FEDERAL GOVERNMENT OF SOMALIA

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

VOLUME 2 – BILL OF QUANTITIES

PROPOSED REHABILITATION OF SECONDARY SCHOOL BUILDING WITH PLAYGOUND HUDDUR DISTRICT – SOUTH WEST STATE BAKOOL REGION

OCTOBER 2017

SPECIAL NOTES

SPECIAL NOTES

1 The Contractor is required to check the numbers of the pages and should any be found to be missing or in duplicate or the figures or writing indistinct, they must inform the Quantity Surveyors at once and have the same rectified. Should the Contractor be in doubt about the precise meaning of any item, word or figure, for any reason whatsoever, or observe any apparent omission of words or figures they must inform the Quantity Surveyor in order that the correct meaning may be decided upon before the date for the submission of the bid.

2 No liability whatever will be admitted nor claim allowed in respect of errors in the Contractor's bid due to mistakes in the Bills of Quantities which should have been rectified in the manner described above.

3 Any doubt or obscurity as to the meaning or intention of any part of the bid documents, or any question arising, shall be taken up in writing, before submission of the bid so that the same can be clarified.

4 The Contractor shall not alter or otherwise qualify the text of these Bills of Quantities. Any alteration or qualification made without authority will be ignored and the text of the Bills of Quantities as printed will be adhered to.

5 The Contractor shall be deemed to have made allowance in their prices generally to cover items of Preliminaries or additions to Prime Cost Sums or other items, if these have not been priced against the respective items.

6 All items of measured work shall be priced in detail and bids containing lump sums to cover trades or groups of work must be broken down to show prices for each item before they will be accepted. Lump sums to cover items of Preliminaries shall likewise be broken down if so required.

7 In no case will any expenses incurred by Contractors in preparation of this bid be reimbursed.

8 The copyright of these Bills of Quantities is vested in the Client and no part thereof may be reproduced without their express permission given in writing.

9 The Contractor is solely responsible for the accurate ordering of materials in accordance with the Drawings and Project Manager/Architect's instructions and no claims for any loss or expense will be entertained for orders for materials based upon the Bills of Quantities.

10 The Contractor shall be deemed to have satisfied themselves before biding as to the correctness and sufficiency of their bid for the Works and of the rates and prices stated in the priced Bills of Quantities, which rates and prices shall cover all their obligations under the Contract and all matters and things necessary for the proper completion and maintenance of the Works.

11 Definitions and Abbreviations - Terms used in these Bills of Quantities shall be interpreted as follows:

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

12 Figured dimensions are to be followed in preference to dimensions scaled from the Drawings; but whenever possible dimensions are to be taken on the Site or from the Buildings. Before any work is commenced by Sub-Contractors or Specialist Firms, dimensions must be checked on the Site and/or buildings and agreed with the Contractor, irrespective of the comparable dimensions shown on the Drawings. The Contractor shall be responsible for the accuracy of such dimensions.

13 All "provisional" and other work liable to adjustment under this Contract shall be left uncovered for a reasonable time to allow all measurements needed for such adjustment to be taken by the Quantity Surveyor. Immediately the work is ready for measurement, the Contractor shall give notice to the Quantity Surveyor. If the Contractor makes default in these respects he shall, if the Project Manager/Architect so directs, uncover the work at his own expense to enable the measurements to be taken.

14 Prior to commencement of any work the Contractor is to ascertain from the relevant Authorities the exact position, depth and level of all existing electric cables, water pipes or other services in the area and they shall make whatever provisions may be required by the Authorities concerned for the support and protection of such services. Any damage or disturbance caused to any services shall be reported immediately to the Project Manager/Architect and the relevant Authority and shall be made good to their satisfaction at the Contractor's expense.

15 The Contractor shall constantly keep on the Works a literate English-speaking Agent or Representative, competent and experienced in the kind of work involved, who shall give his whole time to the superintendence of the Works. Such Agent or Representative shall receive on behalf of the Contractor, directions and instructions from the Project Manager/Architect and such directions and instructions shall be deemed given to the Contractor in accordance with the Conditions of Contract. The Agent shall not be replaced without the specific approval of the Project Manager/Architect.

It is to be a specific condition of this Contract that the successful bider shall provide on site throughout the period from the completion of the substructure to the Date for Practical Completion a suitably qualified, experienced and competent person to ensure that the works are carried out to the standard required by the specification and detailed on the Drawings; and shall ensure that upon any termination of employment a suitable replacement is found.

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

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

16 All materials shall be new unless otherwise directed or permitted by the Project Manager/Architect and in all cases where the quality of goods or materials is not described or otherwise specified, is to be the best quality obtainable in the ordinary meaning of the word "best" and not merely a trade signification of that word.

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

The Contractor shall order all materials to be obtained from overseas immediately after the Contract is signed and shall also order materials to be obtained from local sources as early as necessary to ensure that such materials are on Site when required for use in the Works.

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

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

17 The Contractor must take all steps necessary to safeguard existing and adjacent property, make good at their own expense any damage to persons or property caused thereon, and hold the Employer indemnified against any such claim arising.

The Contractor will be held fully responsible for the safety of the existing and adjacent buildings and for any damage caused in consequence of these Works. They must reinstate all damages at his own expense and indemnify the Employer against any loss.

The Contractor must take such steps and exercise such care and diligence as to minimize nuisance from dust, noise or any other cause to the occupiers of the existing and adjacent property.

18 Where description of items include a P.C. rate per unit this rate is to cover the net supply cost of the unit only. The Contractor's price must include for the cost of the unit at the rate stated, plus waste, taking delivery, storage, fixing in position, profit and overheads.

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

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

20 The bid documents must be priced in ink.

PRELIMINARIES AND GENERAL ITEMS

INDEX

ITEM	ITEM DESCRIPTION	AMOUNT (US$)
	PREAMBLE TO BILLS OF QUANTITIES	
A	**STAMP CHARGES** The Contractor shall allow for the payment of all Stamp Charges in connection with the Surety Bond and Contract Agreement.	
B	**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.	
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.	
E	**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.	
F	**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.	
G	**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.	
H	**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	
	Carried To Collection US$	

ITEM	ITEM DESCRIPTION	AMOUNT (US$)
I	**SAMPLES** 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.	
J	**CONCRETE TESTS** 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)	
K	**SPACE AND SERVICES FOR THE PROJECT MANAGER/ARCHITECT** 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.	
L	**TELEPHONE** 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.	
M	**SANITATION** 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.	
N	**PLANT, TOOLS AND SCAFFOLDING** 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. 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.	
	Carried To Collection US$	

ITEM	ITEM DESCRIPTION	AMOUNT (US$)
O	**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.	
P	**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.	
Q	**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.	
R	**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.	
S	**ENVIRONMENTAL AND SOCIAL MANAGEMENT** Provide a provisional sum for the costs of implementing the Environmental Managemnet Plan (EMP) that involves the protection, conservation and sustainable use of the various elements or components of the environment such as the following impacts of the construction phase; soil erosion, noise pollution, construction waste, air/dust poluution, storm water, insecurity and health & 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.	
	Carried To Collection US$	

ITEM	ITEM DESCRIPTION	AMOUNT (US$)
	Collection	
	Brought forward from Page 1/2	
	Brought forward from Page 1/3	
	Brought forward from Page 1/4	
	TOTAL FOR SECTION 1: PRELIMINARIES AND GENERAL ITEMS CARRIED TO GRAND SUMMARY **US$**	

BLOCK A

ITEM NO.	DESCRIPTION	UNIT	QUANTITY	RATE (US$)	AMOUNT (US$)
	PROPOSED REHABILITATION OF SECONDARY SCHOOL BUILDING WITH PLAYGROUND - HUDDUR DISTRICT - SOUTH WEST STATE - BAKOOL REGION				
	SECTION 2: BLOCK A				
	ELEMENT NO. 1				
	SUBSTRUCTURES (PROVISIONAL)				
	Excavations including maintaining and supporting sides and keeping free from water, mud and fallen material				
A	Clear the site of all shrubs, grass and excavate top vegetable soil average depth 200mm and deposit on site as directed	SM	68		
B	Excavate to reduce level overall depth not exceeding 1.50m deep	CM	21		
C	Excavate trench for foundation not exceeding 1.50 meters deep, starting from stripped levels	CM	9		
D	Extra over for rock excavations; trench foundation	CM	1		
	Disposal				
E	Return, fill and ram selected excavated material around foundations.	CM	9		
F	Load, wheel and cart deposit and spread surplus excavated material where directed on site at a distance not exceeding 100 meters	CM	21		
	Hardcore or other approved filling, as described				
G	300mm thick well compacted hardcore filling blinded with 25mm thick quarry dust layer to receive surface bed	CM	25		
	Anti-termite treatment				
H	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	68		
	Damp-proof membrane				
I	1000 gauge polythene or other equal and approved damp-proof membrane, laid over blinded hardcore (m.s) with 300mm side and end laps (measured nett-allow for laps)	SM	68		
	Plain concrete class 15 in:				
J	50mm blinding under strip footing	SM	30		
	CARRIED TO COLLECTION AT END OF ELEMENT 1	**US$**			

ITEM NO.	DESCRIPTION	UNIT	QUANTITY	RATE (US$)	AMOUNT (US$)
	Reinforced concrete class (20) as described, in:-				
K	Strip footing	CM	7		
L	150mm Thick surface bed laid in bays including all necessary formwork	SM	68		
	Reinforcement, as described:-[PROVISIONAL]				
	High yield square twisted reinforcement bars to B.S 4461				
A	10mm bars	Kg	206		
	Mesh fabric reinforcement to B.S 4483 and setting in concrete with 300mm side and end laps (measured nett-allow for laps).				
B	Fabric ref. A142 weighing 2.22kg/ sq.metre, in surface bed.	SM	68		
	Sawn formwork as described to:-				
C	To sides of strip footing	SM	19		
D	To edge of ramp and slabs over 75mm but not exceeding 150mm high	LM	37		
	Walling in natural coursed stone obtained from an approved quarry, bedded and jointed in gauged mortar (1:3)				
E	400mm thick walling	SM	11		
	Plinth finish				
F	Plaster for plinth finish	LM	29		
	Painting				
G	Emulsion paint to plinth finish	LM	29		
	CARRIED TO COLLECTION AT END OF ELEMENT 1	**US$**			
	ELEMENT NO. 1 COLLECTION				
	FROM PAGE	2/1			
	FROM PAGE	Above			
	TOTAL CARRIED TO THE END OF SECTION 2	**US$**			

ITEM NO.	DESCRIPTION	UNIT	QUANTITY	RATE (US$)	AMOUNT (US$)
	PROPOSED REHABILITATION OF SECONDARY SCHOOL BUILDING WITH PLAYGROUND - HUDDUR DISTRICT - SOUTH WEST STATE - BAKOOL REGION				
	SECTION 2: BLOCK A				
	ELEMENT NO. 2				
	REINFORCED CONCRETE FRAME				
	Reinforced concrete class 25, as described in:-				
A	Beams and ring beam	CM	7		
	Masonry piers				
B	400 X 400 X 2400mm Thick	LM	5		
	Reinforcement, as described (PROVISIONAL)				
	High yield square twisted reinforcement to BS 4461				
C	8mm ditto	Kg	125		
D	16mm ditto	Kg	234		
	Sawn formwork, as described, to:-				
E	Sides and soffits of beams	SM	48		
	TOTAL CARRIED TO THE END OF SECTION 2	**US$**			

ITEM NO.	DESCRIPTION	UNIT	QUANTITY	RATE (US$)	AMOUNT (US$)
	PROPOSED REHABILITATION OF SECONDARY SCHOOL BUILDING WITH PLAYGROUND - HUDDUR DISTRICT - SOUTH WEST STATE - BAKOOL REGION				
	SECTION 2: BLOCK A				
	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	6		
B	Repair 400mm Thick walls that are not structurally sound	SM	70		
	Precast concrete				
C	Precast concrete permanent ventilation blocks	SM	19		
D	100mm Thick concrete coping twice weathered with drip grooves finished with exterior emulsion paint to approval	LM	20		
	TOTAL CARRIED TO THE END OF SECTION 2	**US$**			

ITEM NO.	DESCRIPTION	UNIT	QUANTITY	RATE (US$)	AMOUNT (US$)
	PROPOSED REHABILITATION OF SECONDARY SCHOOL BUILDING WITH PLAYGROUND - HUDDUR DISTRICT - SOUTH WEST STATE - BAKOOL REGION				
	SECTION 2: BLOCK A				
	ELEMENT NO. 4				
	ROOF CONSTRUCTION AND FINISHES				
	The following in roof trusses with nailed or bolted connections including hoisting and fixing in position not exceeding 3.80meters above ground floor level				
	In sawn treated cypress Grade 2				
	29NO. Truss T37				
A	100x50mm King post	LM	19		
B	150x50mm rafters	LM	306		
C	100x50mm strut or tie	LM	186		
D	100 x 50mm thick tie beam	LM	302		
E	100x50mm wall plate fixed with and including 200mm long 12mm diameter rag bolts cast into beam at 1200mm centres	LM	88		
	Corrugated GI sheets gauge 28, fixed on celcured 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.				
F	Roof covering not exceeding 10 degrees from the horizontal including all necessary fixtures	SM	354		
	Rain water goods				
G	28 gauge mild steel rain water box gutter 250mm girth with and including brackets on 150 X 25mm painted HW facia	LM	68		
H	100mm girth28 gauge mild steel down pipe	LM	15		
I	Extra over shoe	No.	4		
J	Extra over for swan	No.	4		
	TOTAL CARRIED TO THE END OF SECTION 2	**US$**			

ITEM NO.	DESCRIPTION	UNIT	QUANTITY	RATE (US$)	AMOUNT (US$)
	PROPOSED REHABILITATION OF SECONDARY SCHOOL BUILDING WITH PLAYGROUND - HUDDUR DISTRICT - SOUTH WEST STATE - BAKOOL REGION				
	SECTION 2: BLOCK A				
	ELEMENT NO. 5				
	FINISHES				
	15 mm cement and sand (1:3) render, finished with wood float to:-				
A	Concrete or masonry surfaces externally	SM	316		
	12mm (minimum) two coat lime plaster as described to				
B	Concrete or masonry surfaces internally	SM	439		
	Floor Finishes				
	Cement and sand (1:3) screeds, backings, beds etc				
C	40mm thick screed finish	SM	292		
	Ceiling finishes				
D	12mm Thick chip-boarding ceiling on 50X50mm cypress brandering 50X50mm cypress	SM	292		
E	50x25mm cornice plugged	LM	120		
	Painting and decorating				
	Prepare and apply three coats first quality emulsion paint on:-				
F	Plastered walls externally	SM	316		
	Prepare and apply three coats first quality silk vinyl emulsion paint on:-				
G	Plastered surfaces internally	SM	439		
	Prepare and apply three coats first quality emulsion paint on:-				
H	12mm Thick chipboard ceiling on 50 X 50mm cypress brandering at 600mm centres	SM	292		
I	50x25mm cornice plugged	LM	120		
	TOTAL CARRIED TO THE END OF SECTION 2	**US$**			

ITEM NO.	DESCRIPTION	UNIT	QUANTITY	RATE (US$)	AMOUNT (US$)
	PROPOSED REHABILITATION OF SECONDARY SCHOOL BUILDING WITH PLAYGROUND - HUDDUR DISTRICT - SOUTH WEST STATE - BAKOOL REGION				
	SECTION 2: BLOCK A				
	ELEMENT NO. 6				
	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 think weathered and throated and jointed in mortar (1:4)	LM	31		
	Hardwood windows				
	Supply, fix and paint the following windows made from approved hardwood to the architects details and approval				
B	Window size 1000 X 1000mm high	No.	28		
	TOTAL CARRIED TO THE END OF SECTION 2	**US$**			

ITEM NO.	DESCRIPTION	UNIT	QUANTITY	RATE (US$)	AMOUNT (US$)
	PROPOSED REHABILITATION OF SECONDARY SCHOOL BUILDING WITH PLAYGROUND - HUDDUR DISTRICT - SOUTH WEST STATE - BAKOOL REGION				
	SECTION 2: BLOCK A				
	ELEMENT NO. 7				
	DOORS				
	50mm thick mahogany panel doors to Project Manager/Architect's approval				
A	50mm thick door overall size 1000 x 2100mm high	No.	4		
	In-wrot mahogany				
B	150x50mm moulded door frame with 4 labours including fixing dowels and cramps	LM	21		
C	50x25mm architrave	LM	21		
D	25mm quadrant	LM	21		
	Painting and decoration				
	Knot, prime, stop and apply 3coats polyurethane clear vanish:				
E	General surface of doors internally	SM	8		
F	General surface of doors externally	SM	8		
G	Wooden surface 200 - 300mm girth	LM	21		
H	Wooden surface 0 - 100mm girth	LM	21		
	Supply delivery and fix the following ironmongery with matching screws				
I	In pairs, 100 x50mm medium duty brass butt hinges	PR	6		
J	5level mortise door lock	No	4		
K	Rubber door stop plugged to concrete floor	No	4		
	TOTAL CARRIED TO THE END OF SECTION 2	**US$**			

ITEM NO.	DESCRIPTION	UNIT	QUANTITY	RATE (US$)	AMOUNT (US$)
	PROPOSED REHABILITATION OF SECONDARY SCHOOL BUILDING WITH PLAYGROUND - HUDDUR DISTRICT - SOUTH WEST STATE - BAKOOL REGION				
	SECTION 2: BLOCK A				
	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.	22		
	10A moulded ivory switch plates as Crabtree or approved equivalent as follows:				
B	Single pole switch	No.	4		
C	Two gang switch	No.	2		
	LIGHTING FITTINGS				
	Light fitting complete with fixing accessories and lamps as follows:				
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.	20		
B	Flood lamps	No.	2		
	SOCKET OUTLETS AND POWER POINTS				
C	Duplex receptacle point comprising wiring in 3 x 2.5mm2PVC-SCCu cables in concealed in 20mm HG PVC conduits.	No.	4		
	TOTAL CARRIED TO THE END OF SECTION 2	**US$**			

ITEM NO.	DESCRIPTION	UNIT	QUANTITY	RATE (US$)	AMOUNT (US$)
	PROPOSED REHABILITATION OF SECONDARY SCHOOL BUILDING WITH PLAYGROUND - HUDDUR DISTRICT - SOUTH WEST STATE - BAKOOL REGION				
	SECTION 2: BLOCK A				
	MAIN SUMMARY				
	ELEMENT NO. **TITLE**		**PAGE**		
	1 SUBSTRUCTURE		2/2		
	2 REINFORCED CONCRETE FRAME		2/3		
	3 WALLING		2/4		
	4 ROOF CONSTRUCTION AND FINISHES		2/5		
	5 FINISHES		2/6		
	6 WINDOWS		2/7		
	7 DOORS		2/8		
	8 ELECTRICAL INSTALLATIONS		2/9		
	TOTAL FOR SECTION 2: BLOCK A - CARRIED TO GRAND SUMMARY	**US$**			

BLOCK B

ITEM NO.	DESCRIPTION	UNIT	QUANTITY	RATE (US$)	AMOUNT (US$)
	PROPOSED REHABILITATION OF SECONDARY SCHOOL BUILDING WITH PLAYGROUND - HUDDUR DISTRICT - SOUTH WEST STATE - BAKOOL REGION				
	SECTION 3: BLOCK B				
	ELEMENT NO. 1				
	SUBSTRUCTURES (PROVISIONAL)				
	Excavations including maintaining and supporting sides and keeping free from water, mud and fallen material				
A	Clear the site of all shrubs, grass and excavate top vegetable soil average depth 200mm and deposit on site as directed	SM	112		
B	Excavate to reduce level overall depth not exceeding 1.50m deep	CM	34		
C	Excavate trench for foundation not exceeding 1.50 meters deep, starting from stripped levels	CM	15		
D	Extra over for rock excavations; trench foundation	CM	2		
	Disposal				
E	Return, fill and ram selected excavated material around foundations.	CM	15		
F	Load, wheel and cart deposit and spread surplus excavated material where directed on site at a distance not exceeding 100 meters	CM	34		
	Hardcore or other approved filling, as described				
G	300mm thick well compacted hardcore filling blinded with 25mm thick quarry dust layer to receive surface bed	CM	42		
	Anti-termite treatment				
H	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	112		
	Damp-proof membrane				
I	1000 gauge polythene or other equal and approved damp-proof membrane, laid over blinded hardcore (m.s) with 300mm side and end laps (measured nett-allow for laps)	SM	112		
	Plain concrete class 15 in:				
J	50mm blinding under strip footing	SM	55		
	CARRIED TO COLLECTION AT END OF ELEMENT 1	**US$**			

ITEM NO.	DESCRIPTION	UNIT	QUANTITY	RATE (US$)	AMOUNT (US$)
	Reinforced concrete class (20) as described, in:-				
K	Strip footing	CM	14		
L	150mm Thick surface bed laid in bays including all necessary formwork	SM	112		
	Reinforcement, as described:-[PROVISIONAL]				
	High yield square twisted reinforcement bars to B.S 4461				
A	10mm bars	Kg	378		
	Mesh fabric reinforcement to B.S 4483 and setting in concrete with 300mm side and end laps (measured nett-allow for laps).				
B	Fabric ref. A142 weighing 2.22kg/ sq.metre, in surface bed.	SM	112		
	Sawn formwork as described to:-				
C	To sides of strip footing	SM	34		
D	To edge of ramp and slabs over 75mm but not exceeding 150mm high	LM	68		
	Walling in natural coursed stone obtained from an approved quarry, bedded and jointed in gauged mortar (1:3)				
E	400mm thick walling	SM	34		
	Damp-proof courses, as described, to walls				
F	400mm wide	LM	32		
	CARRIED TO COLLECTION AT END OF ELEMENT 1	**US$**			
	ELEMENT NO. 1 COLLECTION				
	FROM PAGE	3/1			
	FROM PAGE	Above			
	TOTAL CARRIED TO THE END OF SECTION 3	**US$**			

ITEM NO.	DESCRIPTION	UNIT	QUANTITY	RATE (US$)	AMOUNT (US$)
	PROPOSED REHABILITATION OF SECONDARY SCHOOL BUILDING WITH PLAYGROUND - HUDDUR DISTRICT - SOUTH WEST STATE - BAKOOL REGION				
	SECTION 3: BLOCK B				
	ELEMENT NO. 2				
	REINFORCED CONCRETE FRAME				
	Reinforced concrete class 25, as described in:-				
A	Beams and ring beam	CM	8		
	Reinforcement, as described (PROVISIONAL)				
	High yield square twisted reinforcement to BS 4461				
B	8mm ditto	Kg	111		
C	16mm ditto	Kg	207		
	Sawn formwork, as described, to:-				
D	Sides and soffits of beams	SM	43		
	TOTAL CARRIED TO THE END OF SECTION 3	**US$**			

ITEM NO.	DESCRIPTION	UNIT	QUANTITY	RATE (US$)	AMOUNT (US$)
	PROPOSED REHABILITATION OF SECONDARY SCHOOL BUILDING WITH PLAYGROUND - HUDDUR DISTRICT - SOUTH WEST STATE - BAKOOL REGION				
	SECTION 3: BLOCK B				
	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	89		
B	400mm thick walling internally	SM	48		
	Precast concrete				
C	Precast concrete permanent ventilation blocks	SM	22		
D	100mm Thick concrete coping twice weathered with drip grooves finished with exterior emulsion paint to approval	LM	34		
	TOTAL CARRIED TO THE END OF SECTION 3	**US$**			

ITEM NO.	DESCRIPTION	UNIT	QUANTITY	RATE (US$)	AMOUNT (US$)
	PROPOSED REHABILITATION OF SECONDARY SCHOOL BUILDING WITH PLAYGROUND - HUDDUR DISTRICT - SOUTH WEST STATE - BAKOOL REGION				
	SECTION 3: BLOCK B				
	ELEMENT NO. 4				
	ROOF CONSTRUCTION AND FINISHES				
	The following in roof trusses with nailed or bolted connections including hoisting and fixing in position not exceeding 3.40meters above ground floor level				
	In sawn treated cypress Grade 2				
	18NO. Truss T1				
A	100x50mm King post	LM	25		
B	150x50mm rafters	LM	316		
C	100x50mm strut or tie	LM	261		
D	100 x 50mm thick tie beam	LM	319		
E	100x50mm wall plate fixed with and including 200mm long 12mm diameter rag bolts cast into beam at 1200mm centres	LM	103		
	Corrugated GI sheets gauge 28, fixed on celcured 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.				
F	Roof covering not exceeding 10 degrees from the horizontal including all necessary fixtures	SM	368		
	Rain water goods				
G	28 gauge mild steel rain water box gutter 250mm girth with and including brackets on 150 X 25mm painted HW facia	LM	87		
H	100mm girth28 gauge mild steel down pipe	LM	16		
I	Extra over shoe	No.	4		
J	Extra over for swan	No.	4		
	TOTAL CARRIED TO THE END OF SECTION 3	**US$**			

ITEM NO.	DESCRIPTION	UNIT	QUANTITY	RATE (US$)	AMOUNT (US$)
	PROPOSED REHABILITATION OF SECONDARY SCHOOL BUILDING WITH PLAYGROUND - HUDDUR DISTRICT - SOUTH WEST STATE - BAKOOL REGION				
	SECTION 3: BLOCK B				
	ELEMENT NO. 5				
	FINISHES				
	15 mm cement and sand (1:3) render, finished with wood float to:-				
A	Concrete or masonry surfaces externally	SM	326		
	12mm (minimum) two coat lime plaster as described to				
B	Concrete or masonry surfaces internally	SM	497		
	Floor Finishes				
	Cement and sand (1:3) screeds, backings, beds etc				
C	40mm thick screed finish	SM	239		
	Ceiling finishes				
D	12mm Thick chip-boarding ceiling on 50X50mm cypress brandering 50X50mm cypress	SM	235		
E	50x25mm cornice plugged	LM	185		
	Painting and decorating				
	Prepare and apply three coats first quality emulsion paint on:-				
F	Plastered walls externally	SM	326		
	Prepare and apply three coats first quality silk vinyl emulsion paint on:-				
G	Plastered surfaces internally	SM	497		
	Prepare and apply three coats first quality emulsion paint on:-				
H	Chipboard ceiling	SM	235		
I	50x25mm cornice plugged	LM	185		
	TOTAL CARRIED TO THE END OF SECTION 3	**US$**			

ITEM NO.	DESCRIPTION	UNIT	QUANTITY	RATE (US$)	AMOUNT (US$)
	PROPOSED REHABILITATION OF SECONDARY SCHOOL BUILDING WITH PLAYGROUND - HUDDUR DISTRICT - SOUTH WEST STATE - BAKOOL REGION				
	SECTION 3: BLOCK B				
	ELEMENT NO. 6				
	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 think weathered and throated and jointed in mortar (1:4)	LM	31		
	Hardwood windows				
	10A moulded ivory switch plates as Crabtree or approved equivalent as follows:				
B	Window size 1000 X 1200mm high	No.	25		
C	Window size 1000 X 800mm high	No.	3		
	TOTAL CARRIED TO THE END OF SECTION 3	**US$**			

ITEM NO.	DESCRIPTION	UNIT	QUANTITY	RATE (US$)	AMOUNT (US$)
	PROPOSED REHABILITATION OF SECONDARY SCHOOL BUILDING WITH PLAYGROUND - HUDDUR DISTRICT - SOUTH WEST STATE - BAKOOL REGION				
	SECTION 3: BLOCK B				
	ELEMENT NO. 7				
	DOORS				
	50mm thick mahogany panel doors to Project Manager/Architect's approval				
A	50mm thick door overall size 1000 x 2100mm high	No.	7		
B	50mm thick door overall size 1200 x 2100mm high	No.	1		
	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				
C	1000x2100mm high	No.	3		
	In-wrot mahogany				
D	150x50mm moulded door frame with 4 labours including fixing dowels and cramps	LM	50		
E	50x25mm architrave	LM	50		
F	25mm quadrant	LM	50		
	Painting and decoration				
	Knot, prime, stop and apply 3coats polyurethane clear vanish:				
G	General surface of doors internally	SM	18		
H	General surface of doors externally	SM	18		
I	Wooden surface 200 - 300mm girth	LM	50		
J	Wooden surface 0 - 100mm girth	LM	50		
	Supply delivery and fix the following ironmongery with matching screws				
K	In pairs, 100 x50mm medium duty brass butt hinges	PR	18		
L	5level mortise door lock	No	8		
M	2level mortise door lock	No	3		
N	Rubber door stop plugged to concrete floor	No	12		
	TOTAL CARRIED TO THE END OF SECTION 3	**US$**			

ITEM NO.	DESCRIPTION	UNIT	QUANTITY	RATE (US$)	AMOUNT (US$)
	PROPOSED REHABILITATION OF SECONDARY SCHOOL BUILDING WITH PLAYGROUND - HUDDUR DISTRICT - SOUTH WEST STATE - BAKOOL REGION				
	SECTION 3: BLOCK B				
	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.	3		
	Vanity Wash-hand basin				
B	White countertop wash- hand basin size 500x410mm with one central taphole,.Basin to be as Twyfords Refresh	No.	3		
C	32mm trap	No.	3		
	Angle Valves				
D	1/2" Chrome plated angle regulating valve with 350 mm long service connection	No.	3		
	Testing & Commissioning				
E	Allow for setting to work, testing and commissioning.	Item			
	INTERNAL PLUMBING				
	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.				
	Cold Water				
A	40mm diameter PPR Pipes surface mounted	LM	8		
B	50mm diameter PPR Pipes surface mounted	LM	5		
C	75mm diameter PPR Pipes surface mounted	LM	4		
	Extra over PPR tubing for the following:				
D	40mm diameter PPR 90° elbow	No.	4		
	CARRIED TO COLLECTION AT END OF ELEMENT 8	**US$**			

ITEM NO.	DESCRIPTION	UNIT	QUANTITY	RATE (US$)	AMOUNT (US$)
	Tees				
E	40mm diameter PPR equal tee	No.	18		
	Reducer Tees				
F	40x32mm diameter PPR reducer coupling	No.	14		
G	75X50mm diameter PPR reducer coupling	No.	1		
	Gate Valves				
H	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.	2		
I	Water Check meter	No.	1		
	Water tank				
J	Provide UPVC CWS tanks on HW bearers to SE details each 2500L	No.	2		
K	Contingency sum for plumbing works	Item			
	CARRIED TO COLLECTION AT END OF ELEMENT 8	**US$**			
	ELEMENT NO. 8 COLLECTION				
	FROM PAGE	3/9			
	FROM PAGE	Above			
	TOTAL CARRIED TO THE END OF SECTION 3	**US$**			

ITEM NO.	DESCRIPTION	UNIT	QUANTITY	RATE (US$)	AMOUNT (US$)
	PROPOSED REHABILITATION OF SECONDARY SCHOOL BUILDING WITH PLAYGROUND - HUDDUR DISTRICT - SOUTH WEST STATE - BAKOOL REGION				
	SECTION 3: BLOCK B				
	ELEMENT NO. 9				
	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.	27		
B	Bell point points wired in 3x1.5mm 2 PVC insulated single core (SC) copper wires drawn in 20mm dia. HG PVC conduit *10A moulded ivory switch plates as Crabtree or approved equivalent as follows:*	No.	1		
C	Single pole switch	No.	7		
D	Two gang switch	No.	3		
E	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 with clip-on cover plate and adjustable end ca system. As Thorn Popular Pack Batten or approved equivalent	No.	18		
B	10 A 3-plate ceiling mounted light fixture complete with rose, BC lamp holder and flexible cord.	No.	3		
C	Flood lamps	No.	3		
	SOCKET OUTLETS AND POWER POINTS				
C	Duplex receptacle point comprising wiring in 3 x 2.5mm2PVC-SCCu cables in concealed in 20mm HG PVC conduits.	No.	14		
	CARRIED TO COLLECTION AT END OF ELEMENT 9	**US$**			

ITEM NO.	DESCRIPTION	UNIT	QUANTITY	RATE (US$)	AMOUNT (US$)
	Single pole Miniature Circuit Breakers to fit into the above consumer unit as follows:				
J	5A SP	No.	1		
K	20A SP	No.	1		
L	Blanking plates	No.	1		
	SUB-MAINS CABLES AND OTHER ITEMS				
A	3 X 16.0mm2 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 6.0mm2 single-core copper cables drawn inside HG conduits, 1500mm by 15mm diameter copper electrode complete with clamp and a pre-cast concrete inspection pit with cover.	Item			
F	Door bell point wired in 3 x 1.5 sq.mm cables in conduit	No.	1		
G	Bell push as Crabtree or approved equivalent	No.	1		
H	Electric bell/chime to Project Manager/Architect's's approval	No.	1		
I	Earthing for the 1 nos DBs and 25 nos CU	Item			
J	Allow for attendance and follow up for power services comprising of application for service line, service line installation and connections to meters.	Item			
K	Test the completed lightning protection system and log in results	Item			
L	Allow for connecting power source to authorities	Item			
M	Contingency sum for electrical works	Item			
	CARRIED TO COLLECTION AT END OF ELEMENT 9	**US$**			
	ELEMENT NO. 9 COLLECTION				
	FROM PAGE	3/11			
	FROM PAGE	Above			
	TOTAL CARRIED TO THE END OF SECTION 3	**US$**			

ITEM NO.	DESCRIPTION	UNIT	QUANTITY	RATE (US$)	AMOUNT (US$)
	PROPOSED REHABILITATION OF SECONDARY SCHOOL BUILDING WITH PLAYGROUND - HUDDUR DISTRICT - SOUTH WEST STATE - BAKOOL REGION				
	SECTION 3: BLOCK B				
	MAIN SUMMARY				
	ELEMENT NO. **TITLE**		**PAGE**		
	1 SUBSTRUCTURE		3/2		
	2 REINFORCED CONCRETE FRAME		3/3		
	3 WALLING		3/4		
	4 ROOF CONSTRUCTION AND FINISHES		3/5		
	5 FINISHES		3/6		
	6 WINDOWS		3/7		
	7 DOORS		3/8		
	8 PLUMBING & DRAINAGE INSTALLATIONS		3/10		
	9 ELECTRICAL INSTALLATIONS		3/12		
	TOTAL FOR SECTION 3: BLOCK B - CARRIED TO GRAND SUMMARY	**US$**			

BLOCK C

ITEM NO.	DESCRIPTION	UNIT	QUANTITY	RATE (US$)	AMOUNT (US$)
	PROPOSED REHABILITATION OF SECONDARY SCHOOL BUILDING WITH PLAYGROUND - HUDDUR DISTRICT - SOUTH WEST STATE - BAKOOL REGION				
	SECTION 4: BLOCK C				
	ELEMENT NO. 1				
	SUBSTRUCTURES (PROVISIONAL)				
	Excavations including maintaining and supporting sides and keeping free from water, mud and fallen material				
A	Clear the site of all shrubs, grass and excavate top vegetable soil average depth 200mm and deposit on site as directed	SM	76		
B	Excavate to reduce level overall depth not exceeding 1.50m deep	CM	22		
C	Excavate trench for foundation not exceeding 1.50 meters deep, starting from stripped levels	CM	10		
D	Extra over for rock excavations; trench foundation	CM	1		
	Disposal				
E	Return, fill and ram selected excavated material around foundations.	CM	10		
F	Load, wheel and cart deposit and spread surplus excavated material where directed on site at a distance not exceeding 100 meters	CM	22		
	Hardcore or other approved filling, as described				
G	300mm thick well compacted hardcore filling blinded with 25mm thick quarry dust layer to receive surface bed	CM	28		
	Anti-termite treatment				
H	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	76		
	Damp-proof membrane				
I	1000 gauge polythene or other equal and approved damp-proof membrane, laid over blinded hardcore (m.s) with 300mm side and end laps (measured nett-allow for laps)	SM	76		
	Plain concrete class 15 in:				
J	50mm blinding under strip footing	SM	33		
	CARRIED TO COLLECTION AT END OF ELEMENT 1	**US$**			

ITEM NO.	DESCRIPTION	UNIT	QUANTITY	RATE (US$)	AMOUNT (US$)
	Reinforced concrete class (20) as described, in:-				
K	Strip footing	CM	8		
L	150mm Thick surface bed laid in bays including all necessary formwork	SM	76		
	Reinforcement, as described:-[PROVISIONAL]				
	High yield square twisted reinforcement bars to B.S 4461				
A	10mm bars	Kg	266		
	Mesh fabric reinforcement to B.S 4483 and setting in concrete with 300mm side and end laps (measured nett-allow for laps).				
B	Fabric ref. A142 weighing 2.22kg/ sq.metre, in surface bed.	SM	76		
	Sawn formwork as described to:-				
C	To sides of strip footing	SM	21		
D	To edge of ramp and slabs over 75mm but not exceeding 150mm high	LM	41		
	Walling in natural coursed stone obtained from an approved quarry, bedded and jointed in gauged mortar (1:3)				
E	400mm thick walling	SM	21		
	Damp-proof courses, as described, to walls				
F	400mm wide	LM	32		
	CARRIED TO COLLECTION AT END OF ELEMENT 1	**US$**			
	ELEMENT NO. 1 COLLECTION				
	FROM PAGE	4/1			
	FROM PAGE	Above			
	TOTAL CARRIED TO THE END OF SECTION 4	**US$**			

ITEM NO.	DESCRIPTION	UNIT	QUANTITY	RATE (US$)	AMOUNT (US$)
	PROPOSED REHABILITATION OF SECONDARY SCHOOL BUILDING WITH PLAYGROUND - HUDDUR DISTRICT - SOUTH WEST STATE - BAKOOL REGION				
	SECTION 4: BLOCK C				
	ELEMENT NO. 2				
	REINFORCED CONCRETE FRAME				
	Reinforced concrete class 25, as described in:-				
A	Beams and ring beam	CM	6		
	Reinforcement, as described (PROVISIONAL)				
	High yield square twisted reinforcement to BS 4461				
B	8mm ditto	Kg	139		
C	16mm ditto	Kg	101		
	Sawn formwork, as described, to:-				
D	Sides and soffits of beams	SM	43		
	TOTAL CARRIED TO THE END OF SECTION 4	**US$**			

ITEM NO.	DESCRIPTION	UNIT	QUANTITY	RATE (US$)	AMOUNT (US$)
	PROPOSED REHABILITATION OF SECONDARY SCHOOL BUILDING WITH PLAYGROUND - HUDDUR DISTRICT - SOUTH WEST STATE - BAKOOL REGION				
	SECTION 4: BLOCK C				
	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	12		
B	400mm thick walling internally	SM	48		
	Precast concrete				
C	Precast concrete permanent ventilation blocks	SM	22		
D	100mm Thick concrete coping twice weathered with drip grooves finished with exterior emulsion paint to approval	LM	20		
	TOTAL CARRIED TO THE END OF SECTION 4	**US$**			

ITEM NO.	DESCRIPTION	UNIT	QUANTITY	RATE (US$)	AMOUNT (US$)
	PROPOSED REHABILITATION OF SECONDARY SCHOOL BUILDING WITH PLAYGROUND - HUDDUR DISTRICT - SOUTH WEST STATE - BAKOOL REGION				
	SECTION 4: BLOCK C				
	ELEMENT NO. 4				
	ROOF CONSTRUCTION AND FINISHES				
	The following in roof trusses with nailed or bolted connections including hoisting and fixing in position not exceeding 3.40meters above ground floor level				
	In sawn treated cypress Grade 2				
	18NO. Truss T1				
A	100x50mm King post	LM	24		
B	150x50mm rafters	LM	366		
C	100x50mm strut or tie	LM	225		
D	100 x 50mm thick tie beam	LM	360		
E	100x50mm wall plate fixed with and including 200mm long 12mm diameter rag bolts cast into beam at 1200mm centres	LM	112		
	Corrugated GI sheets gauge 28, fixed on celcured 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.				
F	Roof covering not exceeding 10 degrees from the horizontal including all necessary fixtures	SM	441		
	Rain water goods				
G	28 gauge mild steel rain water box gutter 250mm girth with and including brackets on 150 X 25mm painted HW facia	LM	89		
H	100mm girth28 gauge mild steel down pipe	LM	16		
I	Extra over shoe	No.	4		
J	Extra over for swan	No.	4		
	TOTAL CARRIED TO THE END OF SECTION 4	**US$**			

ITEM NO.	DESCRIPTION	UNIT	QUANTITY	RATE (US$)	AMOUNT (US$)
	PROPOSED REHABILITATION OF SECONDARY SCHOOL BUILDING WITH PLAYGROUND - HUDDUR DISTRICT - SOUTH WEST STATE - BAKOOL REGION				
	SECTION 4: BLOCK C				
	ELEMENT NO. 5				
	FINISHES				
	15 mm cement and sand (1:3) render, finished with wood float to:-				
A	Concrete or masonry surfaces externally	SM	358		
	12mm (minimum) two coat lime plaster as described to				
B	Concrete or masonry surfaces internally	SM	1,000		
	Floor Finishes				
	Cement and sand (1:3) screeds, backings, beds etc				
C	40mm thick screed finish	SM	410		
	Ceiling finishes				
D	12mm Thick chip-boarding ceiling on 50X50mm cypress brandering 50X50mm cypress	SM	407		
E	50x25mm cornice plugged	LM	217		
	Painting and decorating				
	Prepare and apply three coats first quality emulsion paint on:-				
F	Plastered walls externally	SM	358		
	Prepare and apply three coats first quality silk vinyl emulsion paint on:-				
G	Plastered surfaces internally	SM	1,000		
	Prepare and apply three coats first quality emulsion paint on:-				
H	Chipboard ceiling	SM	407		
I	50x25mm cornice plugged	LM	217		
	TOTAL CARRIED TO THE END OF SECTION 4	**US$**			

ITEM NO.	DESCRIPTION	UNIT	QUANTITY	RATE (US$)	AMOUNT (US$)
	PROPOSED REHABILITATION OF SECONDARY SCHOOL BUILDING WITH PLAYGROUND - HUDDUR DISTRICT - SOUTH WEST STATE - BAKOOL REGION				
	SECTION 4: BLOCK C				
	ELEMENT NO. 6				
	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 think weathered and throated and jointed in mortar (1:4)	LM	33		
	Hardwood windows				
	10A moulded ivory switch plates as Crabtree or approved equivalent as follows:				
B	Window size 1000 X 1000mm high	No.	26		
C	Window size 1000 X 800mm high	No.	4		
	TOTAL CARRIED TO THE END OF SECTION 4	**US$**			

ITEM NO.	DESCRIPTION	UNIT	QUANTITY	RATE (US$)	AMOUNT (US$)
	PROPOSED REHABILITATION OF SECONDARY SCHOOL BUILDING WITH PLAYGROUND - HUDDUR DISTRICT - SOUTH WEST STATE - BAKOOL REGION				
	SECTION 4: BLOCK C				
	ELEMENT NO. 7				
	DOORS				
	50mm thick mahogany panel doors to Project Manager/Architect's approval				
A	50mm thick door overall size 1000 x 2100mm high	No.	6		
	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				
B	1000x2100mm high	No.	8		
	In-wrot mahogany				
C	150x50mm moulded door frame with 4 labours including fixing dowels and cramps	LM	73		
D	50x25mm architrave	LM	73		
E	25mm quadrant	LM	73		
	Painting and decoration				
	Knot, prime, stop and apply 3coats polyurethane clear vanish:				
F	General surface of doors internally	SM	29		
G	General surface of doors externally	SM	29		
H	Wooden surface 200 - 300mm girth	LM	73		
I	Wooden surface 0 - 100mm girth	LM	73		
	Supply delivery and fix the following ironmongery with matching screws				
J	In pairs, 100 x50mm medium duty brass butt hinges	PR	21		
K	5level mortise door lock	No	6		
L	2level mortise door lock	No	8		
M	Rubber door stop plugged to concrete floor	No	14		
	TOTAL CARRIED TO THE END OF SECTION 4	**US$**			

ITEM NO.	DESCRIPTION	UNIT	QUANTITY	RATE (US$)	AMOUNT (US$)
	PROPOSED REHABILITATION OF SECONDARY SCHOOL BUILDING WITH PLAYGROUND - HUDDUR DISTRICT - SOUTH WEST STATE - BAKOOL REGION				
	SECTION 4: BLOCK C				
	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.	3		
	Vanity Wash-hand basin				
B	White countertop wash- hand basin size 500x410mm with one central taphole,.Basin to be as Twyfords Refresh	No.	3		
C	32mm trap	No.	3		
	Angle Valves				
D	1/2" Chrome plated angle regulating valve with 350 mm long service connection	No.	3		
	Testing & Commissioning				
E	Allow for setting to work, testing and commissioning.	Item			
	INTERNAL PLUMBING				
	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.				
	Cold Water				
A	40mm diameter PPR Pipes surface mounted	LM	8		
B	50mm diameter PPR Pipes surface mounted	LM	5		
C	75mm diameter PPR Pipes surface mounted	LM	4		
	Extra over PPR tubing for the following:				
D	40mm diameter PPR 90° elbow	No.	4		
	CARRIED TO COLLECTION AT END OF ELEMENT 8	**US$**			

ITEM NO.	DESCRIPTION	UNIT	QUANTITY	RATE (US$)	AMOUNT (US$)
	Tees				
E	40mm diameter PPR equal tee	No.	5		
	Reducer Tees				
F	40x32mm diameter PPR reducer coupling	No.	6		
G	50X40mm diameter PPR reducer coupling	No.	3		
H	75X50mm diameter PPR reducer coupling	No.	1		
	Gate Valves				
H	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.	2		
I	Water Check meter	No.	1		
	Water tank				
J	Provide UPVC CWS tanks on HW bearers to SE details each 1500L	No.	1		
K	Contingency sum for plumbing works	Item			
	CARRIED TO COLLECTION AT END OF ELEMENT 8	**US$**			
	ELEMENT NO. 8 COLLECTION				
	FROM PAGE	4/9			
	FROM PAGE	Above			
	TOTAL CARRIED TO THE END OF SECTION 4	**US$**			

ITEM NO.	DESCRIPTION	UNIT	QUANTITY	RATE (US$)	AMOUNT (US$)
	PROPOSED REHABILITATION OF SECONDARY SCHOOL BUILDING WITH PLAYGROUND - HUDDUR DISTRICT - SOUTH WEST STATE - BAKOOL REGION				
	SECTION 4: BLOCK C				
	ELEMENT NO. 9				
	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.	27		
B	Bell point points wired in 3x1.5mm 2 PVC insulated single core (SC) copper wires drawn in 20mm dia. HG PVC conduit *10A moulded ivory switch plates as Crabtree or approved equivalent as follows:*	No.	1		
C	Single pole switch	No.	7		
D	Two gang switch	No.	3		
E	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 with clip-on cover plate and adjustable end ca system. As Thorn Popular Pack Batten or approved equivalent	No.	18		
B	10 A 3-plate ceiling mounted light fixture complete with rose, BC lamp holder and flexible cord.	No.	3		
C	Flood lamps	No.	3		
	SOCKET OUTLETS AND POWER POINTS				
C	Duplex receptacle point comprising wiring in 3 x 2.5mm2PVC-SCCu cables in concealed in 20mm HG PVC conduits.	No.	14		
	TOTAL CARRIED TO THE END OF SECTION 4	**US$**			

ITEM NO.	DESCRIPTION	UNIT	QUANTITY	RATE (US$)	AMOUNT (US$)
	PROPOSED REHABILITATION OF SECONDARY SCHOOL BUILDING WITH PLAYGROUND - HUDDUR DISTRICT - SOUTH WEST STATE - BAKOOL REGION				
	SECTION 4: BLOCK C				
	MAIN SUMMARY				
	ELEMENT NO. **TITLE**		**PAGE**		
	1 SUBSTRUCTURE		4/2		
	2 REINFORCED CONCRETE FRAME		4/3		
	3 WALLING		4/4		
	4 ROOF CONSTRUCTION AND FINISHES		4/5		
	5 FINISHES		4/6		
	6 WINDOWS		4/7		
	7 DOORS		4/8		
	8 PLUMBING & DRAINAGE INSTALLATIONS		4/10		
	9 ELECTRICAL INSTALLATIONS		4/11		
	TOTAL FOR SECTION 4: BLOCK C - CARRIED TO GRAND SUMMARY	**US$**			

BLOCK D

ITEM NO.	DESCRIPTION	UNIT	QUANTITY	RATE (US$)	AMOUNT (US$)
	PROPOSED REHABILITATION OF SECONDARY SCHOOL BUILDING WITH PLAYGROUND - HUDDUR DISTRICT - SOUTH WEST STATE - BAKOOL REGION				
	SECTION 5: BLOCK D				
	ELEMENT NO. 1				
	SUBSTRUCTURES (PROVISIONAL)				
	Excavations including maintaining and supporting sides and keeping free from water, mud and fallen material				
A	Bulk excavation to reduce level overall depth not exceeding 1.5m deep	CM	125		
B	Excavate trench for foundation not exceeding 1.50 meters deep, starting from stripped levels	CM	28		
C	Extra over for rock excavations	CM	13		
	Disposal				
D	Return, fill and ram selected excavated material around foundations.	CM	7		
E	Load, wheel and cart deposit and spread surplus excavated material where directed on site at a distance not exceeding 100 meters	CM	132		
	Anti-termite treatment				
F	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	28		
	Plain concrete class 15 in:				
G	50mm blinding under strip footing	SM	28		
	Reinforced concrete class (20) as described, in:-				
H	Strip footing	CM	7		
I	150mm Thick surface bed laid in bays including all necessary formwork	SM	51		
	Reinforcement, as described:-[PROVISIONAL]				
	High yield square twisted reinforcement bars to B.S 4461				
J	10mm bars	Kg	613		
	CARRIED TO COLLECTION AT END OF ELEMENT 1	**US$**			

ITEM NO.	DESCRIPTION	UNIT	QUANTITY	RATE (US$)	AMOUNT (US$)
	Mesh fabric reinforcement to B.S 4483 and setting in concrete with 300mm side and end laps (measured nett-allow for laps).				
A	Fabric ref. A142 weighing 2.22kg/ sq.metre, in surface bed.	SM	51		
	Sawn formwork as described to:-				
B	To sides of strip footing	SM	18		
C	To edge of slabs over 75mm but not exceeding 150mm high	LM	29		
D	To floor slab suspended	SM	51		
	Walling in natural coursed stone obtained from an approved quarry, bedded and jointed in gauged mortar (1:3)				
E	400mm thick walling	SM	21		
	Damp-proof courses, as described, to walls				
F	400mm wide	LM	35		
	CARRIED TO COLLECTION AT END OF ELEMENT 1	**US$**			
	ELEMENT NO. 1 COLLECTION				
	FROM PAGE	5/1			
	FROM PAGE	Above			
	TOTAL CARRIED TO THE END OF SECTION 5	**US$**			

ITEM NO.	DESCRIPTION	UNIT	QUANTITY	RATE (US$)	AMOUNT (US$)
	PROPOSED REHABILITATION OF SECONDARY SCHOOL BUILDING WITH PLAYGROUND - HUDDUR DISTRICT - SOUTH WEST STATE - BAKOOL REGION				
	SECTION 5: BLOCK D				
	ELEMENT NO. 2				
	REINFORCED CONCRETE FRAME				
	Reinforced concrete class 25, as described in:-				
A	Beams and ring beam	CM	6		
B	Suspended slab	CM	8		
	Reinforcement, as described (PROVISIONAL)				
	High yield square twisted reinforcement to BS 4461				
C	8mm ditto	Kg	80		
D	10mm ditto	Kg	470		
E	16mm ditto	Kg	212		
	Sawn formwork, as described, to:-				
F	Sides and soffits of beams	SM	43		
G	Soffits of suspended slab	SM	51		
H	Edges of suspended slab 150mm high	LM	29		
	TOTAL CARRIED TO THE END OF SECTION 5	**US$**			

ITEM NO.	DESCRIPTION	UNIT	QUANTITY	RATE (US$)	AMOUNT (US$)
	PROPOSED REHABILITATION OF SECONDARY SCHOOL BUILDING WITH PLAYGROUND - HUDDUR DISTRICT - SOUTH WEST STATE - BAKOOL REGION				
	SECTION 5: BLOCK D				
	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	83		
B	400mm thick walling internally	SM	25		
C	200mm thick walling internally	SM	26		
	Precast concrete				
D	Precast concrete permanent ventilation blocks	SM	14		
	TOTAL CARRIED TO THE END OF SECTION 5	**US$**			

ITEM NO.	DESCRIPTION	UNIT	QUANTITY	RATE (US$)	AMOUNT (US$)
	PROPOSED REHABILITATION OF SECONDARY SCHOOL BUILDING WITH PLAYGROUND - HUDDUR DISTRICT - SOUTH WEST STATE - BAKOOL REGION				
	SECTION 5: BLOCK D				
	ELEMENT NO. 4				
	ROOF CONSTRUCTION AND FINISHES				
	Flat Roofing				
A	50mm thick, prepared to receive water-proofing compound laid to falls n.e 10 degrees from horizontal	CM	3		
	Waterproofing				
	Aproved water-proofing trearment to concrete surface applied strictly to manufacturer's instruction				
B	Waterproofing to flat roofs	SM	51		
	TOTAL CARRIED TO THE END OF SECTION 5	**US$**			

ITEM NO.	DESCRIPTION	UNIT	QUANTITY	RATE (US$)	AMOUNT (US$)
	PROPOSED REHABILITATION OF SECONDARY SCHOOL BUILDING WITH PLAYGROUND - HUDDUR DISTRICT - SOUTH WEST STATE - BAKOOL REGION				
	SECTION 5: BLOCK D				
	ELEMENT NO. 5				
	FINISHES				
	15 mm cement and sand (1:3) render, finished with wood float to:-				
A	Concrete or masonry surfaces externally	SM	83		
	12mm (minimum) two coat lime plaster as described to				
B	Concrete or masonry surfaces internally	SM	136		
	Floor Finishes				
	Cement and sand (1:3) screeds, backings, beds etc				
C	40mm thick screed finish	SM	51		
	Concrete or masonry surfaces externally				
D	Plaster to suspended slab	SM	51		
	Painting and decorating				
	Prepare and apply three coats first quality emulsion paint on:-				
E	Plastered walls externally	SM	83		
	Prepare and apply three coats first quality silk vinyl emulsion paint on:-				
F	Plastered surfaces internally	SM	136		
G	Plastered soffits of suspended slab	SM	51		
	TOTAL CARRIED TO THE END OF SECTION 5	**US$**			

ITEM NO.	DESCRIPTION	UNIT	QUANTITY	RATE (US$)	AMOUNT (US$)
	PROPOSED REHABILITATION OF SECONDARY SCHOOL BUILDING WITH PLAYGROUND - HUDDUR DISTRICT - SOUTH WEST STATE - BAKOOL REGION				
	SECTION 5: BLOCK D				
	ELEMENT NO. 6				
	WINDOWS				
	Hardwood windows				
	Supply, fix and paint the following windows made from approved hardwood to the architects details and approval				
A	Window size 1000 X 800mm high	No.	10		
	TOTAL CARRIED TO THE END OF SECTION 5	**US$**			

ITEM NO.	DESCRIPTION	UNIT	QUANTITY	RATE (US$)	AMOUNT (US$)
	PROPOSED REHABILITATION OF SECONDARY SCHOOL BUILDING WITH PLAYGROUND - HUDDUR DISTRICT - SOUTH WEST STATE - BAKOOL REGION				
	SECTION 5: BLOCK D				
	ELEMENT NO. 7				
	DOORS				
	50mm thick mahogany panel doors to Project Manager/Architect's approval				
A	50mm thick door overall size 1000 x 2100mm high	No.	2		
	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				
B	Ditto but 900x2100mm high	No.	10		
	In wrot mahogany				
C	150x50mm moulded door frame with 4 labours including fixing dowels and cramps	LM	57		
D	50x25mm architrave	LM	57		
E	25mm quadrant	LM	57		
	Painting and decoration				
	Knot, prime, stop and apply 3coats polyurethane clear vanish:				
F	General surface of doors internally	SM	23		
G	General surface of doors externally	SM	23		
H	Wooden surface 200 - 300mm girth	LM	57		
I	Wooden surface 0 - 100mm girth	LM	57		
	Supply delivery and fix the following ironmongery with matching screws				
J	In pairs, 100 x50mm medium duty brass butt hinges	PR	18		
K	2level mortise door lock	No	12		
L	Rubber door stop plugged to concrete floor	No	12		
	TOTAL CARRIED TO THE END OF SECTION 5	**US$**			

ITEM NO.	DESCRIPTION	UNIT	QUANTITY	RATE (US$)	AMOUNT (US$)
	PROPOSED REHABILITATION OF SECONDARY SCHOOL BUILDING WITH PLAYGROUND - HUDDUR DISTRICT - SOUTH WEST STATE - BAKOOL REGION				
	SECTION 5: BLOCK D				
	ELEMENT NO. 8				
	PLUMBING INSTALLATION & SERVICES				
	SANITARY WARE				
	Take delivery and Install Only the following appliances				
	WC suite				
	Vanity Wash-hand basin				
A	White countertop wash- hand basin size 500x410mm with one central taphole,.Basin to be as Twyfords Refresh	No.	8		
B	32mm trap	No.	2		
	Angle Valves				
C	1/2" Chrome plated angle regulating valve with 350 mm long service connection	No.	2		
	Testing & Commissioning				
D	Allow for setting to work, testing and commissioning.	Item			
	INTERNAL PLUMBING				
	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.				
	Cold Water				
A	40mm diameter PPR Pipes surface mounted	LM	12		
B	50mm diameter PPR Pipes surface mounted	LM	13		
	Extra over PPR tubing for the following:				
C	40mm diameter PPR 90° elbow	No.	5		
	CARRIED TO COLLECTION AT END OF ELEMENT 8	**US$**			

ITEM NO.	DESCRIPTION	UNIT	QUANTITY	RATE (US$)	AMOUNT (US$)
	Tees				
D	40mm diameter PPR equal tee	No.	8		
	Reducer Tees				
E	40x32mm diameter PPR reducer coupling	No.	8		
F	50X40mm diameter PPR reducer coupling	No.	3		
	Gate Valves				
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.	2		
	Water tank				
H	Provide UPVC CWS tanks on HW bearers to SE details each 2000L	No.	1		
I	Contingency sum for plumbing works	Item			
	CARRIED TO COLLECTION AT END OF ELEMENT 8	**US$**			
	ELEMENT NO. 8 COLLECTION				
	FROM PAGE	5/9			
	FROM PAGE	Above			
	TOTAL CARRIED TO THE END OF SECTION 5	**US$**			

ITEM NO.	DESCRIPTION	UNIT	QUANTITY	RATE (US$)	AMOUNT (US$)
	PROPOSED REHABILITATION OF SECONDARY SCHOOL BUILDING WITH PLAYGROUND - HUDDUR DISTRICT - SOUTH WEST STATE - BAKOOL REGION				
	SECTION 5: BLOCK D				
	ELEMENT NO. 9				
	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		
	10A moulded ivory switch plates as Crabtree or approved equivalent as follows:				
B	Two gang switch	No.	2		
	LIGHTING FITTINGS				
	Light fitting complete with fixing accessories and lamps as follows:				
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.	4		
B	Flood lamps	No.	2		
	TOTAL CARRIED TO THE END OF SECTION 5	**US$**			

ITEM NO.	DESCRIPTION	UNIT	QUANTITY	RATE (US$)	AMOUNT (US$)
	PROPOSED REHABILITATION OF SECONDARY SCHOOL BUILDING WITH PLAYGROUND - HUDDUR DISTRICT - SOUTH WEST STATE - BAKOOL REGION				
	SECTION 5: BLOCK D				
	MAIN SUMMARY				
	ELEMENT NO. **TITLE**		**PAGE**		
	1 SUBSTRUCTURE		5/2		
	2 REINFORCED CONCRETE FRAME		5/3		
	3 WALLING		5/4		
	4 ROOF CONSTRUCTION AND FINISHES		5/5		
	5 FINISHES		5/6		
	6 WINDOWS		5/7		
	7 DOORS		5/8		
	8 PLUMBING & DRAINAGE INSTALLATIONS		5/10		
	9 ELECTRICAL INSTALLATIONS		5/11		
	TOTAL FOR SECTION 5: BLOCK D - CARRIED TO GRAND SUMMARY	**US$**			

BLOCK E

ITEM NO.	DESCRIPTION	UNIT	QUANTITY	RATE (US$)	AMOUNT (US$)
	PROPOSED REHABILITATION OF SECONDARY SCHOOL BUILDING WITH PLAYGROUND - HUDDUR DISTRICT - SOUTH WEST STATE - BAKOOL REGION				
	SECTION 6: BLOCK E				
	ELEMENT NO. 1				
	SUBSTRUCTURES (PROVISIONAL)				
	Excavations including maintaining and supporting sides and keeping free from water, mud and fallen material				
A	Clear the site of all shrubs, grass and excavate top vegetable soil average depth 200mm and deposit on site as directed	SM	379		
B	Excavate to reduce level overall depth not exceeding 1.50m deep	CM	152		
C	Excavate trench for foundation not exceeding 1.50 meters deep, starting from stripped levels	CM	37		
D	Extra over for rock excavations; trench foundation	CM	6		
	Disposal				
E	Return, fill and ram selected excavated material around foundations.	CM	37		
F	Load, wheel and cart deposit and spread surplus excavated material where directed on site at a distance not exceeding 100 meters	CM	152		
	Hardcore or other approved filling, as described				
G	300mm thick well compacted hardcore filling blinded with 25mm thick quarry dust layer to receive surface bed	CM	192		
	Anti-termite treatment				
H	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	379		
	Damp-proof membrane				
I	1000 gauge polythene or other equal and approved damp-proof membrane, laid over blinded hardcore (m.s) with 300mm side and end laps (measured nett-allow for laps)	SM	379		
	Plain concrete class 15 in:				
J	50mm blinding under strip footing	SM	122		
	CARRIED TO COLLECTION AT END OF ELEMENT 1	**US$**			

ITEM NO.	DESCRIPTION	UNIT	QUANTITY	RATE (US$)	AMOUNT (US$)
	Reinforced concrete class (20) as described, in:-				
K	Strip footing	CM	37		
L	150mm Thick surface bed laid in bays including all necessary formwork	SM	379		
	Reinforcement, as described:-[PROVISIONAL]				
	High yield square twisted reinforcement bars to B.S 4461				
A	10mm bars	Kg	830		
	Mesh fabric reinforcement to B.S 4483 and setting in concrete with 300mm side and end laps (measured nett-allow for laps).				
B	Fabric ref. A142 weighing 2.22kg/ sq.metre, in surface bed.	SM	379		
	Sawn formwork as described to:-				
C	To sides of strip footing	SM	77		
D	To edge of slabs over 75mm but not exceeding 150mm high	LM	89		
	Walling in natural coursed stone obtained from an approved quarry, bedded and jointed in gauged mortar (1:3)				
E	400mm thick walling	SM	92		
	Damp-proof courses, as described, to walls				
F	400mm wide	LM	144		
G	200mm wide	LM	14		
	CARRIED TO COLLECTION AT END OF ELEMENT 1	**US$**			
	ELEMENT NO. 1 COLLECTION				
	FROM PAGE	6/1			
	FROM PAGE	Above			
	TOTAL CARRIED TO THE END OF SECTION 6	**US$**			

ITEM NO.	DESCRIPTION	UNIT	QUANTITY	RATE (US$)	AMOUNT (US$)
	PROPOSED REHABILITATION OF SECONDARY SCHOOL BUILDING WITH PLAYGROUND - HUDDUR DISTRICT - SOUTH WEST STATE - BAKOOL REGION				
	SECTION 6: BLOCK E				
	ELEMENT NO. 2				
	REINFORCED CONCRETE FRAME				
	Reinforced concrete class 25, as described in:-				
A	Beams and ring beam	CM	28		
	Reinforcement, as described (PROVISIONAL)				
	High yield square twisted reinforcement to BS 4461				
B	8mm ditto	Kg	393		
C	16mm ditto	Kg	961		
	Sawn formwork, as described, to:-				
D	Sides and soffits of beams	SM	200		
	TOTAL CARRIED TO THE END OF SECTION 6	**US$**			

ITEM NO.	DESCRIPTION	UNIT	QUANTITY	RATE (US$)	AMOUNT (US$)
	PROPOSED REHABILITATION OF SECONDARY SCHOOL BUILDING WITH PLAYGROUND - HUDDUR DISTRICT - SOUTH WEST STATE - BAKOOL REGION				
	SECTION 6: BLOCK E				
	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	244		
B	400mm thick walling internally	SM	188		
C	200mm thick walling internally	SM	22		
	Precast concrete				
D	Precast concrete permanent ventilation blocks	SM	26		
	TOTAL CARRIED TO THE END OF SECTION 6	**US$**			

ITEM NO.	DESCRIPTION	UNIT	QUANTITY	RATE (US$)	AMOUNT (US$)
	PROPOSED REHABILITATION OF SECONDARY SCHOOL BUILDING WITH PLAYGROUND - HUDDUR DISTRICT - SOUTH WEST STATE - BAKOOL REGION				
	SECTION 6: BLOCK E				
	ELEMENT NO. 4				
	ROOF CONSTRUCTION AND FINISHES				
	The following in roof trusses with nailed or bolted connections including hoisting and fixing in position not exceeding 3.40meters above ground floor level				
	In sawn treated cypress Grade 2				
	4NO. Truss T1				
A	100x50mm King post	LM	30		
B	150x50mm rafters	LM	311		
C	100x50mm strut or tie	LM	379		
D	100 x 50mm thick tie beam	LM	298		
E	100x50mm wall plate fixed with and including 200mm long 12mm diameter rag bolts cast into beam at 1200mm centres	LM	184		
	Corrugated GI sheets gauge 28, fixed on celcured 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.				
F	Roof covering not exceeding 10 degrees from the horizontal including all necessary fixtures	SM	462		
	Rain water goods				
G	28 gauge mild steel rain water box gutter 250mm girth with and including brackets on 150 X 25mm painted HW facia	LM	89		
H	100mm girth28 gauge mild steel down pipe	LM	29		
I	Extra over shoe	No.	7		
J	Extra over for swan	No.	7		
	TOTAL CARRIED TO THE END OF SECTION 6	**US$**			

ITEM NO.	DESCRIPTION	UNIT	QUANTITY	RATE (US$)	AMOUNT (US$)
	PROPOSED REHABILITATION OF SECONDARY SCHOOL BUILDING WITH PLAYGROUND - HUDDUR DISTRICT - SOUTH WEST STATE - BAKOOL REGION				
	SECTION 6: BLOCK E				
	ELEMENT NO. 5				
	FINISHES				
	15 mm cement and sand (1:3) render, finished with wood float to:-				
A	Concrete or masonry surfaces externally	SM	281		
	12mm (minimum) two coat lime plaster as described to				
B	Concrete or masonry surfaces internally	SM	769		
	Floor Finishes				
	Cement and sand (1:3) screeds, backings, beds etc				
C	20mm thick screed finish	SM	342		
	Ceiling finishes				
D	12mm Thick chip-boarding ceiling on 50X50mm cypress brandering 50X50mm cypress	SM	342		
E	100x25mm cornice plugged	LM	233		
	Painting and decorating				
	Prepare and apply three coats first quality emulsion paint on:-				
F	Plastered walls externally	SM	281		
	Prepare and apply three coats first quality silk vinyl emulsion paint on:-				
G	Plastered surfaces internally	SM	769		
	Prepare and apply three coats first quality emulsion paint on:-				
H	Chipboard ceiling	SM	342		
I	50x25mm cornice plugged	LM	233		
	CARRIED TO COLLECTION AT END OF ELEMENT 5	**US$**			

ITEM NO.	DESCRIPTION	UNIT	QUANTITY	RATE (US$)	AMOUNT (US$)
	PROPOSED REHABILITATION OF SECONDARY SCHOOL BUILDING WITH PLAYGROUND - HUDDUR DISTRICT - SOUTH WEST STATE - BAKOOL REGION				
	SECTION 6: BLOCK E				
	ELEMENT NO. 6				
	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 think weathered and throated and jointed in mortar (1:4)	LM	24		
	Hardwood windows				
	10A moulded ivory switch plates as Crabtree or approved equivalent as follows:				
B	Window size 1000x 1000mm high	No.	22		
C	Window size 1000x 800mm high	No.	4		
	TOTAL CARRIED TO THE END OF SECTION 6	**US$**			

ITEM NO.	DESCRIPTION	UNIT	QUANTITY	RATE (US$)	AMOUNT (US$)
	PROPOSED REHABILITATION OF SECONDARY SCHOOL BUILDING WITH PLAYGROUND - HUDDUR DISTRICT - SOUTH WEST STATE - BAKOOL REGION				
	SECTION 6: BLOCK E				
	ELEMENT NO. 7				
	DOORS				
	50mm thick mahogany panel doors to Project Manager/Architect's approval				
A	Door overall size 2000x2100mm high	No.	2		
B	Door overall size 1000x2100mm high	No.	2		
	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				
C	1000x2100mm high	No.	12		
	In-wrot mahogany				
D	150x50mm moulded door frame with 4 labours including fixing dowels and cramps	LM	84		
E	50x25mm architrave	LM	84		
F	25mm quadrant	LM	84		
	Painting and decoration				
	Knot, prime, stop and apply 3coats polyurethane clear vanish:				
G	General surface of doors internally	SM	38		
H	General surface of doors externally	SM	38		
I	Wooden surface 200 - 300mm girth	LM	84		
J	Wooden surface 0 - 100mm girth	LM	84		
	Supply delivery and fix the following ironmongery with matching screws				
K	In pairs, 100 x50mm medium duty brass butt hinges	PR	26		
L	5level mortise door lock	No	4		
M	2level mortise door lock	No	12		
N	Rubber door stop plugged to concrete floor	No	17		
	TOTAL CARRIED TO THE END OF SECTION 6	**US$**			

ITEM NO.	DESCRIPTION	UNIT	QUANTITY	RATE (US$)	AMOUNT (US$)
	PROPOSED REHABILITATION OF SECONDARY SCHOOL BUILDING WITH PLAYGROUND - HUDDUR DISTRICT - SOUTH WEST STATE - BAKOOL REGION				
	SECTION 6: BLOCK E				
	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.	8		
	Vanity Wash-hand basin				
B	White countertop wash- hand basin size 500x410mm with one central taphole,.Basin to be as Twyfords Refresh	No.	6		
C	Provide and supply approved sinks to architects details	No.	16		
C	32mm trap	No.	10		
	Angle Valves				
D	1/2" Chrome plated angle regulating valve with 350 mm long service connection	No.	12		
	Testing & Commissioning				
E	Allow for setting to work, testing and commissioning.	Item			
	INTERNAL PLUMBING				
	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.				
	Cold Water				
A	40mm diameter PPR Pipes surface mounted	LM	53		
B	50mm diameter PPR Pipes surface mounted	LM	51		
	Extra over PPR tubing for the following:				
C	40mm diameter PPR 90° elbow	No.	15		
	CARRIED TO COLLECTION AT END OF ELEMENT 8	**US$**			

ITEM NO.	DESCRIPTION	UNIT	QUANTITY	RATE (US$)	AMOUNT (US$)
	Tees				
D	40mm diameter PPR equal tee	No.	20		
	Reducer Tees				
E	40x32mm diameter PPR reducer coupling	No.	28		
F	50X40mm diameter PPR reducer coupling	No.	10		
	Gate Valves				
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.	8		
	Water tank				
H	Provide UPVC CWS tanks on HW bearers to SE details each 2000L	No.	4		
I	Contingency sum for plumbing works	Item			
	CARRIED TO COLLECTION AT END OF ELEMENT 8	**US$**			
	ELEMENT NO. 8 COLLECTION				
	FROM PAGE	6/9			
	FROM PAGE	Above			
	TOTAL CARRIED TO THE END OF SECTION 6	**US$**			

ITEM NO.	DESCRIPTION	UNIT	QUANTITY	RATE (US$)	AMOUNT (US$)
	PROPOSED REHABILITATION OF SECONDARY SCHOOL BUILDING WITH PLAYGROUND - HUDDUR DISTRICT - SOUTH WEST STATE - BAKOOL REGION				
	SECTION 6: BLOCK E				
	ELEMENT NO. 9				
	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.	49		
B	Bell point points wired in 3x1.5mm 2 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.	5		
D	Two gang switch	No.	7		
	LIGHTING FITTINGS				
	Light fitting complete with fixing accessories and lamps as follows:				
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.	41		
B	10 A 3-plate ceiling mounted light fixture complete with rose, BC lamp holder and flexible cord.	No.	2		
C	Flood lamps	No.	6		
	TOTAL CARRIED TO THE END OF SECTION 6	**US$**			

ITEM NO.	DESCRIPTION	UNIT	QUANTITY	RATE (US$)	AMOUNT (US$)
	PROPOSED REHABILITATION OF SECONDARY SCHOOL BUILDING WITH PLAYGROUND - HUDDUR DISTRICT - SOUTH WEST STATE - BAKOOL REGION				
	SECTION 6: BLOCK E				
	MAIN SUMMARY				
	ELEMENT NO. **TITLE**		**PAGE**		
	1 SUBSTRUCTURE		6/2		
	2 REINFORCED CONCRETE FRAME		6/3		
	3 WALLING		6/4		
	4 ROOF CONSTRUCTION AND FINISHES		6/5		
	5 FINISHES		6/6		
	6 WINDOWS		6/7		
	7 DOORS		6/8		
	8 PLUMBING & DRAINAGE INSTALLATIONS		6/10		
	9 ELECTRICAL INSTALLATIONS		6/11		
	TOTAL FOR SECTION 6: BLOCK E- CARRIED TO GRAND SUMMARY	**US$**			

BLOCK F

ITEM NO.	DESCRIPTION	UNIT	QUANTITY	RATE (US$)	AMOUNT (US$)
	PROPOSED REHABILITATION OF SECONDARY SCHOOL BUILDING WITH PLAYGROUND - HUDDUR DISTRICT - SOUTH WEST STATE - BAKOOL REGION				
	SECTION 7: BLOCK F				
	ELEMENT NO. 1				
	SUBSTRUCTURES (PROVISIONAL)				
	Excavations including maintaining and supporting sides and keeping free from water, mud and fallen material				
A	Clear the site of all shrubs, grass and excavate top vegetable soil average depth 200mm and deposit on site as directed	SM	149		
B	Excavate to reduce level overall depth not exceeding 1.50m deep	CM	45		
C	Excavate trench for foundation not exceeding 1.50 meters deep, starting from stripped levels	CM	17		
D	Extra over for rock excavations; trench foundation	CM	2		
	Disposal				
E	Return, fill and ram selected excavated material around foundations.	CM	17		
F	Load, wheel and cart deposit and spread surplus excavated material where directed on site at a distance not exceeding 100 meters	CM	45		
	Hardcore or other approved filling, as described				
G	300mm thick well compacted hardcore filling blinded with 25mm thick quarry dust layer to receive surface bed	CM	74		
	Anti-termite treatment				
H	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	149		
	Damp-proof membrane				
I	1000 gauge polythene or other equal and approved damp-proof membrane, laid over blinded hardcore (m.s) with 300mm side and end laps (measured nett-allow for laps)	SM	149		
	Plain concrete class 15 in:				
J	50mm blinding under strip footing	SM	58		
	CARRIED TO COLLECTION AT END OF ELEMENT 1	**US$**			

ITEM NO.	DESCRIPTION	UNIT	QUANTITY	RATE (US$)	AMOUNT (US$)
	Reinforced concrete class (20) as described, in:-				
K	Strip footing	CM	17		
L	150mm Thick surface bed laid in bays including all necessary formwork	SM	149		
	Reinforcement, as described:-[PROVISIONAL]				
	High yield square twisted reinforcement bars to B.S 4461				
A	10mm bars	Kg	402		
	Mesh fabric reinforcement to B.S 4483 and setting in concrete with 300mm side and end laps (measured nett-allow for laps).				
B	Fabric ref. A142 weighing 2.22kg/ sq.metre, in surface bed.	SM	149		
	Sawn formwork as described to:-				
C	To sides of strip footing	SM	36		
D	To edge of ramp and slabs over 75mm but not exceeding 150mm high	LM	50		
	Walling in natural coursed stone obtained from an approved quarry, bedded and jointed in gauged mortar (1:3)				
E	400mm thick walling	SM	38		
	Damp-proof courses, as described, to walls				
F	400mm wide	LM	35		
	CARRIED TO COLLECTION AT END OF ELEMENT 1	**US$**			
	ELEMENT NO. 1 COLLECTION				
	FROM PAGE	7/1			
	FROM PAGE	Above			
	TOTAL CARRIED TO THE END OF SECTION 7	**US$**			

ITEM NO.	DESCRIPTION	UNIT	QUANTITY	RATE (US$)	AMOUNT (US$)
	PROPOSED REHABILITATION OF SECONDARY SCHOOL BUILDING WITH PLAYGROUND - HUDDUR DISTRICT - SOUTH WEST STATE - BAKOOL REGION				
	SECTION 7: BLOCK F				
	ELEMENT NO. 2				
	REINFORCED CONCRETE FRAME				
	Reinforced concrete class 25, as described in:-				
A	Beams and ring beam	CM	7		
	Reinforcement, as described (PROVISIONAL)				
	High yield square twisted reinforcement to BS 4461				
B	16mm ditto	Kg	1,097		
	Sawn formwork, as described, to:-				
C	Sides and soffits of beams	SM	49		
	TOTAL CARRIED TO THE END OF SECTION 7	**US$**			

ITEM NO.	DESCRIPTION	UNIT	QUANTITY	RATE (US$)	AMOUNT (US$)
	PROPOSED REHABILITATION OF SECONDARY SCHOOL BUILDING WITH PLAYGROUND - HUDDUR DISTRICT - SOUTH WEST STATE - BAKOOL REGION				
	SECTION 7: BLOCK F				
	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	190		
B	400mm thick walling internally	SM	25		
	Precast concrete				
C	Precast concrete permanent ventilation blocks	SM	19		
D	100mm Thick concrete coping twice weathered with drip grooves finished with exterior emulsion paint to approval	LM	14		
	TOTAL CARRIED TO THE END OF SECTION 7	**US$**			

ITEM NO.	DESCRIPTION	UNIT	QUANTITY	RATE (US$)	AMOUNT (US$)
	PROPOSED REHABILITATION OF SECONDARY SCHOOL BUILDING WITH PLAYGROUND - HUDDUR DISTRICT - SOUTH WEST STATE - BAKOOL REGION				
	SECTION 7: BLOCK F				
	ELEMENT NO. 4				
	ROOF CONSTRUCTION AND FINISHES				
	The following in roof trusses with nailed or bolted connections including hoisting and fixing in position not exceeding 3.80meters above ground floor level				
	In sawn treated cypress Grade 2				
	4NO. Truss T1				
A	100x50mm King post	LM	8		
B	150x50mm rafters	LM	127		
C	100x50mm strut or tie	LM	77		
D	100 x 50mm thick tie beam	LM	125		
E	100x50mm wall plate fixed with and including 200mm long 12mm diameter rag bolts cast into beam at 1200mm centres	LM	49		
	Corrugated GI sheets gauge 28, fixed on celcured 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.				
F	Roof covering not exceeding 10 degrees from the horizontal including all necessary fixtures	SM	161		
	Rain water goods				
G	28 gauge mild steel rain water box gutter 250mm girth with and including brackets on 150 X 25mm painted HW facia	LM	30		
H	100mm girth28 gauge mild steel down pipe	LM	16		
I	Extra over shoe	No.	4		
J	Extra over for swan	No.	4		
	TOTAL CARRIED TO THE END OF SECTION 7	**US$**			

ITEM NO.	DESCRIPTION	UNIT	QUANTITY	RATE (US$)	AMOUNT (US$)
	PROPOSED REHABILITATION OF SECONDARY SCHOOL BUILDING WITH PLAYGROUND - HUDDUR DISTRICT - SOUTH WEST STATE - BAKOOL REGION				
	SECTION 7: BLOCK F				
	ELEMENT NO. 5				
	FINISHES				
	15 mm cement and sand (1:3) render, finished with wood float to:-				
A	Concrete or masonry surfaces externally	SM	234		
	12mm (minimum) two coat lime plaster as described to				
B	Concrete or masonry surfaces internally	SM	265		
	Floor Finishes				
	Cement and sand (1:3) screeds, backings, beds etc				
C	20mm thick screed finish	SM	147		
	Ceramic floor tiles				
D	300mm x 300mm non-slip ceramic floor tiles	SM	147		
E	100mm High skirting	LM	58		
	Ceiling finishes				
F	12mm Thick chip-boarding ceiling on 50X50mm cypress brandering 50X50mm cypress	SM	147		
G	50x25mm cornice plugged	LM	58		
	Painting and decorating				
	Prepare and apply three coats first quality emulsion paint on:-				
H	Plastered walls externally	SM	234		
	Prepare and apply three coats first quality silk vinyl emulsion paint on:-				
I	Plastered surfaces internally	SM	265		
	Prepare and apply three coats first quality emulsion paint on:-				
J	Chipboard ceiling	SM	147		
K	50x25mm cornice plugged	LM	58		
	TOTAL CARRIED TO THE END OF SECTION 7	**US$**			

ITEM NO.	DESCRIPTION	UNIT	QUANTITY	RATE (US$)	AMOUNT (US$)
	PROPOSED REHABILITATION OF SECONDARY SCHOOL BUILDING WITH PLAYGROUND - HUDDUR DISTRICT - SOUTH WEST STATE - BAKOOL REGION				
	SECTION 7: BLOCK F				
	ELEMENT NO. 6				
	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 think weathered and throated and jointed in mortar (1:4)	LM	11		
	Hardwood windows				
	Supply, fix and paint the following windows made from approved hardwood to the architects details and approval				
B	Window size 1000 X 1000mm high	No.	10		
	TOTAL CARRIED TO THE END OF SECTION 7	**US$**			

ITEM NO.	DESCRIPTION	UNIT	QUANTITY	RATE (US$)	AMOUNT (US$)
	PROPOSED REHABILITATION OF SECONDARY SCHOOL BUILDING WITH PLAYGROUND - HUDDUR DISTRICT - SOUTH WEST STATE - BAKOOL REGION				
	SECTION 7: BLOCK F				
	ELEMENT NO. 7				
	DOORS				
	50mm thick mahogany panel doors to Project Manager/Architect's approval				
A	50mm thick door overall size 1000 x 2100mm high	No.	2		
	In-wrot mahogany				
B	150x50mm moulded door frame with 4 labours including fixing dowels and cramps	LM	10		
C	50x25mm architrave	LM	10		
D	25mm quadrant	LM	10		
	Painting and decoration				
	Knot, prime, stop and apply 3coats polyurethane clear vanish:				
E	General surface of doors internally	SM	4		
F	General surface of doors externally	SM	4		
G	Wooden surface 200 - 300mm girth	LM	10		
H	Wooden surface 0 - 100mm girth	LM	10		
	Supply delivery and fix the following ironmongery with matching screws				
I	In pairs, 100 x50mm medium duty brass butt hinges	PR	3		
J	5level mortise door lock	No	2		
K	Rubber door stop plugged to concrete floor	No	2		
	TOTAL CARRIED TO THE END OF SECTION 7	**US$**			

ITEM NO.	DESCRIPTION	UNIT	QUANTITY	RATE (US$)	AMOUNT (US$)
	PROPOSED REHABILITATION OF SECONDARY SCHOOL BUILDING WITH PLAYGROUND - HUDDUR DISTRICT - SOUTH WEST STATE - BAKOOL REGION				
	SECTION 7: BLOCK F				
	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.	10		
	10A moulded ivory switch plates as Crabtree or approved equivalent as follows:				
B	Single pole switch	No.	3		
	LIGHTING FITTINGS				
	Light fitting complete with fixing accessories and lamps as follows:				
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.	10		
	TOTAL CARRIED TO THE END OF SECTION 7	**US$**			

ITEM NO.	DESCRIPTION	UNIT	QUANTITY	RATE (US$)	AMOUNT (US$)
	PROPOSED REHABILITATION OF SECONDARY SCHOOL BUILDING WITH PLAYGROUND - HUDDUR DISTRICT - SOUTH WEST STATE - BAKOOL REGION				
	SECTION 7: BLOCK F				
	MAIN SUMMARY				
	ELEMENT NO. **TITLE**		**PAGE**		
	1 SUBSTRUCTURE		7/2		
	2 REINFORCED CONCRETE FRAME		7/3		
	3 WALLING		7/4		
	4 ROOF CONSTRUCTION AND FINISHES		7/5		
	5 FINISHES		7/6		
	6 WINDOWS		7/7		
	7 DOORS		7/8		
	8 ELECTRICAL INSTALLATIONS		7/9		
	TOTAL FOR SECTION 7: BLOCK F - CARRIED TO GRAND SUMMARY	**US$**			

GATE HOUSE

ITEM NO.	DESCRIPTION	UNIT	QUANTITY	RATE (US$)	AMOUNT (US$)
	PROPOSED REHABILITATION OF SECONDARY SCHOOL BUILDING WITH PLAYGROUND - HUDDUR DISTRICT - SOUTH WEST STATE - BAKOOL REGION				
	SECTION 8: GATE HOUSE				
	ELEMENT NO. 1				
	SUBSTRUCTURES (PROVISIONAL)				
	Excavations including maintaining and supporting sides and keeping free from water, mud and fallen material				
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		
	Disposal				
D	Return, fill and ram selected excavated material around foundations.	CM	4		
E	Load, wheel and cart deposit and spread surplus excavated material where directed on site at a distance not exceeding 100 meters	CM	10		
	Hardcore or other approved filling, as described				
F	300mm thick well compacted hardcore filling blinded with 25mm thick quarry dust layer to receive surface bed	CM	5		
	Anti-termite treatment				
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		
	Damp-proof membrane				
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		
	Plain concrete class 15 in:				
I	50mm blinding under strip footing	SM	11		
	Reinforced concrete class (20) as described, in:-				
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$**			

ITEM NO.	DESCRIPTION	UNIT	QUANTITY	RATE (US$)	AMOUNT (US$)
	Reinforcement, as described:-[PROVISIONAL]				
	High yield square twisted reinforcement bars to B.S 4461				
A	8mm bars	Kg	30		
B	12mm bars	Kg	66		
	Mesh fabric reinforcement to B.S 4483 and setting in concrete with 300mm side and end laps (measured nett-allow for laps).				
C	Fabric ref. A142 weighing 2.22kg/ sq.metre, in surface bed.	SM	13		
	Sawn formwork as described to:-				
D	To sides of strip footing	SM	8		
E	To edge of slabs over 75mm but not exceeding 150mm high	LM	15		
	Walling in natural coursed stone obtained from an approved quarry, bedded and jointed in gauged mortar (1:3)				
F	200mm wide	SM	10		
	Damp-proof courses, as described, to walls				
G	200mm wide	LM	17		
	CARRIED TO COLLECTION AT END OF ELEMENT 1	**US$**			
	ELEMENT NO. 1 COLLECTION				
	FROM PAGE	8/1			
	FROM PAGE	Above			
	TOTAL CARRIED TO THE END OF SECTION 8	**US$**			

ITEM NO.	DESCRIPTION	UNIT	QUANTITY	RATE (US$)	AMOUNT (US$)
	PROPOSED REHABILITATION OF SECONDARY SCHOOL BUILDING WITH PLAYGROUND - HUDDUR DISTRICT - SOUTH WEST STATE - BAKOOL REGION				
	SECTION 8: GATE HOUSE				
	ELEMENT NO. 2				
	REINFORCED CONCRETE FRAME				
	Reinforced concrete class 25, as described in:-				
A	Beams and ring beam	CM	2		
B	150mm Thick suspended floor slab	SM	13		
	Reinforcement, as described (PROVISIONAL)				
	High yield square twisted reinforcement to BS 4461				
C	8mm ditto	Kg	45		
D	10mm ditto	Kg	120		
E	12mm ditto	Kg	66		
	Sawn formwork, as described, to:-				
F	Sides and soffits of beams	SM	19		
G	Soffittes of suspended slab	SM	10		
H	Edges of suspended slab 150mm high	LM	15		
	TOTAL CARRIED TO THE END OF SECTION 8	**US$**			

ITEM NO.	DESCRIPTION	UNIT	QUANTITY	RATE (US$)	AMOUNT (US$)
	PROPOSED REHABILITATION OF SECONDARY SCHOOL BUILDING WITH PLAYGROUND - HUDDUR DISTRICT - SOUTH WEST STATE - BAKOOL REGION				
	SECTION 8: GATE HOUSE				
	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	200mm thick walling externally	SM	38		
B	200mm thick walling internally	SM	14		
	Ventilation blocks.				
C	200mm Thick PC permanent ventilation blocks	SM	1		
	TOTAL CARRIED TO THE END OF SECTION 8	**US$**			

ITEM NO.	DESCRIPTION	UNIT	QUANTITY	RATE (US$)	AMOUNT (US$)
	PROPOSED REHABILITATION OF SECONDARY SCHOOL BUILDING WITH PLAYGROUND - HUDDUR DISTRICT - SOUTH WEST STATE - BAKOOL REGION				
	SECTION 8: 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	44		
	12mm (minimum) two coat lime plaster as described to				
B	Concrete or masonry surfaces internally	SM	69		
	Floor Finishes				
	Cement and sand (1:3) screeds, backings, beds etc				
C	20mm thick screed to receive floor tiles	SM	10		
	Ceramic floor tiles				
D	300mm x 300mm non-slip ceramic floor tiles	SM	10		
E	100mm High skirting	LM	18		
	12mm (minimum) two coat lime plaster as described to				
F	Concrete surfaces internally	SM	10		
	Painting and decorating				
	Prepare and apply three coats first quality emulsion paint on:-				
G	Plastered walls externally	SM	44		
	Prepare and apply three coats first quality silk vinyl emulsion paint on:-				
H	Plastered surfaces internally	SM	69		
	Prepare and apply three coats first quality emulsion paint on:-				
I	Plastered soffites of suspended floor slab	SM	10		
	TOTAL CARRIED TO THE END OF SECTION 8	**US$**			

ITEM NO.	DESCRIPTION	UNIT	QUANTITY	RATE (US$)	AMOUNT (US$)
	PROPOSED REHABILITATION OF SECONDARY SCHOOL BUILDING WITH PLAYGROUND - HUDDUR DISTRICT - SOUTH WEST STATE - BAKOOL REGION				
	SECTION 8: 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 think weathered and throated and jointed in mortar (1:4)	LM	3		
	Hardwood windows				
	Supply, fix and paint the following windows made from approved hardwood to the arcthitects details and approval				
B	Window size 1500x1600mm high	No.	1		
C	Window size 800x800mm high	No.	1		
	In-wrot mahogany				
D	125x25mm window board, plugged, screwed and pelleted	LM	3		
E	20x20mm quardrant beading plugged	LM	3		
	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 8	**US$**			

ITEM NO.	DESCRIPTION	UNIT	QUANTITY	RATE (US$)	AMOUNT (US$)
	PROPOSED REHABILITATION OF SECONDARY SCHOOL BUILDING WITH PLAYGROUND - HUDDUR DISTRICT - SOUTH WEST STATE - BAKOOL REGION				
	SECTION 8: GATE HOUSE				
	ELEMENT NO. 6				
	DOORS				
	50mm thick mahogany panel doors to Project Manager/Architect's approval				
A	50mm thick door overall size 900x2400mm high	No.	1		
	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				
B	900x2100mm High	No.	1		
	In-wrot mahogany				
C	150x50mm moulded door frame with 4 labours including fixing dowels and cramps	LM	11		
D	50x25mm architrave	LM	11		
E	25mm quadrant	LM	11		
	Painting and decoration				
	Knot, prime, stop and apply 3coats polyurethane clear vanish:				
F	General surface of doors internally	SM	4		
G	General surface of doors externally	SM	4		
H	Wooden surface 200 - 300mm girth	LM	11		
I	Wooden surface 0 - 100mm girth	LM	11		
	Supply delivery and fix the following ironmongery with matching screws				
J	In pairs, 100 x50mm medium duty brass butt hinges	PR	3		
K	5level mortise door lock	No	1		
L	2 Level mortise door lock	No	1		
M	Rubber door stop plugged to concrete floor	No	2		
	TOTAL CARRIED TO THE END OF SECTION 8	**US$**			

ITEM NO.	DESCRIPTION	UNIT	QUANTITY	RATE (US$)	AMOUNT (US$)
	PROPOSED REHABILITATION OF SECONDARY SCHOOL BUILDING WITH PLAYGROUND - HUDDUR DISTRICT - SOUTH WEST STATE - BAKOOL REGION				
	SECTION 8: GATE HOUSE				
	ELEMENT NO. 7				
	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.	1		
	Vanity Wash-hand basin				
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		
	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				
	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.				
	Cold Water				
A	50mm diameter PPR Pipes surface mounted	LM	1		
B	40mm diameter PPR Pipes surface mounted	LM	3		
	Extra over PPR tubing for the following:				
C	40mm diameter PPR 90° elbow	No.	1		
	CARRIED TO COLLECTION AT END OF ELEMENT 7	**US$**			

ITEM NO.	DESCRIPTION	UNIT	QUANTITY	RATE (US$)	AMOUNT (US$)
	Tees				
D	40mm diameter PPR equal tee	No.	1		
	Reducer Tees				
E	50x40mm diameter PPR reducer coupling	No.	1		
F	40x32mm diameter PPR reducer coupling	No.	2		
	Gate Valves				
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	Contingency sum for plumbing works	Item			
	CARRIED TO COLLECTION AT END OF ELEMENT 7	**US$**			
	ELEMENT NO. 7 COLLECTION				
	FROM PAGE	3/8			
	FROM PAGE	Above			
	TOTAL CARRIED TO THE END OF SECTION 8	**US$**			

ITEM NO.	DESCRIPTION	UNIT	QUANTITY	RATE (US$)	AMOUNT (US$)
	PROPOSED REHABILITATION OF SECONDARY SCHOOL BUILDING WITH PLAYGROUND - HUDDUR DISTRICT - SOUTH WEST STATE - BAKOOL REGION				
	SECTION 8: 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		
	10A moulded ivory switch plates as Crabtree or approved equivalent as follows:				
B	Single pole switch	No.	1		
C	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 with clip-on cover plate and adjustable end ca system. As Thorn Popular Pack Batten or approved equivalent	No.	1		
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 2.5mm2PVC-SCCu cables in concealed in 20mm HG PVC conduits.	No.	1		
	TOTAL CARRIED TO THE END OF SECTION 8	**US$**			

ITEM NO.	DESCRIPTION	UNIT	QUANTITY	RATE (US$)	AMOUNT (US$)
	PROPOSED REHABILITATION OF SECONDARY SCHOOL BUILDING WITH PLAYGROUND - HUDDUR DISTRICT - SOUTH WEST STATE - BAKOOL REGION				
	SECTION 8: GATE HOUSE				
	MAIN SUMMARY				
	ELEMENT NO. **TITLE**		**PAGE**		
	1 SUBSTRUCTURE		8/2		
	2 REINFORCED CONCRETE FRAME		8/3		
	3 WALLING		8/4		
	4 FINISHES		8/5		
	5 WINDOWS		8/6		
	6 DOORS		8/7		
	7 PLUMBING & DRAINAGE INSTALLATIONS		8/9		
	8 ELECTRICAL INSTALLATIONS		8/10		
	TOTAL FOR SECTION 8: GATE HOUSE - CARRIED TO GRAND SUMMARY	**US$**			

EXTERNAL WORKS

ITEM NO.	DESCRIPTION	UNIT	QUANTITY	RATE (US$)	AMOUNT (US$)
	PROPOSED REHABILITATION OF SECONDARY SCHOOL BUILDING WITH PLAYGROUND - HUDDUR DISTRICT - SOUTH WEST STATE - BAKOOL REGION				
	SECTION 9: EXTERNAL WORKS				
	ELEMENT NO. 1				
	BOUNDARY WALL, GATE & PLAYGROUND				
	BOUNDARY WALL				
A	Repair all damaged sections in the boundary wall, paint the wall both externall and internally to the architects details and approval, boundary wall size 144,000mm X 96,900mm X 2300mm High	Item			
	GATE				
B	Framed metal gate in two equal leaves: overall size 5000 x 2000mm 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	No.	1		
C	Ditto; 1600mm X 2000mm High pedestrian gate, ditto	No.	1		
	PLAYING GROUND				
D	Clear the site of pitches of all shrubs and bushes. Remove all existing buildings and RC foundations.	SM	4,893		
E	Excavate pitch surface top soil to reduce level, average depth 200mm. Return, fill and ram selected imported material and grade the area to be level and firm, and raise enough to prevent run-off adjacent areas.	SM	3,860		
F	Prepare volley ball court and make marking and by the provided drawings	SM	364		
G	Supply and install 7.3 X 2.4m MS (CHS 100mm) goal posts painted white with Acylic Latex paint or oil-based paint, over substrate previously primed with rust-inhibitive specialty primer coat. Posts installed iwith netting. Post anchorage and net fastening to fabricator's details.	cc	2		
H	4.5m long MS (CHS 100mm) poles painted white with Acylic Latex paint or oil-based paint, over substrate previously primed with rust-inhibitive specialty primer coat.	No	2		
I	Concrete footing class 20 to front part of posts as per the drawings	CM	1		
	TOTAL CARRIED TO THE END OF SECTION 9	**US$**			

ITEM NO.	DESCRIPTION	UNIT	QUANTITY	RATE (US$)	AMOUNT (US$)
	PROPOSED REHABILITATION OF SECONDARY SCHOOL BUILDING WITH PLAYGROUND - HUDDUR DISTRICT - SOUTH WEST STATE - BAKOOL REGION				
	SECTION 9: EXTERNAL WORKS				
	MAIN SUMMARY				
	ELEMENT NO. **TITLE**		**PAGE**		
	1 BOUNDARY WALL, GATE & PLAYGROUND		9/1		
	TOTAL FOR SECTION 9: EXTERNAL WORKS - CARRIED TO GRAND SUMMARY	**US$**			

SEPTIC TANK

ITEM NO.	DESCRIPTION	UNIT	QUANTITY	RATE (US$)	AMOUNT (US$)
	PROPOSED REHABILITATION OF SECONDARY SCHOOL BUILDING WITH PLAYGROUND - HUDDUR DISTRICT - SOUTH WEST STATE - BAKOOL REGION				
	SECTION 10: SEPTIC TANK				
	ELEMENT NO. 1				
	SUBSTRUCTURES (PROVISIONAL)				
	Excavations including maintaining and supporting sides and keeping free from water, mud and fallen material				
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		
	Disposal				
F	Load, wheel and cart deposit and spread surplus excavated material where directed on site at a distance not exceeding 100 meters	CM	119		
	Anti-termite treatment				
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		
	Damp-proof membrane				
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		
	Plain concrete class 15 in:				
I	50mm blinding under strip footing	SM	11		
	Reinforced concrete class (20) as described, in:-				
J	Baffle beam	CM	1		
K	Strip footing	CM	3		
	CARRIED TO COLLECTION AT END OF ELEMENT 1	**US$**			

ITEM NO.	DESCRIPTION	UNIT	QUANTITY	RATE (US$)	AMOUNT (US$)
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		
	French drain				
N	Excavate a frech drain 900mm deep and fill it with tar paper over 10mm gabs, 600mm high hadcore filling, and 200mm high, compacted murrum; length to be determined at site to architect's approval	No.	1		
	Reinforcement, as described:-[PROVISIONAL]				
	High yield square twisted reinforcement bars to B.S 4461				
A	8mm bars	Kg	9		
B	10mm bars	Kg	211		
C	12mm bars	Kg	126		
	Mesh fabric reinforcement to B.S 4483 and setting in concrete with 300mm side and end laps (measured nett-allow for laps).				
D	Fabric ref. A142 weighing 2.22kg/ sq.metre, in surface bed.	SM	11		
	Sawn formwork as described to:-				
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$**			

ITEM NO.	DESCRIPTION	UNIT	QUANTITY	RATE (US$)	AMOUNT (US$)
	Walling in natural coursed stone obtained from an approved quarry, bedded and jointed in gauged mortar (1:3)				
H	200mm thick walling	SM	20		
	Damp-proof courses, as described, to walls				
I	200mm wide	LM	19		
	CARRIED TO COLLECTION AT END OF ELEMENT 1	**US$**			
	ELEMENT NO. 1 COLLECTION				
	FROM PAGE ……..		10/1		
	FROM PAGE ……..		10/2		
	FROM PAGE ……..		Above		
	TOTAL CARRIED TO THE END OF SECTION 10	**US$**			

ITEM NO.	DESCRIPTION	UNIT	QUANTITY	RATE (US$)	AMOUNT (US$)
	PROPOSED REHABILITATION OF SECONDARY SCHOOL BUILDING WITH PLAYGROUND - HUDDUR DISTRICT - SOUTH WEST STATE - BAKOOL REGION				
	SECTION 10: SEPTIC TANK				
	ELEMENT NO. 2				
	FINISHES				
	15 mm cement and sand (1:3) render, finished with woodfloat to:-				
A	Bottom concrete floor slab	SM	11		
	12mm (minimum) two coat lime plaster as described to				
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		
	APP Membrane				
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		
	Manhole cover				
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 10	**US$**			

ITEM NO.	DESCRIPTION	UNIT	QUANTITY	RATE (US$)	AMOUNT (US$)
	PROPOSED REHABILITATION OF SECONDARY SCHOOL BUILDING WITH PLAYGROUND - HUDDUR DISTRICT - SOUTH WEST STATE - BAKOOL REGION				
	SECTION 10: SEPTIC TANK				
	MAIN SUMMARY				
	ELEMENT NO. **TITLE**		**PAGE**		
	1 SUBSTRUCTURE		10/3		
	2 FINISHES		10/4		
	TOTAL FOR SECTION 10: SEPTIC TANK - CARRIED TO GRAND SUMMARY	**US$**			

OVERHEAD WATER TANK

ITEM NO.	DESCRIPTION	UNIT	QUANTITY	RATE (US$)	AMOUNT (US$)
	PROPOSED REHABILITATION OF SECONDARY SCHOOL BUILDING WITH PLAYGROUND - HUDDUR DISTRICT - SOUTH WEST STATE - BAKOOL REGION				
	SECTION 11: OVERHEAD WATER TANK				
	ELEMENT NO. 1				
	OVERHEAD WATER TANK				
	Excavations				
A	Excavate trenches for strip footing not exceeding 1.5m deep commencing at ground level	CM	13		
	Disposal				
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		
	Concrete Works				
	50mm thick mass concrete (1:3:6) class 15/20 in blinding under:				
D	Column bases	SM	9		
	Normal; Class 30: Vibrated				
E	Column bases	CM	3		
F	Columns (Substructure)	CM	1		
G	Columns (Superstructure)	CM	1		
H	Suspended floor slab	CM	3		
	Supply and fix the following reinforcement bars including cutting, bending, hooking, tying and supporting as required high yield square twisted reinforcement bars to B.S 4461				
I	8mm Diameter	Kg	102		
J	10mm Ditto	Kg	53		
K	12mm Ditto	Kg	276		
L	16mm Ditto	Kg	400		
	CARRIED TO COLLECTION AT END OF ELEMENT 1	**US$**			

ITEM NO.	DESCRIPTION	UNIT	QUANTITY	RATE (US$)	AMOUNT (US$)
	Formwork as described to:-				
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		
	Finishes				
	12mm (minimum) two coat lime plaster as described to:				
Q	Concrete surfaces	SM	42		
R	Concrete surfaces (Tank slab top)	SM	19		
	Prepare and apply three coats of textured paint to:				
S	Concrete surfaces	SM	42		
	Steel ladder to the water tank				
T	MS vertical caged ladder, 600mm rungs. Ladder bolted or grouted into formed RC base and bolted onto RC structure above. Step-on platform above tank with safety grab-rails; Acrylic Latex paint or oil-based paint over two coats of red-oxide primer; hoops, stays, brackets and other particulars to fabricator's details	No	1		
	Steel water tank				
U	Pressed steel sectional rectangular coldwater storage tank; 20,000 litres. With Ø500mm access man-way, screened cowl ventilator, sump, internal access ladder, water-level indicator, ßloat valve and spillover weir box. Cleats and stays, joinery and other particulars to fabricator's details.	No	1		
	Steel water pump boxing				
V	2000X2000X1000mm MS lockable water-pump boxing. Acrylic Latex paint or oil-based paint over two coats of red-oxide primer; locks, lugs, hinges and other particulars to fabricator's details	No	1		
	CARRIED TO COLLECTION AT END OF ELEMENT 1	**US$**			
	ELEMENT NO. 1 COLLECTION				
	FROM PAGE	11/1			
	FROM PAGE	Above			
	TOTAL CARRIED TO THE END OF SECTION 11	**US$**			

ITEM NO.	DESCRIPTION	UNIT	QUANTITY	RATE (US$)	AMOUNT (US$)
	PROPOSED REHABILITATION OF SECONDARY SCHOOL BUILDING WITH PLAYGROUND - HUDDUR DISTRICT - SOUTH WEST STATE - BAKOOL REGION				
	SECTION 11: OVERHEAD WATER TANK				
	MAIN SUMMARY				
	ELEMENT NO. **TITLE**		**PAGE**		
	1 OVERHEAD WATER TANK		11/2		
	TOTAL FOR SECTION 11: OVERHEAD WATER TANK - CARRIED TO GRAND SUMMARY	**US$**			

CONSERVANCY TANK

ITEM NO.	DESCRIPTION	UNIT	QUANTITY	RATE (US$)	AMOUNT (US$)
	PROPOSED REHABILITATION OF ADMINISTRATION OFFICES GARBAHAREY DISTRICT - JUBBALAND STATE - GEDO REGION				
	SECTION 12: CONSERVANCY TANK				
	ELEMENT NO. 1				
	CONSERVANCY TANK				
	Excavations				
A	Bulk excavate to reduce level overall depth not exceeding 1.5m deep	CM	15		
B	Bulk excavate to reduce level overall depth not exceeding 3.0m deep	CM	12		
C	Extra over for rock excavations	CM	3		
	Disposal				
D	Load, wheel and cart deposit and spread surplus excavated material where directed on site at a distance not exceeding 100 meters	CM	27		
	Anti-termite treatment				
E	Gladiator or equal and approved chemical anti-termite treatment, executed complete by an approved specialist under a ten-year guarantee, to surfaces of hard-core	SM	10		
	Damp-proof membrane				
F	1000 gauge polythene or other equal and approved damp-proof membrane, laid over blinded hardcore (m.s) with 300mm side and end laps (measured nett-allow for laps)	SM	10		
	Mass concrete class 15 in:				
G	150mm blinding under conservancy tank	SM	10		
	Reinforced concrete class (20) as described, in:-				
H	200mm Thick surface bed laid in bays including all necessary formwork	SM	10		
I	200mm Thick RC walls	SM	43		
J	200mm Thick suspended top slab	SM	10		
	Reinforcement, as described:-[PROVISIONAL]				
	High yield square twisted reinforcement bars to B.S 4461				
A	10mm bars	Kg	1,213		
	CARRIED TO COLLECTION AT END OF ELEMENT 1	**US$**			

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

ITEM NO.	DESCRIPTION	UNIT	QUANTITY	RATE (US$)	AMOUNT (US$)
	PROPOSED REHABILITATION OF ADMINISTRATION OFFICES GARBAHAREY DISTRICT - JUBBALAND STATE - GEDO REGION				
	SECTION 12: CONSERVANCY TANK				
	MAIN SUMMARY				
	ELEMENT NO. **TITLE**		**PAGE**		
	1 CONSERVANCY TANK		12/2		
	TOTAL FOR SECTION 12: CONSERVANCY TANK - CARRIED TO GRAND SUMMARY	**US$**			

PROVISIONAL SUMS

ITEM NO.	DESCRIPTION	UNIT	QUANTITY	RATE (US$)	AMOUNT (US$)
	PROPOSED REHABILITATION OF SECONDARY SCHOOL BUILDING WITH PLAYGROUND - HUDDUR DISTRICT - SOUTH WEST STATE - BAKOOL REGION				
	SECTION 13: PROVISIONAL SUMS				
	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.				
	The following prime cost sums are for works to be executed complete by nominated Contractors.				
A	Allow a provisional sum of US Dollars _____ only for General Greenery Landscaping Services	Sum			
B	Allow a provisional sum of US Dollars _____ only for Foul Drainage/Soil & Waste Drainage	Sum			
C	Allow a provisional sum of US Dollars _____ only for 3000 X 1200mm chalk blackboard, 50mm HW frame on even plywood surface finished with matte dark paint	Sum			
D	Allow a provisional sum of US Dollars _____ only for demolishing toilets on site and filling the pits as by the details.	Sum			
E	Allow a provisional sum of US Dollars _____ only for demolishing the structures on site that are beyond repair	Sum			
F	Allow a provisional sum of US Dollars _____ only for rehabilitating and improving the well on site for use	Sum			
G	Allow a provisional sum of US Dollars _____ only for CCTV Control System	PC			
	TOTAL FOR SECTION 13: PROVISIONAL SUMS - CARRIED TO GRAND SUMMARY	**US$**			

GRAND SUMMARY

ITEM NO.	DESCRIPTION	PAGE	AMOUNT (US$)
	PROPOSED REHABILITATION OF SECONDARY SCHOOL BUILDING WITH PLAYGROUND - HUDDUR DISTRICT - SOUTH WEST STATE - BAKOOL REGION		
	GRAND SUMMARY		
1	SECTION 1: PRELIMINARIES AND GENERAL ITEMS	1/5	
2	SECTION 2: BLOCK A	2/10	
3	SECTION 3: BLOCK B	3/13	
4	SECTION 4: BLOCK C	4/12	
5	SECTION 5: BLOCK D	5/12	
6	SECTION 6: BLOCK E	6/12	
7	SECTION 7: BLOCK F	7/10	
8	SECTION 8: GATE HOUSE	8/11	
9	SECTION 9: EXTERNAL WORKS	9/2	
10	SECTION 10: SEPTIC TANK	10/5	
11	SECTION 11: OVERHEAD WATER TANK	11/3	
12	SECTION 12: CONSERVANCY TANK	12/3	
13	SECTION 13: PROVISIONAL SUMS	13/1	
	SUB-TOTAL		
	Add for 10% Contingencies		
	TOTAL AMOUNT CARRIED TO FORM OF BID	**US$**	
	SIGNED:		
	(CONTRACTOR)		
	Name of the Authorized Representative		
	Address:		
	.....		
	.....		
	Tel No:		
	Date:		

DAYWORKS SCHEDULE

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

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

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

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