## BILL OF QUANTITIES South Sudan Enhancing Community Resilience and Local Governance Project (ECRP II)

Project Description: Expansion of 3 classroom block with office attached, at Mukta Primary school; & Expansion of 4 classrooms in Ngodakalla primary school and supply pupils Benches and desks including teachers' desks at Wau North Payam.

Tender No.09

Name of Bid	der:			UNIT RATE	
ITEM	DESCRIPTION	QTY	UNIT	(USD)	AMOUNT (USD)
BILL NO. 1	PRELIMINARIES				\$ -
	Notes:				
	All the Bidders are requested to refer "Pricing Preamble and notes below" and works items of this Bills of Quantities shall be priced to fulfill the requirements there-in. Also see that no page or items are missing prior to pricing of this bill of quantities.	Note			
	A list of typical general items are given below. However, the Bidder is requested to price only those items that may affect this Contract.	Note			
	If no price has been stated against any item hereunder, the Contractor shall not be entitled to claim any money for such items even though he is obliged to execute the work or provide services described therein. Preliminary items priced by the Tenderer are deemed to include the cost of unpriced items.	Note			
	Cost and expenses in connection with any other preliminary item which is not listed below, but is necessary for the due completion of works, is deemed to be included in the tender rates.	Note			
1.1	Mobilization and Site Facilities				\$ -
1.1.1	Mobilization of all required Construction materials ,equipments and personel to project site.	Lump Sum	1.00		\$ -
1.1.2	The contractor shall provide adequate space to serve as a temporary site office and fit it with the required facilities for his own site management staff The contractor shall provide adequate space to serve as a temporary site stores or space for storage of plant and materials for the work herein. The contractor shall provide toilet facilities for his workers and the Engineers within the site as directed and with Sanitary conditions meeting WHO Standards.	Lump Sum	1.00		\$ -
1.1.3	The contractor shall provide necessary protective fencing/site hoarding, lighting, watchmen and other precautions and maintain for entire construction period.	Lump Sum	1		\$ -
	PLATES				
	Fabricate a metal visibility plate 100 x 80 mm to be wall mounted. Art work of name board will be issued by IOM	Each	5.00		\$ -
1.1.4	Fabricate and install a sign post stand, 1m x 1.2m metal signboad on a 1.8m stand with a concrete foundation (min. 0.40 x 0.40 x 0.60 m, as directed by the Site Engineer). Concrete class C-25 (1:1:2) with RHS 40 x 40 x 2.5mm posts and 2mm thick sheet metal sign.	Each	1.00		\$ -
	Sites Operations				\$ -
1.1.5	Allow for setting out of works in accordance with drawings; liaise with client to establish exact boundaries and other written information given by the Engineer and obtain written approval from the relevant government authorities for setting out, street and building lines before commencements of construction; Checking of any setting out or of any line or level by the Engineer shall not in any way relieve the Contractor of his responsibility for the accuracy thereof.	Lump Sum	1		\$ -
1.1.6	Allow for supplying water for the Works and facilities of the contractor including connection, distribution system for the work, internal arrangements and all payment to the authorities for connections. It is the responsibility of the Contractor to ensure steady and uninterrupted water supply to Works.	Lump Sum	1		\$ -
1.1.7	Allow for maintaining daily records in the manner required by the Engineer to indicate factual details of, Workers, materials , Machinery and Equipment, Weather	Lump Sum	1		\$ -
1.1.8	Allow for maintaining the sites in clean and orderly fashion at all times and during the entire contract period. Materials, cement etc. shall be kept neatly stacked on the site with all access-ways kept clear. All dust, debris and rubbish etc., arising out of his own works shall be continually cleared and removed from the site. The Engineer's Representative shall certify a percentage of the monthly rate or shall completely suspend the monthly amount if the contractor's maintenance is found to be unacceptable.	Lump Sum	1		\$ -
1.1.9	Allow for providing all necessary safety measures to workmen (provision for proper usage of Personal protective equipment (PPE)). The bidder should submit his comprehensive safety plan with description and number in each safety device and other safety equipment proposed. The Engineer's Representative has the right to pay a percentage of the monthly component to suit the percentage accomplishment of this safety plan.	Lump Sum	1		\$ -
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	Insurances, Bonds & Fees			\$	-
1.1.10	Allow for Contractor's All Risk Insurance Policy, including third party liability and from the starting date until the defects liability certificate has been issued, the risks of personal injury, death, and loss of or damage to property (including, without limitation, the works, plant, materials, and equipment) which are not employers risk but are contractors risk Allow for insurance against claims for worker's compensation. Engineer's and Consultant's representatives, shall be included in the Insurance Policy. Allow for insurance against loss or damage to the works, adjacent structures, any existing overhead and/or underground services that may cause damages during the construction	Lump Sum	1	\$	-

	For the control of the state of the participant.					
	Environmental and Social Safeguarding Requirements				\$	-
	Allow for providing all necessary safety measures to workmen (provision for					
	proper usage of Personal protective equipment (PPE). The bidder should submit					
	his comprehensive safety plan with description and number in each safety device					
1.1.12	and other safety equipment proposed. The Engineer's Representative has the					
	right to pay a percentage of the monthly component to suit the percentage					
	accomplishment of this safety plan.					
	Conduct environmental and social risk assessment and management on all					
1.1.13	subproject sites including conducting inspections to ensure adherenace to the	Lump	1		\$	_
	requirment of IOM and the World Bank	Sum			Ψ	
	Provide resources to ensure a safe working environment including signage,					
1.1.14	access control, fall protection equipment and devices, ocupational safety and	Lump	1		\$	
1.1.14		Sum	'		Φ	-
	health equipment, and first aid kit.	1				
1.1.15	Ensure measures are put in place to guarantee community safety including	Lump	1		\$	_
	stakeholder engagement and information disclosure	Sum				
	Acquire all relevant Environmental perts, licenses and authorisation prior to	Lump				
1.1.16	engaging in any activities that require such. This includes adhereing to conditions	Sum	1		\$	-
	of any licenses issues.	Sulli				
	Rehabilitate and ensure maintanace of aesthetic environment including ensuring	Lump	,			
1.1.17	the sound management of waste on all sites.	Sum	1		\$	-
	Ensure there is a designated qualified and competent environmental and social				1	
1.1.18	safeguards specialist within the controator's team atleast for each subproject site.	Month	6		\$	
1.11.10	adiografia specialist within the controller's team alleast for each susproject site.	WOTH			Ψ	_
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	DILL OF QUANTITIES (DOS) FOR A SUASSINGUE SUASSINGUE SU					
ITEM	BILL OF QUANTITIES (BOQ) FOR 4-CLASSROOM BLOCK SCHOOL	QTY	UNIT	RATE (USD)	AMOUN'	T (USD)
				(00-)		. (,
BILL NO. 2	BOQ CONSTRUCTION OF 4-CLASSROOM BLOCK		1		\$	-
2	SUBSTRUCTURE				\$	-
	Excavation					
2.1.1	Site clearance and removal of debris from site as directed	422.4	m2		\$	-
	Excavate to remove loose top soil not exceeding 0.3 meters deep and cart away as				*	
2.1.2	directed	422.4	m2		\$	-
					<b> </b>	
2.1.3	Excavate in soft material for foundation trenches not exceeding 1.8m deep	156.5	m3		\$	-
	starting from stripped level					
2.1.4	Ditto: Column bases, Verandah post, splash apron and Ramp	53.6	m3		\$	-
	Backfilling					
	Backining				\$	-
	Datkining	40.0			i i	
2.1.5		49.0	m3		\$	-
2.1.5	Return, fill in and ram selected excavated material around foundations and splash apron	49.0	m3		\$	-
	Return, fill in and ram selected excavated material around foundations and splash apron Disposal of Surplus spoils		_		\$	-
2.1.5	Return, fill in and ram selected excavated material around foundations and splash apron Disposal of Surplus spoils Load and cart away surplus material from site to an approved dumping site	49.0	m3		\$ \$	- - -
	Return, fill in and ram selected excavated material around foundations and splash apron Disposal of Surplus spoils Load and cart away surplus material from site to an approved dumping site Crushed stone fill		_		\$	- - - -
2.1.6	Return, fill in and ram selected excavated material around foundations and splash apron Disposal of Surplus spoils Load and cart away surplus material from site to an approved dumping site Crushed stone fill 200mm thick hardcore (crushed stone) compacted in layers not exceeding 100mm deep	33.8	m3		\$ \$ \$ \$	- - - -
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2.1.6 2.1.7 2.1.8 2.1.9 2.1.10	Return, fill in and ram selected excavated material around foundations and splash apron  Disposal of Surplus spoils  Load and cart away surplus material from site to an approved dumping site  Crushed stone fill  200mm thick hardcore (crushed stone) compacted in layers not exceeding 100mm deep and well watered under slab, Verandah and ramps  Imported/selected filling/material  min 500mm thick compacted selected fill to grade  Ditto to ramps  Ditto to Splash apron  Anti-termite treatment  TERMIDOR' or other equal and approved insecticide with a ten-years guarantee to	33.8 48.0 136.4 11.5	m3 m3 m3 m3		\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	- - -
2.1.6 2.1.7 2.1.8 2.1.9 2.1.10 2.1.11	Return, fill in and ram selected excavated material around foundations and splash apron  Disposal of Surplus spoils  Load and cart away surplus material from site to an approved dumping site  Crushed stone fill  200mm thick hardcore (crushed stone) compacted in layers not exceeding 100mm deep and well watered under slab, Verandah and ramps  Imported/selected filling/material  min 500mm thick compacted selected fill to grade  Ditto to ramps  Ditto to Splash apron  Anti-termite treatment  TERMIDOR' or other equal and approved insecticide with a ten-years guarantee to surfaces of fill and tops of foundations	33.8 48.0 136.4 11.5 14.0	m3 m3 m3 m3 m3 m3 m3		\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	- - -
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2.1.6  2.1.7  2.1.8  2.1.9  2.1.10  2.1.11  2.1.12	Return, fill in and ram selected excavated material around foundations and splash apron  Disposal of Surplus spoils  Load and cart away surplus material from site to an approved dumping site  Crushed stone fill  200mm thick hardcore (crushed stone) compacted in layers not exceeding 100mm deep and well watered under slab, Verandah and ramps  Imported/selected filling/material  min 500mm thick compacted selected fill to grade  Ditto to ramps  Ditto to Splash apron  Anti-termite treatment  TERMIDOR' or other equal and approved insecticide with a ten-years guarantee to surfaces of fill and tops of foundations  Ditto to ramps  Damp Proofing  1000 gauge polythene sheet damp proof membrane: to floors: laid on blinded smooth finished hardcore bed with 300mm side and end laps to receive concrete floor bed (m/s)-measured net with no allowance for overlaps	33.8 48.0 136.4 11.5 14.0 445.5 28.8	m3 m3 m3 m3 m3 m3 m2 m2		\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	- - - - - -
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2.1.6  2.1.7  2.1.8  2.1.9  2.1.10  2.1.11  2.1.12  2.1.13  2.1.14	Return, fill in and ram selected excavated material around foundations and splash apron  Disposal of Surplus spoils  Load and cart away surplus material from site to an approved dumping site  Crushed stone fill  200mm thick hardcore (crushed stone) compacted in layers not exceeding 100mm deep and well watered under slab, Verandah and ramps  Imported/selected filling/material  min 500mm thick compacted selected fill to grade  Ditto to ramps  Ditto to Splash apron  Anti-termite treatment  TERMIDOR' or other equal and approved insecticide with a ten-years guarantee to surfaces of fill and tops of foundations  Ditto to ramps  Damp Proofing  1000 gauge polythene sheet damp proof membrane: to floors: laid on blinded smooth finished hardcore bed with 300mm side and end laps to receive concrete floor bed (m/s) -measured net with no allowance for overlaps  Ditto to ramps  Concrete work in substructure  Plain concrete class 15 (mix 1:3:6)  50mm Thick surface blinding under foundations	33.8 48.0 136.4 11.5 14.0 445.5 28.8 297.0 19.2	m3 m3 m3 m3 m3 m3 m2 m2 m2 m2		\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	
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2.1.6  2.1.7  2.1.8  2.1.9  2.1.10  2.1.11  2.1.12  2.1.13  2.1.14	Return, fill in and ram selected excavated material around foundations and splash apron  Disposal of Surplus spoils  Load and cart away surplus material from site to an approved dumping site  Crushed stone fill  200mm thick hardcore (crushed stone) compacted in layers not exceeding 100mm deep and well watered under slab, Verandah and ramps  Imported/selected filling/material  min 500mm thick compacted selected fill to grade  Ditto to ramps  Ditto to Splash apron  Anti-termite treatment  TERMIDOR' or other equal and approved insecticide with a ten-years guarantee to surfaces of fill and tops of foundations  Ditto to ramps  Damp Proofing  1000 gauge polythene sheet damp proof membrane: to floors: laid on blinded smooth finished hardcore bed with 300mm side and end laps to receive concrete floor bed (m/s) -measured net with no allowance for overlaps  Ditto to ramps  Concrete work in substructure  Plain concrete class 15 (mix 1:3:6)  50mm Thick surface blinding under foundations	33.8 48.0 136.4 11.5 14.0 445.5 28.8 297.0 19.2	m3 m3 m3 m3 m3 m3 m2 m2 m2 m2		\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	
2.1.6  2.1.7  2.1.8  2.1.9  2.1.10  2.1.11  2.1.12  2.1.13  2.1.14  2.1.15  2.1.16	Return, fill in and ram selected excavated material around foundations and splash apron  Disposal of Surplus spoils  Load and cart away surplus material from site to an approved dumping site  Crushed stone fill  200mm thick hardcore (crushed stone) compacted in layers not exceeding 100mm deep and well watered under slab, Verandah and ramps  Imported/selected filling/material  min 500mm thick compacted selected fill to grade  Ditto to ramps  Ditto to Splash apron  Anti-termite treatment  TERMIDOR' or other equal and approved insecticide with a ten-years guarantee to surfaces of fill and tops of foundations  Ditto to ramps  Damp Proofing  1000 gauge polythene sheet damp proof membrane: to floors: laid on blinded smooth finished hardcore bed with 300mm side and end laps to receive concrete floor bed (m/s)-measured net with no allowance for overlaps  Ditto to ramps  Concrete work in substructure  Plain concrete class 15 (mix 1:3:6)  50mm Thick surface blinding under foundations  Ditto: Under column bases, Ramp and verandah post  In Situ concrete class 25, vibrated and reinforced as described, in:-	33.8 48.0 136.4 11.5 14.0 445.5 28.8 297.0 19.2 2.8 1.2	m3 m3 m3 m3 m3 m3 m2 m2 m2 m2 m3 m3 m3		\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	
2.1.6  2.1.7  2.1.8  2.1.9  2.1.10  2.1.11  2.1.12  2.1.13  2.1.14  2.1.15  2.1.16	Return, fill in and ram selected excavated material around foundations and splash apron  Disposal of Surplus spoils  Load and cart away surplus material from site to an approved dumping site  Crushed stone fill  200mm thick hardcore (crushed stone) compacted in layers not exceeding 100mm deep and well watered under slab, Verandah and ramps  Imported/selected filling/material  min 500mm thick compacted selected fill to grade  Ditto to ramps  Ditto to Splash apron  Anti-termite treatment  TERMIDOR' or other equal and approved insecticide with a ten-years guarantee to surfaces of fill and tops of foundations  Ditto to ramps  Damp Proofing  1000 gauge polythene sheet damp proof membrane: to floors: laid on blinded smooth finished hardcore bed with 300mm side and end laps to receive concrete floor bed (m/s) -measured net with no allowance for overlaps  Ditto to ramps  Concrete work in substructure  Plain concrete class 15 (mix 1:3:6)  50mm Thick surface blinding under foundations  Ditto: Under column bases, Ramp and verandah post  In Situ concrete class 25, vibrated and reinforced as described, in:-  Strip Footing	33.8 48.0 136.4 11.5 14.0 445.5 28.8 297.0 19.2 2.8 1.2 21.2	m3 m3 m3 m3 m3 m2 m2 m2 m2 m3 m3 m3		\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	
2.1.6  2.1.7  2.1.8  2.1.9  2.1.10  2.1.11  2.1.12  2.1.13  2.1.14  2.1.15  2.1.16  2.1.17  2.1.18	Return, fill in and ram selected excavated material around foundations and splash apron  Disposal of Surplus spoils  Load and cart away surplus material from site to an approved dumping site  Crushed stone fill  200mm thick hardcore (crushed stone) compacted in layers not exceeding 100mm deep and well watered under slab, Verandah and ramps  Imported/selected filling/material  min 500mm thick compacted selected fill to grade  Ditto to ramps  Ditto to Splash apron  Anti-termite treatment  TERMIDOR' or other equal and approved insecticide with a ten-years guarantee to surfaces of fill and tops of foundations  Ditto to ramps  Damp Proofing  1000 gauge polythene sheet damp proof membrane: to floors: laid on blinded smooth finished hardcore bed with 300mm side and end laps to receive concrete floor bed (m/s) -measured net with no allowance for overlaps  Ditto to ramps  Concrete work in substructure  Plain concrete class 15 (mix 1:3:6)  50mm Thick surface blinding under foundations  Ditto: Under column bases, Ramp and verandah post  In Situ concrete class 25, vibrated and reinforced as described, in:-  Strip Footing  Column bases and Verandah post	33.8 48.0 136.4 11.5 14.0 445.5 28.8 297.0 19.2 2.8 1.2 21.2 2.5	m3 m3 m3 m3 m3 m2 m2 m2 m2 m2 m3 m3 m3 m3 m3		\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	
2.1.6  2.1.7  2.1.8  2.1.9  2.1.10  2.1.11  2.1.12  2.1.13  2.1.14  2.1.15  2.1.16  2.1.17  2.1.18  2.1.19	Return, fill in and ram selected excavated material around foundations and splash apron  Disposal of Surplus spoils Load and cart away surplus material from site to an approved dumping site  Crushed stone fill 200mm thick hardcore (crushed stone) compacted in layers not exceeding 100mm deep and well watered under slab, Verandah and ramps  Imported/selected filling/material min 500mm thick compacted selected fill to grade  Ditto to ramps  Ditto to Splash apron  Anti-termite treatment  TERMIDOR' or other equal and approved insecticide with a ten-years guarantee to surfaces of fill and tops of foundations  Ditto to ramps  Damp Proofing  1000 gauge polythene sheet damp proof membrane: to floors: laid on blinded smooth finished hardcore bed with 300mm side and end laps to receive concrete floor bed (m/s) -measured net with no allowance for overlaps  Ditto to ramps  Concrete work in substructure  Plain concrete class 15 (mix 1:3:6)  50mm Thick surface blinding under foundations  Ditto: Under column bases, Ramp and verandah post  In Situ concrete class 25, vibrated and reinforced as described, in:-  Strip Footing  Column bases and Verandah post  Column bases and Verandah post	33.8 48.0 136.4 11.5 14.0 445.5 28.8 297.0 19.2 2.8 1.2 21.2 2.5 1.7	m3 m3 m3 m3 m3 m2 m2 m2 m2 m3 m3 m3 m3 m3 m3		\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	
2.1.6  2.1.7  2.1.8  2.1.9  2.1.10  2.1.11  2.1.12  2.1.13  2.1.14  2.1.15  2.1.16  2.1.17  2.1.18	Return, fill in and ram selected excavated material around foundations and splash apron  Disposal of Surplus spoils  Load and cart away surplus material from site to an approved dumping site  Crushed stone fill  200mm thick hardcore (crushed stone) compacted in layers not exceeding 100mm deep and well watered under slab, Verandah and ramps  Imported/selected filling/material  min 500mm thick compacted selected fill to grade  Ditto to ramps  Ditto to Splash apron  Anti-termite treatment  TERMIDOR' or other equal and approved insecticide with a ten-years guarantee to surfaces of fill and tops of foundations  Ditto to ramps  Damp Proofing  1000 gauge polythene sheet damp proof membrane: to floors: laid on blinded smooth finished hardcore bed with 300mm side and end laps to receive concrete floor bed (m/s) -measured net with no allowance for overlaps  Ditto to ramps  Concrete work in substructure  Plain concrete class 15 (mix 1:3:6)  50mm Thick surface blinding under foundations  Ditto: Under column bases, Ramp and verandah post  In Situ concrete class 25, vibrated and reinforced as described, in:-  Strip Footing  Column bases and Verandah post  Columns in foundations  Ground beam (300x200)mm	33.8  48.0  136.4  11.5  14.0  445.5  28.8  297.0  19.2  2.8  1.2  21.2  2.5  1.7  6.1	m3 m3 m3 m3 m3 m3 m2 m2 m2 m2 m3 m3 m3 m3 m3 m3 m3		\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	
2.1.6  2.1.7  2.1.8  2.1.9  2.1.10  2.1.11  2.1.12  2.1.13  2.1.14  2.1.15  2.1.16  2.1.17  2.1.18  2.1.19	Return, fill in and ram selected excavated material around foundations and splash apron  Disposal of Surplus spoils Load and cart away surplus material from site to an approved dumping site  Crushed stone fill 200mm thick hardcore (crushed stone) compacted in layers not exceeding 100mm deep and well watered under slab, Verandah and ramps  Imported/selected filling/material min 500mm thick compacted selected fill to grade  Ditto to ramps  Ditto to Splash apron  Anti-termite treatment  TERMIDOR' or other equal and approved insecticide with a ten-years guarantee to surfaces of fill and tops of foundations  Ditto to ramps  Damp Proofing  1000 gauge polythene sheet damp proof membrane: to floors: laid on blinded smooth finished hardcore bed with 300mm side and end laps to receive concrete floor bed (m/s) -measured net with no allowance for overlaps  Ditto to ramps  Concrete work in substructure  Plain concrete class 15 (mix 1:3:6)  50mm Thick surface blinding under foundations  Ditto: Under column bases, Ramp and verandah post  In Situ concrete class 25, vibrated and reinforced as described, in:-  Strip Footing  Column bases and Verandah post  Column bases and Verandah post	33.8 48.0 136.4 11.5 14.0 445.5 28.8 297.0 19.2 2.8 1.2 21.2 2.5 1.7	m3 m3 m3 m3 m3 m2 m2 m2 m2 m3 m3 m3 m3 m3 m3		\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	

2000mm wide stone (higher agreepance plank Apromit 4 cement found in the comment of the commen						
High inerable stater rendracement to 16.5 4642 in structural connection with relateding cutting, people griding, highling, high grid per and spacing blocks.   268.8 kg   8   3   2   2   2   2   2   2   2   2   2	2.1.22	600mm wide stone chipping aggregates Splash Apron1:4 cement Sand ratio	7.0	m3		\$ -
Cutting, beading, hosting, fiving wire and specing blocks   28.8 kg   \$ \$		Reinforcement				\$ -
Cutting, beading, hosting, froing, typing wire and spacing blocks   20, 21, 23   3 mm diameter bars   20, 28, 8   kg   S   2, 21, 23   3 mm diameter bars   20, 23, 24, 24, 25   2 mm diameter bars   20, 23, 24, 24, 25   2 mm diameter bars   20, 24, 24, 25   2 mm diameter bars   20, 24, 24, 25   2 mm diameter bars   20, 25   2 mm diameter b		High tensile steel reinforcement to B.S. 4461 in structural concrete work including				
2-12.2   Stand disancter bars   296.3   kg   S						\$ -
2.124   1.0mm diameter bars   2.7433 weighing 2.22 kgs per square meter including bands, the depth reinforcement; 1.5. 5.433 weighing 2.22 kgs per square meter including bands, the depth reinforcement; 1.5. 5.433 weighing 2.22 kgs per square meter including bands, the depth reinforcement; 1.5. 5.433 weighing 2.22 kgs per square meter including bands, the depth reinforcement; 1.5. 5.433 weighing 2.22 kgs per square meter including bands, the depth reinforcement; 1.5. 5.433 weighting 2.22 kgs per square meter including bands, the depth reinforcement; 1.5. 5.433 weighting 2.22 kgs per square meter including bands, the depth reinforcement; 1.5. 5.433 weighting 2.22 kgs per square meter including bands, the depth reinforcement; 1.5. 5.433 weighting 2.22 kgs per square meter including bands, the depth reinforcement; 1.5. 5.433 weighting 2.243 weighting 2.245 weighting 2.256 kgs per square meter including bands, the depth reinforcement; 1.5. 5.433 meters; 1.5. 5.433 meters			252.2			•
2.1.20   1.20m damatet bar   1.20m   2.21 kgs per square meter including bends, ying wire and sparing Blocks   1.20m						•
Mesh reinforcement; 1, 8, 3483 weighing 2, 22 kgs per square meter including bench, tyne, wire and spacing blocks   2, 12, 20   20   20   20   20   20   20   20	2.1.24	10mm diameter bars	2953.2	kg		\$ -
Mesh reinforcement; 8.5. 4483 weighing 2.22 kgs per square meter including bench, thing wife and spacing block in programme to the programme	2.1.25	12mm diameter bars	793.4	kg		\$ -
ying wire and spaning blocks  10.2 mg/s  10.		Mesh reinforcement: B.S. 4483 weighing 2.22 kgs per square meter including bends.				
2.126   Bitto to ramps   19.2						\$ -
	0.1.00	, ,	10.0			•
2.1.28   Vertical sides of ground beam	2.1.26	•	19.2	m2		•
2.1.20   Edges of 150mm high ground floor slab   19.8   m2   \$   \$   \$   \$   \$   \$   \$   \$   \$		Sawn formwork to:				\$ -
2.1.20   Edges of 150mm high ground floor slab   19.8   m2   \$   \$   \$   \$   \$   \$   \$   \$   \$	2.1.27	Vertical sides of ground beam	85.2	m2		\$ -
1.9.8			33.1			•
2.13   Edges of 150mm high ramps						•
Solid concrete Block willing (mix 13:6), with minimum comprehensive strength of 7.0N/mm2.bedded and jointed in cement and (1:3) mortar; reinforced with gauge 20 hopo juron after every laterate course.   104.3 m2						•
Solid concrete block walling (mix 1.3.6), with minimum comprehensive strength of 7,0N/mrz-bedded and polited in cement and (1.3) mortar; reinforced with gauge 20 hosp-iron after every alternate course.  2.1.31 20 mm thick walls	2.1.30		4.8	m2		\$ -
7.0N/mm/z)Eddeds and jointed in cement and (1:3) mortar, reinforced with gauge 20 hopo prion after every lateral course.						\$ -
2.131   200mm thick walls		7.0N/mm2; bedded and jointed in cement sand (1:3) mortar; reinforced with gauge 20				
Directing   S   S   S   S   S   S   S   S   S						•
2.1.33 Pare mitrick cement: sand (1.34) plaster to plinth	2.1.31		104.3	m2		•
Prepare and apply one priming coat and two coats of black bitumastick paint on red red plinits contered plinits contered plinits contered plinits concrete work including control of the property of the prope	<u></u>	<u>Plinths</u>			<u>                                       </u>	-
Prepare and apply one priming coat and two coats of black bitumastick paint on red red plinits contered plinits contered plinits contered plinits concrete work including control of the property of the prope	2.1.32	12 mm thick cement : sand (1:3) plaster to plinth	104.3	m2		•
2.2   STUCTURAL FRAME		, ,, ,		•	†	·
STRUCTURAL FRAME	2.1.33		104.3	m2		\$ -
Concrete work in superstructure in Situ concrete class 25, vibrated and reinforced as described, in:-		·				
reinforced as described, in:-   2.2.1   Column (200x200)   1.9   m3   \$ \$     2.2.2   Ring beam   4.1   m3   \$ \$     2.2.3   Ring beam   4.1   m3   \$ \$     2.2.3   Ring beam   5.2.5     2.2.3   Rinm diameter bars   5.2.5   Ring diameter di	2.2	STRUCTURAL FRAME				\$ -
reinforced as described, in:-   2.2.1   Column (200x200)   1.9   m3   \$ \$     2.2.2   Ring beam   4.1   m3   \$ \$     2.2.3   Ring beam   4.1   m3   \$ \$     2.2.3   Ring beam   5.2.5     2.2.3   Rinm diameter bars   5.2.5   Ring diameter di		Concrete work in superstructure- In Situ concrete class 25, vibrated and				
2.2.1   Column (200200)		· · · · · · · · · · · · · · · · · · ·				
2.2.2   Sing beam	204	·	1.0	m- 3	+ +	•
### thersite steel reinforcement to 8.5.4461 in structural concrete work including cutting, hending, holisting, fixing, tying wire and spacing blocks  2.2.3 8mm diameter bars 2.2.4 12mm diameter bars 2.2.5 RHSD0x3mm Steel column Supporting the roof at the Verendah 3. Can be seen to steel column Supporting for at the verendah 3. Can be seen to support the seen to support the verendah 3. Can be seen to support the seen to support the verendah 3. Can be seen the verendah 3. C						
Cutting hearing, hoisting, fiving, tying wire and spacing blocks   S   Capable   Cap	2.2.2	Ring beam	4.1	m3		\$ -
Cutting hearing, hoisting, fiving, tying wire and spacing blocks   S   Capable   Cap	1	High tensile steel reinforcement to B.S. 4461 in structural concrete work including				
2.2.3 8mm diameter bars  2.2.4 1/2mm diameter bars  RHS section steel column Supporting the roof at the Verendah  2.5 RHS1000:3mm Steel columns Supporting roof at the verendah  2.6 RHS section steel columns Supporting roof at the verendah  2.7 RHS section steel columns Supporting roof at the verendah  2.8 RHS1000:3mm Steel columns Supporting roof at the verendah  2.9 No  2.0 No  \$  Sawn formwork  2.0 No  \$  Sawn formwork  2.1 Mig beam  \$  WALLING  Damp proof Course  Three- ply bituminous felt domp proof course bedded in cement and sand (1:3) mortar  Innecesured nett allow for 300mm laps:  2.0 No  Walling  \$  2.1 No  Solid blocks 200mm thick  2.2 No  2.2						\$ -
2.2.4   12mm diameter bars	222		255.0	l.~		¢
RHS section steel column Supporting the roof at the Verendah   9.0 No   \$					<del> </del>	•
2.2.5   RHS100Ximm Steel columns supporting roof at the verendah   9.0   No   \$   \$   \$   \$   \$   \$   \$   \$   \$	2.2.4		833.1	kg		
2.2.5   RHS100Ximm Steel columns supporting roof at the verendah   9.0   No   \$   \$   \$   \$   \$   \$   \$   \$   \$		RHS section steel column Supporting the roof at the Verendah				\$ -
Sawn formwork	2.2 5		9.0	Nο		•
2.2.6   Vertical sides of Columns		1, 0		. 10	<del> </del>	•
2.2.7   Ring beam   63.2   m2   \$   \$   \$   \$   \$   \$   \$   \$   \$	000		44.7	0		
MALLING  Damp proof Course  Damp proof Course  Three-p by bituminous felt damp proof course bedded in cement and sand (1:3) mortar (Imeasured nett allow for 300mm lags):  2.2.8 200mm wide  Walling  Solid blocks 200mm thick  2.2.9 200mm thick walls reinforced with two lines of hoop iron after every three courses  2.2.10 50mm Concrete Window cill  2.2.11 50mm Concrete Window cill  2.2.11 into joint of block walling.  2.2.12 Gable end with vent 600mm Ø  2.2.13 Gable end with vent 600mm Ø  2.3. 800F AND RAIN WATER DISPOSAL  Roof Construction  Option #1: either  Structural steelwork grade 4.3C (factory primed) to be executed by an approved sub-contractor.  2.3.1 50 x 50 x 3mm Bottom chord, welded to the top of column  95 x 50 x 50 x 3mm Bottom chord, welded to the top of column  2.3.2 50 x 50 x 3mm SHS internals welded with 6mm fillet welds to 50 x 50 x 3mm Bottom chord, selded with 6mm fillet welds to 50 x 50 x 3mm Bottom chord, selded with 6mm fillet welds to 50 x 50 x 3mm Bottom chord, selded with 6mm fillet welds to 50 x 50 x 3mm Bottom chord, selded with 6mm fillet welds to 50 x 50 x 3mm Bottom chord, selded with 6mm fillet welds to 50 x 50 x 3mm Bottom chord, selded with 6mm fillet welds to 50 x 50 x 3mm Bottom chord, selded with 6mm fillet welds to 50 x 50 x 3mm Bottom chord, selded with 6mm fillet welds to 50 x 50 x 3mm Bottom chord, selded with 6mm fillet welds to 50 x 50 x 3mm Bottom chords (Bottom and Top chords measured separately)  2.3.3 40 x 40 x 3mm SHS internals welded with 6mm fillet welds to 50 x 50 x 3mm Bottom chords (Bottom and Top chords measured separately)  3. 40 x 40 x 3mm SHS internals welded with 6mm fillet welds to 50 x 50 x 3mm Bottom chords (Bottom and Top chords measured separately)  3. 50 x 50 x 2mm thick Z-purlins securely fixed onto the steel trusses (MS) including necessary drilling holes welding/botts and washers  3. 60 x 50 x 2mm thick Z-purlins securely fixed onto the steel trusses (MS) including all the welding, straining, surface preparation and hoisting into position.  2.3.6						•
Damp proof Course  Three-ply bituminous felt damp proof course bedded in cement and sand (1:3) mortar.  (measured net follow for 300mm laps):  2.2.8 200mm wide  Walling  Solid blacks 200mm thick  2.2.9 200mm thick walls reinforced with two lines of hoop iron after every three courses  2.2.10 50mm Concrete Window cill  2.2.11 20 SWG Hoop Iron wall the 25mm wide x 450mm long cast 75mm into concrete and built into joint of block walling.  2.2.12 21 20 SWG Hoop Iron wall the 25mm wide x 450mm long cast 75mm into concrete and built into joint of block walling.  2.2.12 3 ROOF AND RAIN WATER DISPOSAL  Roof Construction  Option #1: either Structural steelwork grade 4.3C (factory primed) to be executed by an approved sub-contractor.  2.3.1 50 x 50 x 3mm Bottom chord, welded to the top of column  50 x 50 x 3mm Top chord/rafters welded with 6mm fillet welds to 40 x 40 x 3mm RHS internals measured separately)  2.3.3 Bottom/top chords (Bottom and Top chords measured separately)  40x40x3mm RHS section bracings welded to the useds to 50 x 50 x 3mm Bottom/top chords (Bottom and Top chords measured separately)  2.3.4 40x40x3mm RHS section bracings welded to trusses at each intersection; including necessary drilling holes welding/botts and washers  2.3.5 100 x 50 x 2mm thick Z-purlins securely fixed onto the steel trusses (MS) including all the welding, straining, surface preparation and hoisting into position.  2.3.6 16mm diam anchor botts L=250 to be welded on steel reinforcement  40.0 Nr  \$  3 Supplying & fixing of gauge 28 pre-painted Super Five IT4 profiled roofing sheets (0.5mm)  3 Supplying & fixing of gauge 28 pre-painted Super Five IT4 profiled roofing sheets (0.5mm)  3 Supplying & fixing of gauge 28 pre-painted Super Five IT4 profiled roofing sheets (0.5mm)	2.2.7	Ring beam	63.2	m2		\$ -
Damp proof Course  Three- ply bituminous felt damp proof course bedded in cement and sand (1:3) mortar.  [measured net follow for 300mm laps]:  2.2.8 200mm wide  Walling  Solid blacks 200mm thick  2.2.9 200mm thick walls reinforced with two lines of hoop iron after every three courses  2.2.10 50mm Concrete Window cill  2.2.11 20 50mm Concrete Window cill  2.2.11 20 SWG Hoop iron wall tie 25mm wide x 450mm long cast 75mm into concrete and built into joint of block walling.  2.2.12 Gable end with vent 600mm Ø  2.2.13 Roof AND RAIN WATER DISPOSAL  Roof Construction  Option #1: either Structural steelwork grade 4.3C (factory primed) to be executed by an approved sub-contractor.  2.3.1 50 x 50 x 3mm Bottom chord, welded to the top of column  50 x 50 x 3mm Top chord/rafters welded with 6mm fillet welds to 40 x 40 x 3mm RHS internals measured separately)  2.3.3 Bottom/top chords (Bottom and Top chords measured separately)  40x 40 x 3mm SHS internals welded with 6mm fillet welds to 50 x 50 x 3mm Bottom/top chords (Bottom and Top chords measured separately)  2.3.4 40x40x3mm RHS section bracings welded to trusses at each intersection; including necessary drilling holes welding/botts and washers  2.3.5 100 x 50 x 2mm thick Z-purlins securely fixed onto the steel trusses (MS) including all the welding, straining, surface preparation and hoisting into position.  2.3.6 16mm diam anchor botts L=250 to be welded on teel reinforcement  40.0 Nr  \$  2.3.7 150x150x8mm plate (fillet weld of 6mmthick) welded to the truss and colum  14.0 Nr  \$  2.3.8 5upplying & fixing of gauge 28 pre-painted Super Five IT4 profiled roofing sheets (0.5mm)  2.3.8 5upplying & fixing of gauge 28 pre-painted Super Five IT4 profiled roofing sheets (0.5mm)		WALLING				\$ -
Three-ply bituminous felt damp proof course bedded in cement and sand (1:3) mortar (measured nett allow for 300mm laps):  2.2.8   200mm wide   101.0   m   \$		Damp proof Course				•
2.2.8   200mm wide						Ψ
2.2.8   200mm wide   101.0   m   \$	]					\$ -
Walling   Solid blocks 200mm thick   S   S   C						<u>'</u>
Walling   Solid blocks 200mm thick   S   S   C	2.2.8	200mm wide	101.0	m	<u>                                      </u>	\$ -
Solid blocks 200mm thick   \$   -						•
22.99 200mm thick walls reinforced with two lines of hoop iron after every three courses  2.10 S0mm Concrete Window cill  2.2.11 S0mm Concrete Window cill  2.2.11 into joint of block walling.  2.2.12 Gable end with vent 600mm Ø  2.3. ROOF AND RAIN WATER DISPOSAL  Roof Construction  Option #1: either Structural steelwork grade 4.3C (factory primed) to be executed by an approved sub-contractor.  2.3.1 50 x 50 x 3mm Bottom chord, welded to the top of column  50 x 50 x 50 x 3mm Top chord/rafters welded with 6mm fillet welds to 40 x 40 x 3mm RHS internals (RHS internals measured separately)  40 x 40 x 3mm SHS internals welded with 6mm fillet welds to 50 x 50 x 3mm Bottom/top chords (Bottom and Top chords measured separately)  2.3.4 40 x 40 x 3mm RHS section bracings welded to trusses at each intersection; including necessary drilling holes welding/botts and washers  2.3.5 100 x 50 x 2mm thick Z-purlins securely fixed onto the steel trusses (MS) including all the welding, straining, surface preparation and hoisting into position.  2.3.6 16mm diam anchor bolts L=250 to be welded on steel reinforcement  2.3.7 150x150x8mm plate (fillet weld of 6mmthick) welded to the truss and colum  S - Supplying & fixing of gauge 28 pre-painted Super Five IT4 profiled roofing sheets (0.5mm)  2.3.8 Supplying & fixing of gauge 28 pre-painted Super Five IT4 profiled roofing sheets (0.5mm)		9			<del> </del>	•
2.2.10 Somm Concrete Window cill 20.8 m \$ - 2.2.11 so 20 SWG Hoop Iron wall tie 25mm wide x 450mm long cast 75mm into concrete and built into joint of block walling. 60.0 Item \$ - 2.2.12 Gable end with vent 600mm Ø 14.7 mz \$ - 2.2.12 ROOF AND RAIN WATER DISPOSAL		Sona Gooks 200mm timek			+	Ψ -
2.2.10 Somm Concrete Window cill 20.8 m \$ - 2.2.11 so 20 SWG Hoop Iron wall tie 25mm wide x 450mm long cast 75mm into concrete and built into joint of block walling. 60.0 Item \$ - 2.2.12 Gable end with vent 600mm Ø 14.7 mz \$ - 2.2.12 ROOF AND RAIN WATER DISPOSAL	229		177.6	m2		\$ -
2.2.11 20 SWG Hoop Iron wall tie 25mm wide x 450mm long cast 75mm into concrete and built into joint of block walling. 2.2.12 Gable end with vent 600mm Ø  2.3 ROOF AND RAIN WATER DISPOSAL  Roof Construction  Option #1: either Structural steelwork grade 4.3C (factory primed) to be executed by an approved sub-contractor.  2.3.1 50 x 50 x 3mm Bottom chord, welded to the top of column  2.3.2 50 x 50 x 3mm Top chord/rafters welded with 6mm fillet welds to 40 x 40 x 3mm RHS internals (RHS internals measured separately)  2.3.3 40 x 40 x 3mm SHS internals welded with 6mm fillet welds to 50 x 50 x 3mm Bottom chords (Bottom and Top chords measured separately)  2.3.4 40x40x3mm RHS section bracings welded to trusses at each intersection; including necessary drilling holes welding/bolts and washers  2.3.5 100 x 50 x 2mm thick Z-purlins securely fixed onto the steel trusses (MS) including all the welding, straining, surface preparation and hoisting into position.  2.3.6 16mm diam anchor bolts L=250 to be welded on steel reinforcement  2.3.7 150x150x8mm plate (fillet weld of 6mmthick) welded to the truss and colum  Supplying & fixing of gauge 28 pre-painted Super Five IT4 profiled roofing sheets (0.5mm arrange in the steel fixed on to fixed on the steel fixed on			_,,	1112		<u> </u>
2.2.11 20 SWG Hoop Iron wall tie 25mm wide x 450mm long cast 75mm into concrete and built into joint of block walling. 2.2.12 Gable end with vent 600mm Ø  2.3 ROOF AND RAIN WATER DISPOSAL  Roof Construction  Option #1: either Structural steelwork grade 4.3C (factory primed) to be executed by an approved sub-contractor.  2.3.1 50 x 50 x 3mm Bottom chord, welded to the top of column  2.3.2 50 x 50 x 3mm Top chord/rafters welded with 6mm fillet welds to 40 x 40 x 3mm RHS internals (RHS internals measured separately)  2.3.3 40 x 40 x 3mm SHS internals welded with 6mm fillet welds to 50 x 50 x 3mm Bottom chords (Bottom and Top chords measured separately)  2.3.4 40x40x3mm RHS section bracings welded to trusses at each intersection; including necessary drilling holes welding/bolts and washers  2.3.5 100 x 50 x 2mm thick Z-purlins securely fixed onto the steel trusses (MS) including all the welding, straining, surface preparation and hoisting into position.  2.3.6 16mm diam anchor bolts L=250 to be welded on steel reinforcement  2.3.7 150x150x8mm plate (fillet weld of 6mmthick) welded to the truss and colum  Supplying & fixing of gauge 28 pre-painted Super Five IT4 profiled roofing sheets (0.5mm arrange in the steel fixed on to fixed on the steel fixed on	2.2.10	50mm Concrete Window cill	20.8	m		\$ -
2.2.11   Into joint of block walling.   60.0   Item   \$   -	<del>-</del>				†	
2.2.12 Gable end with vent 600mm Ø 14.7 m2 \$ -  2.3 ROOF AND RAIN WATER DISPOSAL \$ -  Roof Construction  Option #1: either  Structural steelwork grade 4.3C (factory primed) to be executed by an approved sub-contractor.  2.3.1 50 x 50 x 3mm Bottom chord, welded to the top of column 95.4 m \$ -  2.3.2 ROS Sobream Top chord/rafters welded with 6mm fillet welds to 40 x 40 x 3mm RHS internals (RHS internals measured separately) 100.8 m \$ -  2.3.3 40 x 40 x 3mm SHS internals welded with 6mm fillet welds to 50 x 50 x 3mm Bottom chord, welded to trusses at each intersection; including necessary drilling holes welding/botts and washers 99.1 m \$ -  2.3.4 100 x 50 x 2mm thick Z-purlins securely fixed onto the steel trusses (MS) including all the welding, straining, surface preparation and hoisting into position.  2.3.5 150x150x8mm plate (fillet weld of 6mmthick) welded to the truss and colum 14.0 Nr \$ -  Roof Covering \$ -  2.3.8 Supplying & fixing of gauge 28 pre-painted Super Five IT4 profiled roofing sheets (0.5mm 277.4 m2	2.2.11	·	60.0	Item		\$ -
2.3 ROOF AND RAIN WATER DISPOSAL  Roof Construction  Option #1: either Structural steelwork grade 4.3C (factory primed) to be executed by an approved sub-contractor.  2.3.1 50 x 50 x 3mm Bottom chord, welded to the top of column  50 x 50 x 3mm Top chord/rafters welded with 6mm fillet welds to 40 x 40 x 3mm RHS internals (RHS internals measured separately)  100.8 m  \$ -  40 x 40 x 3mm SHS internals welded with 6mm fillet welds to 50 x 50 x 3mm Bottom/top chords (Bottom and Top chords measured separately)  2.3.4 40x40x3mm RHS section bracings welded to trusses at each intersection; including necessary drilling holes welding/bolts and washers  2.3.5 100 x 50 x 2mm thick Z-purlins securely fixed onto the steel trusses (MS) including all the welding, straining, surface preparation and hoisting into position.  2.3.6 16mm diam anchor bolts L=250 to be welded on steel reinforcement  14.0 Nr  \$ -  Roof Covering  \$ -  150x150x8mm plate (fillet weld of 6mmthick) welded to the truss and colum  \$ -  14.0 Nr  \$ -  Roof Covering  \$ -  2.3.8 Supplying & fixing of gauge 28 pre-painted Super Five IT4 profiled roofing sheets (0.5mm)		·				<u>'</u>
Roof Construction  Option #1: either Structural steelwork grade 4.3C (factory primed) to be executed by an approved sub-contractor.  2.3.1 50 x 50 x 3mm Bottom chord, welded to the top of column  2.3.2 50 x 50 x 3mm Top chord/rafters welded with 6mm fillet welds to 40 x 40 x 3mm RHS internals (RHS internals measured separately)  2.3.3 40 x 40 x 3mm SHS internals welded with 6mm fillet welds to 50 x 50 x 3mm Bottom/top chords (Bottom and Top chords measured separately)  2.3.4 40x40x3mm RHS section bracings welded to trusses at each intersection; including necessary drilling holes welding/bolts and washers  2.3.5 100 x 50 x 2mm thick Z-purlins securely fixed onto the steel trusses (MS) 404.4 m \$ - including all the welding, straining, surface preparation and hoisting into position.  2.3.6 16mm diam anchor bolts L=250 to be welded on steel reinforcement 40.0 Nr \$ - 2.3.7 150x150x8mm plate (fillet weld of 6mmthick) welded to the truss and colum  Roof Covering \$ - 2.3.8 Supplying & fixing of gauge 28 pre-painted Super Five IT4 profiled roofing sheets (0.5mm) 277.4 m2	2.2.12	Gable end with vent 600mm Ø	14.7	m2		\$ -
Roof Construction  Option #1: either Structural steelwork grade 4.3C (factory primed) to be executed by an approved sub-contractor.  2.3.1 50 x 50 x 3mm Bottom chord, welded to the top of column  2.3.2 50 x 50 x 3mm Top chord/rafters welded with 6mm fillet welds to 40 x 40 x 3mm RHS internals (RHS internals measured separately)  2.3.3 40 x 40 x 3mm SHS internals welded with 6mm fillet welds to 50 x 50 x 3mm Bottom/top chords (Bottom and Top chords measured separately)  2.3.4 40x40x3mm RHS section bracings welded to trusses at each intersection; including necessary drilling holes welding/bolts and washers  2.3.5 100 x 50 x 2mm thick Z-purlins securely fixed onto the steel trusses (MS) 404.4 m \$ - including all the welding, straining, surface preparation and hoisting into position.  2.3.6 16mm diam anchor bolts L=250 to be welded on steel reinforcement 40.0 Nr \$ - 2.3.7 150x150x8mm plate (fillet weld of 6mmthick) welded to the truss and colum  Roof Covering \$ - 2.3.8 Supplying & fixing of gauge 28 pre-painted Super Five IT4 profiled roofing sheets (0.5mm) 277.4 m2	2.3	ROOF AND RAIN WATER DISPOSAL				\$ -
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2.3.2   50 x 50 x 3mm Top chord/rafters welded with 6mm fillet welds to 40 x 40 x 3mm   100.8   m   \$ -	224		05 /	m	+	<b>¢</b>
2.3.2 RHS internals (RHS internals measured separately)  2.3.3 40 x 40 x 3mm SHS internals welded with 6mm fillet welds to 50 x 50 x 3mm Bottom/top chords (Bottom and Top chords measured separately)  2.3.4 40x40x3mm RHS section bracings welded to trusses at each intersection; including necessary drilling holes welding/bolts and washers  2.3.5 100 x 50 x 2mm thick Z-purlins securely fixed onto the steel trusses (MS) including all the welding, straining, surface preparation and hoisting into position.  2.3.6 16mm diam anchor bolts L=250 to be welded on steel reinforcement  2.3.7 150x150x8mm plate (fillet weld of 6mmthick) welded to the truss and colum  Roof Covering  3.7.4 m2  3.7.4 m2	۷.۵.۱		JJ.4	111	+	Ψ -
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2.3.3 Bottom/top chords (Bottom and Top chords measured separately)  2.3.4 40x40x3mm RHS section bracings welded to trusses at each intersection; including necessary drilling holes welding/bolts and washers  2.3.5 100 x 50 x 2mm thick Z-purlins securely fixed onto the steel trusses (MS) including all the welding, straining, surface preparation and hoisting into position.  2.3.6 16mm diam anchor bolts L=250 to be welded on steel reinforcement  2.3.7 150x150x8mm plate (fillet weld of 6mmthick) welded to the truss and colum  Roof Covering  \$				•••		*
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2.3.4 40x40x3mm RHS section bracings welded to trusses at each intersection; including necessary drilling holes welding/bolts and washers  2.3.5 100 x 50 x 2mm thick Z-purlins securely fixed onto the steel trusses (MS) 404.4 m \$\$ - including all the welding, straining, surface preparation and hoisting into position.  2.3.6 16mm diam anchor bolts L=250 to be welded on steel reinforcement 40.0 Nr \$\$ - 2.3.7 150x150x8mm plate (fillet weld of 6mmthick) welded to the truss and colum \$\$ - \$\$ Supplying & fixing of gauge 28 pre-painted Super Five IT4 profiled roofing sheets (0.5mm 277.4 m² \$\$ - \$\$	2.3.3	Bottom/top chords (Bottom and Top chords measured separately)	144.1	III		φ -
2.3.4 including necessary drilling holes welding/bolts and washers  99.1 m  \$ -  2.3.5 100 x 50 x 2mm thick Z-purlins securely fixed onto the steel trusses (MS) 404.4 m  \$ -  including all the welding, straining, surface preparation and hoisting into position.  2.3.6 16mm diam anchor bolts L=250 to be welded on steel reinforcement  40.0 Nr  \$ -  2.3.7 150x150x8mm plate (fillet weld of 6mmthick) welded to the truss and colum  Roof Covering  \$ -  8 -  Supplying & fixing of gauge 28 pre-painted Super Five IT4 profiled roofing sheets (0.5mm)		1 77				
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including all the welding, straining, surface preparation and hoisting into position.  2.3.6 16mm diam anchor bolts L=250 to be welded on steel reinforcement 40.0 Nr \$ -  2.3.7 150x150x8mm plate (fillet weld of 6mmthick) welded to the truss and colum 14.0 Nr \$ -  Roof Covering \$ -  Supplying & fixing of gauge 28 pre-painted Super Five IT4 profiled roofing sheets (0.5mm 277.4 m² \$ -		morading hecessary unling holes welding/bulls and washers				
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2.3.6 16mm diam anchor bolts L=250 to be welded on steel reinforcement 40.0 Nr \$ -  2.3.7 150x150x8mm plate (fillet weld of 6mmthick) welded to the truss and colum  Roof Covering \$ -  Supplying & fixing of gauge 28 pre-painted Super Five IT4 profiled roofing sheets (0.5mm 277.4 m² \$ -	2.3.5	100 x 50 x 2mm thick Z-purlins securely fixed onto the steel trusses (MS)	404.4	m		\$ -
2.3.6 16mm diam anchor bolts L=250 to be welded on steel reinforcement 40.0 Nr \$ -  2.3.7 150x150x8mm plate (fillet weld of 6mmthick) welded to the truss and colum  Roof Covering \$ -  Supplying & fixing of gauge 28 pre-painted Super Five IT4 profiled roofing sheets (0.5mm 277.4 m² \$ -		including all the welding, straining, surface preparation and hoisting into position.				
2.3.7   150x150x8mm plate (fillet weld of 6mmthick) welded to the truss and colum   14.0   Nr   \$ - Roof Covering   \$ - Supplying & fixing of gauge 28 pre-painted Super Five IT4 profiled roofing sheets (0.5mm   277.4   m²   \$ - Profiled	236		40 O	Nr		\$ -
Roof Covering  Supplying & fixing of gauge 28 pre-painted Super Five IT4 profiled roofing sheets ( 0.5mm 277.4 m2	2.0.0		70.0	1 41		Ψ -
Roof Covering  Supplying & fixing of gauge 28 pre-painted Super Five IT4 profiled roofing sheets ( 0.5mm 277.4 m2 \$ -	2.3.7	4E0v4E0v0mm plate (fillet world of Committies) would be the three and selection	14.0	Nr		\$ -
Supplying & fixing of gauge 28 pre-painted Super Five IT4 profiled roofing sheets ( 0.5mm	_	130x 130xoriffi plate (fillet weld of ommtnick) welded to the truss and colum				•
Supplying & fixing of gauge 28 pre-painted Super Five IT4 profiled roofing sheets ( 0.5mm		Roof Covering				\$ -
738   117		·			†	
I) or approved colour: lixed with 3-boits to 100 x 50 x 2mm zed purlins ( measured	2.3.8		377.4	m2		\$ -
		I) or approved colour, fixed with 3-boits to 100 x 50 x 2min zed purins ( medsured			1	

	Supplying & fixing of an approved heat insulation layer fixed to purlins according to		1		1	
2.3.9	manufacturer's specifications.	377.4	m2		\$	-
2.3.10	Supplying & fixing Gauge 28 prepainted ridge cap; 650mm girth (average) in position complete with all necessary roofing screws or hooks as required.	33.7	m		\$	-
	Valance / Barge Board				\$	
2.3.11	25x225mm high timber valance board / barge board bolted to 100 x 100 x 8mm thick mild steel plate with 4 No 12mm diameter bolts : plates welded to edges of rafters: all complete with approved wood preservative as specified and as per Drawing.	78.6	m		\$	-
	Rain Water Disposal				\$	
	Supply and fix rain water system to manufacturer's instructions.				\$	
2.3.12	250x350 GMS 2mm thick gutter with its accessories and fittings	67.40	m		\$	
2.3.13	Rainwater outlets with nozzle for 100mm rainwater down pipe outlet.	4.00	Nr		\$	-
2.3.14	10000L Plastic tank including plumbing work (pipe connections and taps)	1.00	lump sum		\$	-
2.3.15	Water tank concrete plinth construction including supply and installation of all materials and labour	1.00	lump sum		\$	-
2.3.16	Soak pit construction including supply and installation of all materials and labour	1.00	lump sum		\$	_
2.3.17	Storm water drainage	78.60	m		\$	
2.3.17	DOORS AND WINDOWS	78.00	111		\$	
	Note: All doors to be supplied and fixed as per the details and schedule provided. All iron Mongery that has not been measured separately shall be priced together with the corresponding door.				Ψ	_
2.3.18	Door Shutter  Steel doors to fit structural opening size 950mm x 2700mm high: RHS steel frame 40mm x 40mm x 2mm, Painted with 2 coats of antirust paint & one coat of enamel paint, 180D Opening, 0.5mm casement metal pane, with Bugalar proofing with RHS 25mm x 25mm x 25mm x 25mm vertical steel bars at equal intervals welded to frames on the enterior side. Ironmongry stainless steel pull-push bar handle, 0.5mm thick steel louvers at top welded to RHS frame. Louver to be covered with approved mosquito net.	4.0	Nr		\$	-
	Painting and Decorating				\$	
	Prepare and apply two coats of brown rust inhibiting primer finished with two coats of					
	white matt oil paint on metal:-				\$	-
2.3.19	Surfaces steel plated doors and steel frames	20.5	m2		\$	-
	WINDOWS				\$	-
	Purpose made steel casement windows manufactured from standard strong Z sections: manufacture, assemble and deliver to site: Supply and fix ironmongery comprising approved hinges, stays, fasteners to opening lights: frames drilled, plugged and screwed or built into walling: one coat red oxide primer before delivery.				\$	-
	Supply and fix the following				\$	-
2.3.20	W1. 1200x1600mm. door Frame material is LTZ steel frame 40mm x 40mm x 2mm, Painted with 2 coats of antirust paint & one coat of enamel paint glased with 5mm thick clear glass. Bugler proofing is RHS 25 X 25 X 2 mm steel bars welded to frames at equal spacing behind glazings on the interior side and 0.5mm thick steel louvers welded to RHS frame. Louver to be covered with approved mosquito net. Ironmongry stainless steel pull- push bar handle	32.0	Nr		\$	-
2.3.21	Burglar proofing grille comprising 12mm high yield tensile bars 150mm centres vertical and 300mm centres horizontal in cobweb pattern having one coat of red oxide primer to fit the above window sizes.	870.4	m		\$	-
2.3.22	Iron Mongery and matching fixing	32.0	Nr		\$	
2.3.23	Fastener	32.0	Nr		\$	-
2.3.24	Stay	32.0	Nr		\$	-
	Ordinary quality(OQ) clear sheet glass and glazing				\$	-
2.3.25	4mm glass: glazing to metal casement panes 0.1-0.5mm2 with tropical glazing putty	61.4	m2		\$	-
2.4	ELECTRICAL INSTALLATIONS				\$	-
	Earthing					
	•			Ī	1	
2.4.1	Supply and install Earthing of DC installation at the combiner box on the roof comprising of 25sq.mm SC PVC insulated copper cable from the roof to copper earth electrode of size 1200mm long x15mm diameter enclosed by a concrete manhole of size 300x300x200mm with removable cover	1.0	Lumpsum		\$	-
	Supply and install Earthing of DC installation at the combiner box on the roof comprising of 25sq.mm SC PVC insulated copper cable from the roof to copper earth electrode of size 1200mm long x15mm diameter enclosed by a concrete manhole of size 300x300x200mm with removable cover  TESTING & COMMISSIONING		·		\$	<u>-</u>
2.4.2	Supply and install Earthing of DC installation at the combiner box on the roof comprising of 25sq.mm SC PVC insulated copper cable from the roof to copper earth electrode of size 1200mm long x15mm diameter enclosed by a concrete manhole of size 300x300x200mm with removable cover  TESTING & COMMISSIONING  Allow for testing and commissioning for earthing installations system	1.0	Lumpsum  Lumpsum		\$	-
	Supply and install Earthing of DC installation at the combiner box on the roof comprising of 25sq.mm SC PVC insulated copper cable from the roof to copper earth electrode of size 1200mm long x15mm diameter enclosed by a concrete manhole of size 300x300x200mm with removable cover  TESTING & COMMISSIONING  Allow for testing and commissioning for earthing installations system  FINISHES		·		\$	-
2.4.2 2.5	Supply and install Earthing of DC installation at the combiner box on the roof comprising of 25sq.mm SC PVC insulated copper cable from the roof to copper earth electrode of size 1200mm long x15mm diameter enclosed by a concrete manhole of size 300x300x200mm with removable cover  TESTING & COMMISSIONING  Allow for testing and commissioning for earthing installations system  FINISHES  Floor Finishes: Cement and sand (1:3) screeds and pavings: one coat: steel trowel finish: laid on concrete	1.0	Lumpsum		\$ \$	
2.4.2	Supply and install Earthing of DC installation at the combiner box on the roof comprising of 25sq.mm SC PVC insulated copper cable from the roof to copper earth electrode of size 1200mm long x15mm diameter enclosed by a concrete manhole of size 300x300x200mm with removable cover  TESTING & COMMISSIONING  Allow for testing and commissioning for earthing installations system  FINISHES  Floor Finishes: Cement and sand (1:3) screeds and pavings: one coat: steel trowel finish:		·		\$	-

	200				1 4	
2.5.3	300mm x 10mm rendered skirt	104.0	m		\$	-
	walls				\$	-
	Prepare surfaces: apply three coats weather guard emulsion paint:				\$	-
2.5.4	Rendered surfaces: walls	178.6	m2		\$	-
	Skirt				\$	-
	Prepare surfaces: apply three coats bituminous paint;				\$	-
2.5.5	Skirt	104.0	m		\$	_
2.0.0	Internal Wall finishes Cement/lime putty/sand(1:2:9)				\$	_
	minerial real minerios comentante partyroana ( 11210)				Ψ	
2.5.6	45mm pleater to wells and congrete curfeeces steel trawelled amouth	212.2	m2		\$	-
	15mm plaster to: walls and concrete surfaces: steel trowelled smooth					
	Prepare surfaces: apply three coats vinyl silk soft white emulsion paint: on steel	104.0	m		\$	_
	trowelled plaster: to Skirting				,	
	FITTINGS & FIXTURES				\$	-
	The following in 4 No. Pin boards each classroom size as directed by the				\$	_
	Engineer				φ	
2.5.8	15mm thick 'cellotex, soft board (in 3 No.)	30.4	m2		\$	-
2.5.9	25 x 50mm beading to edges of pin boards	48.0	m		\$	-
2.5.10	Prepare and apply one under coat and two coats of emulsion paint : on	30.4	m2		\$	-
2.5.11	General surfaces: soft board lining	29.2	m		\$	-
	Knot prime and stop and apply three gloss oil paint to timber surfaces not				, , , , , , , , , , , , , , , , , , ,	
<b>クム 1つ</b>	exceeding 100mm girth.	30.4	m2		\$	-
	Surfaces 25 x 50mm girth: edge trim	48.0	m		\$	-
	The following in blackboards: size 3m x 1.2m high (in 1 No)	14.4	m2	-	\$	
	20mm thick internal lime plaster to walls internally	28.8	m2	1	\$	
2.0.10	Zonim anok internal lime plaster to walls internally	20.0	IIIZ		φ	-
2.5.16	Dranara and apply three costs of black hit mostic point to black have a curfaces	43.2	m2		\$	-
	Prepare and apply three coats of black bit mastic paint to blackboard surfaces			-		
251/	Knot prime and stop and apply three gloss oil paint to timber surfaces not	24.0	m		\$	-
	exceeding 100mm girth.					
	Railings				\$	-
	Handrails for length of ramps on both sides,					
2A.7.5	CHS 50mm dia. and 2.5 mm thickness, painted with 2 coats of antirust paint and 1 coat of	2.00	Pairs		\$	-
	enamel paint					
2A.8	CLASSROOM FURNITURE				\$	-
	Furniture supply, as laid out in drawings. Contractor to provide shop drawings or					
	manufactuer specifications for approval by Engineer					
2A.8.1	manufactuer specifications for approval by Enqineer Student desk and bench, Desk size 120x40cm surface, 75cm high; Bench size 120x28cm	96.00	Nr		\$	-
2A.8.1	manufactuer specifications for approval by Engineer Student desk and bench, Desk size 120x40cm surface, 75cm high; Bench size 120x28cm seating area, 50cm high					-
2A.8.1 2A.8.2	manufactuer specifications for approval by Enqineer Student desk and bench, Desk size 120x40cm surface, 75cm high; Bench size 120x28cm seating area, 50cm high Teacher's table, Desk size 150x75 cm surface, 75cm high	2.00	Nr		\$	-
2A.8.1	manufactuer specifications for approval by Engineer Student desk and bench, Desk size 120x40cm surface, 75cm high; Bench size 120x28cm seating area, 50cm high Teacher's table, Desk size 150x75 cm surface, 75cm high Teacher's chair, wood or metal					- - -
2A.8.1 2A.8.2	manufactuer specifications for approval by Enqineer Student desk and bench, Desk size 120x40cm surface, 75cm high; Bench size 120x28cm seating area, 50cm high Teacher's table, Desk size 150x75 cm surface, 75cm high	2.00	Nr	RATE (USD)	\$	- - - T (USD)
2A.8.1 2A.8.2 2A.8.3 ITEM	manufactuer specifications for approval by Engineer Student desk and bench, Desk size 120x40cm surface, 75cm high; Bench size 120x28cm seating area, 50cm high Teacher's table, Desk size 150x75 cm surface, 75cm high Teacher's chair, wood or metal BILL OF QUANTITIES (BOQ) FOR 3-CLASSROOM BLOCK SCHOOL	2.00	Nr Nr UNIT	RATE (USD)	\$ \$ AMOUN	T (USD)
2A.8.2 2A.8.3 ITEM BILL NO. 3	Manufactuer specifications for approval by Engineer  Student desk and bench, Desk size 120x40cm surface, 75cm high; Bench size 120x28cm seating area, 50cm high  Teacher's table, Desk size 150x75 cm surface, 75cm high  Teacher's chair, wood or metal  BILL OF QUANTITIES (BOQ) FOR 3-CLASSROOM BLOCK SCHOOL  BOQ CONSTRUCTION OF 3-CLASSROOM BLOCK	2.00	Nr Nr	RATE (USD)	\$ \$ AMOUN	T (USD)
2A.8.1 2A.8.2 2A.8.3 ITEM BILL NO. 3	Manufactuer specifications for approval by Engineer  Student desk and bench, Desk size 120x40cm surface, 75cm high; Bench size 120x28cm seating area, 50cm high  Teacher's table, Desk size 150x75 cm surface, 75cm high  Teacher's chair, wood or metal  BILL OF QUANTITIES (BOQ) FOR 3-CLASSROOM BLOCK SCHOOL  BOQ CONSTRUCTION OF 3-CLASSROOM BLOCK  SUBSTRUCTURE	2.00	Nr Nr UNIT	RATE (USD)	\$ \$ AMOUN	-
2A.8.1 2A.8.2 2A.8.3 ITEM BILL NO. 3	Manufactuer specifications for approval by Engineer  Student desk and bench, Desk size 120x40cm surface, 75cm high; Bench size 120x28cm seating area, 50cm high  Teacher's table, Desk size 150x75 cm surface, 75cm high  Teacher's chair, wood or metal  BILL OF QUANTITIES (BOQ) FOR 3-CLASSROOM BLOCK SCHOOL  BOQ CONSTRUCTION OF 3-CLASSROOM BLOCK  SUBSTRUCTURE  Excavation	2.00 2.00 QTY	Nr Nr UNIT	RATE (USD)	\$ \$ \$ <b>AMOUN</b> \$ \$	-
2A.8.1 2A.8.2 2A.8.3 ITEM BILL NO. 3	Manufactuer specifications for approval by Engineer  Student desk and bench, Desk size 120x40cm surface, 75cm high; Bench size 120x28cm seating area, 50cm high  Teacher's table, Desk size 150x75 cm surface, 75cm high  Teacher's chair, wood or metal  BILL OF QUANTITIES (BOQ) FOR 3-CLASSROOM BLOCK SCHOOL  BOQ CONSTRUCTION OF 3-CLASSROOM BLOCK  SUBSTRUCTURE  Excavation  Site clearance and removal of debris from site as directed	2.00	Nr Nr UNIT	RATE (USD)	\$ \$ AMOUN	-
2A.8.1 2A.8.2 2A.8.3 ITEM BILL NO. 3	Manufactuer specifications for approval by Engineer  Student desk and bench, Desk size 120x40cm surface, 75cm high; Bench size 120x28cm seating area, 50cm high  Teacher's table, Desk size 150x75 cm surface, 75cm high  Teacher's chair, wood or metal  BILL OF QUANTITIES (BOQ) FOR 3-CLASSROOM BLOCK SCHOOL  BOQ CONSTRUCTION OF 3-CLASSROOM BLOCK  SUBSTRUCTURE  Excavation  Site clearance and removal of debris from site as directed  Excavate to remove loose top soil not exceeding 0.3 meters deep and cart away as	2.00 2.00 QTY	Nr Nr UNIT	RATE (USD)	\$ \$ \$ <b>AMOUN</b> \$ \$	-
2A.8.1  2A.8.2  2A.8.3  ITEM  BILL NO. 3  3  3.1.1	Manufactuer specifications for approval by Engineer  Student desk and bench, Desk size 120x40cm surface, 75cm high; Bench size 120x28cm seating area, 50cm high  Teacher's table, Desk size 150x75 cm surface, 75cm high  Teacher's chair, wood or metal  BILL OF QUANTITIES (BOQ) FOR 3-CLASSROOM BLOCK SCHOOL  BOQ CONSTRUCTION OF 3-CLASSROOM BLOCK  SUBSTRUCTURE  Excavation  Site clearance and removal of debris from site as directed  Excavate to remove loose top soil not exceeding 0.3 meters deep and cart away as directed	2.00 2.00 QTY	Nr Nr UNIT 1	RATE (USD)	\$ \$ <b>AMOUN</b> \$ \$ \$	-
2A.8.1 2A.8.2 2A.8.3 ITEM BILL NO. 3 3 3.1.1 3.1.2	Manufactuer specifications for approval by Engineer  Student desk and bench, Desk size 120x40cm surface, 75cm high; Bench size 120x28cm seating area, 50cm high  Teacher's table, Desk size 150x75 cm surface, 75cm high  Teacher's chair, wood or metal  BILL OF QUANTITIES (BOQ) FOR 3-CLASSROOM BLOCK SCHOOL  BOQ CONSTRUCTION OF 3-CLASSROOM BLOCK  SUBSTRUCTURE  Excavation  Site clearance and removal of debris from site as directed  Excavate to remove loose top soil not exceeding 0.3 meters deep and cart away as directed  Excavate in soft material for foundation trenches not exceeding 1.8m deep	2.00 2.00 QTY 422.4 422.4	Nr Nr UNIT 1 m2 m2	RATE (USD)	\$ \$ \$ <b>AMOUN</b> \$ \$ \$ \$	-
2A.8.1  2A.8.2  2A.8.3  ITEM  BILL NO. 3  3  3.1.1  3.1.2  3.1.3	Manufactuer specifications for approval by Engineer  Student desk and bench, Desk size 120x40cm surface, 75cm high; Bench size 120x28cm seating area, 50cm high  Teacher's table, Desk size 150x75 cm surface, 75cm high  Teacher's chair, wood or metal  BILL OF QUANTITIES (BOQ) FOR 3-CLASSROOM BLOCK SCHOOL  BOQ CONSTRUCTION OF 3-CLASSROOM BLOCK  SUBSTRUCTURE  Excavation  Site clearance and removal of debris from site as directed  Excavate to remove loose top soil not exceeding 0.3 meters deep and cart away as directed  Excavate in soft material for foundation trenches not exceeding 1.8m deep starting from stripped level	2.00 2.00 QTY 422.4 422.4 38.1	Nr Nr UNIT 1 m2 m2 m3	RATE (USD)	\$ \$ <b>AMOUN</b> \$ \$ \$ \$ \$ \$ \$ \$	-
2A.8.1 2A.8.2 2A.8.3 ITEM BILL NO. 3 3 3.1.1 3.1.2	Manufactuer specifications for approval by Engineer  Student desk and bench, Desk size 120x40cm surface, 75cm high; Bench size 120x28cm seating area, 50cm high  Teacher's table, Desk size 150x75 cm surface, 75cm high  Teacher's chair, wood or metal  BILL OF QUANTITIES (BOQ) FOR 3-CLASSROOM BLOCK SCHOOL  BOQ CONSTRUCTION OF 3-CLASSROOM BLOCK  SUBSTRUCTURE  Excavation  Site clearance and removal of debris from site as directed  Excavate to remove loose top soil not exceeding 0.3 meters deep and cart away as directed  Excavate in soft material for foundation trenches not exceeding 1.8m deep starting from stripped level  Ditto: Column bases, Verandah post, splash apron and Ramp	2.00 2.00 QTY 422.4 422.4	Nr Nr UNIT 1 m2 m2	RATE (USD)	\$ \$ <b>AMOUN</b> \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	- - -
2A.8.1  2A.8.2  2A.8.3  ITEM  BILL NO. 3  3  3.1.1  3.1.2  3.1.3	Manufactuer specifications for approval by Engineer  Student desk and bench, Desk size 120x40cm surface, 75cm high; Bench size 120x28cm seating area, 50cm high  Teacher's table, Desk size 150x75 cm surface, 75cm high  Teacher's chair, wood or metal  BILL OF QUANTITIES (BOQ) FOR 3-CLASSROOM BLOCK SCHOOL  BOQ CONSTRUCTION OF 3-CLASSROOM BLOCK  SUBSTRUCTURE  Excavation  Site clearance and removal of debris from site as directed  Excavate to remove loose top soil not exceeding 0.3 meters deep and cart away as directed  Excavate in soft material for foundation trenches not exceeding 1.8m deep starting from stripped level	2.00 2.00 QTY 422.4 422.4 38.1	Nr Nr UNIT 1 m2 m2 m3	RATE (USD)	\$ \$ <b>AMOUN</b> \$ \$ \$ \$ \$ \$ \$ \$	- - -
2A.8.1 2A.8.2 2A.8.3 ITEM BILL NO. 3 3 3.1.1 3.1.2 3.1.3 3.1.4	Manufactuer specifications for approval by Engineer  Student desk and bench, Desk size 120x40cm surface, 75cm high; Bench size 120x28cm seating area, 50cm high  Teacher's table, Desk size 150x75 cm surface, 75cm high  Teacher's chair, wood or metal  BILL OF QUANTITIES (BOQ) FOR 3-CLASSROOM BLOCK SCHOOL  BOQ CONSTRUCTION OF 3-CLASSROOM BLOCK  SUBSTRUCTURE  Excavation  Site clearance and removal of debris from site as directed  Excavate to remove loose top soil not exceeding 0.3 meters deep and cart away as directed  Excavate in soft material for foundation trenches not exceeding 1.8m deep starting from stripped level  Ditto: Column bases, Verandah post, splash apron and Ramp  Backfilling	2.00 2.00 QTY 422.4 422.4 38.1 36.7	Nr Nr UNIT  1  m2 m2 m3 m3	RATE (USD)	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	- - -
2A.8.1  2A.8.2  2A.8.3  ITEM  BILL NO. 3  3  3.1.1  3.1.2  3.1.3	Manufactuer specifications for approval by Engineer  Student desk and bench, Desk size 120x40cm surface, 75cm high; Bench size 120x28cm seating area, 50cm high  Teacher's table, Desk size 150x75 cm surface, 75cm high  Teacher's chair, wood or metal  BILL OF QUANTITIES (BOQ) FOR 3-CLASSROOM BLOCK SCHOOL  BOQ CONSTRUCTION OF 3-CLASSROOM BLOCK  SUBSTRUCTURE  Excavation  Site clearance and removal of debris from site as directed  Excavate to remove loose top soil not exceeding 0.3 meters deep and cart away as directed  Excavate in soft material for foundation trenches not exceeding 1.8m deep starting from stripped level  Ditto: Column bases, Verandah post, splash apron and Ramp	2.00 2.00 QTY 422.4 422.4 38.1	Nr Nr UNIT 1 m2 m2 m3	RATE (USD)	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	-
2A.8.1  2A.8.2  2A.8.3  ITEM  BILL NO. 3  3.1.1  3.1.2  3.1.3  3.1.4  3.1.5	Manufactuer specifications for approval by Engineer  Student desk and bench, Desk size 120x40cm surface, 75cm high; Bench size 120x28cm seating area, 50cm high  Teacher's table, Desk size 150x75 cm surface, 75cm high  Teacher's chair, wood or metal  BILL OF QUANTITIES (BOQ) FOR 3-CLASSROOM BLOCK SCHOOL  BOQ CONSTRUCTION OF 3-CLASSROOM BLOCK  SUBSTRUCTURE  Excavation  Site clearance and removal of debris from site as directed  Excavate to remove loose top soil not exceeding 0.3 meters deep and cart away as directed  Excavate in soft material for foundation trenches not exceeding 1.8m deep starting from stripped level  Ditto: Column bases, Verandah post, splash apron and Ramp  Backfilling	2.00 2.00 QTY 422.4 422.4 38.1 36.7	Nr Nr UNIT  1  m2 m2 m3 m3	RATE (USD)	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	- - -
2A.8.1  2A.8.2  2A.8.3  ITEM  BILL NO. 3  3.1.1  3.1.2  3.1.3  3.1.4  3.1.5	Student desk and bench, Desk size 120x40cm surface, 75cm high; Bench size 120x28cm seating area, 50cm high Teacher's table, Desk size 150x75 cm surface, 75cm high Teacher's chair, wood or metal BILL OF QUANTITIES (BOQ) FOR 3-CLASSROOM BLOCK SCHOOL  BOQ CONSTRUCTION OF 3-CLASSROOM BLOCK SUBSTRUCTURE Excavation Site clearance and removal of debris from site as directed Excavate to remove loose top soil not exceeding 0.3 meters deep and cart away as directed Excavate in soft material for foundation trenches not exceeding 1.8m deep starting from stripped level Ditto: Column bases, Verandah post, splash apron and Ramp Backfilling  Return, fill in and ram selected excavated material around foundations and splash apron	2.00 2.00 QTY 422.4 422.4 38.1 36.7	Nr Nr UNIT  1  m2 m2 m3 m3	RATE (USD)	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	
2A.8.1 2A.8.2 2A.8.3 ITEM BILL NO. 3 3 3.1.1 3.1.2 3.1.3 3.1.4 3.1.5	Student desk and bench, Desk size 120x40cm surface, 75cm high; Bench size 120x28cm seating area, 50cm high Teacher's table, Desk size 150x75 cm surface, 75cm high Teacher's chair, wood or metal BILL OF QUANTITIES (BOQ) FOR 3-CLASSROOM BLOCK SCHOOL  BOQ CONSTRUCTION OF 3-CLASSROOM BLOCK SUBSTRUCTURE Excavation Site clearance and removal of debris from site as directed Excavate to remove loose top soil not exceeding 0.3 meters deep and cart away as directed Excavate in soft material for foundation trenches not exceeding 1.8m deep starting from stripped level Ditto: Column bases, Verandah post, splash apron and Ramp Backfilling  Return, fill in and ram selected excavated material around foundations and splash apron Disposal of Surplus spoils	2.00 2.00 QTY 422.4 422.4 38.1 36.7	Nr Nr UNIT 1 1 m2 m2 m3 m3 m3	RATE (USD)	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	-
2A.8.1  2A.8.2  2A.8.3  ITEM  BILL NO. 3  3.1.1  3.1.2  3.1.3  3.1.4  3.1.5	Student desk and bench, Desk size 120x40cm surface, 75cm high; Bench size 120x28cm seating area, 50cm high Teacher's table, Desk size 150x75 cm surface, 75cm high Teacher's chair, wood or metal BILL OF QUANTITIES (BOQ) FOR 3-CLASSROOM BLOCK SCHOOL  BOQ CONSTRUCTION OF 3-CLASSROOM BLOCK SUBSTRUCTURE Excavation Site clearance and removal of debris from site as directed Excavate to remove loose top soil not exceeding 0.3 meters deep and cart away as directed Excavate in soft material for foundation trenches not exceeding 1.8m deep starting from stripped level Ditto: Column bases, Verandah post, splash apron and Ramp Backfilling  Return, fill in and ram selected excavated material around foundations and splash apron Disposal of Surplus spoils Load and cart away surplus material from site to an approved dumping site	2.00 2.00 QTY 422.4 422.4 38.1 36.7 22.7	Nr Nr UNIT 1	RATE (USD)	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	-
2A.8.1  2A.8.2  2A.8.3  ITEM  BILL NO. 3  3.1.1  3.1.2  3.1.3  3.1.4  3.1.5	Student desk and bench, Desk size 120x40cm surface, 75cm high; Bench size 120x28cm seating area, 50cm high Teacher's table, Desk size 150x75 cm surface, 75cm high Teacher's chair, wood or metal BILL OF QUANTITIES (BOQ) FOR 3-CLASSROOM BLOCK SCHOOL  BOQ CONSTRUCTION OF 3-CLASSROOM BLOCK SUBSTRUCTURE Excavation Site clearance and removal of debris from site as directed Excavate to remove loose top soil not exceeding 0.3 meters deep and cart away as directed Excavate in soft material for foundation trenches not exceeding 1.8m deep starting from stripped level Ditto: Column bases, Verandah post, splash apron and Ramp Backfilling  Return, fill in and ram selected excavated material around foundations and splash apron Disposal of Surplus spoils Load and cart away surplus material from site to an approved dumping site Crushed stone fill 200mm thick hardcore (crushed stone) compacted in layers not exceeding 100mm deep	2.00 2.00 QTY 422.4 422.4 38.1 36.7	Nr Nr UNIT 1 1 m2 m2 m3 m3 m3	RATE (USD)	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	-
2A.8.1  2A.8.2  2A.8.3  ITEM  BILL NO. 3  3.1.1  3.1.2  3.1.3  3.1.4  3.1.5  3.1.6  3.1.7	Student desk and bench, Desk size 120x40cm surface, 75cm high; Bench size 120x28cm seating area, 50cm high Teacher's table, Desk size 150x75 cm surface, 75cm high Teacher's chair, wood or metal BILL OF QUANTITIES (BOQ) FOR 3-CLASSROOM BLOCK SCHOOL  BOQ CONSTRUCTION OF 3-CLASSROOM BLOCK SUBSTRUCTURE Excavation Site clearance and removal of debris from site as directed Excavate to remove loose top soil not exceeding 0.3 meters deep and cart away as directed Excavate in soft material for foundation trenches not exceeding 1.8m deep starting from stripped level Ditto: Column bases, Verandah post, splash apron and Ramp Backfilling  Return, fill in and ram selected excavated material around foundations and splash apron Disposal of Surplus spoils Load and cart away surplus material from site to an approved dumping site Crushed stone fill 200mm thick hardcore (crushed stone) compacted in layers not exceeding 100mm deep and well watered under slab, Verandah and ramps	2.00 2.00 QTY 422.4 422.4 38.1 36.7 22.7	Nr Nr UNIT 1	RATE (USD)	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	-
2A.8.1  2A.8.2  2A.8.3  ITEM  BILL NO. 3  3.1.1  3.1.2  3.1.3  3.1.4  3.1.5  3.1.6  3.1.7	Student desk and bench, Desk size 120x40cm surface, 75cm high; Bench size 120x28cm seating area, 50cm high Teacher's table, Desk size 150x75 cm surface, 75cm high Teacher's chair, wood or metal BILL OF QUANTITIES (BOQ) FOR 3-CLASSROOM BLOCK SCHOOL  BOQ CONSTRUCTION OF 3-CLASSROOM BLOCK SUBSTRUCTURE Excavation Site clearance and removal of debris from site as directed Excavate to remove loose top soil not exceeding 0.3 meters deep and cart away as directed Excavate in soft material for foundation trenches not exceeding 1.8m deep starting from stripped level Ditto: Column bases, Verandah post, splash apron and Ramp Backfilling  Return, fill in and ram selected excavated material around foundations and splash apron Disposal of Surplus spoils Load and cart away surplus material from site to an approved dumping site Crushed stone fill 200mm thick hardcore (crushed stone) compacted in layers not exceeding 100mm deep and well watered under slab, Verandah and ramps Imported/selected filling/material	2.00 2.00 QTY 422.4 422.4 38.1 36.7 22.7	Nr Nr UNIT 1 1	RATE (USD)	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	- - - - - - - -
2A.8.1  2A.8.2  2A.8.3  ITEM  BILL NO. 3  3.1.1  3.1.2  3.1.3  3.1.4  3.1.5  3.1.6  3.1.7	Student desk and bench, Desk size 120x40cm surface, 75cm high; Bench size 120x28cm seating area, 50cm high Teacher's table, Desk size 150x75 cm surface, 75cm high Teacher's chair, wood or metal BILL OF QUANTITIES (BOQ) FOR 3-CLASSROOM BLOCK SCHOOL  BOQ CONSTRUCTION OF 3-CLASSROOM BLOCK SUBSTRUCTURE Excavation Site clearance and removal of debris from site as directed Excavate to remove loose top soil not exceeding 0.3 meters deep and cart away as directed Excavate in soft material for foundation trenches not exceeding 1.8m deep starting from stripped level Ditto: Column bases, Verandah post, splash apron and Ramp Backfilling  Return, fill in and ram selected excavated material around foundations and splash apron Disposal of Surplus spoils Load and cart away surplus material from site to an approved dumping site Crushed stone fill 200mm thick hardcore (crushed stone) compacted in layers not exceeding 100mm deep and well watered under slab, Verandah and ramps Imported/selected filling/material min 500mm thick compacted selected fill to grade	2.00 2.00 QTY 422.4 422.4 38.1 36.7 22.7 33.8 45.3	Nr Nr UNIT 1 1	RATE (USD)	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	-
2A.8.1  2A.8.2  2A.8.3  ITEM  BILL NO. 3  3.1.1  3.1.2  3.1.3  3.1.4  3.1.5  3.1.6  3.1.7	Student desk and bench, Desk size 120x40cm surface, 75cm high; Bench size 120x28cm seating area, 50cm high Teacher's table, Desk size 150x75 cm surface, 75cm high Teacher's chair, wood or metal BILL OF QUANTITIES (BOQ) FOR 3-CLASSROOM BLOCK SCHOOL  BOQ CONSTRUCTION OF 3-CLASSROOM BLOCK SUBSTRUCTURE Excavation Site clearance and removal of debris from site as directed Excavate to remove loose top soil not exceeding 0.3 meters deep and cart away as directed Excavate in soft material for foundation trenches not exceeding 1.8m deep starting from stripped level Ditto: Column bases, Verandah post, splash apron and Ramp Backfilling  Return, fill in and ram selected excavated material around foundations and splash apron Disposal of Surplus spoils Load and cart away surplus material from site to an approved dumping site Crushed stone fill 200mm thick hardcore (crushed stone) compacted in layers not exceeding 100mm deep and well watered under slab, Verandah and ramps Imported/selected filling/material min 500mm thick compacted selected fill to grade Ditto to ramps	2.00 2.00 QTY 422.4 422.4 38.1 36.7 22.7 33.8 45.3	Mr Nr Nr UNIT 1	RATE (USD)	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	-
2A.8.1  2A.8.2  2A.8.3  ITEM  BILL NO. 3  3.1.1  3.1.2  3.1.3  3.1.4  3.1.5  3.1.6  3.1.7	Manufactuer specifications for approval by Engineer  Student desk and bench, Desk size 120x40cm surface, 75cm high; Bench size 120x28cm seating area, 50cm high  Teacher's table, Desk size 150x75 cm surface, 75cm high  Teacher's chair, wood or metal  BILL OF QUANTITIES (BOQ) FOR 3-CLASSROOM BLOCK SCHOOL  BOQ CONSTRUCTION OF 3-CLASSROOM BLOCK  SUBSTRUCTURE  Excavation  Site clearance and removal of debris from site as directed  Excavate to remove loose top soil not exceeding 0.3 meters deep and cart away as directed  Excavate in soft material for foundation trenches not exceeding 1.8m deep starting from stripped level  Ditto: Column bases, Verandah post, splash apron and Ramp  Backfilling  Return, fill in and ram selected excavated material around foundations and splash apron  Disposal of Surplus spoils  Load and cart away surplus material from site to an approved dumping site  Crushed stone fill  200mm thick hardcore (crushed stone) compacted in layers not exceeding 100mm deep and well watered under slab, Verandah and ramps  Imported/selected filling/material  min 500mm thick compacted selected fill to grade  Ditto to ramps  Ditto to Splash apron	2.00 2.00 QTY 422.4 422.4 38.1 36.7 22.7 33.8 45.3	Nr Nr UNIT 1 1	RATE (USD)	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	-
2A.8.1  2A.8.2  2A.8.3  ITEM  BILL NO. 3  3.1.1  3.1.2  3.1.3  3.1.4  3.1.5  3.1.6  3.1.7	Manufactuer specifications for approval by Engineer  Student desk and bench, Desk size 120x40cm surface, 75cm high; Bench size 120x28cm seating area, 50cm high  Teacher's table, Desk size 150x75 cm surface, 75cm high  Teacher's chair, wood or metal  BILL OF QUANTITIES (BOQ) FOR 3-CLASSROOM BLOCK SCHOOL  BOQ CONSTRUCTION OF 3-CLASSROOM BLOCK  SUBSTRUCTURE  Excavation  Site clearance and removal of debris from site as directed  Excavate to remove loose top soil not exceeding 0.3 meters deep and cart away as directed  Excavate in soft material for foundation trenches not exceeding 1.8m deep starting from stripped level  Ditto: Column bases, Verandah post, splash apron and Ramp  Backfilling  Return, fill in and ram selected excavated material around foundations and splash apron  Disposal of Surplus spoils  Load and cart away surplus material from site to an approved dumping site  Crushed stone fill  200mm thick hardcore (crushed stone) compacted in layers not exceeding 100mm deep and well watered under slab, Verandah and ramps  Imported/selected filling/material  min 500mm thick compacted selected fill to grade  Ditto to ramps  Ditto to Splash apron  Anti-termite treatment	2.00 2.00 QTY 422.4 422.4 38.1 36.7 22.7 33.8 45.3	Mr Nr Nr UNIT 1	RATE (USD)	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	-
2A.8.1 2A.8.2 2A.8.3 ITEM BILL NO. 3 3 3.1.1 3.1.2 3.1.3 3.1.4 3.1.5 3.1.6 3.1.7 3.1.8 3.1.9 3.1.10	Manufactuer specifications for approval by Engineer  Student desk and bench, Desk size 120x40cm surface, 75cm high; Bench size 120x28cm seating area, 50cm high  Teacher's table, Desk size 150x75 cm surface, 75cm high  Teacher's chair, wood or metal  BILL OF QUANTITIES (BOQ) FOR 3-CLASSROOM BLOCK SCHOOL  BOQ CONSTRUCTION OF 3-CLASSROOM BLOCK  SUBSTRUCTURE  Excavation  Site clearance and removal of debris from site as directed  Excavate to remove loose top soil not exceeding 0.3 meters deep and cart away as directed  Excavate in soft material for foundation trenches not exceeding 1.8m deep starting from stripped level  Ditto: Column bases, Verandah post, splash apron and Ramp  Backfilling  Return, fill in and ram selected excavated material around foundations and splash apron  Disposal of Surplus spoils  Load and cart away surplus material from site to an approved dumping site  Crushed stone fill  200mm thick hardcore (crushed stone) compacted in layers not exceeding 100mm deep and well watered under slab, Verandah and ramps  Imported/selected filling/material  min 500mm thick compacted selected fill to grade  Ditto to Splash apron  Anti-termite treatment  TERMIDOR' or other equal and approved insecticide with a ten-years guarantee to	2.00 2.00 QTY 422.4 422.4 38.1 36.7 22.7 33.8 45.3	Mr Nr Nr UNIT 1 1	RATE (USD)	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	- - - - - - - - -
2A.8.1 2A.8.2 2A.8.3 ITEM BILL NO. 3 3 3.1.1 3.1.2 3.1.3 3.1.4 3.1.5 3.1.6 3.1.7 3.1.8 3.1.9 3.1.10 3.1.11	Student desk and bench, Desk size 120x40cm surface, 75cm high; Bench size 120x28cm seating area, 50cm high Teacher's table, Desk size 150x75 cm surface, 75cm high Teacher's chair, wood or metal BILL OF QUANTITIES (BOQ) FOR 3-CLASSROOM BLOCK SCHOOL  BOQ CONSTRUCTION OF 3-CLASSROOM BLOCK SUBSTRUCTURE Excavation Site clearance and removal of debris from site as directed Excavate to remove loose top soil not exceeding 0.3 meters deep and cart away as directed Excavate in soft material for foundation trenches not exceeding 1.8m deep starting from stripped level Ditto: Column bases, Verandah post, splash apron and Ramp Backfilling  Return, fill in and ram selected excavated material around foundations and splash apron Disposal of Surplus spoils Load and cart away surplus material from site to an approved dumping site Crushed stone fill 200mm thick hardcore (crushed stone) compacted in layers not exceeding 100mm deep and well watered under slab, Verandah and ramps Imported/selected filling/material min 500mm thick compacted selected fill to grade Ditto to ramps Ditto to Splash apron Anti-termite treatment TERMIDOR' or other equal and approved insecticide with a ten-years guarantee to surfaces of fill and tops of foundations	2.00 2.00 QTY 422.4 422.4 38.1 36.7 22.7 33.8 45.3	Mr Nr Nr UNIT 1	RATE (USD)	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	- - - - - - - - -
2A.8.1  2A.8.2  2A.8.3  ITEM  BILL NO. 3  3.1.1  3.1.2  3.1.3  3.1.4  3.1.5  3.1.6  3.1.7  3.1.8  3.1.9  3.1.10  3.1.11  3.1.12	Student desk and bench, Desk size 120x40cm surface, 75cm high; Bench size 120x28cm seating area, 50cm high Teacher's table, Desk size 150x75 cm surface, 75cm high Teacher's chair, wood or metal BILL OF QUANTITIES (BOQ) FOR 3-CLASSROOM BLOCK SCHOOL  BOQ CONSTRUCTION OF 3-CLASSROOM BLOCK SUBSTRUCTURE Excavation Site clearance and removal of debris from site as directed Excavate to remove loose top soil not exceeding 0.3 meters deep and cart away as directed Excavate in soft material for foundation trenches not exceeding 1.8m deep starting from stripped level Ditto: Column bases, Verandah post, splash apron and Ramp Backfilling  Return, fill in and ram selected excavated material around foundations and splash apron Disposal of Surplus spoils Load and cart away surplus material from site to an approved dumping site Crushed stone fill 200mm thick hardcore (crushed stone) compacted in layers not exceeding 100mm deep and well watered under slab, Verandah and ramps Imported/selected filling/material min 500mm thick compacted selected fill to grade Ditto to ramps Ditto to Splash apron Anti-termite treatment TERMIDOR' or other equal and approved insecticide with a ten-years guarantee to surfaces of fill and tops of foundations Ditto to ramps	2.00 2.00 QTY 422.4 422.4 38.1 36.7 22.7 33.8 45.3	Mr Nr Nr UNIT 1 1	RATE (USD)	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	
2A.8.1  2A.8.2  2A.8.3  ITEM  BILL NO. 3  3.1.1  3.1.2  3.1.3  3.1.4  3.1.5  3.1.6  3.1.7  3.1.8  3.1.9  3.1.10  3.1.11  3.1.12	Student desk and bench, Desk size 120x40cm surface, 75cm high; Bench size 120x28cm seating area, 50cm high Teacher's table, Desk size 150x75 cm surface, 75cm high Teacher's chair, wood or metal BILL OF QUANTITIES (BOQ) FOR 3-CLASSROOM BLOCK SCHOOL  BOQ CONSTRUCTION OF 3-CLASSROOM BLOCK SUBSTRUCTURE Excavation Site clearance and removal of debris from site as directed Excavate to remove loose top soil not exceeding 0.3 meters deep and cart away as directed Excavate in soft material for foundation trenches not exceeding 1.8m deep starting from stripped level Ditto: Column bases, Verandah post, splash apron and Ramp Backfilling  Return, fill in and ram selected excavated material around foundations and splash apron Disposal of Surplus spoils Load and cart away surplus material from site to an approved dumping site Crushed stone fill 200mm thick hardcore (crushed stone) compacted in layers not exceeding 100mm deep and well watered under slab, Verandah and ramps Imported/selected filling/material min 500mm thick compacted selected fill to grade Ditto to ramps Ditto to Splash apron Anti-termite treatment TERMIDOR' or other equal and approved insecticide with a ten-years guarantee to surfaces of fill and tops of foundations	2.00 2.00 QTY 422.4 422.4 38.1 36.7 22.7 33.8 45.3	Nr Nr Nr UNIT 1 1	RATE (USD)	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	
2A.8.1  2A.8.2  2A.8.3  ITEM  BILL NO. 3  3.1.1  3.1.2  3.1.3  3.1.4  3.1.5  3.1.6  3.1.7  3.1.8  3.1.9  3.1.10  3.1.11  3.1.12	Student desk and bench, Desk size 120x40cm surface, 75cm high; Bench size 120x28cm seating area, 50cm high Teacher's table, Desk size 150x75 cm surface, 75cm high Teacher's chair, wood or metal BILL OF QUANTITIES (BOQ) FOR 3-CLASSROOM BLOCK SCHOOL  BOQ CONSTRUCTION OF 3-CLASSROOM BLOCK SUBSTRUCTURE Excavation Site clearance and removal of debris from site as directed Excavate to remove loose top soil not exceeding 0.3 meters deep and cart away as directed Excavate in soft material for foundation trenches not exceeding 1.8m deep starting from stripped level Ditto: Column bases, Verandah post, splash apron and Ramp Backfilling  Return, fill in and ram selected excavated material around foundations and splash apron Disposal of Surplus spoils Load and cart away surplus material from site to an approved dumping site Crushed stone fill 200mm thick hardcore (crushed stone) compacted in layers not exceeding 100mm deep and well watered under slab, Verandah and ramps Imported/selected filling/material min 500mm thick compacted selected fill to grade Ditto to ramps Ditto to Splash apron Anti-termite treatment TERMIDOR' or other equal and approved insecticide with a ten-years guarantee to surfaces of fill and tops of foundations Ditto to ramps	2.00 2.00 QTY 422.4 422.4 38.1 36.7 22.7 33.8 45.3	Nr Nr Nr UNIT 1 1	RATE (USD)	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	
2A.8.1  2A.8.2  2A.8.3  ITEM  BILL NO. 3  3.1.1  3.1.2  3.1.3  3.1.4  3.1.5  3.1.6  3.1.7  3.1.8  3.1.9  3.1.10  3.1.11  3.1.12	Manufactuer specifications for approval by Engineer  Student desk and bench, Desk size 120x40cm surface, 75cm high; Bench size 120x28cm seating area, 50cm high  Teacher's table, Desk size 150x75 cm surface, 75cm high  Teacher's chair, wood or metal  BILL OF QUANTITIES (BOQ) FOR 3-CLASSROOM BLOCK SCHOOL  BOQ CONSTRUCTION OF 3-CLASSROOM BLOCK  SUBSTRUCTURE  Excavation  Site clearance and removal of debris from site as directed  Excavate to remove loose top soil not exceeding 0.3 meters deep and cart away as directed  Excavate in soft material for foundation trenches not exceeding 1.8m deep starting from stripped level  Ditto: Column bases, Verandah post, splash apron and Ramp  Backfilling  Return, fill in and ram selected excavated material around foundations and splash apron  Disposal of Surplus spoils  Load and cart away surplus material from site to an approved dumping site  Crushed stone fill  200mm thick hardcore (crushed stone) compacted in layers not exceeding 100mm deep and well watered under slab, Verandah and ramps  Imported/selected filling/material  min 500mm thick compacted selected fill to grade  Ditto to ramps  Ditto to Splash apron  Anti-termite treatment  TERMIDOR' or other equal and approved insecticide with a ten-years guarantee to surfaces of fill and tops of foundations  Ditto to ramps  Damp Proofing	2.00 2.00 QTY 422.4 422.4 38.1 36.7 22.7 33.8 45.3	Nr Nr Nr UNIT 1 1	RATE (USD)	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	
2A.8.1  2A.8.2  2A.8.3  ITEM  BILL NO. 3  3.1.1  3.1.2  3.1.3  3.1.4  3.1.5  3.1.6  3.1.7  3.1.8  3.1.9  3.1.10  3.1.11  3.1.12	Transplacture specifications for approval by Engineer  Student desk and bench, Desk size 120x40cm surface, 75cm high; Bench size 120x28cm seating area, 50cm high  Teacher's table, Desk size 150x75 cm surface, 75cm high  Teacher's table, Desk size 150x75 cm surface, 75cm high  Teacher's chair, wood or metal  BILL OF QUANTITIES (BOQ) FOR 3-CLASSROOM BLOCK SCHOOL  BOQ CONSTRUCTION OF 3-CLASSROOM BLOCK  SUBSTRUCTURE  Excavation  Site clearance and removal of debris from site as directed  Excavate to remove loose top soil not exceeding 0.3 meters deep and cart away as directed  Excavate in soft material for foundation trenches not exceeding 1.8m deep starting from stripped level  Ditto: Column bases, Verandah post, splash apron and Ramp  Backfilling  Return, fill in and ram selected excavated material around foundations and splash apron  Disposal of Surplus spoils  Load and cart away surplus material from site to an approved dumping site  Crushed stone fill  200mm thick hardcore (crushed stone) compacted in layers not exceeding 100mm deep and well watered under slab, Verandah and ramps  Imported/selected filling/material  min 500mm thick compacted selected fill to grade  Ditto to ramps  Ditto to Splash apron  Anti-termite treatment  TERMIDOR' or other equal and approved insecticide with a ten-years guarantee to surfaces of fill and tops of foundations  Ditto to ramps  Damp Proofing  1000 gauge polythene sheet damp proof membrane: to floors: laid on blinded smooth	2.00 2.00 QTY 422.4 422.4 422.4 38.1 36.7 22.7 33.8 45.3 106.1 7.2 14.4	Nr Nr Nr UNIT 1 1	RATE (USD)	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	
2A.8.1  2A.8.2  2A.8.3  ITEM  BILL NO. 3  3.1.1  3.1.2  3.1.3  3.1.4  3.1.5  3.1.6  3.1.7  3.1.8  3.1.9  3.1.10  3.1.11  3.1.12  3.1.13	Transport of the second part of	2.00 2.00 QTY 422.4 422.4 422.4 38.1 36.7 22.7 33.8 45.3 106.1 7.2 14.4 305.3 28.8	Mr Nr Nr UNIT 1 1	RATE (USD)	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	
2A.8.1  2A.8.2  2A.8.3  ITEM  BILL NO. 3  3.1.1  3.1.2  3.1.3  3.1.4  3.1.5  3.1.6  3.1.7  3.1.8  3.1.9  3.1.10  3.1.11  3.1.12  3.1.13  3.1.14	manufactuer specifications for approval by Enqineer  Student desk and bench, Desk size 120x40cm surface, 75cm high; Bench size 120x28cm seating area, 50cm high  Teacher's table, Desk size 150x75 cm surface, 75cm high  Teacher's chair, wood or metal  BILL OF QUANTITIES (BOQ) FOR 3-CLASSROOM BLOCK SCHOOL  BOQ CONSTRUCTION OF 3-CLASSROOM BLOCK  SUBSTRUCTION  Site clearance and removal of debris from site as directed  Excavation  Site clearance and removal of debris from site as directed  Excavate to remove loose top soil not exceeding 0.3 meters deep and cart away as directed  Excavate in soft material for foundation trenches not exceeding 1.8m deep starting from stripped level  Ditto: Column bases, Verandah post, splash apron and Ramp  Backfilling  Return, fill in and ram selected excavated material around foundations and splash apron  Disposal of Surplus spoils  Load and cart away surplus material from site to an approved dumping site  Crushed stone fill  200mm thick hardcore (crushed stone) compacted in layers not exceeding 100mm deep and well watered under slab, Verandah and ramps  Imported/selected filling/material  min 500mm thick compacted selected fill to grade  Ditto to ramps  Ditto to Splash apron  Anti-termite treatment  TERMIDOR' or other equal and approved insecticide with a ten-years guarantee to surfaces of fill and tops of foundations  Ditto to ramps  Damp Proofing  1000 gauge polythene sheet damp proof membrane: to floors: laid on blinded smooth finished hardcore bed with 300mm side and end laps to receive concrete floor bed (m/s)-	2.00 2.00 QTY 422.4 422.4 422.4 38.1 36.7 22.7 33.8 45.3 106.1 7.2 14.4	Nr Nr Nr UNIT 1 1	RATE (USD)	\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	

3.1.15	50mm Thick surface blinding under foundations	2.0	m3		\$	-
3.1.16	Ditto: Under column bases, Ramp and verandah post	1.2	m3		\$	-
<b></b>	In Situ concrete class 25, vibrated and reinforced as described, in:-				\$	-
3.1.17	Strip Footing	15.9	m3		\$	-
3.1.18	Column bases and Verandah post	6.1	m3		\$	-
3.1.19	Columns in foundations	1.7	m3		\$	-
3.1.20	Ground beam (300x200)mm	4.7	m3		\$	-
0.4.04	Ramp	2.9	m3		\$	-
3.1.21	100mm thick ground floor slab (classrooms & Verandah) C-25 concrete	22.3	m3		\$	-
3.1.22	600mm wide stone chipping aggregates Splash Apron1:4 cement Sand ratio	5.7	m3		\$	-
	Reinforcement High tensile steel reinforcement to B.S. 4461 in structural concrete work including				\$	-
1	1 ~				\$	-
2 1 22	cutting, bending, hoisting, fixing, tying wire and spacing blocks	222.0	ka		¢	
3.1.23 3.1.24	8mm diameter bars 10mm diameter bars	223.8 2216.0	kg	-	\$ \$	-
3.1.25	12mm diameter bars	615.3	kg		\$ \$	-
3.1.23	Mesh reinforcement; B.S. 4483 weighing 3.22 kgs per square meter including bends,	013.3	kg		Ψ	-
1	tying wire and spacing blocks				\$	-
3.1.26	Ditto to ramps	19.2	m2		\$	_
3.1.20	Sawn formwork to:	13.2	1112		\$ \$	
3.1.27	Vertical sides of ground beam	66.0	m2		\$ \$	
3.1.28	Vertical sides of columns	35.0	m2		\$ \$	_
3.1.29	Edges of 100mm high ground floor slab	14.9	m2		\$	
3.1.30	Edges of 150mm high ramps	4.8	m2		\$ \$	
3.1.30	Foundation walling	4.0	1112		\$ \$	
	Solid concrete block walling (mix 1:3:6); with minimum comprehensive strength of				Ψ	_
1	7.0N/mm2;bedded and jointed in cement sand (1:3) mortar; reinforced with gauge 20				\$	_
1	hoop iron after every alternate course.				Ψ	
3.1.31	200mm thick walls	79.4	m2		\$	_
3.1.31	Plinths	75.4	1112		\$ \$	_
3.1.32	12 mm thick cement : sand (1:3) plaster to plinth	79.4	m2		\$	_
0.1.02	Prepare and apply one priming coat and two coats of black bitumastick paint on	75.4	1112		•	
3.1.33	rendered plinths	79.4	m2		\$	-
3.2	STRUCTURAL FRAME				\$	-
	Concrete work in superstructure- In Situ concrete class 25, vibrated and				т	
ļ						
	· · · · · · · · · · · · · · · · · · ·					
3.3.1	reinforced as described, in:-	2.1	m3		\$	-
3.3.1 3.3.2	reinforced as described, in:- Column (200x200)	2.1	m3 m3		\$	-
3.3.1 3.3.2	reinforced as described, in:-				\$	-
	reinforced as described, in:- Column (200x200) Ring beam					-
	reinforced as described, in:- Column (200x200) Ring beam High tensile steel reinforcement to B.S. 4461 in structural concrete work including				\$	-
3.3.2	reinforced as described, in:-  Column (200x200)  Ring beam  High tensile steel reinforcement to B.S. 4461 in structural concrete work including cutting, bending, hoisting, fixing, tying wire and spacing blocks	3.2	m3		\$	- - -
3.3.2	reinforced as described, in:-  Column (200x200)  Ring beam  High tensile steel reinforcement to B.S. 4461 in structural concrete work including cutting, bending, hoisting, fixing, tying wire and spacing blocks  8mm diameter bars	3.2	m3		\$ \$ \$	
3.3.2	reinforced as described, in:-  Column (200x200)  Ring beam  High tensile steel reinforcement to B.S. 4461 in structural concrete work including cutting, bending, hoisting, fixing, tying wire and spacing blocks  8mm diameter bars  12mm diameter bars	3.2	m3		\$ \$ \$	-
3.3.2 3.3.3 3.3.4	reinforced as described, in:-  Column (200x200)  Ring beam  High tensile steel reinforcement to B.S. 4461 in structural concrete work including cutting, bending, hoisting, fixing, tying wire and spacing blocks  8mm diameter bars  12mm diameter bars  RHS section steel column Supporting the roof at the Verendah	3.2 208.4 711.4	m3 kg kg		\$ \$ \$ \$	-
3.3.2 3.3.3 3.3.4	reinforced as described, in:-  Column (200x200)  Ring beam  High tensile steel reinforcement to B.S. 4461 in structural concrete work including cutting, bending, hoisting, fixing, tying wire and spacing blocks  8mm diameter bars  12mm diameter bars  RHS section steel column Supporting the roof at the Verendah  RHS100x3mm Steel columns supporting roof at the verendah	3.2 208.4 711.4	m3 kg kg		\$ \$ \$ \$ \$	
3.3.2 3.3.3 3.3.4 3.3.5	reinforced as described, in:-  Column (200x200)  Ring beam  High tensile steel reinforcement to B.S. 4461 in structural concrete work including cutting, bending, hoisting, fixing, tying wire and spacing blocks  8mm diameter bars  12mm diameter bars  RHS section steel column Supporting the roof at the Verendah  RHS100x3mm Steel columns supporting roof at the verendah  Sawn formwork  Vertical sides of Columns  Ring beam	3.2 208.4 711.4 7.0	m3 kg kg		\$ \$ \$ \$ \$ \$	
3.3.2 3.3.3 3.3.4 3.3.5 3.3.6	reinforced as described, in:-  Column (200x200)  Ring beam  High tensile steel reinforcement to B.S. 4461 in structural concrete work including cutting, bending, hoisting, fixing, tying wire and spacing blocks  8mm diameter bars  12mm diameter bars  RHS section steel column Supporting the roof at the Verendah  RHS100x3mm Steel columns supporting roof at the verendah  Sawn formwork  Vertical sides of Columns	3.2 208.4 711.4 7.0	kg kg No		\$ \$ \$ \$ \$ \$ \$	
3.3.2 3.3.3 3.3.4 3.3.5 3.3.6	reinforced as described, in:-  Column (200x200)  Ring beam  High tensile steel reinforcement to B.S. 4461 in structural concrete work including cutting, bending, hoisting, fixing, tying wire and spacing blocks  8mm diameter bars  12mm diameter bars  RHS section steel column Supporting the roof at the Verendah  RHS100x3mm Steel columns supporting roof at the verendah  Sawn formwork  Vertical sides of Columns  Ring beam	3.2 208.4 711.4 7.0	kg kg No		\$ \$ \$ \$ \$ \$ \$ \$ \$ \$	
3.3.2 3.3.3 3.3.4 3.3.5 3.3.6	reinforced as described, in:-  Column (200x200)  Ring beam  High tensile steel reinforcement to B.S. 4461 in structural concrete work including cutting, bending, hoisting, fixing, tying wire and spacing blocks  8mm diameter bars  12mm diameter bars  RHS section steel column Supporting the roof at the Verendah RHS100x3mm Steel columns supporting roof at the verendah  Sawn formwork  Vertical sides of Columns  Ring beam  WALLING  Damp proof Course  Three-ply bituminous felt damp proof course bedded in cement and sand (1:3) mortar	3.2 208.4 711.4 7.0	kg kg No		\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	
3.3.2 3.3.3 3.3.4 3.3.5 3.3.6	reinforced as described, in:-  Column (200x200)  Ring beam  High tensile steel reinforcement to B.S. 4461 in structural concrete work including cutting, bending, hoisting, fixing, tying wire and spacing blocks  8mm diameter bars  12mm diameter bars  RHS section steel column Supporting the roof at the Verendah  RHS100x3mm Steel columns supporting roof at the verendah  Sawn formwork  Vertical sides of Columns  Ring beam  WALLING  Damp proof Course  Three- ply bituminous felt damp proof course bedded in cement and sand (1:3) mortar [measured nett allow for 300mm laps):-	3.2 208.4 711.4 7.0	kg kg No		\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	
3.3.2 3.3.3 3.3.4 3.3.5 3.3.6	reinforced as described, in:-  Column (200x200)  Ring beam  High tensile steel reinforcement to B.S. 4461 in structural concrete work including cutting, bending, hoisting, fixing, tying wire and spacing blocks  8mm diameter bars  12mm diameter bars  RHS section steel column Supporting the roof at the Verendah  RHS100x3mm Steel columns supporting roof at the verendah  Sawn formwork  Vertical sides of Columns  Ring beam  WALLING  Damp proof Course  Three-ply bituminous felt damp proof course bedded in cement and sand (1:3) mortar (measured nett allow for 300mm laps):-  200mm wide	3.2 208.4 711.4 7.0	kg kg No		\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	
3.3.2 3.3.3 3.3.4 3.3.5 3.3.6 3.3.7	reinforced as described, in:-  Column (200x200)  Ring beam  High tensile steel reinforcement to B.S. 4461 in structural concrete work including cutting, bending, hoisting, fixing, tying wire and spacing blocks  8mm diameter bars  12mm diameter bars  RHS section steel column Supporting the roof at the Verendah  RHS100x3mm Steel columns supporting roof at the verendah  Sawn formwork  Vertical sides of Columns  Ring beam  WALLING  Damp proof Course  Three- ply bituminous felt damp proof course bedded in cement and sand (1:3) mortar (measured nett allow for 300mm laps):-  200mm wide  Walling	3.2 208.4 711.4 7.0 47.2 47.3	kg kg No m2 m2		\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	
3.3.2 3.3.3 3.3.4 3.3.5 3.3.6 3.3.7	reinforced as described, in:-  Column (200x200)  Ring beam  High tensile steel reinforcement to B.S. 4461 in structural concrete work including cutting, bending, hoisting, fixing, tying wire and spacing blocks  8mm diameter bars  12mm diameter bars  RHS section steel column Supporting the roof at the Verendah  RHS100x3mm Steel columns supporting roof at the verendah  Sawn formwork  Vertical sides of Columns  Ring beam  WALLING  Damp proof Course  Three-ply bituminous felt damp proof course bedded in cement and sand (1:3) mortar (measured nett allow for 300mm laps):-  200mm wide	3.2 208.4 711.4 7.0 47.2 47.3	kg kg No m2 m2		\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	
3.3.2 3.3.3 3.3.4 3.3.5 3.3.6 3.3.7	reinforced as described, in:- Column (200x200) Ring beam High tensile steel reinforcement to B.S. 4461 in structural concrete work including cutting, bending, hoisting, fixing, tying wire and spacing blocks  8mm diameter bars 12mm diameter bars RHS section steel column Supporting the roof at the Verendah RHS100x3mm Steel columns supporting roof at the verendah Sawn formwork Vertical sides of Columns Ring beam WALLING Damp proof Course Three-ply bituminous felt damp proof course bedded in cement and sand (1:3) mortar (measured nett allow for 300mm laps):- 200mm wide Walling Solid blocks 200mm thick	3.2 208.4 711.4 7.0 47.2 47.3 76.4	m3 kg kg No m2 m2		\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	
3.3.2 3.3.3 3.3.4 3.3.5 3.3.6 3.3.7 3.3.8 3.3.8	reinforced as described, in:- Column (200x200) Ring beam High tensile steel reinforcement to B.S. 4461 in structural concrete work including cutting, bending, hoisting, fixing, tying wire and spacing blocks 8mm diameter bars 12mm diameter bars 12mm diameter bars RHS section steel column Supporting the roof at the Verendah RHS100x3mm Steel columns supporting roof at the verendah Sawn formwork Vertical sides of Columns Ring beam WALLING Damp proof Course Three- ply bituminous felt damp proof course bedded in cement and sand (1:3) mortar (measured nett allow for 300mm laps):- 200mm wide Walling Solid blocks 200mm thick	3.2 208.4 711.4 7.0 47.2 47.3	kg kg No m2 m2		\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	
3.3.2 3.3.3 3.3.4 3.3.5 3.3.6 3.3.7	reinforced as described, in:-  Column (200x200)  Ring beam  High tensile steel reinforcement to B.S. 4461 in structural concrete work including cutting, bending, hoisting, fixing, tying wire and spacing blocks  8mm diameter bars  12mm diameter bars  RHS section steel column Supporting the roof at the Verendah  RHS100x3mm Steel columns supporting roof at the verendah  Sawn formwork  Vertical sides of Columns  Ring beam  WALLING  Damp proof Course  Three- ply bituminous felt damp proof course bedded in cement and sand (1:3) mortar (measured nett allow for 300mm laps):-  200mm wide  Walling  Solid blocks 200mm thick  200mm thick walls reinforced with two lines of hoop iron after every three courses  50mm Concrete Window cill	3.2 208.4 711.4 7.0 47.2 47.3 76.4	m3 kg kg No m2 m2		\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	
3.3.2 3.3.3 3.3.4 3.3.5 3.3.6 3.3.7 3.3.8 3.3.8 3.3.9 3.3.10	reinforced as described, in:- Column (200x200) Ring beam High tensile steel reinforcement to B.S. 4461 in structural concrete work including cutting, bending, hoisting, fixing, tying wire and spacing blocks 8mm diameter bars 12mm diameter bars 12mm diameter bars RHS section steel column Supporting the roof at the Verendah RHS100x3mm Steel columns supporting roof at the verendah Sawn formwork Vertical sides of Columns Ring beam WALLING Damp proof Course Three- ply bituminous felt damp proof course bedded in cement and sand (1:3) mortar (measured nett allow for 300mm laps):- 200mm wide Walling Solid blocks 200mm thick	3.2 208.4 711.4 7.0 47.2 47.3 76.4 141.9 15.6	m3 kg kg No m2 m2 m m		\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	
3.3.2 3.3.3 3.3.4 3.3.5 3.3.6 3.3.7 3.3.8 3.3.8	reinforced as described, in:-  Column (200x200)  Ring beam  High tensile steel reinforcement to B.S. 4461 in structural concrete work including cutting, bending, hoisting, fixing, tying wire and spacing blocks  8mm diameter bars  12mm diameter bars  12mm diameter bars  RHS section steel column Supporting the roof at the Verendah  RHS100x3mm Steel columns supporting roof at the verendah  Sawn formwork  Vertical sides of Columns  Ring beam  WALLING  Damp proof Course  Three- ply bituminous felt damp proof course bedded in cement and sand (1:3) mortar (measured nett allow for 300mm laps):-  200mm wide  Walling  Solid blocks 200mm thick  200mm thick walls reinforced with two lines of hoop iron after every three courses  50mm Concrete Window cill  20 SWG Hoop Iron wall tie 25mm wide x 450mm long cast 75mm into concrete and built into joint of block walling.	3.2 208.4 711.4 7.0 47.2 47.3 76.4	m3 kg kg No m2 m2 m2		\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	
3.3.2 3.3.3 3.3.4 3.3.5 3.3.6 3.3.7 3.3.8 3.3.9 3.3.10 3.3.11 3.3.12	reinforced as described, in:- Column (200x200) Ring beam High tensile steel reinforcement to B.S. 4461 in structural concrete work including cutting, bending, hoisting, fixing, tying wire and spacing blocks 8mm diameter bars 12mm diameter bars 12mm diameter bars RHS section steel column Supporting the roof at the Verendah RHS100x3mm Steel columns supporting roof at the verendah Sawn formwork Vertical sides of Columns Ring beam WALLING Damp proof Course Three- ply bituminous felt damp proof course bedded in cement and sand (1:3) mortar (measured nett allow for 300mm laps):- 200mm wide Walling Solid blocks 200mm thick  200mm thick walls reinforced with two lines of hoop iron after every three courses 50mm Concrete Window cill 20 SWG Hoop Iron wall tie 25mm wide x 450mm long cast 75mm into concrete and built into joint of block walling. Gable end with vent 600mm Ø	3.2 208.4 711.4 7.0 47.2 47.3 76.4 141.9 15.6	m3 kg kg No m2 m2 m m		\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	
3.3.2 3.3.3 3.3.4 3.3.5 3.3.6 3.3.7 3.3.8 3.3.9 3.3.10 3.3.11	reinforced as described, in:- Column (200x200) Ring beam High tensile steel reinforcement to B.S. 4461 in structural concrete work including cutting, bending, hoisting, fixing, tying wire and spacing blocks 8mm diameter bars 12mm diameter bars 12mm diameter bars RHS section steel column Supporting the roof at the Verendah RHS100x3mm Steel columns supporting roof at the verendah Sawn formwork Vertical sides of Columns Ring beam WALLING Damp proof Course Three- ply bituminous felt damp proof course bedded in cement and sand (1:3) mortar (measured nett allow for 300mm laps):- 200mm wide Walling Solid blocks 200mm thick  200mm thick walls reinforced with two lines of hoop iron after every three courses 50mm Concrete Window cill 20 SWG Hoop Iron wall tie 25mm wide x 450mm long cast 75mm into concrete and built into joint of block walling. Gable end with vent 600mm Ø ROOF AND RAIN WATER DISPOSAL	3.2 208.4 711.4 7.0 47.2 47.3 76.4 141.9 15.6 60.0	m3 kg kg No m2 m2 m m ltem		\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	
3.3.2 3.3.3 3.3.4 3.3.5 3.3.6 3.3.7 3.3.8 3.3.9 3.3.10 3.3.11 3.3.12	reinforced as described, in:- Column (200x200) Ring beam High tensile steel reinforcement to B.S. 4461 in structural concrete work including cutting, bending, hoisting, fixing, tying wire and spacing blocks 8mm diameter bars 12mm diameter bars 12mm diameter bars RHS section steel column Supporting the roof at the Verendah RHS100x3mm Steel columns supporting roof at the verendah Sawn formwork Vertical sides of Columns Ring beam WALLING Damp proof Course Three- ply bituminous felt damp proof course bedded in cement and sand (1:3) mortar (measured nett allow for 300mm laps):- 200mm wide Walling Solid blocks 200mm thick  200mm thick walls reinforced with two lines of hoop iron after every three courses 50mm Concrete Window cill 20 SWG Hoop Iron wall tie 25mm wide x 450mm long cast 75mm into concrete and built into joint of block walling. Gable end with vent 600mm Ø ROOF AND RAIN WATER DISPOSAL	3.2 208.4 711.4 7.0 47.2 47.3 76.4 141.9 15.6 60.0	m3 kg kg No m2 m2 m m ltem		\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	
3.3.2 3.3.3 3.3.4 3.3.5 3.3.6 3.3.7 3.3.8 3.3.9 3.3.10 3.3.11 3.3.12	reinforced as described, in:- Column (200x200) Ring beam High tensile steel reinforcement to B.S. 4461 in structural concrete work including cutting, bending, hoisting, fixing, tying wire and spacing blocks Rmm diameter bars RHS section steel column Supporting the roof at the Verendah RHS100x3mm Steel columns supporting roof at the verendah Sawn formwork Vertical sides of Columns Ring beam WALLING Damp proof Course Three-ply bituminous felt damp proof course bedded in cement and sand (1:3) mortar (measured nett allow for 300mm laps):- 200mm wide Walling Solid blocks 200mm thick  200mm thick walls reinforced with two lines of hoop iron after every three courses 50mm Concrete Window cill 20 SWG Hoop Iron wall tie 25mm wide x 450mm long cast 75mm into concrete and built into joint of block walling. Gable end with vent 600mm Ø ROOF AND RAIN WATER DISPOSAL Roof Construction Option #1: either	3.2 208.4 711.4 7.0 47.2 47.3 76.4 141.9 15.6 60.0	m3 kg kg No m2 m2 m m ltem		\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	
3.3.2 3.3.3 3.3.4 3.3.5 3.3.6 3.3.7 3.3.8 3.3.9 3.3.10 3.3.11 3.3.12	reinforced as described, in:- Column (200x200) Ring beam High tensile steel reinforcement to B.S. 4461 in structural concrete work including cutting, bending, hoisting, fixing, tying wire and spacing blocks Rmm diameter bars 12mm diameter bars RHS section steel column Supporting the roof at the Verendah RHS100x3mm Steel columns supporting roof at the verendah Sawn formwork Vertical sides of Columns Ring beam WALLING Damp proof Course Three-ply bituminous felt damp proof course bedded in cement and sand (1:3) mortar (measured nett allow for 300mm laps):- 200mm wide Walling Solid blocks 200mm thick  200mm thick walls reinforced with two lines of hoop iron after every three courses 50mm Concrete Window cill 20 SWG Hoop Iron wall tie 25mm wide x 450mm long cast 75mm into concrete and built into joint of block walling. Gable end with vent 600mm Ø ROOF AND RAIN WATER DISPOSAL Roof Construction Option #1: either Structural steelwork grade 4.3C (factory primed) to be executed by an	3.2 208.4 711.4 7.0 47.2 47.3 76.4 141.9 15.6 60.0	m3 kg kg No m2 m2 m m ltem		\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	
3.3.2 3.3.3 3.3.4 3.3.5 3.3.6 3.3.7 3.3.8 3.3.9 3.3.10 3.3.11 3.3.12 3.3.3	reinforced as described, in:- Column (200x200) Ring beam High tensile steel reinforcement to B.S. 4461 in structural concrete work including cutting, bending, hoisting, fixing, tying wire and spacing blocks 8mm diameter bars 12mm diameter bars RHS section steel column Supporting the roof at the Verendah RHS100x3mm Steel columns supporting roof at the verendah Sawn formwork Vertical sides of Columns Ring beam WALLING Damp proof Course Three- ply bituminous felt damp proof course bedded in cement and sand (1:3) mortar (measured nett allow for 300mm laps):- 200mm wide Walling Solid blocks 200mm thick  200mm thick walls reinforced with two lines of hoop iron after every three courses 50mm Concrete Window cill 20 SWG Hoop Iron wall tie 25mm wide x 450mm long cast 75mm into concrete and built into joint of block walling. Gable end with vent 600mm Ø ROOF AND RAIN WATER DISPOSAL Roof Construction Option #1: either Structural steelwork grade 4.3C (factory primed) to be executed by an approved sub-contractor.	3.2 208.4 711.4 7.0 47.2 47.3 76.4 141.9 15.6 60.0 14.7	m3 kg kg No m2 m2 m m ltem		\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	
3.3.2 3.3.3 3.3.4 3.3.5 3.3.6 3.3.7 3.3.8 3.3.9 3.3.10 3.3.11 3.3.12	reinforced as described, in:- Column (200x200) Ring beam High tensile steel reinforcement to B.S. 4461 in structural concrete work including cutting, bending, hoisting, fixing, tying wire and spacing blocks 8mm diameter bars 12mm diameter bars RHS section steel column Supporting the roof at the Verendah RHS100x3mm Steel columns supporting roof at the verendah Sawn formwork Vertical sides of Columns Ring beam WALLING Damp proof Course Three- ply bituminous felt damp proof course bedded in cement and sand (1:3) mortar (measured nett allow for 300mm laps):- 200mm wide Walling Solid blocks 200mm thick  200mm thick walls reinforced with two lines of hoop iron after every three courses 50mm Concrete Window cill 20 SWG Hoop Iron wall tie 25mm wide x 450mm long cast 75mm into concrete and built into joint of block walling. Gable end with vent 600mm Ø ROOF AND RAIN WATER DISPOSAL Roof Construction Option #1: either Structural steelwork grade 4.3C (factory primed) to be executed by an approved sub-contractor.	3.2 208.4 711.4 7.0 47.2 47.3 76.4 141.9 15.6 60.0	m3 kg kg No m2 m2 m m ltem		\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	
3.3.2 3.3.3 3.3.4 3.3.5 3.3.6 3.3.7 3.3.8 3.3.9 3.3.10 3.3.11 3.3.12 3.3.3	reinforced as described, in:- Column (200x200) Ring beam High tensile steel reinforcement to B.S. 4461 in structural concrete work including cutting, bending, hoisting, fixing, tying wire and spacing blocks Rmm diameter bars RHS section steel column Supporting the roof at the Verendah RHS100x3mm Steel columns supporting roof at the verendah Sawn formwork Vertical sides of Columns Ring beam WALLING Damp proof Course Three- ply bituminous felt damp proof course bedded in cement and sand (1:3) mortar (measured nett allow for 300mm laps):- 200mm wide Walling Solid blocks 200mm thick  200mm thick walls reinforced with two lines of hoop iron after every three courses 50mm Concrete Window cill 20 SWG Hoop Iron wall tie 25mm wide x 450mm long cast 75mm into concrete and built into joint of block walling. Gable end with vent 600mm Ø ROOF AND RAIN WATER DISPOSAL Roof Construction Option #1: either Structural steelwork grade 4.3C (factory primed) to be executed by an approved sub-contractor. 50 x 50 x 3mm Bottom chord, welded to the top of column 50 x 50 x 3mm Top chord/rafters welded with 6mm fillet welds to 40 x 40 x 3mm	3.2 208.4 711.4 7.0 47.2 47.3 76.4 141.9 15.6 60.0 14.7	m3 kg kg No m2 m2 m ltem m2		\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	
3.3.2 3.3.3 3.3.4 3.3.5 3.3.6 3.3.7 3.3.8 3.3.9 3.3.10 3.3.11 3.3.12 3.3.3	reinforced as described, in:- Column (200x200) Ring beam High tensile steel reinforcement to B.S. 4461 in structural concrete work including cutting, bending, hoisting, fixing, tying wire and spacing blocks Rmm diameter bars RHS section steel column Supporting the roof at the Verendah RHS100x3mm Steel columns supporting roof at the verendah Sawn formwork Vertical sides of Columns Ring beam WALLING Damp proof Course Three-ply bituminous felt damp proof course bedded in cement and sand (1:3) mortar (measured nett allow for 300mm laps):- 200mm wide Walling Solid blocks 200mm thick  200mm thick walls reinforced with two lines of hoop iron after every three courses Somm Concrete Window cill 20 SWG Hoop Iron wall tie 25mm wide x 450mm long cast 75mm into concrete and built into joint of block walling. Gable end with vent 600mm Ø ROOF AND RAIN WATER DISPOSAL Roof Construction Option #1: either Structural steelwork grade 4.3C (factory primed) to be executed by an approved sub-contractor. 50 x 50 x 3mm Bottom chord, welded to the top of column 50 x 50 x 3mm Top chord/rafters welded with 6mm fillet welds to 40 x 40 x 3mm RHS internals (RHS) internals measured separately)	3.2 208.4 711.4 7.0 47.2 47.3 76.4 141.9 15.6 60.0 14.7	m3 kg kg No m2 m2 m ltem m2		\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	
3.3.2 3.3.3 3.3.4 3.3.5 3.3.6 3.3.7 3.3.8 3.3.9 3.3.10 3.3.11 3.3.12 3.3.3 3.3.11 3.3.12	reinforced as described, in:- Column (200x200) Ring beam High tensile steel reinforcement to B.S. 4461 in structural concrete work including cutting, bending, hoisting, fixing, tying wire and spacing blocks 8mm diameter bars 12mm diameter bars RHS section steel column Supporting the roof at the Verendah RHS100x3mm Steel columns supporting roof at the verendah Sawn formwork Vertical sides of Columns Ring beam WALLING Damp proof Course Three- ply bituminous felt damp proof course bedded in cement and sand (1:3) mortar (measured nett allow for 300mm laps):- 200mm wide Walling Solid blocks 200mm thick  200mm thick walls reinforced with two lines of hoop iron after every three courses 50mm Concrete Window cill 20 SWG Hoop Iron wall tie 25mm wide x 450mm long cast 75mm into concrete and built into joint of block walling. Gable end with vent 600mm Ø ROOF AND RAIN WATER DISPOSAL Roof Construction Option #1: either Structural steelwork grade 4.3C (factory primed) to be executed by an approved sub-contractor. 50 x 50 x 3mm Bottom chord, welded to the top of column 50 x 50 x 3mm Top chord/rafters welded with 6mm fillet welds to 40 x 40 x 3mm RHS internals (RHS internals measured separately) 40 x 40 x 3mm SHS internals welded with 6mm fillet welds to 50 x 50 x 3mm	3.2 208.4 711.4 7.0 47.2 47.3 76.4 141.9 15.6 60.0 14.7	m3 kg kg No m2 m2 m ltem m2 m m m		\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	
3.3.2 3.3.3 3.3.4 3.3.5 3.3.6 3.3.7 3.3.8 3.3.9 3.3.10 3.3.11 3.3.12 3.3.3	reinforced as described, in:-  Column (200x200)  Ring beam  High tensile steel reinforcement to B.S. 4461 in structural concrete work including cutting, bending, hoisting, fixing, tying wire and spacing blocks  8mm diameter bars  12mm diameter bars  RHS section steel column Supporting the roof at the Verendah  RHS100x3mm Steel columns supporting roof at the verendah  Sawn formwork  Vertical sides of Columns  Ring beam  WALLING  Damp proof Course  Three-ply bituminous felt damp proof course bedded in cement and sand (1:3) mortar imeasured nett allow for 300mm laps):-  200mm wide  Walling  Solid blocks 200mm thick  200mm thick walls reinforced with two lines of hoop iron after every three courses  Somm Concrete Window cill  20 SWG Hoop Iron wall tie 25mm wide x 450mm long cast 75mm into concrete and built into joint of block walling.  Gable end with vent 600mm Ø  ROOF AND RAIN WATER DISPOSAL  Roof Construction  Option #1: either  Structural steelwork grade 4.3C (factory primed) to be executed by an approved sub-contractor.  50 x 50 x 3mm Bottom chord, welded to the top of column  50 x 50 x 3mm Top chord/rafters welded with 6mm fillet welds to 40 x 40 x 3mm RHS internals (RHS internals measured separately)  40 x 40 x 3mm SHS internals welded with 6mm fillet welds to 50 x 50 x 3mm Bottom/top chords (Bottom and Top chords measured separately)	3.2 208.4 711.4 7.0 47.2 47.3 76.4 141.9 15.6 60.0 14.7	m3 kg kg No m2 m2 m ltem m2		\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	
3.3.2 3.3.3 3.3.4 3.3.5 3.3.6 3.3.7 3.3.8 3.3.9 3.3.10 3.3.11 3.3.12 3.3.3 3.3.11 3.3.12	reinforced as described, in:- Column (200x200) Ring beam High tensile steel reinforcement to B.S. 4461 in structural concrete work including cutting, bending, hoisting, fixing, tying wire and spacing blocks 8mm diameter bars 12mm diameter bars RHS section steel column Supporting the roof at the Verendah RHS100x3mm Steel columns supporting roof at the verendah Sawn formwork Vertical sides of Columns Ring beam WALLING Damp proof Course Three- ply bituminous felt damp proof course bedded in cement and sand (1:3) mortar (measured nett allow for 300mm laps):- 200mm wide Walling Solid blocks 200mm thick  200mm thick walls reinforced with two lines of hoop iron after every three courses 50mm Concrete Window cill 20 SWG Hoop Iron wall tie 25mm wide x 450mm long cast 75mm into concrete and built into joint of block walling. Gable end with vent 600mm Ø ROOF AND RAIN WATER DISPOSAL Roof Construction Option #1: either Structural steelwork grade 4.3C (factory primed) to be executed by an approved sub-contractor. 50 x 50 x 3mm Bottom chord, welded to the top of column 50 x 50 x 3mm Top chord/rafters welded with 6mm fillet welds to 40 x 40 x 3mm RHS internals (RHS internals measured separately) 40 x 40 x 3mm SHS internals welded with 6mm fillet welds to 50 x 50 x 3mm	3.2 208.4 711.4 7.0 47.2 47.3 76.4 141.9 15.6 60.0 14.7	m3 kg kg No m2 m2 m ltem m2 m m m		\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	

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3.3.5	100 x 50 x 2mm thick Z-purlins securely fixed onto the steel trusses (MS) including all the welding, straining, surface preparation and hoisting into position.	308.4	m	\$	-
3.3.6	16mm diam anchor bolts L=250 to be welded on steel reinforcement	40.0	Nr	\$	-
3.3.7	150x150x8mm plate (fillet weld of 6mmthick) welded to the truss and colum	14.0	Nr	\$	-
3.3.8	Roof Covering Supplying & fixing of gauge 28 pre-painted Super Five IT4 profiled roofing sheets ( 0.5mm ) of approved colour: fixed with J-bolts to 100 x 50 x 2mm zed purlins ( measured convertely) and rubbor coning to tone of bolts.	287.8	m2	\$	-
3.3.9	separately) and rubber caping to tops of bolts  Supplying & fixing of an approved heat insulation layer fixed to purlins according to manufacturer's specifications.	287.8	m2	\$	-
3.3.10	Supplying & fixing Gauge 28 prepainted ridge cap; 650mm girth (average) in position complete with all necessary roofing screws or hooks as required.	25.7	m	\$	-
	Valance / Barge Board			\$	-
3.3.11	25x225mm high timber valance board / barge board bolted to 100 x 100 x 8mm thick mild steel plate with 4 No 12mm diameter bolts: plates welded to edges of rafters: all complete with approved wood preservative as specified and as per Drawing.	62.6	m	\$	-
	Rain Water Disposal			\$	-
	Supply and fix rain water system to manufacturer's instructions.			\$	-
3.3.12	250x350 GMS 2mm thick gutter with its accessories and fittings	51.40	m	\$	-
3.3.13	Rainwater outlets with nozzle for 100mm rainwater down pipe outlet.	3.00	Nr	 \$	-
3.3.14	10000L Plastic tank including plumbing work (pipe connections and taps)	1.00	lump sum	\$	-
3.3.15	Water tank concrete plinth construction including supply and installation of all materials and labour	1.00	lump sum	\$	-
3.3.16	Soak pit construction including supply and installation of all materials and labour	1.00	lump sum	\$	-
3.3.17	Storm water drainage	62.60	m	\$	_
0.0.17	DOORS AND WINDOWS	02.00		\$	
	Note: All doors to be supplied and fixed as per the details and schedule provided. All iron Mongery that has not been measured separately shall be priced together with the corresponding door.			Ψ	
	<u>Door Shutter</u>				
3.3.18	Steel doors to fit structural opening size 950mm x 2700mm high: RHS steel frame 40mm x 40mm x 2mm, Painted with 2 coats of antirust paint & one coat of enamel paint, 180D Opening, 0.5mm casement metal pane, with Bugalar proofing with RHS 25mm x 25mm x 2mm Vertical steel bars at equal intervals welded to frames on the enterior side. Ironmongry stainless steel pull-push bar handle, 0.5mm thick steel louvers at top welded to RHS frame. Louver to be covered with approved mosquito net.	3.0	Nr	\$	-
	Painting and Decorating			\$	-
	Prepare and apply two coats of brown rust inhibiting primer finished with two coats of				
	white matt oil paint on metal:-			\$	-
3.3.19	Surfaces steel plated doors and steel frames  WINDOWS	15.4	m2	\$	-
	Purpose made steel casement windows manufactured from standard strong Z sections: manufacture, assemble and deliver to site: Supply and fix ironmongery comprising approved hinges, stays, fasteners to opening lights: frames drilled, plugged and screwed or built into walling: one coat red oxide primer before delivery.			\$	<u> </u>
	Supply and fix the following			\$	-
3.3.20	W1. 1200x1600mm. door Frame material is LTZ steel frame 40mm x 40mm x 2mm, Painted with 2 coats of antirust paint & one coat of enamel paint glased with 5mm thick clear glass. Bugler proofing is RHS 25 X 25 X 2 mm steel bars welded to frames at equal spacing behind glazings on the interior side and 0.5mm thick steel louvers welded to RHS frame. Louver to be covered with approved mosquito net. Ironmongry stainless steel pull- push bar handle	21.0	Nr	\$	-
3.3.21	Burglar proofing grille comprising 12mm high yield tensile bars 150mm centres vertical and 300mm centres horizontal in cobweb pattern having one coat of red oxide primer to fit the above window sizes.	571.2	m	\$	-
3.3.22	Iron Mongery and matching fixing	21.0	Nr	\$	-
3.3.23	Fastener	21.0	Nr	\$	
3.3.24	Stay Ordinary quality(OQ) clear sheet glass and glazing	21.0	Nr	 \$	-
3.3.25	4mm glass: glazing to metal casement panes 0.1-0.5mm2 with tropical glazing putty	40.3	m2	\$	-
3.4	ELECTRICAL INSTALLATIONS			\$	-
	Earthing				
3.4.1	Supply and install Earthing of DC installation at the combiner box on the roof comprising of 25sq.mm SC PVC insulated copper cable from the roof to copper earth electrode of size 1200mm long x15mm diameter enclosed by a concrete manhole of size 300x300x200mm with removable cover	1.0	Lumpsum	\$	-

ow for testing and commissioning for earthing installations system  IISHES  or Finishes: Cement and sand (1:3) screeds and pavings: one coat: steel trowel finish: d on concrete  mm thick screeding. ternal wall finishes: Cement and sand(1:4)  mm thick to walls and concrete surfaces  Omm x 10mm rendered skirt  IIIIs  epare surfaces: apply three coats weather guard emulsion paint; endered surfaces: walls  irt  epare surfaces: apply three coats bituminous paint; irt  ernal Wall finishes Cement/lime putty/sand(1:2:9)  mm plaster to: walls and concrete surfaces: steel trowelled smooth  epare surfaces: apply three coats vinyl silk soft white emulsion paint: on steel	1.0 212.3 150.5 90.0 150.5 90.0	m2 m2 m2 m2 m2 m		\$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$ \$	
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mm thick internal lime plaster to walls internally	21.6	m2		\$	-
epare and apply three coats of black bit mastic paint to blackboard surfaces	32.4	m2		\$	-
ot prime and stop and apply three gloss oil paint to timber surfaces not	10.0			¢	
ceeding 100mm girth.	10.0	III		Ф	-
ilings				\$	-
ndrails for length of ramps on both sides,					
S 50mm dia. and 3.5 mm thickness, painted with 2 coats of antirust paint and 1 coat of	2.00	Pairs		\$	-
amel paint					
ASSROOM FURNITURE				\$	-
rniture supply, as laid out in drawings. Contractor to provide shop drawings or					
nufactuer specifications for approval by Engineer					
ident desk and bench, Desk size 120x40cm surface, 75cm high; Bench size 120x28cm	72.00	NI-		خ	
ating area, 50cm high	72.00	INI		۶	-
acher's table, Desk size 150x75 cm surface, 75cm high	2.00	Nr		\$	
acher's chair, wood or metal	2.00	Nr		\$	
BILL SUMMARY					
Q CONSTRUCTION OF 3-CLASSROOM BLOCK	1.00	Unit	\$ -	\$	-
onstruction of an office block with store attached	1.0	unit		\$	
m x eperio con con con con con con con con con co	In thick 'cellotex, soft board (in 3 No.)  50mm beading to edges of pin boards hare and apply one under coat and two coats of emulsion paint: on heral surfaces: soft board lining the prime and stop and apply three gloss oil paint to timber surfaces not heeding 100mm girth.  Faces 25 x 50mm girth: edge trim following in blackboards: size 3m x 1.2m high (in 1 No) hard thick internal lime plaster to walls internally hare and apply three coats of black bit mastic paint to blackboard surfaces the prime and stop and apply three gloss oil paint to timber surfaces not heeding 100mm girth.  Fings dirails for length of ramps on both sides, 50mm dia. and 3.5 mm thickness, painted with 2 coats of antirust paint and 1 coat of help paint  SSROOM FURNITURE  Fiture supply, as laid out in drawings. Contractor to provide shop drawings or hardcuter specifications for approval by Engineer  Lent desk and bench, Desk size 120x40cm surface, 75cm high; Bench size 120x28cm hing area, 50cm high her's table, Desk size 150x75 cm surface, 75cm high her's table, Desk size 150x75 cm surface, 75cm high  BILL SUMMARY  LCONSTRUCTION OF 3-CLASSROOM BLOCK	in thick 'cellotex, soft board (in 3 No.)  50mm beading to edges of pin boards  36.0  bare and apply one under coat and two coats of emulsion paint : on  22.8  bare and apply one under coat and two coats of emulsion paint : on  22.8  bare and surfaces: soft board lining  21.9  the prime and stop and apply three gloss oil paint to timber surfaces not eveding 100mm girth.  22.8  deceding 100mm girth: edge trim  36.0  following in blackboards: size 3m x 1.2m high (in 1 No)  10.8  and thick internal lime plaster to walls internally  21.6  bare and apply three coats of black bit mastic paint to blackboard surfaces  at prime and stop and apply three gloss oil paint to timber surfaces not eveding 100mm girth.  bare and apply three coats of black bit mastic paint to timber surfaces not eveding 100mm girth.  bare and apply three gloss oil paint to timber surfaces not eveding 100mm girth.  bare and apply three gloss oil paint to timber surfaces not eveding 100mm girth.  bare and apply three gloss oil paint to timber surfaces not eveding 100mm girth.  bare and apply three gloss oil paint to timber surfaces not eveding 100mm girth.  bare and apply three gloss oil paint to timber surfaces not eveding 100mm girth.  bare and apply three gloss oil paint to timber surfaces not eveding 100mm girth.  bare and apply three gloss oil paint to timber surfaces not eveding 100mm girth.  bare and apply three coats of black bit mastic paint to blackboard surfaces  32.4  bare and apply three gloss oil paint to timber surfaces not eveding 100mm girth.  bare and apply three coats of black bit mastic paint to blackboard surfaces  2.00  bare and apply three gloss oil paint to timber surfaces not eveding 100mm girth.  bare and apply three gloss oil paint to timber surfaces not eveding 100mm girth.  bare and apply three gloss oil paint to timber surfaces not eveding 100mm girth.  bare and apply three gloss oil paint to blackboard surfaces  2.00  bare and apply three gloss oil paint to timber surfaces not eveding 100mm girth.  bare and apply thr	mt hick 'cellotex, soft board (in 3 No.)  50mm beading to edges of pin boards  36.0 m  are and apply one under coat and two coats of emulsion paint : on  22.8 m2  teral surfaces: soft board lining  21.9 m  to prime and stop and apply three gloss oil paint to timber surfaces not  22.8 m2  22.0 Pairs  22.00 Nr  22.00 Nr	m thick 'cellotex, soft board (in 3 No.)  50mm beading to edges of pin boards  are and apply one under coat and two coats of emulsion paint : on  tare and apply one under coat and two coats of emulsion paint : on  tare and apply one under coat and two coats of emulsion paint : on  tare and stop and apply three gloss oil paint to timber surfaces not  each grading 100mm girth.  aces 25 x 50mm girth: edge trim  following in blackboards: size 3m x 1.2m high (in 1 No)  must be paired and apply three coats of black bit mastic paint to blackboard surfaces  at prime and stop and apply three gloss oil paint to timber surfaces not  each grading 100mm girth.  aces 25 x 50mm girth: edge trim  following in blackboards: size 3m x 1.2m high (in 1 No)  must be paired and apply three coats of black bit mastic paint to blackboard surfaces  at prime and stop and apply three gloss oil paint to timber surfaces not  each grading 100mm girth.  aces 20 x 50mm dia. and 3.5 mm thickness, painted with 2 coats of antirust paint and 1 coat of  mel paint  asserting area, 50mm figh  be stored for approval by Engineer  lefurder specifications for approval by Engineer  lefurder specifications for approval by Engineer  lefurder stable, Desk size 150x75 cm surface, 75cm high; Bench size 120x28cm  ing area, 50cm high  ther's table, Desk size 150x75 cm surface, 75cm high; Bench size 120x28cm  BILL SUMMARY  aces 22.8  m2  22.0  Nr  cher's chair, wood or metal  2.00  Nr  cher's chair, wood or metal  2.00  Nr  cher's chair, wood or metal	m thick 'cellotex, soft board (in 3 No.)  50mm beading to edges of pin boards  36.0 m  \$ are and apply one under coat and two coats of emulsion paint : on  22.8 m2  \$ are and apply three gloss oil paint to timber surfaces not  beading 100mm girth.  36.0 m  \$ acces 25 x 50mm girth: edge trim  following in blackboards: size 3m x 1.2m high (in 1 No)  muthick internal lime plaster to walls internally  pare and apply three coats of black bit mastic paint to timber surfaces not  beading 100mm girth.  36.0 m  \$ acces 25 x 50mm girth: edge trim  following in blackboards: size 3m x 1.2m high (in 1 No)  muthick internal lime plaster to walls internally  21.6 m2  \$ are and apply three coats of black bit mastic paint to blackboard surfaces  at prime and stop and apply three gloss oil paint to timber surfaces not  beading 100mm girth.  acces 25 x 50mm girth  acces 25 x 50mm girth: edge trim  \$