B	40mm diameter PPR Pipes surface mounted	LM	3		
	<u>Extra over PPR tubing for the following:</u>				
C	40mm diameter PPR 90° elbow	No.	1		
	CARRIED TO COLLECTION AT END OF ELEMENT 7	US \$			

	<u>Tees</u>				
D	40mm diameter PPR equal tee	No.	1		
	<u>Reducer Tees</u>				
E	50x40mm diameter PPR reducer coupling	No.	1		
F	40x32mm diameter PPR reducer coupling	No.	2		
	<u>Gate Valves</u>				
G	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.	1		
H	Water Check meter	No.	1		
I	Contingency sum for plumbing works	Item			
	CARRIED TO COLLECTION AT END OF ELEMENT 7	US\$			
	FROM PAGE	3/8			
	FROM PAGE	Above			
	TOTAL CARRIED TO THE END OF SECTION 3	US\$			
	-				

PROPOSED CONSTRUCTION OF ADMINISTRATION OFFICES
NORTH GALKAIO DISTRICT - PUNTLAND STATE - MUDUG REGION

SECTION 3: GATE HOUSE

ELEMENT NO. 8

ELECTRICAL INSTALLATIONS & SERVICES

Supply, install, test and commission the following:

LIGHTING POINTS

A Lighting point wired in 3 x 1.5mm² SC-PVC – Cu cables drawn in 20mm diameter HG PVC conduits concealed inside ceiling complete with all necessary accessories excluding switches and fittings.

No. 6

B Bell point points wired in 3x1.5mm² PVC insulated single core (SC) copper wires drawn in 20mm dia. HG PVC conduit

No. 1

10A moulded ivory switch plates as Crabtree or approved equivalent as follows:

C Single pole switch

No. 1

D Three gang switch

No. 1

LIGHTING FITTINGS

Light fitting complete with fixing accessories and lamps as follows:

A 1200mm 1 x 36w Fluorescent batten fitting of slim cross-section

No. 1

-

-

	with clip-on cover plate and adjustable end ca system. As Thorn Popular Pack Batten or approved equivalent			
B	10 A 3-plate ceiling mounted light fixture complete with rose, BC lamp holder and flexible cord.	No.	2	
C	Flood lamps	No.	1	
D	Wall mounted light fixture	No.	1	
SOCKET OUTLETS AND POWER POINTS				
E	Duplex receptacle point comprising wiring in 3 x 2.5mm ² PVC-SCCu cables in concealed in 20mm HG PVC conduits.	No.	1	
CONSUMER UNITS/DISTRIBUTION BOARDS				
F	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	
CARRIED TO COLLECTION AT END OF ELEMENT 7		US\$		

SUB-MAINS CABLES AND OTHER ITEMS					
A	Door bell point wired in 3 x 1.5 sq.mm cables in conduit	No.	1		
B	Electric bell/chime to Project Manager/Architect's's approval	No.	1		
C	Test the completed lightning protection system and log in results	Item			
<u>CARRIED TO COLLECTION AT END OF ELEMENT 8</u>		US\$			
<u>ELEMENT NO. 9 COLLECTION</u>					
	FROM PAGE				
		2/13		
	FROM PAGE				
		Above		
TOTAL CARRIED TO THE END OF SECTION 3		US\$			
-	-	-			

<u>PROPOSED CONSTRUCTION OF ADMINISTRATION OFFICES</u>					
<u>NORTH GALKAIO DISTRICT - PUNTLAND STATE - MUDUG REGION</u>					
<u>SECTION 3: GATE HOUSE</u>					
<u>MAIN SUMMARY</u>					
<u>ELEMENT NO.</u>	<u>TITLE</u>		<u>PAGE</u>		
1	SUBSTRUCTURE REINFORCED CONCRETE		3/2		
2	FRAME		3/3		
3	WALLING		3/4		
4	FINISHES		3/5		

5	WINDOWS		3/6		
6	DOORS		3/7		
7	PLUMBING & DRAINAGE INSTALLATIONS		3/9		
8	ELECTRICAL INSTALLATIONS		3/11		
<u>TOTAL FOR SECTION 3: GATE HOUSE - CARRIED TO GRAND SUMMARY</u>		US \$			

IT E M N O.	DESCRIPTION	U N I T	QUAN TITY	RATE (US\$)	AMOUNT (US\$)
	<u>PROPOSED CONSTRUCTION OF ADMINISTRATION OFFICES NORTH GALKAIO DISTRICT - PUNTLAND STATE - MUDUG REGION</u>				
	<u>SECTION 4: EXTERNAL WORKS</u>				
	<u>ELEMENT NO. 1</u>				
	<u>BOUNDARY WALL AND GATE</u>				
	<u>BOUNDARY WALL</u>				
	<i>Excavations</i>				
A	Excavate trenches for strip footing not exceeding 1.5m deep commencing at ground level	CM	159		
B	- Ditto for column/pier bases not exceeding 1.5mm deep	CM	7		
	<i>Disposal</i>				

C	Return, fill and ram selected excavated material around foundations	CM	88		
D	Wheel away, spread level and compact excavated materials as directed on site	CM	78		
	<u>Concrete Works</u>				
	<u>50mm thick mass concrete (1:3:6) class 15/20 in blinding under:</u>				
E	Strip footing	SM	106		
F	Ditto but to column bases	SM	12		
	<u>Normal; Class 30: Vibrated</u>				
G	Strip foundation	CM	27		
	<u>Supply and fix the following reinforcement bars including cutting, bending, hooking, tying and supporting as required</u>				
	<u>high yield square twisted reinforcement bars to B.S 4461</u>				
H	8mm Diameter	Kg	16		
I	12mm Ditto	Kg	517		
	<u>Formwork as described to:-</u>				
J	Strip footing: vertical sides	SM	66		
K	Column bases	SM	16		
	CARRIED TO COLLECTION AT END OF ELEMENT 1	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>			
L	200 mm thick substructure walling	SM	166	
M	ditto: superstructure	SM	301	
N	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	17	
O	600 X 600 X 2700mm High, masonry piers superstructure	LM	41	
P	600 X 600 X 1650mm High, masonry piers substructure	LM	25	
	<u>Pre-cast concrete coping</u>			
Q	450 X 450 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	99	
R	650 x 650 x 50mm Pier caps ditto	No.	15	
	<u>Finishes</u>			
	<u>12mm (minimum) two coat lime plaster as described to:</u>			
S	Concrete surfaces	SM	26	
T	Keying and pointing to 400mm Thick boundary wall externally	SM	301	

U	Keying and pointing to 400mm Thick boundary wall internally	SM	301		
	<i>Prepare and apply three coats of textured paint to:</i>				
V	Concrete surfaces	SM	26		
W	Keying and pointing to 400mm Thick boundary wall externally	SM	301		
X	Keying and pointing to 400mm Thick boundary wall internally	SM	301		
	CARRIED TO COLLECTION AT END OF ELEMENT 1	US\$			

A	<p><u>GATE</u></p> <p>Framed metal gate in two equal leaves: overall size 5700 x 2300mm 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 CARRIED TO COLLECTION AT END OF ELEMENT 1 <u>ELEMENT NO. 1 COLLECTION</u> FROM PAGE FROM PAGE FROM PAGE</p> <p>TOTAL CARRIED TO THE END OF SECTION 4</p>	No.	2		
		US\$			
		4/1			
		4/2			
		Above			
		e			
		US\$			

<p align="center"><u>PROPOSED CONSTRUCTION OF ADMINISTRATION OFFICES</u> <u>NORTH GALKAIO DISTRICT - PUNTLAND STATE - MUDUG REGION</u></p> <p align="center"><u>SECTION 4: EXTERNAL WORKS</u></p> <p align="center"><u>MAIN SUMMARY</u></p> <table border="0"> <tr> <td align="center"><u>ELEMENT NO.</u></td> <td align="center"><u>TITLE</u></td> <td align="center"><u>PAGE</u></td> </tr> <tr> <td align="center">1</td> <td align="center">BOUNDARY WALL AND GATE</td> <td align="center">4/3</td> </tr> </table> <p align="center"><u>TOTAL FOR SECTION 4: EXTERNAL WORKS - CARRIED TO GRAND SUMMARY</u></p>			<u>ELEMENT NO.</u>	<u>TITLE</u>	<u>PAGE</u>	1	BOUNDARY WALL AND GATE	4/3	<p>US \$</p>	<p>-</p>
<u>ELEMENT NO.</u>	<u>TITLE</u>	<u>PAGE</u>								
1	BOUNDARY WALL AND GATE	4/3								

ITEM NO.	DESCRIPTION	UNIT	QUANTITY	RATE (US\$)	AMOUNT (US\$)
	<p align="center"><u>PROPOSED CONSTRUCTION OF ADMINISTRATION OFFICES</u> <u>NORTH GALKAIO DISTRICT - PUNTLAND STATE - MUDUG REGION</u></p> <p align="center"><u>SECTION 5: SEPTIC TANK</u></p> <p align="center"><u>ELEMENT NO. 1</u></p> <p align="center"><u>SUBSTRUCTURES (PROVISIONAL)</u></p> <p align="center"><i>Excavations including maintaining and supporting sides and keeping free from water, mud and fallen material</i></p>				

A	Clear the site of all shrubs, grass and excavate top vegetable soil average depth 200mm and deposit on site as directed	S M	11		
B	Bulk excavation to reduce level overall depth not exceeding 1.5m deep	C M	115		
C	Bulk excavation to reduce level overall depth not exceeding 3m deep	C M	3		
D	Excavate trench for foundation not exceeding 1.50 meters deep, starting from stripped levels	C M	1		
E	Extra over for rock excavations	C M	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	C M	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	S M	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)	S M	11		
	<i>Plain concrete class 15 in:</i>				
I	50mm blinding under strip footing	S M	11		
	<i>Reinforced concrete class (20) as described, in:-</i>				
J	Baffle beam	C M	1		
K	Strip footing	C M	3		
	CARRIED TO COLLECTION AT END OF ELEMENT 1	U S\$			

L	150mm thick bottom slab laid in bays including all necessary formwork	SM	11		
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M	150mm thick top slab laid in bays including all necessary formwork	SM	9	
	<u>French drain</u>			
N	Excavate a french drain 900mm deep and fill it with tar paper over 10mm gabs, 600mm high hadcore filling, and 200mm high, compacted murrum	No.	1	
	<u>Reinforcement, as described:-[PROVISIONAL]</u>			
	<u>High yield square twisted reinforcement bars to B.S 4461</u>			
A	8mm bars	Kg	9	
B	10mm bars	Kg	211	
C	12mm bars	Kg	126	
	<u>Mesh fabric reinforcement to B.S 4483 and setting in concrete with 300mm side and end laps (measured nett-allow for laps).</u>			
D	Fabric ref. A142 weighing 2.22kg/ sq.metre, in surface bed.	SM	11	
	<u>Sawn formwork as described to:-</u>			
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	
	CARRIED TO COLLECTION AT END OF ELEMENT 1	US\$		
	-			

	<p><i>Walling in natural coursed stone obtained from an approved quarry, bedded and jointed in gauged mortar (1:3)</i></p>				
H	<p>200mm thick walling</p>	SM	20		
	<p><i>Damp-proof courses, as described, to walls</i></p>				
I	<p>200mm wide</p>	LM	19		
	<p>CARRIED TO COLLECTION AT END OF ELEMENT 1</p>	US\$			
	<p><u>ELEMENT NO. 1 COLLECTION</u></p>				
	<p>FROM PAGE</p>		5/1		
	<p>FROM PAGE</p>		5/2		
	<p>FROM PAGE</p>		Above		
	<p>TOTAL CARRIED TO THE END OF SECTION 5</p>	US\$			

	<p><u>PROPOSED CONSTRUCTION OF ADMINISTRATION OFFICES</u></p> <p><u>NORTH GALKAIO DISTRICT - PUNTLAND STATE - MUDUG REGION</u></p>				
	<p><u>SECTION 5: SEPTIC TANK</u></p>				
	<p><u>ELEMENT NO. 2</u></p>				
	<p><u>FINISHES</u></p>				
	<p><i>15 mm cement and sand (1:3) render, finished with woodfloat to:-</i></p>				
A	<p>Bottom concrete floor slab</p>	SM	11		

	<u>12mm (minimum) two coat lime plaster as described to</u>			
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	
	<u>APP Membrane</u>			
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	
	<u>Manhole cover</u>			
E	Provide 600x600mm wide light duty manhole cover complete with frames	No.	4	
F	Provision for all pipe works and accessories	Item		
	TOTAL CARRIED TO THE END OF SECTION 5	US \$		

<u>PROPOSED CONSTRUCTION OF ADMINISTRATION OFFICES</u>				-	-
<u>NORTH GALKAIO DISTRICT - PUNTLAND STATE</u>					
<u>- MUDUG REGION</u>					
<u>SECTION 5: SEPTIC TANK</u>					
<u>MAIN SUMMARY</u>					
<u>ELEMENT</u>	<u>TITLE</u>		<u>PAGE</u>		
<u>NO.</u>					
1	SUBSTRUCTURE		5/3		
2	FINISHES		5/4		
<u>TOTAL FOR SECTION 5: SEPTIC TANK -</u>					
<u>CARRIED TO GRAND SUMMARY</u>		US\$			

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ITEM NO	DESCRIPTION	UNIT	QUANTITY	RATE (US\$)	AMOUNT (US\$)
	<p><u>PROPOSED CONSTRUCTION OF ADMINISTRATION OFFICES</u> <u>NORTH GALKAIO DISTRICT - PUNTLAND STATE - MUDUG REGION</u></p> <p><u>SECTION 6: PROVISIONAL SUMS</u></p> <p>The following provisional sums are for works whose quantities and nature cannot be 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 Contractors.</p> <p>Allow a provisional sum of US Dollars _____ only for site clearance</p> <p>Allow a provisional sum of US Dollars _____ only for CCTV Control System</p> <p>Allow a provisional sum of US Dollars _____ only for Power Connection</p> <p>Allow a provisional sum of US Dollars</p>	Item			
A		Item			
B		Item			
C		Item			
D		Item		-	-

E	_____ only for Landscaping	m		
	Allow a provisional sum of US Dollars _____ only for Foul Drainage/Soil & Waste Drainage	Item	-	-
	<u>TOTAL FOR SECTION 6: PROVISIONAL SUMS - CARRIED TO GRAND SUMMARY</u>	US\$		

ITEM NO	DESCRIPTION	PAGE	AMOUNT (US\$)
	<u>PROPOSED CONSTRUCTION OF ADMINISTRATION OFFICES NORTH GALKAIO DISTRICT - PUNTLAND STATE - MUDUG REGION</u>		
	<u>GRAND SUMMARY</u>		
1	SECTION 1: PRELIMINARIES AND GENERAL ITEMS	1/10	
2	SECTION 2: MAIN BLOCK	2/15	
3	SECTION 3: GATE HOUSE	3/12	
4	SECTION 4: EXTERNAL WORKS	4/4	
5	SECTION 5: SEPTIC TANK	5/5	
6	SECTION 6: PROVISIONAL SUMS	6/1	
	SUB-TOTAL		
	Add for 10% Contingencies		
	TOTAL AMOUNT CARRIED TO FORM OF BID	US\$	
	SIGNED: (CONTRACTOR)		

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Name of the Authorized Representative

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Address:

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Tel No:

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Date:

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