



**Construction of Two Classroom Block for TLS in Warrap State**

**Dimensions 16.0m Long X 8.0m Wide X 3.5m High Including varrendor of 1.5mx16m**

**Location :**

S/No	Item Description	Unit	Qty	Unit Cost (USD)	Total Cost (USD)
0	<b>Preliminary.</b>				
0.1	Mobilization of equipment, tools, materials and labors.	Item			
0.2	Provision of missing technical drawings - these can be provided independently of the mobilisation	Item			
0.3	Allow for sum of money sufficient for clearing the site of any obstacles and setting the building	Item			
	<b>Total for preliminaries</b>				
<b>A</b>	<b>Site clearance and excavation</b>				
A.1	Remove topsoil at site to a depth of 150mm including any other debris on site	M <sup>3</sup>			
A.2	Provide well treated and uniformly hardwood poles of 4000mm length ( 100mm X 75mm dimensions)	No.			
A.3	Excavate 500mm deep Circular holes uniformly of 200mm OD, <b>spacing of 1.5m along the LENGTH and 1.20m along the WIDTH</b>	M <sup>3</sup>			
A.4	Cut to size, install, construct and precast insitu with concrete ,42 hardwood poles with a mix of 1:3:6 maintaining level	M <sup>3</sup>			
	<b>Subtotal 1</b>				
<b>B</b>	<b>Substructure</b>				
B.1	Excavate 100mm thickness strip foundation between the 17 poles all round with a 300mm Width spacing of the foundation	M <sup>3</sup>			

B.2	Provide, cut to size and install 3" X 2" hard wood timber (75mm X 25mm) running horizontally at spacing heights of <b>1000mm</b> and <b>150mm</b> from Ground level all round excluding the door.	LM			
B.3	Provide, cut to size and install 30mm Gauge Galvanized Iron (GGI of 3m long X 0.9m Wide, one piece cut into two pieces) all round excluding the door to a height of 1500mm above the ground level (including excavated topsoil)	Pieces			
B.4	Cast insitu strip foundation footing with concrete mix 1:3:6 of 100mm thickness between the pole spacing round the structure	M <sup>3</sup>			
	<b>Subtotal 2</b>				
<b>C</b>	<b>Superstructure</b>				
C.1	Provide, supply 4" X 2 " hardwood timber for <b>Gable roofing structure</b> for <b>Tie beam (100mm X 50mm)</b> all round the structure (Each piece having 4m Long) considering roof pitch of <b>26 degrees</b>	LM			
C.2	Provide, supply 3" X 4 " hardwood timber for <b>Gable roofing structure</b> for <b>Wall plate</b> (Wall plate timbers along the width Each piece measuring 4m long	LM			
C.3	Provide, supply 4" X 2 " hardwood timber for <b>rafter structure assembly to be inclined at 26 Degrees</b> (pitch angle)	LM			
C.4	Provide, supply 3"X 2 " hardwood timber for purlin structure assembly for roofing structure with spaced on each side of the Gable roof	LM			
C.5	Provide and supply assorted hardwood nails of 5", 4", 3" 2" and roofing nails	Kg			
C.6	Provide 10kg roll of hoop iron for roofing assembly	Rolls			
C.7	Provide roofing structure materials including 30 Gauge Galvanized Iron (GGI) of 3.0m long X 0.9m Wide sheet	Pieces			
C.8	Provide 30 Gauge Galvanized Iron (GGI) ridge cable of 2.0m long X 0.3m Wide sheet	Pieces			
C.9	Provide, cut and install roofing structure materials including 30 Gauge Galvanized Iron (GGI) of 3.0m long X 0.9m Wide sheet for over window walling structure	Pieces			
	<b>Subtotal 3</b>				

D	<b>Fittings and Floor work finishes</b>				
D.1	Provide thick and well burnt bricks (200mm long X 100mm Wide X 50mm height) for masonry walling with a joint mortar mix of 1:4 from strip foundation <b>footing level to a height of 300mm reaching at ground level</b>	M <sup>2</sup>			
D.2	Provide, supply and backfill with murrum for the floor to a thickness of 350mm and compacting firmly	M <sup>3</sup>			
D.3	Provide and supply 1000 gauge DPM laid on a prepared soffit of the floor slab	Roll			
D.4	Provide, supply, cut, bend and construct insitu reinforced concrete materials using coarse sand, screened graded and washed aggregate for flooring as per design including shuttering, steel reinforcement, compacting, curing, with a thickness of 200mm with a concrete mix of 1:3:6 including BRC wire mesh ref A66 (no allowance made of the laps)	M <sup>3</sup>			
D.5	Provide, supply and install wire mesh made fabricated window with dimensions of 5000mm x 600mm through out the length except for gables and doors including framework	No			
D.6	Provide, supply and install GI sheet-made fabricated door with dimensions of 2000mm X 1000mm including door framework	No			
D.7	Provide materials for flooring and screeding with 50mm thickness mortar with a mix of 1:3 to the floor including the varrendor and apron				
<b>Subtotal 4</b>					-
<b>Total cost in USD (Material + Labor)</b>					-