



# **Bidding Document for Procurement of Small Works**

## **Procurement of Infrastructure Development projects**

**Ref No: MOF/SFF-LD/CW/NCB/2017/003**

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

**Employer: Ministry of Finance**

**Country: Federal Republic of Somalia**

**Issued on: August 2017**

# Schedules

## Bill of Quantities

### PROPOSED BANDIIRADLEY DISTRICT ADMINISTRATION OFFICE IN BANDIIRADLEY, SOMALIA - MUDUG REGION

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

	<b>SPECIAL NOTES</b>	
<b>1</b>	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.	
<b>2</b>	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.	
<b>3</b>	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.	
<b>4</b>	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.	
<b>5</b>	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.	
<b>6</b>	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.	
<b>7</b>	In no case will any expenses incurred by Contractors in preparation of this bid be reimbursed.	
<b>8</b>	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.	
<b>9</b>	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.	
<b>10</b>	The Bills of Quantities must be priced in US Dollar currency, i.e. US Dollars and Cents.	
<b>11</b>	The bid documents must be priced in ink.	
	<b>INDEX</b>	
	<b>SECTION NO. 1: PRELIMINARIES AND GENERAL ITEMS</b>	
	<b>SECTION NO. 2: MAIN BUILDING</b>	
	<b>SECTION NO. 3: GUARD HOUSE</b>	
	<b>SECTION NO. 4: EXTERNAL WORKS</b>	
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	<b>SECTION NO.6: WATER TANK</b>	
	<b>SECTION NO. 7: PROVISIONAL SUMS</b>	
	<b>GRAND SUMMARY</b>	

ITEM	ITEM DESCRIPTION		AMOUNT (US\$)
	<b>PREAMBLE TO BILLS OF QUANTITIES</b>		
<b>A</b>	<b>SUFFICIENCY OF BID</b>		
	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.		
<b>B</b>	<b>STAMP CHARGES</b>		
	The Contractor shall allow for the payment of all Stamp Charges in connection with the Surety Bond and Contract Agreement.		-
<b>C</b>	<b>DEFINITIONS AND ABBREVIATIONS</b>		
	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 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.	
<b>D</b>	<b>PROGRESS SCHEDULE</b>		
	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.		-
<b>E</b>	<b>FIGURED DIMENSIONS</b>		
	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.		
	<b>Carried To Collection \$US</b>		-

	<b>PROVISIONAL WORK</b>	
	All "provisional" and other work liable to adjustment under this Contract shall be left uncovered taken by the Quantity Surveyor. Immediately the work is ready for measurement, the Contractor shall for a reasonable time to allow all measurements needed for such adjustment to be 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.	
<b>A</b>	<b>EXISTING SERVICES</b>	
	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.	
<b>C</b>	<b>TRANSPORT TO AND FROM THE SITE</b>	
	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.	-
<b>D</b>	<b>POLICE REGULATIONS</b>	
	The Contractor is to allow for complying with all instructions and regulations of the Police Authorities.	-
	<b>Carried To Collection \$USD</b>	-
	<b>CONTRACTORS' SUPERINTENDENCE</b>	
	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.	
<b>A</b>	<b>WATER</b>	
	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>B</b>	<b>LIGHTING AND POWER</b>	
	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.	-
<b>C</b>	<b>SAFETY</b>	
	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.	-
	<b>Carried To Collection \$USD</b>	-
<b>A</b>	<b>PROTECTIVE CLOTHING</b>	
	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	
	<b><u>MATERIALS AND WORKMANSHIP</u></b>	
<b>B</b>	<b>GENERALLY</b>	
	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.	
<b>C</b>	<b>SAMPLES</b>	
	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.	-
	<b>Carried To Collection \$USD</b>	-

<b>A</b>	<b>CONCRETE TESTS</b>	
	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)	-
	<b>TEMPORARY WORKS</b>	
<b>B</b>	<b>SPACE AND SERVICES FOR THE PROJECT MANAGER/ARCHITECT</b>	
	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.	-
<b>C</b>	<b>TELEPHONE</b>	
	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.	-
<b>D</b>	<b>SANITATION</b>	
	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.	-
<b>E</b>	<b>PLANT, TOOLS AND SCAFFOLDING</b>	
	<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. 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.</p>	-
	<b>Carried To Collection</b>	-

								\$USD	
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.								-
					Carried To Collection	\$USD		-	
	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								

	<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><u>ENVIRONMENTAL AND SOCIAL MANAGEMENT</u></b>			
<b>C</b>	<b>ENVIRONMENTAL AND SOCIAL MANAGEMENT</b>			
	<p>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 &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. The main activities shall include the monitoring and evaluation &amp; environmental audits during the implementation and decommissioning phases of the project.</p>			-
	<b>Carried To Collection \$USD</b>			-
	<b><u>Collection</u></b>			
	Brought forward from Page	1/3		-
	Brought forward from Page	1/4		-
	Brought forward from Page	1/5		-
	Brought forward from Page	1/6		-
	Brought forward from Page	1/7		-
	Brought forward from Page	1/8		-
	Brought forward from Page	1/9		-
	<b><u>TOTAL FOR SECTION 1: PRELIMINARIES AND GENERAL ITEMS CARRIED TO GRAND SUMMARY</u></b>		<b>US\$</b>	-



ITEM NO.	DESCRIPTION	UNIT	QUANTITY	RATE (US\$)	AMOUNT (US\$)
	<b><u>PROPOSED CONSTRUCTION OF ADMINISTRATION OFFICES</u></b>				
	<b><u>BANDIIRADLEY DISTRICT - GALMUDUG STATE - MUDUG 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><u>Excavations including maintaining and supporting sides and keeping free from water, mud and fallen material</u></i>				
A	Clear the site of all shrubs, grass and excavate top vegetable soil average depth 200mm and deposit on site as directed	SM	663		
B	Excavate to reduce level overall depth not exceeding 1.50m deep	CM	199		
C	Excavate trench for foundation not exceeding 1.50 meters deep, starting from stripped levels	CM	319		
D	Extra over for rock excavations; trench foundation	CM	32		
E	Excavate for column base not exceeding 1.50 meters	CM	14		
F	Extra over for rock excavations; column base	CM	2		
	<i><u>Disposal</u></i>				
G	Return, fill and ram selected excavated material around foundations.	CM	275		
H	Load, wheel and cart deposit and spread surplus excavated material where directed on site at a distance not exceeding 100 meters	CM	199		
	<i><u>Hardcore or other approved filling, as described</u></i>				
I	300mm thick well compacted hardcore filling blinded with 25mm thick quarry dust layer to receive surface bed	CM	497		
	<i><u>Anti-termite treatment</u></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	663		
	<i><u>Damp-proof membrane</u></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	663		
	<b>CARRIED TO COLLECTION AT END OF ELEMENT 1</b>	US\$			

	<u>Plain concrete class 15 in:</u>				
L	50mm blinding under strip footing	SM	196		
M	50mm blinding under column bases	SM	43		
	<u>Reinforced concrete class (20) as described, in:-</u>				
N	Strip footing	CM	71		
O	Column bases	CM	7		
P	Foundation columns	CM	6		
Q	Ramp and Steps	SM	24		
R	150mm Thick surface bed laid in bays including all necessary formwork	SM	663		
	<u>Reinforcement, as described:-[PROVISIONAL]</u>				
	<u>High yield square twisted reinforcement bars to B.S 4461</u>				
A	8mm bars	Kg	279		
B	10mm bars	Kg	2,790		
C	12mm bars	Kg	641		
D	16mm bars	Kg	950		
	<u>Mesh fabric reinforcement to B.S 4483 and setting in</u>				
	<u>concrete with 300mm side and end laps</u>				
	<u>(measured nett-allow for laps).</u>				
E	Fabric ref. A142 weighing 2.22kg/ sq.metre, in surface bed.	SM	663		
	<u>Sawn formwork as described to:-</u>				
F	To sides of strip footing	SM	194		
G	To sides of foundation columns	SM	99		
H	To sides of column base	SM	37		
I	To sides of ramp and steps	SM	7		
J	To edge of ramp and slabs over 75mm but not exceeding 150mm high	LM	202		
	<b>CARRIED TO COLLECTION AT END OF ELEMENT 1</b>	<b>US\$</b>			

	-				
	<u>Walling in natural coursed stone obtained from an approved quarry, bedded and jointed in gauged mortar (1:3)</u>				
K	400mm wide	SM	454		
L	200mm wide	SM	241		
	<u>Damp-proof courses, as described, to walls</u>				
M	400mm wide	LM	196		
N	200mm wide	LM	78		
O	100mm wide	LM	21		
	<b>CARRIED TO COLLECTION AT END OF ELEMENT 1</b>	<b>US\$</b>			
	<b><u>ELEMENT NO. 1</u></b>				
	<b><u>COLLECTION</u></b>				
	FROM PAGE .....	2/1			
	FROM PAGE .....	2/2			
	FROM PAGE .....	Above			
	<b>TOTAL CARRIED TO THE END OF SECTION 2</b>	<b>US\$</b>			
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	<b><u>PROPOSED CONSTRUCTION OF ADMINISTRATION OFFICES</u></b>				
	<b><u>BANDIIRADLEY DISTRICT - GALMUDUG STATE - MUDUG</u></b>				
	<b><u>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><u>Reinforced concrete class 25, as described in:-</u></i>				
A	Beams and ring beam	CM	48		
B	Columns	CM	10		
	<i><u>Reinforcement, as described (PROVISIONAL)</u></i>				
	<i><u>High yield square twisted reinforcement to BS 4461</u></i>				
C	8mm ditto	Kg	693		
D	12mm ditto	Kg	454		
E	16mm ditto	Kg	4,167		
	<i><u>Sawn formwork, as described, to:-</u></i>				
F	Sides and soffits of beams	SM	398		
G	Sides of columns	SM	147		
	<b><u>TOTAL CARRIED TO THE END OF SECTION 2</u></b>	<b>US\$</b>			



	<p><b><u>PROPOSED CONSTRUCTION OF ADMINISTRATION OFFICES</u></b>  <b><u>BANDIIRADLEY DISTRICT - GALMUDUG STATE - MUDUG REGION</u></b></p> <p><b><u>SECTION 2: MAIN BUILDING</u></b></p> <p><b><u>ELEMENT NO. 3</u></b></p> <p><b><u>WALLING</u></b></p> <p><i><u>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:</u></i></p>			
A	400mm thick walling externally	SM	275	
B	400mm thick walling internally	SM	188	
C	200mm thick walling externally	SM	89	
D	200mm thick walling internally	SM	170	
E	100mm thick walling internally	SM	46	
	<p><i><u>Partitioning</u></i></p> <p><i><u>Decorative chrome plated steel handrails on MS balustrades to fabricators details including door to MS railing in cement and sand (1:3) tinted mortar.</u></i></p>			
F	1000mm High decorative grill walling	SM	5	
	<b>TOTAL CARRIED TO THE END OF SECTION 2</b>	<b>US\$</b>		

<p><b><u>PROPOSED CONSTRUCTION OF ADMINISTRATION OFFICES</u></b> <b><u>BANDIIRADLEY DISTRICT - GALMUDUG STATE - MUDUG</u></b> <b><u>REGION</u></b></p> <p><b><u>SECTION 2: MAIN BUILDING</u></b></p> <p><b><u>ELEMENT NO. 4</u></b></p> <p><b><u>ROOF CONSTRUCTION AND FINISHES</u></b></p> <p><i><u>The following in roof trusses with nailed or bolted connections including hoisting and fixing in position not exceeding 3.40meters above ground floor level</u></i></p> <p><i><u>In sawn treated cypress Grade 2</u></i></p> <p><i><u>4NO. Truss T1</u></i></p> <p>A 100x50mm King post</p> <p>B 150x50mm rafters</p> <p>-</p> <p>C 100x50mm strut or tie</p> <p>D 100 x 50mm thick tie beam</p> <p><i><u>4NO. Truss T2</u></i></p> <p>A 100x50mm King post</p> <p>B 150x50mm rafters</p> <p>-</p> <p>C 100x50mm strut or tie</p> <p>D 100 x 50mm thick tie beam</p> <p><i><u>2NO. Truss T3</u></i></p> <p>A 100x50mm King post</p>		<p>-</p> <p>-</p> <p>-</p> <p>LM</p> <p>LM</p> <p>LM</p> <p>LM</p> <p>LM</p> <p>LM</p> <p>LM</p> <p>LM</p> <p>LM</p> <p>LM</p> <p>LM</p> <p>LM</p>	<p>-</p> <p>-</p> <p>-</p> <p>9</p> <p>6</p> <p>4</p> <p>2</p> <p>4</p> <p>15</p> <p>13</p> <p>11</p> <p>3</p>	<p>-</p> <p>-</p> <p>-</p> <p>-</p> <p>-</p> <p>-</p> <p>-</p> <p>-</p> <p>-</p> <p>-</p> <p>-</p> <p>-</p> <p>-</p>
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B	150x50mm rafters	LM	10		
-					-
C	100x50mm strut or tie	LM	12		
D	100 x 50mm thick tie beam	LM	8		
	<u>2NO. Truss T4</u>				
A	100x50mm King post	LM	3		
B	150x50mm rafters	LM	13		
-					-
C	100x50mm strut or tie	LM	23		
D	100 x 50mm thick tie beam	LM	11		
	<u>2NO. Truss T5</u>				
A	100x50mm King post	LM	3		
B	150x50mm rafters	LM	16		
-					-
C	100x50mm strut or tie	LM	21		
D	100 x 50mm thick tie beam	LM	14		
	<u>2NO. Truss T6</u>				
A	100x50mm King post	LM	3		
B	150x50mm rafters	LM	19		
-					-
C	100x50mm strut or tie	LM	24		
D	100 x 50mm thick tie beam	LM	16		



	<u>2NO. Truss T7</u>				
A	100x50mm King post	LM	2		
B	150x50mm rafters	LM	20		
-					
C	100x50mm strut or tie	LM	33		-
D	100 x 50mm thick tie beam	LM	16		
	<u>2NO. Truss T8</u>				
A	100x50mm King post	LM	1		
B	150x50mm rafters	LM	20		
-					
C	100x50mm strut or tie	LM	21		-
D	100 x 50mm thick tie beam	LM	16		
	<u>2NO. Truss T9</u>				
A	100x50mm King post	LM	1		
B	150x50mm rafters	LM	6		
-					
C	100x50mm strut or tie	LM	17		-
D	100 x 50mm thick tie beam	LM	16		
	<u>2NO. Truss T10</u>				
A	100x50mm King post	LM	2		
B	150x50mm rafters	LM	11		
-					
C	100x50mm strut or tie	LM	18		-
D	100 x 50mm thick tie beam	LM	9		
	<u>2NO. Truss T11</u>				

A	100x50mm King post	LM	3		
B	150x50mm rafters	LM	14		
-					
C	100x50mm strut or tie	LM	21		-
D	100 x 50mm thick tie beam	LM	12		
	<u>2NO. Truss T12</u>				
A	100x50mm King post	LM	3		
B	150x50mm rafters	LM	17		
-					
C	100x50mm strut or tie	LM	25		-
D	100 x 50mm thick tie beam	LM	14		
	<u>2NO. Truss T13</u>				
A	100x50mm King post	LM	3		
B	150x50mm rafters	LM	17		
-					
C	100x50mm strut or tie	LM	25		-
D	100 x 50mm thick tie beam	LM	16		
	<u>12NO. Truss T14</u>				
A	100x50mm King post	LM	18		
B	150x50mm rafters	LM	125		
-					
C	100x50mm strut or tie	LM	157		-
D	100 x 50mm thick tie beam	LM	98		
	<u>2NO. Truss T15</u>				
A	100x50mm King post	LM	3		

B	150x50mm rafters	LM	20		
-					-
C	100x50mm strut or tie	LM	25		
D	100 x 50mm thick tie beam	LM	17		
	<u>2NO. Truss T16</u>				
A	100x50mm King post	LM	3		
B	150x50mm rafters	LM	19		
-					-
C	100x50mm strut or tie	LM	26		
D	100 x 50mm thick tie beam	LM	16		
	<u>2NO. Truss T17</u>				
A	100x50mm King post	LM	3		
B	150x50mm rafters	LM	18		
-					-
C	100x50mm strut or tie	LM	27		
D	100 x 50mm thick tie beam	LM	15		
	<u>2NO. Truss T18</u>				
A	100x50mm King post	LM	3		
B	150x50mm rafters	LM	16		
-					-
C	100x50mm strut or tie	LM	26		
D	100 x 50mm thick tie beam	LM	14		
	<u>2NO. Truss T19</u>				
A	100x50mm King post	LM	1		
B	150x50mm rafters	LM	9		

-					-
C	100x50mm strut or tie	LM	6		
D	100 x 50mm thick tie beam	LM	8		
	<u>1NO. Truss T20</u>				
A	100x50mm King post	LM	1		
B	150x50mm rafters	LM	5		
-					-
C	100x50mm strut or tie	LM	12		
D	100 x 50mm thick tie beam	LM	5		
	<u>2NO. Truss T21</u>				
A	100x50mm King post	LM	2		
B	150x50mm rafters	LM	11		
-					-
C	100x50mm strut or tie	LM	13		
D	100 x 50mm thick tie beam	LM	9		
	<u>2NO. Truss T22</u>				
A	100x50mm King post	LM	2		
B	150x50mm rafters	LM	14		
-					-
C	100x50mm strut or tie	LM	14		
D	100 x 50mm thick tie beam	LM	12		
	<u>2NO. Truss T23</u>				
A	100x50mm King post	LM	2		
B	150x50mm rafters	LM	16		
-					-

C	100x50mm strut or tie	LM	14		
D	100 x 50mm thick tie beam	LM	12		
	<u>2NO. Truss T24</u>				
A	100x50mm King post	LM	2		
B	150x50mm rafters	LM	16		
-					-
C	100x50mm strut or tie	LM	17		
D	100 x 50mm thick tie beam	LM	12		
	<u>2NO. Truss T25</u>				
A	100x50mm King post	LM	1		
B	150x50mm rafters	LM	16		
-					-
C	100x50mm strut or tie	LM	15		
D	100 x 50mm thick tie beam	LM	12		
	<u>1NO. Truss T26</u>				
A	100x50mm King post	LM	1		
B	150x50mm rafters	LM	11		
-					-
C	100x50mm strut or tie	LM	17		
D	100 x 50mm thick tie beam	LM	11		
	<u>1NO. Truss T27</u>				
A	100x50mm King post	LM	1		
B	150x50mm rafters	LM	11		
-					-
C	100x50mm strut or tie	LM	23		
D	100 x 50mm thick tie beam	LM	11		

	<u>1NO. Truss T28</u>				
A	100x50mm King post	LM	2		
B	150x50mm rafters	LM	12		
-					
C	100x50mm strut or tie	LM	22		-
D	100 x 50mm thick tie beam	LM	11		
	<u>1NO. Truss T29</u>				
A	100x50mm King post	LM	1		
B	150x50mm rafters	LM	8		
-					
C	100x50mm strut or tie	LM	11		-
D	100 x 50mm thick tie beam	LM	7		
	<u>1NO. Truss T30</u>				
A	100x50mm King post	LM	1		
B	150x50mm rafters	LM	8		
-					
C	100x50mm strut or tie	LM	11		-
D	100 x 50mm thick tie beam	LM	8		
	<u>1NO. Truss T31</u>				
A	100x50mm King post	LM	1		
B	150x50mm rafters	LM	3		
-					
C	100x50mm strut or tie	LM	3		-
D	100 x 50mm thick tie beam	LM	2		

	<u>1NO. Truss T32</u>				
A	100x50mm King post	LM	1		
B	150x50mm rafters	LM	3		
-					
C	100x50mm strut or tie	LM	6		-
D	100 x 50mm thick tie beam	LM	3		
	<u>NO. Truss T33</u>				
A	100x50mm King post	LM	1		
B	150x50mm rafters	LM	5		
-					
C	100x50mm strut or tie	LM	6		-
D	100 x 50mm thick tie beam	LM	4		
	<u>1NO. Truss T34</u>				
A	100x50mm King post	LM	1		
B	150x50mm rafters	LM	5		
-					
C	100x50mm strut or tie	LM	6		-
D	100 x 50mm thick tie beam	LM	3		
	<u>1NO. Truss T35</u>				
A	100x50mm King post	LM	1		
B	150x50mm rafters	LM	3		
-					
C	100x50mm strut or tie	LM	3		-
D	100 x 50mm thick tie beam	LM	3		
	<u>1NO. Truss T36</u>				

A	100x50mm King post	LM	1		
B	150x50mm rafters	LM	2		
-					
C	100x50mm strut or tie	LM	3		
D	100 x 50mm thick tie beam	LM	2		
E	100x50mm wall plate fixed with and including 200mm long 12mm diameter rag bolts cast into beam at 1500mm centres  <u>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.</u>	LM	184		
F	Roof covering not exceeding 20 degrees from the horizontal including all necessary fixtures  <u>Rain water goods</u>	SM	856		
G	32 gauge mild steel rain water box gutter 450mm girth one edge tucked under roof cover	LM	183		
H	800mm girth 32 gauge mild steel down pipe	LM	41		
I	Extra over shoe	No.	12		
J	Extra over for swan	No.	12		
TOTAL CARRIED TO THE END OF SECTION 2		US\$			





	- <b><u>PROPOSED CONSTRUCTION OF ADMINISTRATION OFFICES</u></b> <b><u>BANDIIRADLEY DISTRICT - GALMUDUG STATE - MUDUG 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	418		
	<i><u>12mm (minimum) two coat lime plaster as described to</u></i>				
B	Concrete or masonry surfaces internally	SM	1,317		
	<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	571		
	<i><u>Ceramic floor tiles</u></i>				
D	300mm x 300mm non-ceramic floor tiles	SM	571		
E	100mm High skirting	LM	447		
	<i><u>Ceiling finishes</u></i>				
F	12mm Thick chip-boarding ceiling on 50X50mm cypress brandering 50X50mm cypress	SM	562		
G	100x25mm cornice plugged	LM	480		
	<i><u>Steel handrail</u></i>				
H	M.S 1000mm High, 75mm Diameter chrome plated steel handrail on balustrades to fabricators detail	LM	15		

	<b><u>Painting and decorating</u></b>				
	<u>Prepare and apply three coats first quality emulsion paint on:-</u>				
I	Plastered walls externally	SM	418		
	<u>Prepare and apply three coats first quality silk vinyl emulsion paint on:-</u>				
J	Plastered surfaces internally	SM	1,317		
	<b>CARRIED TO COLLECTION AT END OF ELEMENT 5</b>	<b>US\$</b>			

	<u>Prepare and apply three coats first quality emulsion paint on:-</u>				
K	Chipboard ceiling	SM	562		
L	100X25mm cornice plugged	LM	480		
	<u>Prepare and apply three coats matt gloss paint to steel grill:</u>				
M	1000mm High, 75mm Diameter chrome plated steel handrail on M.S both sides	SM	15		
	<b>CARRIED TO COLLECTION AT END OF ELEMENT 5</b>	<b>US\$</b>			
	<b><u>ELEMENT NO. 5 COLLECTION</u></b>				
	FROM PAGE .....	2/13			
	FROM PAGE .....	Above			
	<b>TOTAL CARRIED TO THE END OF SECTION 2</b>	<b>US\$</b>			
	-				

	<p>-</p> <p><b><u>PROPOSED CONSTRUCTION OF ADMINISTRATION OFFICES</u></b></p> <p><b><u>BANDIRADLEY DISTRICT - GALMUDUG STATE - MUDUG</u></b></p> <p><b><u>REGION</u></b></p> <p><b><u>SECTION 2: MAIN BUILDING</u></b></p> <p><b><u>ELEMENT NO. 6</u></b></p> <p><b><u>WINDOWS</u></b></p> <p><i><u>Precast concrete class 20 fair faced all exposed surfaces bedded</u></i></p> <p><i><u>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</u></i></p> <p><i><u>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	40		
B	Window size 2125 x 1500mm high	No.	4		
C	Window size 1725 x 1500mm high	No.	4		
D	Window size 1500x1500mm high	No.	4		
E	Window size 1000x 1500mm high	No.	12		
F	Window size 900x 1500mm high	No.	1		
G	<p>Window size 500x 600mm high</p> <p><i><u>In-wrot mahogany</u></i></p>	No.	2		
H	125x25mm window board, plugged, screwed and pelleted	LM	40		
I	<p>20x20mm quadrant beading plugged</p> <p><i><u>Anodized brass coated aluminium:</u></i></p>	LM	40		
J	Heavy duty overlapping double curtain rail complete with rollers, clips and stopped ends	LM	40		
	<b>TOTAL CARRIED TO THE END OF SECTION 2</b>	<b>US\$</b>			

	-	-	-	-	-	-
	<b><u>PROPOSED CONSTRUCTION OF ADMINISTRATION OFFICES</u></b>				-	-
	<b><u>BANDIIRADLEY DISTRICT - GALMUDUG STATE - MUDUG 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 Project Manager/Architect's approval</u></i>				-	-
A	-					
	50mm thick door overall size 1000x2100mm high	No.	11			
	<i><u>45mm thick solid core flush door to B.S 459: parts</u></i>					
	<i><u>faced both sides with 6mm mahogany veneered plywood</u></i>					
	<i><u>and lipped on all edges in hardwood, including all</u></i>					
	<i><u>planted moulding</u></i>					
B	Ditto but 1000x2100mm high	No.	6			
C	Ditto but 900x2100mm high	No.	16			
	<i><u>In-wrot mahogany</u></i>					
D	150x50mm moulded door frame with 4 labours including fixing dowels and cramps	LM	170			
E	50x25mm architrave	LM	170			
F	25mm quadrant	LM	170			
	<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	66			
H	General surface of doors externally	SM	66			

I	Wooden surface 200 - 300mm girth	LM	170		
J	Wooden surface 0 - 100mm girth	LM	170		
	<u>Supply delivery and fix the following ironmongery with matching screws</u>				
K	In pairs, 100 x50mm medium duty brass butt hinges	PR	50.0		
L	5level mortise door lock	No	11		
M	2 Level mortise door lock	No	22		
N	Rubber door stop plugged to concrete floor	No	33		
	<b>TOTAL CARRIED TO THE END OF SECTION 2</b>	<b>US\$</b>			

	<b><u>PROPOSED CONSTRUCTION OF ADMINISTRATION OFFICES</u></b>	-	-	-	-
	<b><u>BANDIIRADLEY DISTRICT - GALMUDUG STATE - MUDUG 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>			-	-
	<u>Take delivery and Install Only the following appliances</u>				
	<u>WC suite</u>				
A	Twyford's 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	No.	18		

	button EN2561WH, seat & cover EN 7860				
	<u>Vanity Wash-hand basin</u>				
B	White countertop wash- hand basin size 500x410mm with one central taphole,.Basin to be as Twyfords Refresh	No.	12		
C	32mm trap	No.	4		
	<u>Angle Valves</u>				
D	1/2" Chrome plated angle regulating valve with 350 mm long service connection	No.	8		
	<u>Testing &amp; Commissioning</u>				
E	Allow for setting to work, testing and commissioning.	Item			
	<b>INTERNAL PLUMBING</b>				
	<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 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	40mm diameter PPR Pipes surface mounted	LM	32		
	<u>Extra over PPR tubing for the following:</u>				
B	40mm diameter PPR 90° elbow	No.	10		
	<b>CARRIED TO COLLECTION AT END OF ELEMENT 8</b>	<b>US\$</b>			





	<u>Tees</u>				
C	40mm diameter PPR equal tee	No.	24		
	<u>Reducer Tees</u>				
D	40x32mm diameter PPR reducer coupling	No.	30		
	<u>Gate Valves</u>				
E	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.	8		
F	Water Check meter	No.	1		
G	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 .....	2/17			
	FROM PAGE .....	Above			
	<b>TOTAL CARRIED TO THE END OF SECTION 2</b>	<b>US\$</b>			
	- - - -				
	<b><u>PROPOSED CONSTRUCTION OF ADMINISTRATION OFFICES</u></b> <b><u>BANDIIRADLEY DISTRICT - GALMUDUG STATE - MUDUG REGION</u></b>			-	-

	<b><u>SECTION 2: MAIN BUILDING</u></b>				
	<b>ELEMENT NO. 9</b>				
	<b>ELECTRICAL INSTALLATIONS &amp; SERVICES</b>				
	<i><u>Supply, install, test and commission the following:</u></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.	70		
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><u>10A moulded ivory switch plates as Crabtree or approved equivalent</u></i>				
	<i><u>as follows:</u></i>				
C	Single pole switch	No.	15		
D	Two gang switch	No.	4		
E	Three gang switch	No.	4		
	<b>LIGHTING FITTINGS</b>				
	<i><u>Light fitting complete with fixing accessories and lamps as follows:</u></i>				
A	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		
B	10 A 3-plate ceiling mounted light fixture complete with rose, BC lamp holder and flexible cord.	No.	2		
C	Flood lamps	No.	8		

	<b>SOCKET OUTLETS AND POWER POINTS</b>				
D	Duplex receptacle point comprising wiring in 3 x 2.5mm <sup>2</sup> PVC-SCCu cables in concealed in 20mm HG PVC conduits.	No.	40		
	<b>CONSUMER UNITS/DISTRIBUTION BOARDS</b>				
E	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 8</b>	US\$			

§	<u>Single pole Miniature Circuit Breakers to fit into the above consumer unit as follows:</u>				
F	5A SP	No.	1		
G	20A SP	No.	1		
H	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	Contingency sum for electrical works	Item	
<b>CARRIED TO COLLECTION AT END OF ELEMENT 8</b>		<b>US\$</b>	
<b><u>ELEMENT NO. 9 COLLECTION</u></b>			
		FROM PAGE	
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		....	2/19
		FROM PAGE	
		.....	
		....	Above
<b>TOTAL CARRIED TO THE END OF SECTION 2</b>		<b>US\$</b>	

<p>- - -</p> <p><b><u>PROPOSED CONSTRUCTION OF ADMINISTRATION OFFICES</u></b></p> <p><b><u>BANDIIRADLEY DISTRICT - GALMUDUG STATE - MUDUG REGION</u></b></p> <p><b><u>SECTION 2: MAIN BUILDING</u></b></p> <p><b><u>MAIN SUMMARY</u></b></p>					
<b><u>ELEMENT</u></b>	<b><u>TITLE</u></b>		<b><u>PAGE</u></b>		-
<b><u>NO.</u></b>					
1	SUBSTRUCTURE		2/3		
2	REINFORCED CONCRETE FRAME		2/4		
3	WALLING		2/5	-	
4	ROOF CONSTRUCTION AND FINISHES		2/12		
5	FINISHES		2/14		
6	WINDOWS		2/15	-	
7	DOORS		2/16		
8	PLUMBING & DRAINAGE INSTALLATIONS		2/18		
9	ELECTRICAL INSTALLATIONS		2/20		
<p><b><u>TOTAL FOR SECTION 2: MAIN BUILDING - CARRIED TO GRAND SUMMARY</u></b></p>		US\$			

ITEM NO.	DESCRIPTION	UNIT	QUANTITY	RATE (US\$)	AMOUNT (US\$)
	<b>PROPOSED CONSTRUCTION OF ADMINISTRATION OFFICES BANDIIRADLEY DISTRICT - GALMUDUG STATE - MUDUG REGION</b>				
	<u>SECTION 3: GUARD HOUSE</u>				
	<u>ELEMENT NO. 1</u>				
	<u>SUBSTRUCTURES (PROVISIONAL)</u>				
	<u>Excavations including maintaining and supporting sides and keeping free from water, mud and fallen material</u>				
A	Clear the site of all shrubs, grass and excavate top vegetable soil average depth 200mm and deposit on site as directed	SM	17		
B	Excavate to reduce level overall depth not exceeding 1.5m deep	CM	5		
C	Excavate trench for foundation not exceeding 1.50 meters deep, starting from stripped levels	CM	3		
	<u>Disposal</u>				
D	Return, fill and ram selected excavated material around foundations.	CM	3		
E	Load, wheel and cart deposit and spread surplus excavated material where directed on site at a distance not exceeding 100 meters	CM	8		
	<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	SM	17		

	treatment, executed complete by an approved specialist under a ten-year guarantee, to surfaces of hard-core				
	<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	17		
	<u>Plain concrete class 15 in:</u>				
I	50mm blinding under strip footing	SM	10		
	<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	17		
	<b>CARRIED TO COLLECTION AT END OF ELEMENT 1</b>	<b>US \$</b>			

	<u>Reinforcement, as described:-[PROVISIONAL]</u>				
	<u>High yield square twisted reinforcement bars to B.S 4461</u>				
A	8mm bars	Kg	20		
B	12mm bars	Kg	45		
	<u>Mesh fabric reinforcement to B.S 4483 and setting in concrete with 300mm side and end laps</u>				
	<u>(measured nett-allow for laps).</u>				
C	Fabric ref. A142 weighing 2.22kg/ sq.metre, in surface bed.	SM	17		
	<u>Sawn formwork as described to:-</u>				
D	To sides of strip footing	SM	10		
E	To edge of slabs over 75mm but not exceeding 150mm high	LM	17		
	<u>Walling in natural coursed stone obtained from an approved quarry, bedded and jointed in gauged mortar (1:3)</u>				
F	200mm wide	SM	12		
	<u>Damp-proof courses, as described, to walls</u>				
G	200mm wide	LM	20		
	<b>CARRIED TO COLLECTION AT END OF ELEMENT 1</b>	<b>US\$</b>			
	<b><u>ELEMENT NO. 1 COLLECTION</u></b>				
	FROM PAGE .....	2/1			
	FROM PAGE .....	Above			
	<b>TOTAL CARRIED TO THE END OF SECTION 3</b>	<b>US\$</b>			



	- <b><u>PROPOSED CONSTRUCTION OF ADMINISTRATION OFFICES</u></b> <b><u>BANDIIRADLEY DISTRICT - GALMUDUG STATE - MUDUG</u></b> <b><u>REGION</u></b>				
	<b><u>SECTION 3: GUARD HOUSE</u></b>				
	<b><u>ELEMENT NO. 2</u></b>				
	<b><u>REINFORCED CONCRETE FRAME</u></b>				
	<i><u>Reinforced concrete class 25, as described in:-</u></i>				
A	Beams and ring beam	CM	2		
	<i><u>Reinforcement, as described (PROVISIONAL)</u></i>				
	<i><u>High yield square twisted reinforcement to BS 4461</u></i>				
B	8mm ditto	Kg	32		
C	10mm ditto	Kg	60		
	<i><u>Sawn formwork, as described, to:-</u></i>				
F	Sides and soffits of beams	SM	17		
	<b><u>TOTAL CARRIED TO THE END OF SECTION 3</u></b>	US\$			

	<p>-</p> <p><b><u>PROPOSED CONSTRUCTION OF ADMINISTRATION OFFICES</u></b></p> <p><b><u>BANDIIRADLEY DISTRICT - GALMUDUG STATE - MUDUG REGION</u></b></p> <p><b><u>SECTION 3: GUARD HOUSE</u></b></p> <p><b><u>ELEMENT NO. 3</u></b></p> <p><b><u>WALLING</u></b></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</u></i>  <i><u>N/mm<sup>2</sup></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</u></i>  <i><u>hoop iron at every alternate course as described in:</u></i></p>				
A	200mm thick walling externally	SM	38		
B	200mm thick walling internally	SM	8		
	<b>TOTAL CARRIED TO THE END OF SECTION 3</b>	<b>US\$</b>			

	<p>-</p> <p><b><u>PROPOSED CONSTRUCTION OF ADMINISTRATION OFFICES</u></b>  <b><u>BANDIIRADLEY DISTRICT - GALMUDUG STATE - MUDUG</u></b>  <b><u>REGION</u></b></p> <p><b><u>SECTION 3: GUARD HOUSE</u></b></p> <p><b><u>ELEMENT NO. 4</u></b></p> <p><b><u>FINISHES</u></b></p> <p><u>15 mm cement and sand (1:3) render, finished with woodfloat to:-</u></p>				
A	<p>Concrete or masonry surfaces externally</p> <p><u>12mm (minimum) two coat lime plaster as described to</u></p>	SM	48		
B	<p>Concrete or masonry surfaces internally</p> <p><u>Floor Finishes</u></p> <p><u>Cement and sand (1:3) screeds, backings, beds etc</u></p>	SM	58		
C	<p>20mm thick screed to receive floor tiles</p> <p><u>Ceramic floor tiles</u></p>	SM	17		
D	300mm x 300mm non-slip ceramic floor tiles	SM	17		
E	<p>100mm High skirting</p> <p><u>Ceiling finishes</u></p>	LM	24		
F	12mm Thick chip-boarding ceiling on 50X50mm cypress brandering 50X50mm cypress	SM	17		
G	<p>100x25mm cornice plugged</p> <p><u>Painting and decorating</u></p> <p><u>Prepare and apply three coats first quality emulsion</u></p>	LM	27		

	<u>paint on:-</u>				
H	Plastered walls externally	SM	48		
	<u>Prepare and apply three coats first quality silk vinyl emulsion paint on:-</u>				
I	Plastered surfaces internally	SM	58		
	<u>Prepare and apply three coats first quality emulsion paint on:-</u>				
J	Chipboard ceiling	SM	17		
K	100X25mm cornice plugged	LM	27		
	<b>TOTAL CARRIED TO THE END OF SECTION 3</b>	<b>US\$</b>			

	<p>-</p> <p><b><u>PROPOSED CONSTRUCTION OF ADMINISTRATION OFFICES</u></b></p> <p><b><u>BANDIIRADLEY DISTRICT - GALMUDUG STATE - MUDUG</u></b></p> <p><b><u>REGION</u></b></p> <p><b><u>SECTION 3: GUARD HOUSE</u></b></p> <p><b><u>ELEMENT NO. 5</u></b></p> <p><b><u>WINDOWS</u></b></p> <p><u>Precast concrete class 20 fair faced all exposed surfaces bedded</u></p> <p><u>and jointed cement and sand (1:4 mortar)</u></p>				
A	<p>In-situ moulded concrete window cill size 250X560mm thick weathered and throated and jointed in mortar (1:4)</p> <p><u>Aluminium windows</u></p> <p><u>Supply, assemble and fix the following purposed-made</u></p>	LM	4		

	<u>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>				
B	Window size 1500x1100mm high	No.	1		
C	Window size 1050X1100mm high	No.	1		
D	Window size 1000X500mm high	No.	1		
E	Window size 500X500mm high	No.	1		
	<u>In-wrot mahogany</u>				
D	125x25mm window board, plugged, screwed and pelleted	LM	4		
E	20x20mm quadrant beading plugged	LM	4		
	<u>Anodized brass coated aluminium:</u>				
F	Heavy duty overlapping double curtain rail complete with rollers, clips and stopped ends	LM	4		
	<b>TOTAL CARRIED TO THE END OF SECTION 3</b>	<b>US\$</b>			

	<p>- - - -</p> <p><b><u>PROPOSED CONSTRUCTION OF ADMINISTRATION OFFICES</u></b>  <b><u>BANDHIRADLEY DISTRICT - GALMUDUG STATE - MUDUG</u></b>  <b><u>REGION</u></b></p> <p><b><u>SECTION 3: GUARD HOUSE</u></b></p> <p><b><u>ELEMENT NO. 6</u></b></p> <p><b><u>DOORS</u></b></p> <p><i><u>45mm thick solid core flush door to B.S 459: parts</u></i>  <i><u>faced both sides with 6mm mahogany veneered plywood</u></i>  <i><u>and lipped on all edges in hardwood, including all</u></i>  <i><u>planted moulding</u></i></p>				
A	<p>900x2100mm High</p> <p><i><u>In-wrot mahogany</u></i></p>	No.	2		
B	<p>150x50mm moulded door frame with 4 labours including fixing dowels and cramps</p>	LM	10		
C	<p>50x25mm architrave</p>	LM	10		
D	<p>25mm quadrant</p> <p><i><u>Painting and decoration</u></i></p> <p><i><u>Knot, prime, stop and apply 3coats polyurethane clear vanish:</u></i></p>	LM	10		
E	<p>General surface of doors internally</p>	SM	4		
F	<p>General surface of doors externally</p>	SM	4		
G	<p>Wooden surface 200 - 300mm girth</p>	LM	10		
H	<p>Wooden surface 0 - 100mm girth</p> <p><i><u>Supply delivery and fix the following ironmongery</u></i>  <i><u>with matching screws</u></i></p>	LM	10		

I	In pairs, 100 x50mm medium duty brass butt hinges	PR	3		
J	2 Level mortise door lock	No	2		
K	Rubber door stop plugged to concrete floor	No	2		
	<b>TOTAL CARRIED TO THE END OF SECTION 3</b>	<b>US\$</b>			
	-				

	<b><u>PROPOSED CONSTRUCTION OF ADMINISTRATION OFFICES</u></b>	-	-	-	-
	<b><u>BANDIIRADLEY DISTRICT - GALMUDUG STATE - MUDUG REGION</u></b>	-	-	-	-
	<b><u>SECTION 3: GUARD HOUSE</u></b>	-	-	-	-
	<b><u>ELEMENT NO. 7</u></b>	-	-	-	-
	<b><u>PLUMBING INSTALLATION &amp; SERVICES</u></b>	-	-	-	-
	<b>SANITARY WARE</b>			-	-
	<i><u>Take delivery and Install Only the following appliances</u></i>				
	<i><u>WC suite</u></i>				
A	Twyford's 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><u>Vanity Wash-hand basin</u></i>				
B	White countertop wash- hand basin size 500x410mm with one central tap hole. Basin to be as Twyford's Refresh	No.	1		
C	32mm trap	No.	1		
	<i><u>Angle Valves</u></i>				

D	1/2" Chrome plated angle regulating valve with 350 mm long service connection	No.	1		
E	<p><u>Testing &amp; Commissioning</u></p> <p>Allow for setting to work, testing and commissioning.</p> <p><b>INTERNAL PLUMBING</b></p> <p><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 Bidders must allow in their pipework prices for all the couplings, connectors, joints etc.required in the running length of pipework and</u></p> <p><u>also where necessary, for pipe fixing clips, holderbats plugged and screwed, brackets and pipe sleeves through structural members.</u></p> <p><u>Cold Water</u></p>	Item			
A	50mm diameter PPR Pipes surface mounted	LM	1		
B	40mm diameter PPR Pipes surface mounted	LM	3		
C	<p><u>Extra over PPR tubing for the following:</u></p> <p>40mm diameter PPR 90° elbow</p>	No.	2		
	<b>CARRIED TO COLLECTION AT END OF ELEMENT 7</b>	<b>US\$</b>			



	<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			
	<b>CARRIED TO COLLECTION AT END OF ELEMENT 7</b>	<b>US\$</b>			
	<b><u>ELEMENT NO. 7 COLLECTION</u></b>				
	FROM PAGE .....	3/8			
	FROM PAGE .....	Above			
	<b>TOTAL CARRIED TO THE END OF SECTION 3</b>	<b>US\$</b>			

	<p><b><u>PROPOSED CONSTRUCTION OF ADMINISTRATION OFFICES</u></b>  <b><u>BANDIIRADLEY DISTRICT - GALMUDUG STATE - MUDUG REGION</u></b></p> <p><b><u>SECTION 3: GUARD HOUSE</u></b></p> <p><b>ELEMENT NO. 8</b></p> <p><b>ELECTRICAL INSTALLATIONS &amp; SERVICES</b></p> <p><i><u>Supply, install, test and commission the following:</u></i></p> <p><b>LIGHTING POINTS</b></p>			-	-
A	<p>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.</p>	No.	6		
B	<p>Bell point points wired in 3x1.5mm<sup>2</sup> PVC insulated single core (SC) copper wires drawn in 20mm dia. HG PVC conduit</p> <p><i><u>10A moulded ivory switch plates as Crabtree or approved equivalent</u></i>  <i><u>as follows:</u></i></p>	No.	1		
C	Single pole switch	No.	2		
D	Three gang switch	No.	1		
	<p><b>LIGHTING FITTINGS</b></p> <p><i><u>Light fitting complete with fixing accessories and lamps as follows:</u></i></p>				
A	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.	2		
B	10 A 3-plate ceiling mounted light fixture complete with rose, BC lamp holder and flexible cord.	No.	1		
C	Flood lamps	No.	1		

D	Wall mounted light fixture	No.	2		
	<b>SOCKET OUTLETS AND POWER POINTS</b>				
E	Duplex receptacle point comprising wiring in 3 x 2.5mm <sup>2</sup> PVC-SCCu cables in concealed in 20mm HG PVC conduits.	No.	1		
	<b>CONSUMER UNITS/DISTRIBUTION BOARDS</b>				
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		
	<b>CARRIED TO COLLECTION AT END OF ELEMENT 7</b>	US\$			

	<b>SUB-MAINS CABLES AND OTHER ITEMS</b>				
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			
	<b>CARRIED TO COLLECTION AT END OF ELEMENT 8</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 3</b>	<b>US\$</b>			

<b><u>PROPOSED CONSTRUCTION OF ADMINISTRATION OFFICES</u></b> <b><u>BANDIIRADLEY DISTRICT - GALMUDUG STATE - MUDUG REGION</u></b>					
<b><u>SECTION 3: GUARD HOUSE</u></b> <b><u>MAIN SUMMARY</u></b>					
<b><u>ELEMENT</u></b>	<b><u>TITLE</u></b>		<b><u>PAGE</u></b>		-
<b><u>NO.</u></b>					
1	SUBSTRUCTURE		3/2		
2	REINFORCED CONCRETE 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		
<b><u>TOTAL FOR SECTION 3: GUARD HOUSE - CARRIED TO GRAND SUMMARY</u></b>		US\$			

ITEM NO.	DESCRIPTION	UNIT	QUANTITY	RATE (US\$)	AMOUNT (US\$)
	<b><u>PROPOSED CONSTRUCTION OF ADMINISTRATION OFFICES</u></b> <b><u>BANDIIRADLEY DISTRICT - GALMUDUG STATE - MUDUG REGION</u></b> <b><u>SECTION 4: EXTERNAL WORKS</u></b> <b><u>ELEMENT NO. 1</u></b> <b><u>BOUNDARY WALL AND GATE</u></b> <b><u>BOUNDARY WALL</u></b> <u>Excavations</u> A Excavate trenches for strip footing not exceeding 1.5m deep commencing at ground level CM 162 B Ditto for column/pier bases not exceeding 1.5mm deep CM 24 <u>Disposal</u> C Return, fill and ram selected excavated material around foundations CM 100 D Wheel away, spread level and compact excavated materials as directed on site CM 87  <u>Concrete Works</u> <u>50mm thick mass concrete (1:3:6) class 15/20 in blinding under:</u> E Strip footing SM 135 F Ditto but to column bases SM 20 <u>Normal; Class 30: Vibrated</u> G Strip foundation CM 27 H Column bases CM 6 I Columns (Substructure) J Columns (Superstructure)  <u>Supply and fix the following reinforcement bars including cutting,</u> <u>bending, hooking, tying and supporting as required</u> <u>high yield square twisted reinforcement bars to B.S 4461</u> K 8mm Diameter Kg 192 L 10mm Ditto M 12mm Ditto  <b>CARRIED TO COLLECTION AT END OF ELEMENT 1</b>				
		US\$			

	<u>Formwork as described to:-</u>				
N	Strip footing: vertical sides	SM	90		
O	Columns: vertical sides-substructure	SM	37		
P	Columns: vertical sides-superstructure				
Q	Column bases				
	<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</u>	SM	214		
	<u>25mm x 3mm hoop iron strips laid horizontally at every alternate course as described in:</u>	SM	540		
R	200 mm thick substructure walling	SM	54		
S	ditto: superstructure				
T	25mm MS grille welded to RHS border. Acrylic latex paint or oil based paint, over substrate previously primed with rust inhibitive specialty primer coat	LM	225		
	<u>Pre-cast concrete coping</u>				
U	450 X 450 x 50mm Thick precast concrete coping weathered both directions and throated both sides laid on masonry wall in cement	No.	48		
V	and sand (1:4) mortar and fixing bars for every length of coping 650 x 650 x 50mm Pier caps ditto				
	<u>Finishes</u>	SM	541		
	<u>12mm (minimum) two coat lime plaster as described to:</u>	SM	541		
W	Concrete surfaces				
X	Keying and pointing to 400mm Thick boundary wall externally	SM	541		
Y	Keying and pointing to 400mm Thick boundary wall internally	SM	541		
	<u>Prepare and apply three coats of textured paint to:</u>				
Z	Concrete surfaces				
AA	Keying and pointing to 400mm Thick boundary wall externally				
AB	Keying and pointing to 400mm Thick boundary wall internally	US\$			
	<b>CARRIED TO COLLECTION AT END OF ELEMENT 1</b>				





ITEM NO.	DESCRIPTION	UNIT	QUANTITY	RATE (US\$)	AMOUNT (US\$)
	<p><b><u>PROPOSED CONSTRUCTION OF ADMINISTRATION OFFICES</u></b></p> <p><b><u>BANDIIRADLEY DISTRICT - GALMUDUG STATE - MUDUG REGION</u></b></p> <p><b><u>SECTION 5: SEPTIC TANK</u></b></p> <p><b><u>ELEMENT NO. 1</u></b></p> <p><b><u>SUBSTRUCTURES (PROVISIONAL)</u></b></p> <p><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	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><u>Disposal</u></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		

	<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	11		
	<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	11		
	<u>Plain concrete class 15 in:</u> 50mm blinding under strip				
I	footing	SM	11		
	<u>Reinforced concrete class (20) as described, in:-</u>				
J	Baffle beam	CM	1		
K	Strip footing	CM	3		
	<b>CARRIED TO COLLECTION AT END OF ELEMENT 1</b>	<b>US\$</b>			

L	150mm thick bottom slab laid in bays including all necessary formwork	SM	11		
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 hardcore 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		
	<b>CARRIED TO COLLECTION AT END OF ELEMENT 1</b>	<b>US\$</b>			
	-				

H	<u>Walling in natural coursed stone obtained from an approved quarry, bedded and jointed in gauged mortar (1:3)</u> 200mm thick	SM	20		
	walling				
I	<u>Damp-proof courses, as described, to walls</u> 200mm wide	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 .....		5/1		
	FROM PAGE .....		5/2		
	FROM PAGE .....		above		
	<b>TOTAL CARRIED TO THE END OF SECTION 5</b>	<b>US\$</b>			

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

D	<u>APP Membrane</u>  -  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										
E	<u>Manhole cover</u>  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 5</b>	<b>US\$</b>											
	<b><u>PROPOSED CONSTRUCTION OF ADMINISTRATION OFFICES</u></b> <b><u>BANDIIRADLEY DISTRICT - GALMUDUG STATE - MUDUG</u></b> <b><u>REGION</u></b>  <b><u>SECTION 5: SEPTIC TANK</u></b> <b><u>MAIN SUMMARY</u></b>  <table><tr><td><b><u>ELEMENT</u></b></td><td><b><u>TITLE</u></b></td></tr><tr><td><b><u>NO.</u></b></td><td></td></tr><tr><td>1</td><td>SUBSTRUCTURE</td></tr><tr><td>2</td><td>FINISHES</td></tr></table> <b><u>TOTAL FOR SECTION 5: SEPTIC TANK - CARRIED TO GRAND</u></b> <b><u>SUMMARY</u></b>	<b><u>ELEMENT</u></b>	<b><u>TITLE</u></b>	<b><u>NO.</u></b>		1	SUBSTRUCTURE	2	FINISHES		<b><u>PAGE</u></b>  5/3 5/4	-	-
<b><u>ELEMENT</u></b>	<b><u>TITLE</u></b>												
<b><u>NO.</u></b>													
1	SUBSTRUCTURE												
2	FINISHES												
		<b>US\$</b>											

	<b><u>OVERHEAD WATER TANK</u></b>				
	<b><u>Excavations</u></b>				
A	Excavate trenches for strip footing not exceeding 1.5m deep commencing at ground level	CM	13		
	<b><u>Disposal</u></b>				
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		
	<b><u>Concrete Works</u></b>				
	<b><u>50mm thick mass concrete (1:3:6) class 15/20 in blinding under:</u></b>				
D	Column bases <b><u>Normal; Class 30: Vibrated</u></b>	SM	9		
E	Column bases	CM	3		
F	Columns (Substructure)	CM	1		
G	Columns (Superstructure)	CM	1		
H	Suspended floor slab	CM	3		
	<b><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></b>				
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>			
	<b><u>Formwork as described to:-</u></b>				
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		
	<u>Finishes</u>				
	<u>12mm (minimum) two coat lime plaster as described to:</u>				
Q	Concrete surfaces	SM	42		
R	Concrete surfaces (Tank slab top)	SM	19		
	<u>Prepare and apply three coats of textured paint to:</u>				
S	Concrete surfaces	SM	42		
	<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 4</b>	<b>US\$</b>			
	<b><u>PROPOSED CONSTRUCTION OF ADMINISTRATION</u></b>				
	<b><u>OFFICES</u></b>				
	<b><u>BANDIIRADLEY DISTRICT - GALMUDUG STATE - MUDUG</u></b>				
	<b><u>REGION</u></b>				
	<b><u>SECTION 6: WATER TANK</u></b>				
	<b><u>MAIN SUMMARY</u></b>				
	<b><u>ELEMENT</u></b>		<b><u>PAGE</u></b>		
	<b><u>NO.</u></b>				
	1	OVERHEAD WATER TANK	6/2		
	<b><u>TOTAL FOR SECTION 6: WATER TANK - CARRIED TO</u></b>				
	<b><u>GRAND SUMMARY</u></b>	<b>US\$</b>			

ITEM NO.	DESCRIPTION	UNIT	QUANTITY	RATE (US\$)	AMOUNT (US\$)
	<p><b><u>PROPOSED CONSTRUCTION OF ADMINISTRATION OFFICES</u></b></p> <p><b><u>BANDIIRADLEY DISTRICT - GALMUDUG STATE - MUDUG 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 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</p> <p>for Power Connection</p> <p>Allow a provisional sum of US Dollars _____ only</p> <p>for Foul Drainage/Soil &amp; Waste Drainage</p> <p><b><u>TOTAL FOR SECTION 7: PROVISIONAL SUMS - CARRIED TO GRAND SUMMARY</u></b></p>				
A		Item			
B		Item			
		US\$			



ITEM NO.	DESCRIPTION	PAGE	AMOUNT (US\$)
	<b><u>PROPOSED CONSTRUCTION OF ADMINISTRATION OFFICES</u></b>		
	<b><u>BANDHIRADLEY DISTRICT - GALMUDUG STATE - MUDUG REGION</u></b>		
	<b><u>GRAND SUMMARY</u></b>		
1	SECTION 1: PRELIMINARIES AND GENERAL ITEMS	- 1/10	
2	SECTION 2: MAIN BUILDING	2/21	
3	SECTION 3: GUARD HOUSE	3/12	
4	SECTION 4: EXTERNAL WORKS	4/4	
5	SECTION 5: SEPTIC TANK	5/5	
6	SECTION 6: WATER TANK	6/3	
7	SECTION 7: PROVISIONAL SUMS	7/1	
	<b>SUB-TOTAL</b>		
	Add for 10% Contingencies		
	<b>TOTAL AMOUNT CARRIED TO FORM OF BID</b>	<b>US\$</b>	
	<b>SIGNED:</b>		
	<b>(CONTRACTOR)</b>		
	.....		
	Name of the Authorized Representative		
	.....		
	Address:		
	.....		
	Tel No:		
	.....		
	Date:		
	.....		