BILL OF QUANTITIES					
South Sudan Enhancing Community Resilience and Local Governance Project (ECRP II)					
	Construction of 400m perimeter masonry wall fence in Loko Loko PHCC, constructiom of placenta pit, 1 block of 3 stance latrine with washroom; Rehabilitation of 8 class rooms (3 blocks) in Loko loko secondary School, teachers' quarter and Music & dance Theater, Construction of 2 block of 4 stance latrines (boys and girls), 1 block of 2 stance latrine at Wau North Payam.				Tender No.8
	Name of Bidder:				
ITEM	**DESCRIPTIONS**	**Unit**	**Quantity required for project**	**Unit Cost [USD]**	**Total cost (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	5.00		$ -
	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		$ -
	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		$ -
	Environmental and Social Safeguarding Requirements				**$ -**

1.1.12	*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.*				
1.1.13	Conduct environmental and social risk assessment and management on all subproject sites including conducting inspections to ensure adherenace to the requirment of IOM and the World Bank	**Lump Sum**	1		$ -
1.1.14	Provide resources to ensure a safe working enviroment including signage, access control,fall protection equipment and devices, ocupational safety and health equipment, and first aid kit.	Lump Sum	1		$ -
1.1.15	Ensure measures are put in place to guarantee community safety including stakeholder engagement and information disclosure	Lump Sum	1		$ -
1.1.16	Acquire all relevant Environmental perts, licenses and authorisation prior to engaging in any activities that require such. This includes adhereing to conditions of any licenses issues.	Lump Sum	1		$ -
1.1.17	Rehabilitate and ensure maintanace of aesthetic environment including ensuring the sound management of waste on all sites.	Lump Sum	1		$ -
1.1.18	Ensure there is a designated qualified and competent environmental and social safeguards specialist within the contrcator's team atleast for each subproject.	Month	6		$ -
ITEM	**DESCRIPTION**	**QTY**	UNIT	**RATE (USD)**	**AMOUNT (USD)**
BILL NO. 2	**REHABILITATION OF MAIN CLASSROOM BLOCK 1 & 2-LOKO LOKO SECONDARY SCHOOL**				**$ -**
	SITE PREPARATION				
2.1.1	Site clearance and removal of debris from site as directed	72.00	m2		$ -
2.1.2	Remove existing plaster for the blackboard surfaces, prepare wall surface to receive new blackboard plaster.	18.00	m2		$ -
2.1.3	Hack out the existing floor screed for classrooms and corridor area ,wheel and deposit debris as directed by IOM engineer . prepare the exposed slab to receive new cm screed.	295.40	m2		$ -
2.1.4	Fill the annular open space in between wall plate and roof covering with masonary works to enclose the opening ,render the wall from both sides to flush with exising wall dimension.	254.9	m		$ -
	Concrete work in substructure				
	Weak concrete blinding (mix 1:8:12)				
	In Situ concrete class C10/20/25, vibrated and reinforced as described, in:-				
2.1.5	150mm thick ground floor slab (Verandah) C-25 concrete	9.99	m3		$ -
	Ramps				
2.1.7	Construct access ramp with hand rails and a slope of 8% as shall be directed by the IOM Engineer as per the ToR. Min 1.5 m wide ramp, C-20 plain concrete footing min 250mm x 100mm thick, 200mm thick brick plinth wall min 250mm deep, backfilling, concrete C-20 (1:2:4) slab vibrated with a minimum concrete thickness of 100mm at all points with reinforced Mesh; B.S. A142 including bends, tying wire and spacing blocks. Finish with 40 mm floor screed.	1.00	Lump Sum		$ -
	Reinforcement				
	Mesh reinforcement ; B.S. 4483 A98 weighing 1.54 kgs per square meter including bends, tying wire and spacing blocks				
2.1.8	Fabric mesh reinforcement to ground floor slab in the Verandah	66.59	m2		$ -
	Sawn formwork to:-				
2.1.9	Edges of 200mm high Verandah slab	8.69	m2		$ -
	DOORS AND WINDOWS				
	Note: All doors and windows to be supplied and fixed as per the details provided. Doors and windows to be sized to fit existing door/window frames as measured on site. All iron Mongery that has not been measured separately shall be priced together with the corresponding door/window and Correct all the doors and windows reveals.				
	Doors				
	High quality metallic door frames and single shutters of light quality metal (2mm thick plate); 0.3m long door handle of 40mm diameter GI pipe installed at height of 0.8m from the base of the door, 3 no 4" hinges, external and internal locking mechanism installed at 0.75m from the base of door (lever handle locking system) and hardware for installation. Painted with 2 coats of antirust paint & one coat of enamel paint (IOM blue)				
2.2.0	Single Steel door frame and shutter to fit structural opening size 1000mm x 2200mm high	6.00	Nr		$ -
	Windows				
	High quality metallic window frames and double shutters of light quality metal frames and transparent sheet glass ; steel pull-push bar handle with internal locking mechanism and hardware for installation. Painted with 2 coats of antirust paint & one coat of enamel paint (IOM blue)				
2.2.1	Double shutter Windows to fit existing window frames as measured on site 1200mm x 1000mm with 4mm clear/transparent sheet glass with glazing to metal casement panes 0.1-0.5 mm2 with tropical glazing putty	24.00	Nr		$ -
	ROOF AND RAIN WATER DISPOSAL				
	FINISHES				
2.2.2	Multifit multipurpose external and concealed standard fascia board welded to 75 x 50mm steel rafters edges: all complete with approved screws specified. paint with 2 coats of antirust paint and one coat of enamel paint.	84	m		$ -
2.2.3	Supply and install 6" (150mm) dia. and 4mm thick PVC gutter and all the down pipe fittings, screwed on 25 x 225mm wooden fascia board with support bracket placed at 2000mm c/c	84	m		$ -
	Wall Finishes				
	The following for Chalkboards (size 2.5m x 1.2m high) in each classroom				

2.2.4	Reconstruct the blackboards (size 2.5m x 1.2m high) in each classroom, 20mm thick internal lime plaster and Prepare plaster surface and apply three coats of black bituminous mastic paint for the undercoat and finish with three layers of gloss oil paint to blackboard surfaces	18.00	m2		$ -
	Internal and external Walls: 15mm thick cement sand plaster (1:4), with steel trowelled finish. *Paint: 1 coat of emulsion under coat on all walls. For interior walls, finish with 3 coats of matte vinyl paint in soft white. For exterior walls, finish with 3 coats of emulsion wather guard paint in smoked grey*				
2.2.5	Build a 225mm parapet wall on to opposite cable ends bedded in mix 1:3	15.50	m		$ -
2.2.6	Ditto Plaster 25mm, to both sides of parapet wallcm 1:3.	10.86	m2		$ -
2.2.7	Repair 15% damaged internal plaster including the soffits and properly finish with wooden float ready to receive paint	90.80	m2		$ -
2.2.8	Repair 15% damaged external plaster properly finish with wooden float ready to receive paint	30.25	m2		$ -
2.2.9	Plaster the open space above the beam to the roof maintaining the same wall thickness of the existing wall	41.98	m2		$ -
2.2.10	Internal wall Paint: 1 coat of emulsion under coat, finish with 3 coats of matte vinyl paint colour to be determined/confirmed on ground.	605.35	m2		$ -
2.2.11	External wall Paint: 1 coat of weather guard under coat, finish with 3 coats of wather guard paint in smoked grey.	201.66	m2		$ -
2.2.12	300mm x 10mm rendered skirt, thick cement sand plaster (1:4), with steel trowelled, finish.	69.96	m		$ -
2.2.13	3 coats of bituminous paint for 300mm rendered skirt	69.96	m		$ -
	Verandah Finishes				
2.2.14	Sand existing metal RHS 75mmx50mm x 3 mm thick verandah pillars, paint with 2 coats of antirust paint and one coat of enamel paint.	9.00	Nr		$ -
	Floor Finishes				
	Cement and sand (1:3) screeds and pavings: one coat: steel trowel finish				
2.2.15	Apply 25mm thick cement sand screed.	295.40	m2		$ -
ITEM	**DESCRIPTION**	**QTY**	UNIT	**RATE (USD)**	**AMOUNT (USD)**
BILL NO. 3	**REHABILITATION OF CLASSROOM BLOCK 03-LOKO LOKO SECONDARY SCHOOL**				**$ -**
3.1.1	Site clearance and removal of debris from site as directed	46.00	m2		$ -
3.1.2	Remove existing plaster for the blackboard surfaces, prepare wall surface to receive new blackboard plaster.	18.00	m2		$ -
3.1.3	Hack out the existing floor screed for classrooms and corridor area ,wheel and deposit debris as directed by IOM engineer . prepare the exposed slab to receive new cm screed.	195.33	m2		$ -
3.1.4	Fill the annular open space in between wall plate and roof covering with masonary works to enclose the opening ,render the wall from both sides to flush with exising wall dimension.	43.8	m		$ -
	Concrete work in substructure				
	Weak concrete blinding (mix 1:8:12)				
	In Situ concrete class C10/20/25, vibrated and reinforced as described, in:-				
3.1.9	150mm thick ground floor slab (Verandah) C-25 concrete	5.34	m3		$ -
	Ramps				
3.2.0	Construct access ramp with hand rails and a slope of 8% as shall be directed by the IOM Engineer as per the ToR. Min 1.5 m wide ramp, C-20 plain concrete footing min 250mm x 100mm thick, 200mm thick brick plinth wall min 250mm deep, backfilling, concrete C-20 (1:2:4) slab vibrated with a minimum concrete thickness of 100mm at all points with reinforced Mesh; B.S. A142 including bends, tying wire and spacing blocks. Finish with 40 mm floor screed.	1.00	Lump Sum		$ -
	Reinforcement				
	Mesh reinforcement ; B.S. 4483 A98 weighing 1.54 kgs per square meter including bends, tying wire and spacing blocks				
3.2.1	Fabric mesh reinforcement to ground floor slab in the Verandah	52.10	m2		$ -
	Sawn formwork to:-				
3.2.2	Edges of 200mm high Verandah slab	6.80	m2		$ -
	DOORS AND WINDOWS				
	Note: All doors and windows to be supplied and fixed as per the details provided. Doors and windows to be sized to fit existing door/window frames as measured on site. All iron Mongery that has not been measured separately shall be priced together with the corresponding door/window and Correct all the doors and windows reveals.				
	Doors				
	High quality metallic door frames and single shutters of light quality metal (2mm thick plate); 0.3m long door handle of 40mm diameter GI pipe installed at height of 0.8m from the base of the door, 3 no 4" hinges, external and internal locking mechanism installed at 0.75m from the base of door (lever handle locking system) and hardware for installation. Painted with 2 coats of antirust paint & one coat of enamel paint (IOM blue)				
3.2.3	Single Steel door frame and shutter to fit structural opening size 1000mm x 2200mm high	6.00	Nr		$ -
	Windows				
	High quality metallic window frames and double shutters of light quality metal frames and transparent sheet glass : steel pull-push bar handle with internal locking mechanism and hardware for installation. Painted with 2 coats of antirust paint & one coat of enamel paint (IOM blue)				
3.2.4	Double shutter Windows to fit existing window frames as measured on site 1200mm x 1000mm with 4mm clear/transparent sheet glass with glazing to metal casement panes 0.1-0.5 mm2 with tropical glazing putty	18.00	Nr		$ -
	ROOF AND RAIN WATER DISPOSAL				
	FINISHES				
3.2.5	Multifit multipurpose external and concealed standard fascia board welded to 75 x 50mm steel rafters edges: all complete with approved screws specified. paint with 2 coats of antirust paint and one coat of enamel paint.	66	m		$ -

3.2.6	Supply and install 6" (150mm) dia. and 4mm thick PVC gutter and all the down pipe fittings, screwed on 25 x 225mm wooden fascia board with support bracket placed at 2000mm c/c	66	m		$ -
3.2.7	Sand existing metal 75mmx40mm x 3 mm thick roof trusse, paint with 2 coats of antirust paint and one coat of enamel paint.	1.00	lump sum		$ -
	Wall Finishes				
	The following for Chalkboards (size 2.5m x 1.2m high) in each classroom				
3.2.8	Reconstruct the blackboards (size 2.5m x 1.2m high) in each classroom, 20mm thick internal lime plaster and Prepare plaster surface and apply three coats of black bituminous mastic paint for the undercoat and finish with three layers of gloss oil paint to blackboard surfaces	2			$ -
3.2.9	Prepare plaster surface and apply three coats of blackboard paint to the blackboard surfaces	18.00	m2		$ -
	Internal and external Walls: 15mm thick cement sand plaster (1:4), with steel trowelled finish. *Paint: 1 coat of emulsion under coat on all walls. For interior walls, finish with 3 coats of matte vinyl paint in soft white. For exterior walls, finish with 3 coats of emulsion wather guard paint in smoked grey*				
3.3.0	Build a 225mm parapet wall on to opposite cable ends bedded in mix 1:3	13.10	m		$ -
3.3.1	Ditto Plaster 25mm, to both sides of parapet wallcm 1:3.	9.17	m2		$ -
3.3.2	Repair 15% damaged external plaster including the soffits and properly finish with wooden float ready to receive paint	19.76	m2		$ -
3.3.3	Repair 15% damaged internal plaster including the soffits and properly finish with wooden float ready to receive paint	58.00	m2		$ -
3.3.4	Plaster the open space above the beam to the roof maintaining the same wall thickness of the existing wall	15.72	m2		$ -
3.3.5	Internal wall Paint: 1 coat of emulsion under coat, finish with 3 coats of matte vinyl paint in soft white	386.25	m2		$ -
3.3.6	External wall Paint: 1 coat of weather guard under coat, finish with 3 coats of wather guard paint in smoked grey including the roughcast	131.70	m2		$ -
3.3.7	300mm x 10mm rendered skirt, thick cement sand plaster (1:4), with steel trowelled, finish.	73.00	m		$ -
3.3.8	3 coats of bituminous paint for 300mm rendered skirt	73.00	m		$ -
	Verandah Finishes				
3.3.9	Supply and install steel columns to support the Verandah roof, RHS 100mmx50mm x 3 mm thick and 3mm high to support the verandah.	7.00	m		$ -
	Floor Finishes				
	Cement and sand (1:3) screeds and pavings: one coat: steel trowel finish				
3.4.0	Apply 25mm thick cement sand screed.	195.33	m2		$ -
ITEM	**DESCRIPTION**	**QTY**	**UNIT**	**RATE (USD)**	**AMOUNT (USD)**
BILL NO. 4	**REHABILITATION OF TEACHER'S QUARTER BLOCK-LOKO LOKO SECONDARY SCHOOL**				**$ -**
4.1.1	Site clearance and removal of debris from site as directed	32.20	m2		$ -
4.1.2	Hack out the existing floor screed and verrandah area ,wheel and deposit debris as directed by IOM engineer . prepare the exposed slab to receive new cm screed.	101.33	m2		$ -
4.1.3	Fill the annular open space in between wall plate and roof covering with masonary works to enclose the opening ,render the wall from both sides to flush with exising wall dimension.	43.2	m		$ -
	Ramps				
4.1.4	Construct access ramp with hand rails and a slope of 8% as shall be directed by the IOM Engineer as per the ToR. Min 1.5 m wide ramp, C-20 plain concrete footing min 250mm x 100mm thick, 200mm thick brick plinth wall min 250mm deep, backfilling, concrete C-20 (1:2:4) slab vibrated with a minimum concrete thickness of 100mm at all points with reinforced Mesh; B.S. A142 including bends, tying wire and spacing blocks. Finish with 40 mm floor screed.	1.00	Lump Sum		$ -
	Reinforcement				
	Mesh reinforcement ; B.S. 4483 A98 weighing 1.54 kgs per square meter including bends, tying wire and spacing blocks				
	DOORS AND WINDOWS				
	Note: All doors and windows to be supplied and fixed as per the details provided. Doors and windows to be sized to fit existing door/window frames as measured on site. All iron Mongery that has not been measured separately shall be priced together with the corresponding door/window and Correct all the doors and windows reveals.				
	Doors				
	High quality metallic door frames and single shutters of light quality metal (2mm thick plate); 0.3m long door handle of 40mm diameter GI pipe installed at height of 0.8m from the base of the door, 3 no 4" hinges, external and internal locking mechanism installed at 0.75m from the base of door (lever handle locking system) and hardware for installation. Painted with 2 coats of antirust paint & one coat of enamel paint (IOM blue)				
4.1.4	Single Steel door frame and shutter to fit structural opening size 1000mm x 2200mm high	6.00	Nr		$ -
	Windows				
	High quality metallic window frames and double shutters of light quality metal frames and transparent sheet glass ; steel pull-push bar handle with internal locking mechanism and hardware for installation. Painted with 2 coats of antirust paint & one coat of enamel paint (IOM blue)				
4.1.5	*High quality metallic window frames and louvres (2mm thick) 500x500mm high windows, RHS steel frame 40x40x2mm painted with 2 coats of antirust paint & one coat of enamel paint with steel louvers*	1.00	Nr		$ -
4.1.6	Double shutter Windows to fit existing window frames as measured on site 1200mm x 750mm with 4mm clear/transparent sheet glass with glazing to metal casement panes 0.1-0.5 mm2 with tropical glazing putty	7.00	Nr		$ -
	ROOF AND RAIN WATER DISPOSAL				
	FINISHES				

4.1.7	Multifit multipurpose external and concealed standard fascia board welded to 75 x 50mm steel rafters edges: all complete with approved screws specified. paint with 2 coats of antirust paint and one coat of enamel paint.	22.4	m		$ -
4.1.8	Supply and install 6" (150mm) dia. and 4mm thick PVC gutter and all the down pipe fittings, screwed on 25 x 225mm wooden fascia board with support bracket placed at 2000mm c/c	22.4	m		$ -
4.1.9	Sand existing metal 75mmx40mm x 3 mm thick roof trusse, paint with 2 coats of antirust paint and one coat of enamel paint.	1.00	lump sum		$ -
	Wall Finishes				
	Internal and external Walls: 15mm thick cement sand plaster (1:4), with steel trowelled finish. *Paint: 1 coat of emulsion under coat on all walls. For interior walls, finish with 3 coats of matte vinyl paint in soft white. For exterior walls, finish with 3 coats of emulsion wather guard paint in smoked grey*				
4.2.0	Build a 225mm parapet wall on to opposite cable ends bedded in mix 1:3	22.4	m		$ -
4.2.1	Ditto Plaster 25mm, to both sides of parapet wallcm 1:3.	15.68	m2		$ -
4.2.2	Repair 15% damaged external plaster including the soffits and properly finish with wooden float ready to receive paint	19.00	m2		$ -
4.2.3	Repair 15% damaged internal plaster including the soffits and properly finish with wooden float ready to receive paint	52.44	m2		$ -
4.2.4	Plaster the open space above the beam to the roof maintaining the same wall thickness of the existing wall	43.20	m2		$ -
4.2.5	Internal wall Paint: 1 coat of emulsion under coat, finish with 3 coats of matte vinyl paint in soft white	349.60	m2		$ -
4.2.6	External wall Paint: 1 coat of weather guard under coat, finish with 3 coats of wather guard paint in smoked grey including the roughcast	126.42	m2		$ -
4.2.7	300mm x 10mm rendered skirt, thick cement sand plaster (1:4), with steel trowelled, finish.	43.20	m		$ -
4.2.8	3 coats of bituminous paint for 300mm rendered skirt internal	62.60	m		$ -
4.2.9	3 coats of bituminous paint for 300mm rendered skirt external	43.20	m		$ -
	Verandah Finishes				
4.3.0	Sand existing metal 3m high HS 150mmx100mm x 3 mm thick verandah pillars, paint with 2 coats of antirust paint and one coat of enamel paint.	1.00	Nr		$ -
	Floor Finishes				
	Cement and sand (1:3) screeds and pavings: one coat: steel trowel finish				
4.3.1	Apply 25mm thick cement sand screed with redoxide cement nirror floor finishing.	101.33	m2		$ -

ITEM	DESCRIPTION	QTY	UNIT	RATE (USD)	AMOUNT (USD)
BILL NO. 5	**REHABILITATION OF MUSIC AND DANCE THEATRE BLOCK-LOKO LOKO SECONDARY SCHOOL**				**$ -**
5.1.1	Site clearance and removal of debris from site as directed	84.00	m2		$ -
5.1.2	Remove existing plaster for the blackboard surfaces, prepare wall surface to receive new blackboard plaster.	6.00	m2		$ -
5.1.3	Hack out the existing floor screed for classrooms and corridor area ,wheel and deposit debris as directed by IOM engineer . prepare the exposed slab to receive new cm screed.	144.72	m2		$ -
5.1.4	Fill the annular open space in between wall plate and roof covering with masonary works to enclose the opening ,render the wall from both sides to flush with exising wall dimension.	2.88	m3		$ -
5.1.5	Construct access ramp with hand rails and a slope of 8% as shall be directed by the IOM Engineer as per the ToR. Min 1.5 m wide ramp, C-20 plain concrete footing min 250mm x 100mm thick, 200mm thick brick plinth wall min 250mm deep, backfilling, concrete C-20 (1:2:4) slab vibrated with a minimum concrete thickness of 100mm at all points with reinforced Mesh; B.S. A142 including bends, tying wire and spacing blocks. Finish with 40 mm floor screed.	1.00	Lump Sum		$ -
	DOORS AND WINDOWS				
	Note: All doors and windows to be supplied and fixed as per the details provided. Doors and windows to be sized to fit existing door/window frames as measured on site. All iron Mongery that has not been measured separately shall be priced together with the corresponding door/window and Correct all the doors and windows reveals.				
	Doors				
	High quality metallic door frames and single shutters of light quality metal (2mm thick plate); 0.3m long door handle of 40mm diameter GI pipe installed at height of 0.8m from the base of the door, 3 no 4" hinges, external and internal locking mechanism installed at 0.75m from the base of door (lever handle locking system) and hardware for installation. Painted with 2 coats of antirust paint & one coat of enamel paint (IOM blue)				
5.1.6	Single Steel door frame and shutter to fit structural opening size 1000mm x 2400mm high	2.00	Nr		$ -
	Windows				
	High quality metallic window frames and double shutters of light quality metal frames and transparent sheet glass ; steel pull-push bar handle with internal locking mechanism and hardware for installation. Painted with 2 coats of antirust paint & one coat of enamel paint (IOM blue)				
5.1.7	Double shutter Windows to fit existing window frames as measured on site 1200mm x 1000mm with 4mm clear/transparent sheet glass with glazing to metal casement panes 0.1-0.5 mm2 with tropical glazing putty	6.00	Nr		$ -
	ROOF AND RAIN WATER DISPOSAL				
	FINISHES				
5.1.8	Multifit multipurpose external and concealed standard fascia board welded to 75 x 50mm steel rafters edges: all complete with approved screws specified. paint with 2 coats of antirust paint and one coat of enamel paint.	24	m		$ -
5.1.9	Supply and install 6" (150mm) dia. and 4mm thick PVC gutter and all the down pipe fittings, screwed on 25 x 225mm wooden fascia board with support bracket placed at 2000mm c/c	24.00	m		$ -

5.1.10	Sand existing metal 75mmx40mm x 3 mm thick roof trusse, paint with 2 coats of antirust paint and one coat of enamel paint.	1.00	lump sum		$ -
	Wall Finishes				
	The following for Chalkboards (size 2.5m x 1.2m high) in each classroom				
5.1.11	Reconstruct the blackboards (size 2.5m x 1.2m high) in each classroom, 20mm thick internal lime plaster and Prepare plaster surface and apply three coats of black bituminous mastic paint for the undercoat and finish with three layers of gloss oil paint to blackboard surfaces	6.00	m2		$ -
	Internal and external Walls: 15mm thick cement sand plaster (1:4), with steel trowelled finish. *Paint: 1 coat of emulsion under coat on all walls. For interior walls, finish with 3 coats of matte vinyl paint in soft white. For exterior walls, finish with 3 coats of emulsion wather guard paint in smoked grey*				
5.1.12	Build a 225mm parapet wall on to opposite cable ends bedded in mix 1:3	16.2	m		$ -
5.1.13	Ditto Plaster 25mm, to both sides of parapet wallcm 1:3.	12.60	m2		$ -
5.1.14	Plaster 25mm, cm 1:3 Chalkboard	6.00	m2		$ -
5.1.15	Repair 15% damaged external plaster properly finish with wooden float ready to receive paint	20.97	m2		$ -
5.1.16	Repair 15% damaged internal plaster properly finish with wooden float ready to receive paint	28.86	m2		$ -
5.1.17	Internal wall Paint: 1 coat of emulsion under coat, finish with 3 coats of matte vinyl paint in soft white	139.80	m2		$ -
5.1.18	External wall Paint: 1 coat of weather guard under coat, finish with 3 coats of wather guard paint in smoked grey including the roughcast	192.40	m2		$ -
5.1.19	300mm x 10mm rendered skirt, thick cement sand plaster (1:4), with steel trowelled, finish.	42.00	m		$ -
5.1.20	3 coats of bituminous paint for 300mm rendered skirt	42.00	m		$ -
	Floor Finishes				
	Cement and sand (1:3) screeds and pavings: one coat: steel trowel finish				
5.1.21	Apply 25mm thick cement sand screed in the classrooms.	125.12	m2		$ -
5.1.22	Repair damaged external plastered platform properly finish with wooden float ready to receive bituminous paint.	19.60	m2		$ -
5.1.23	Apply 25mm thick cement sand screed on the platform.	19.60	m2		$ -
BILL NO. 6	**BOQ FR CONSTRUCTION OF LOKOLOKO PHCC - PERIMETER WALL FENCE - 100m x 100m**				**$ -**
6.0	**SUBSTRUCTURE**				**$ -**
	Excavation				$ -
6.1.1	Site clearance and removal of debris from site as directed, 2m wide from the centerline of the fence on both side.	1,600.00	**m2**		$ -
6.1.2	Excavate strip foundation trenches not exceeding 0.6m wide by 0.7m deep starting from stripped level.	155.98	**m3**		$ -
6.1.3	Ditto: Column C1 bases 1200mm x1200mmx 700mm	6.05	**m3**		$ -
6.1.4	Ditto: Column C2 bases 600mm x600mmx 700mm	7.06	**m3**		$ -
	Backfilling				
6.1.5	Return, fill in and ram selected excavated material around foundations	80.00	**m3**		$ -
	Disposal of Surplus spoils				
6.1.6	Load and cart away surplus material from site to an approved dumping site	88.00	**m3**		$ -
	Crushed stone fill				
6.1.7	400mm thick hardcore (crushed stone) built to height of 200mm above GL with mortar of mix 1:3 with provision of 3" weep holes installed with 3" pvc pipe at every 4m interval on the slopy side.	112.00	**m3**		$ -
	Damp Proofing				
6.1.8	1000 gauge polythene sheet damp proof membrane: to plinth level: laid on blinded smooth finished hardcore bed with 300mm side and end laps to receive brick wall	120.00	**m2**		$ -
	Concrete work in substructure				
	Plain concrete Grade M10 (mix 1:3:6)				
6.1.9	50mm Thick surface blinding under strip foundations	12.00	**m3**		$ -
6.1.10	Ditto: Under column bases	7.84	**m3**		$ -
	In Situ concrete Grade M20 (1:1.5:3), vibrated and reinforced as described, in:-				
6.1.11	Column bases/footing	5.31	**m3**		$ -
6.1.12	Columns in foundations (six of size 400mmx400mm) and (twenty eight of size 200mmx200mm)	1.46	**m3**		$ -
6.1.13	Ground beam (200x200 thick)mm	16.00	**m3**		$ -
	Reinforcement in substructure				
	High tensile steel reinforcement to B.S. 4461 in structural concrete work including cutting, bending, hoisting, fixing, tying wire and spacing blocks				
6.1.14	8mm diameter bars	96.44	**kg**		$ -
6.1.15	12mm diameter bars	209.98	**kg**		$ -
	Sawn formwork to:-				
6.1.16	Vertical sides of footing and columns bases	96.14	**m2**		$ -
6.1.17	Edges of 200mm high ground beam and ramp	254.52	**m2**		$ -
	Foundation walling				
6.1.18	Stone masonry walling 400mm thick with minimum comprehensive strength of 7.0N/mm2;bedded and jointed in cement sand (1:3) mortar	277.20	**M2**		$ -
	Plinths				
6.1.19	12 mm thick cement : sand (1:3) plaster to plinth	277.20	**m2**		$ -
6.1.20	Prepare and apply one priming coat and two coats of black bitumastick paint on rendered plinths	277.20	**m2**		$ -
6.2	**STRUCTURAL FRAME**				**$ -**
	Concrete work in superstructure: In Situ concrete Grade M20 (1:1.5:3), vibrated and reinforced as described, in:-				
6.2.1	Column (400mmx400mm) for corners and gate;	2.40	**m3**		$ -
6.2.2	Ditto (200mmx200mm) intermediate columns	2.69	**m3**		$ -
	Reinforcement				
	High tensile steel reinforcement to B.S. 4461 in structural concrete work including cutting, bending, hoisting, fixing, tying wire and spacing blocks				

6.2.3	8mm diameter bars	225.62	**kg**		$ -
6.2.4	12mm diameter bars	327.83	**kg**		$ -
	Sawn formwork to:-				
6.2.5	Vertical sides of columns (200X200 & 400X400m)	130.37	**m2**		$ -
.	***Walling***				
6.2.6	Three- ply bituminous felt damp proof course bedded in cement and sand (1:4) mortar (measured nett allow for 300mm laps):- 200mm wide	400.00	**m**		$ -
6.2.7	200mm thick walls, including provisions for supply and installation of weep holes with 3" PVC pipe at 10 m intervals as required based on the ground slope	740.70	**m2**		$ -
6.3	**GATES & DOORS & RAZOR WIRE INSTALLATION**				**$ -**
	Note: All gates and 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 item				
6.3.1	Double leaf shutter Steel sliding main gate with inbuilt pedestrian gate (900mm x2000mm) to fit structural opening size 4000mm x 2300mm high: RHS steel shutter frame 100mm x 50mm x 2mm, attached to concrete column with 2 inch bearing on top, Painted with 2 coats of antirust paint & one coat of blue enamel paint. Each gate leaf shall have 4 inch rollers welded and spaced at 1.5m C/C rolling on plain Y10 welded on cast angle bar 75x75x3mm	1.00	**Nr**		$ -
6.3.2	Single leaf access for pedestrian to the western side to fit structural opening of 900mm by 2000mm high: RHS steel frame 100mmx50mmx2mm attached to concrete column with heavy duty hinges, painted with 2 coats of antirust paint and one coat of blue enamel paint.	1.00	**Nr**		$ -
6.3.3	Construct an access ramp for pedestrian access at a slope of 5% on both sides of the perimeter wall, as shall be directed by the site Engineer; Min 1.5 m wide ramp, In Situ concrete Grade M20, vibrated with a minimum concrete thickness of 100mm at all points with reinforced Mesh; B.S. 4483 weighing 2.22 kgs per square meter including bends, tying wire and spacing blocks.	1.00	**Lump Sum**		$ -
6.3.4	Install 300mm long metal spikes on top horizontal bar of each gate leaf (main and access gate) at interval 1.5m. The spikes to form V-shape which shall be used to support installation of razor wire (400mmØ) over the gate. painted with 2 coats of antirust paint and one coat of blue enamel paint.	1.00	**Nr**		$ -
6.3.5	Install one Y-shaped 50x50x3mm iron angle bars with 300mm lower part of Y embedded into the top of brick fence wall and concreted. The V-shape part of the Y to extend 300mm either way each 300mm apart and to have 2 holes drilled on each side to receive 400mm razor wire. The Y-shaped bars to be installed at 2m intervals all round the 396m long brick fence wall, painted with 2 coats of antirust paint and one coat of blue enamel paint.	1.00	**Nr**		$ -
	Razor wire construction, 400mm diam, 8 meters stretching length tie with white binding wire on to tension wire fixed to angle bar V shaped 30x30x3mm equal	400.00	**m**		$ -
6.4	**FINISHES**				**$ -**
	Walls				
6.4.1	Top of Walls finishes Cement and sand (1:3) - 15mm thick wall plaster and 150mm wide coping on either sides.	118.80	**m2**		$ -
6.4.2	Paint: 1 coat of emulsion under coat on top of walls, finish with 3 coats of emulsion weather guard paint in smoked grey;	118.80	**m2**		$ -
6.4.3	Internal Wall finishes Cement and sand (1:3) - 15mm thick wall plaster and 150mm wide coping on either sides.	950.40	**m2**		$ -
6.4.4	Paint: 1 coat of emulsion under coat on interior walls, finish with 3 coats of emulsion weather guard paint in smoked grey;	950.40	**m2**		$ -
6.4.5	For exterior walls, apply rough cast slurry (black oxide), 9mm thick, as shall be directed by the site Engineer	950.40	**m2**		$ -
BILL NO. 6B	**BOQ FOR CONSTRUCTION OF CHAINLINK FENCE (100X40M) WITH PEDESTAL ACCESS GATE AT LOKOLOKO PHCC AREA OF THE TOMB**				**$ -**
	Notes:				
	1. Chainlink fence all around the site- Approx. 180metres perieter chain link				
	Chainlink fencing				
6B.1	**Excavation**				**$ -**
6B.1.1	Excavate for stub-columns not exceeding 1000mm from ground level and cart away arisings (average depth 0.5m and size 0.3x0.3m)	3.23	m3		$ -
6B.1.2	Remove and cart away from site surplus excavated material as directed	3.23	m3		$ -
6B.2	**Mass concrete class M15(1:2:4):-**				**$ -**
	Mass concrete blinding grade M10 (1:3:6) :-				
6B.2.1	50mm thick strip base [100mm wide]	0.9	m3		$ -
	Insitu concrete Grade M20, vibrated and reinforced as described, in:-				
6B.2.2	Column bases and Sub-columns below ground level	3.23	m3		$ -
	Sawn formwork to:-				
6B.2.3	Vertical sides of strip base [0-75mm girth]	8	m2		$ -
6B.2.4	Vertical sides of column bases	56	m2		$ -
6B.3	**Columns**				**$ -**
	Note: Rate for steel shall include all necessary welding, cutting, joining members, drilling holes and paint work				
	All steel sections to be thoroughly cleaned and phosphatized to resist corrosion before receiving 2 undercoats of brown rust inhibiting primer, 2 oats of matt white oil paint and finished with 2 coats of premium quality oil based acrylic paint of approved colour				
6B.3.1	50x50x4mm Thick rolled steel angle column posts; fixed into 500mm deep concrete bases (concrete bases measured separately) [Total of 93 no. Angle posts each approx. 2.6m long]	242	m		$ -
6B.3.2	Extra for diagonal bracing cables of corner/ end posts, approximately 4250mm long each	32	Nr		$ -
	Steel angle coping				
6B.3.3	50x50x4mm Thick rolled steel angle copping plate welded on top of steel posts (measured separately)	93	Nr		$ -
6B.3.4	40x40x3mm rolled steel angle top rail welded	180	m		$ -
	Chain-link				

6B.3.5	Supply and fix 2000mm high galvanised chain-link fencing (diamond wire mesh), opening 50x50mm, wire 3mm, tied to steel heavy duty chain-link fencing fixed on steel angle columns at 1500mm centres (columns measured separately)	180	m		$	-
	Razor wire on top of pedestal access gate					
6B.3.9	Single leaf gate overall size 1200x2000mm high; comprising heavy duty slide bolt assembled with 4mm thick steel hasp and padlock; 1No. Tower bolt	1	Nr		$	-
BILL NO. 7	**BoQ FOR CONSTRUCTION OF 3-STANCE LATRINE WITH WASHROOM ATTACHED AT LOKO LOKO PHCC FOR FEMALE**				**$**	**-**
7B.1	**SUBSTRUCTURE - 1 Latrine Block, 3 Stances and washroom attached**				**$**	**-**
	Excavation and Earthwork (Provisional)					
7B.1.1	Site clearance and removal of debris from site as directed	134.45	m2		$	-
7B.1.2	Excavate loose top soil average 200 deep from ground level and wheel and deposit on site as directed	134.45	m2		$	-
7B.1.3	Manual-Mass excavation for latrine pit not exceeding 1.5m deep starting from Ground level	24.00	m3		$	-
7B.1.4	Ditto exceeding 1.5-3.0m depth starting from stripped level	24.00	m3		$	-
7B.1.5	Excavate in soft material for foundation trenches and column bases not exceeding 1.8m depth starting from stripped level and 60 cm wide	21.11	m3		$	-
7B.1.6	Excavate in soft material for ramp trenches not exceeding 600mm depth	8.64	m3		$	-
	Disposal of surplus spoils				$	-
7B.1.7	Load and cart away surplus material from site to an approved dumping site	77.75	m3		$	-
	Selected filling					
7B.1.8	200mm Thick hardcore fillings compacted in layers not exceeding 100mm deep and well watered under lobby ground slab and ramps	8.83	m3		$	-
7B.1.9	500mm Thick compacted selected fill to grade natural soil	7.67	m3		$	-
	Damp proof membrane					
7B.1.10	1000 gauge polythene or other equal and approved damp proof membrane laid under surface bed with 300mm side and end laps (measured net- allow for laps)	55.41	m2		$	-
	Concrete work in substructure					
	Plain concrete class 10 (mix 1:3:6)					
7B.1.11	50mm Thick surface blinding under strip foundation and bottom pit	1.30	m3		$	-
7B.1.12	Ditto for columns bases	0.22	m3		$	-
7B.1.13	Ditto for ramps	0.72	m3		$	-
	Insitu concrete class 25/20, vibrated and reinforced as described, in:-					
7B.1.14	Foundation strip (250mm thick)	2.48	m3		$	-
7B.1.15	Intermediate beams (200mm thick)	0.91	m3		$	-
7B.1.16	Column Bases (250mm thick)	1.08	m3		$	-
7B.1.17	Columns (substructure)	1.16	m3		$	-
7B.1.18	150mm thick ground floor slab over the pit and 100mm on the walk way	4.95	m3		$	-
7B.1.19	Ground beams (300mm thick by 200mm wide)	2.12	m3		$	-
7B.1.20	Ramp (minimum 100mm thick)	2.88	m3		$	-
7B.1.21	100mm thick bottom pit slab of concrete reinforced with mesh	1.60	m3		$	-
	Reinforcement for Substructure					
	High tensile steel reinforcement to B.S. 4461 in structural concrete work including cutting, bending, hoisting, fixing, tying wire and spacing blocks					
7B.1.22	8 mm diameter bars	146.83	kg		$	-
7B.1.23	10 mm diameter bars	383.63	kg		$	-
7B.1.24	12 mm diameter bars	461.38	kg		$	-
7B.1.25	16 mm diameter bars	0.00	kg		$	-
	Mesh reinforcement ; B.S. 4483 Ref A142 weighing 2.22 kgs per square meter including bends, tying wire and spacing blocks					
7B.1.26	Fabric mesh reinforcement for ground floor, ramp and bottom pit slab	30.40	m2		$	-
	Sawn formwork to:-					
7B.1.27	Horizontal sides of Intermediate beam 200x200-Axes A&B)@-1.4	10.42	m2		$	-
7B.1.28	Horizontal sides of foundation strip	4.13	m2		$	-
7B.1.29	Horizontal sides of ground beams and floor slabs	29.74	m2		$	-
7B.1.30	Edge of ramps	5.28	m2		$	-
	Foundation Walling					
	Solid concrete block walling (mix 1:3:6); bedded, load bearing 7N/mm², jointed and pointed in cement sand (1:3) mortar; reinforced with hoop iron after every alternate course.					
7B.1.31	200mm Thick walling for pit	61.88	m2		$	-
7B.1.32	200mm thick plinth	38.30	m2		$	-
	Plastering and Painting					
7B.1.33	12 mm thick cement : sand (1:3) plaster to walling	92.04	m2		$	-
	Sundries					
7B.1.34	Allow for making squat hole openings in 150 mm slab	3.00	nr		$	-
7B.1.35	Ditto for making 600 x600 mm openings in 150 mm slab for manhole.	1.00	nr		$	-
BILL NO. 7B.2	**SUPERSTRUCTURE - 1 Latrine Block, 3 Stances and washroom attached**				**$**	**-**
7B.2.1	***Reinforced Concrete***					
	Insitu concrete class 25/20 , vibrated and reinforced as described, in:-					
7B.2.2	Ring beam	1.60	m3		$	-
7B.2.3	Columns (superstructure)	0.61	m3		$	-
	Reinforcement					
	High tensile steel reinforcement to B.S. 4461 in structural concrete work including cutting, bending, hoisting, fixing, tying wire and spacing blocks					
7B.2.4	8 mm diameter bars	100.05	kg		$	-
7B.2.5	12 mm diameter bars	302.74	kg		$	-
	Formwork					
	Formwork in sawn finish at any level to:-					
7B.2.6	Sides and soffits of ring beams	24.07	m2		$	-
7B.2.7	Columns C1 &C2	16.20	m2		$	-
	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):-	31.10	m		$ -
	Solid concrete block walling (mix 1:3:6); bedded, load bearing 7N/mm², jointed and pointed in cement sand (1:3) mortar; reinforced with hoop iron after every alternate course.				
7B.2.8	150mm Thick walls for toilet and curtain	64.60	m2		$ -
BILL NO. 7B.3	**ROOF AND RAIN WATER DISPOSAL - 1 Latrine Block, 3 Stances and washroom attached**				**$ -**
	Contractor to allow for hoisting and all angle brackets or gusset plates, bolts, cleats, fish tailing lugs, drilling holes and the likes for fixing members to position as per the details provided.		Note		
	Roof Construction				
	Unframed mild steel including hoisting and fixing in position and including drilling holes, all necessary welding, bolts plates/gusset plates and other jointing whether or not specifically described herein or shown on the drawing and with one coat of red oxide primer after erection.(see the drawings)				
7B.3.1	100 x 50 x 2mm thick Z-purlins securely fixed onto the steel trusses (MS) at 900mm c/c spacing including all the welding, straining, surface preparation and hoisting into position	36.40	m		$ -
7B.3.2	16mm diam anchor bolts L=250 to be welded on steel	12.00	Nr		$ -
7B.3.3	240x150x6mm plate (fillet weld of 6mm thick) welded to the truss and column	12.00	Nr		$ -
7B.3.4	100x60x3mm RHS Rafter/top chord including all the welding, straining, surface preparation and hoisting into position	20.90	m		$ -
	100x60x3mm RHS Tie beam/bottom chord including all the welding, straining, surface preparation and hoisting into position	19.40	m		$ -
	Roof Covering				
7B.3.5	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 separately) and rubber caping to tops of bolts	47.54	m2		$ -
	Rain Water Disposal				
	Supply and fix rain water system including the all accessories required to manufacturer's instructions.				
7B.3.6	250x350 GMS 2mm thick gutter on both sides of the roof eave	18.20	m		$ -
7B.3.7	Rainwater outlets with nozzle for 100mm rainwater down pipe outlet.	1.00	Nr		$ -
7B.3.8	1000L Plastic tank including plumbing work (pipe connections and taps)	1.00	lump sum		$ -
7B.3.9	Water tank concrete plinth construction including supply and installation of all materials and labour	1.00	lump sum		$ -
7B.3.10	Soak pit construction including supply and installation of all materials and labour	1.00	lump sum		$ -
7B.3.11	Storm water drainage	25.50	m		$ -
BILL NO. 7B.4	**DOORS, WINDOWS, FINISHES, PLUMBING - 1 Latrine Block, 3 Stances and washroom**				**$ -**
	Doors				
	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.				
7B.4.1	Door D1 90x237cm - RHS steel frame 40mm x 40 mm x 2mm painted with 2 coat of antirust paint and 1 coat of enamel paint with door leaf 180D opening made of 0.5mm flat metal pane with burglar proofing (RHS 25x25x2mm vertical steel bars at equal intervals welded to frame on the interior side. Louvers is 0.5mm thick welded at to frame.	3.00	Nr		$ -
7B.4.2	Door D2 110x237cm - RHS steel frame 40mm x 40 mm x 2mm painted with 2 coat of antirust paint and 1 coat of enamel paint with door leaf 180D opening made of 0.5mm flat metal pane with burglar proofing (RHS 25x25x2mm vertical steel bars at equal intervals welded to frame on the interior side. Louvers is 0.5mm thick welded at to frame.	1.00	Nr		$ -
7B.4.3	Door D3 100x210cm - RHS steel frame 40mm x 40 mm x 2mm painted with 2 coat of antirust paint and 1 coat of enamel paint with door leaf 180D opening made of 0.5mm flat metal pane with burglar proofing (RHS 25x25x2mm vertical steel bars at equal intervals welded to frame on the interior side. Louvers is 0.5mm thick welded at to frame.	1.00	Nr		$ -
	Windows				
7B.4.4	600x600mm high windows, RHS steel frame 40x40x2mm painted with 2 coats of antirust paint & one coat of enamel paint with steel louvers	4.00	Nr		$ -
	Finishes				
	Floor finishes				
	Insitu cement and sand (1:3) screed				
7B.4.5	50mm thick screed for floor and ramp	38.18	m2		$ -
	Wall Finishes				
	Internal and external Walls: 12mm thick cement sand plaster, with steel trowelled finish, as described to:-				
7B.4.6	Internal wall plaster	88.66	m2		$ -
7B.4.7	External wall plaster	57.84	m2		$ -
	Miscellaneous				
7B.4.8	Manhole Cover (supply and form concrete for 600x600x10mm RC cover)	1.00	Nr		$ -
	Plumbing installations				
7B.4.9	PSN Seat attached with handrails support, casted with concrete and finished with tiles with pvc corner strips (400mm x 300mm x 400mm).	1.00	Nr		$ -
	Supply and install handwash basin and 50l water bucket with its drainage (refer to hand wash details on the drawing)	1.00	lump sum		$ -
7B.4.10	Well finished squat hole with foot rest	2.00	Nr		$ -
7B.4.11	Handrails for length of ramps (on both sides	1.00	Pairs		$ -
7B.4.12	Vent-pipe	1.00	Item		$ -
BILL NO. 8	**BoQ FOR CONSTRUCTION OF 4-STANCE LATRINE WITH URINAL AT LOKO LOKO SECONDARY SCHOOL FOR BOYS**				**$ -**
8B.1	**SUBSTRUCTURE - 1 Latrine Block, 4 Stances with urinal for Boys at Loko loko secondary school**				**$ -**
	Excavation and Earthwork (Provisional)				
8B.1.1	Site clearance and removal of debris from site as directed	134.45	m2		$ -

8B.1.2	Excavate loose top soil average 200 deep from ground level and wheel and deposit on site as directed	134.45	m2		$	-
8B.1.3	Manual-Mass excavation for latrine pit not exceeding 1.5m deep starting from Ground level	24.00	m3		$	-
8B.1.4	Ditto exceeding 1.5-3.0m depth starting from stripped level	24.00	m3		$	-
8B.1.5	Excavate in soft material for foundation trenches and column bases not exceeding 1.8m depth starting from stripped level and 60 cm wide	21.11	m3		$	-
8B.1.6	Excavate in soft material for ramp trenches not exceeding 600mm depth	8.64	m3		$	-
	Disposal of surplus spoils				$	-
8B.1.7	Load and cart away surplus material from site to an approved dumping site	77.75	m3		$	-
	Selected filling					
8B.1.8	200mm Thick hardcore fillings compacted in layers not exceeding 100mm deep and well watered under lobby ground slab and ramps	8.83	m3		$	-
8B.1.9	500mm Thick compacted selected fill to grade natural soil	7.67	m3		$	-
	Damp proof membrane					
8B.1.10	1000 gauge polythene or other equal and approved damp proof membrane laid under surface bed with 300mm side and end laps (measured net- allow for laps)	55.41	m2		$	-
	Concrete work in substructure					
	Plain concrete class 10 (mix 1:3:6)					
8B.1.11	50mm Thick surface blinding under strip foundation and bottom pit	1.30	m3		$	-
8B.1.12	Ditto for columns bases	0.22	m3		$	-
8B.1.13	Ditto for ramps	0.72	m3		$	-
	Insitu concrete class 25/20, vibrated and reinforced as described, in:-					
8B.1.14	Foundation strip (250mm thick)	2.48	m3		$	-
8B.1.15	Intermediate beams (200mm thick)	0.91	m3		$	-
8B.1.16	Column Bases (250mm thick)	1.08	m3		$	-
8B.1.17	Columns (substructure)	1.16	m3		$	-
8B.1.18	150mm thick ground floor slab over the pit and 100mm on the walk way	4.95	m3		$	-
8B.1.19	Ground beams (300mm thick by 200mm wide)	2.12	m3		$	-
8B.1.20	Ramp (minimum 100mm thick)	2.88	m3		$	-
8B.1.21	100mm thick bottom pit slab of concrete reinforced with mesh	1.60	m3		$	-
	Reinforcement for Substructure					
	High tensile steel reinforcement to B.S. 4461 in structural concrete work including cutting, bending, hoisting, fixing, tying wire and spacing blocks					
8B.1.22	8 mm diameter bars	146.83	kg		$	-
8B.1.23	10 mm diameter bars	383.63	kg		$	-
8B.1.24	12 mm diameter bars	461.38	kg		$	-
8B.1.25	16 mm diameter bars	0.00	kg		$	-
	Mesh reinforcement ; B.S. 4483 Ref A142 weighing 2.22 kgs per square meter including bends, tying wire and spacing blocks					
8B.1.26	Fabric mesh reinforcement for ground floor, ramp and bottom pit slab	30.40	m2		$	-
	Sawn formwork to:-					
8B.1.27	Horizontal sides of Intermediate beam 200x200-Axes A&B)@-1.4	10.42	m2		$	-
8B.1.28	Horizontal sides of foundation strip	4.13	m2		$	-
8B.1.29	Horizontal sides of ground beams and floor slabs	29.74	m2		$	-
8B.1.30	Edge of ramps	5.28	m2		$	-
	Foundation Walling					
	Solid concrete block walling (mix 1:3:6); bedded, load bearing 7N/mm², jointed and pointed in cement sand (1:3) mortar; reinforced with hoop iron after every alternate course.					
8B.1.31	200mm Thick walling for pit	61.88	m2		$	-
8B.1.32	200mm thick plinth	38.30	m2		$	-
	Plastering and Painting					
8B.1.33	12 mm thick cement : sand (1:3) plaster to walling	92.04	m2		$	-
	Sundries					
8B.1.34	Allow for making squat hole openings in 150 mm slab	3.00	nr		$	-
8B.1.35	Ditto for making 600 x600 mm openings in 150 mm slab for manhole.	1.00	nr		$	-
BILL NO. 8B.2	**SUPERSTRUCTURE - 1 Latrine Block, 4 Stances for boys**				**$**	**-**
8B.2.1	***Reinforced Concrete***					
	Insitu concrete class 25/20 , vibrated and reinforced as described, in:-					
8B.2.2	Ring beam	1.60	m3		$	-
8B.2.3	Columns (superstructure)	0.61	m3		$	-
	Reinforcement					
	High tensile steel reinforcement to B.S. 4461 in structural concrete work including cutting, bending, hoisting, fixing, tying wire and spacing blocks					
8B.2.4	8 mm diameter bars	100.05	kg		$	-
8B.2.5	12 mm diameter bars	302.74	kg		$	-
	Formwork					
	Formwork in sawn finish at any level to:-					
8B.2.6	Sides and soffits of ring beams	24.07	m2		$	-
8B.2.7	Columns C1 &C2	16.20	m2		$	-
	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):-	31.10	m		$	-
	Solid concrete block walling (mix 1:3:6); bedded, load bearing 7N/mm², jointed and pointed in cement sand (1:3) mortar; reinforced with hoop iron after every alternate course.					
8B.2.8	150mm Thick walls for toilet and curtain	64.60	m2		$	-
BILL NO. 8B.3	**ROOF AND RAIN WATER DISPOSAL - 1 Latrine Block, 4 Stances for boys**				**$**	**-**
	Contractor to allow for hoisting and all angle brackets or gusset plates, bolts, cleats, fish tailing lugs, drilling holes and the likes for fixing members to position as per the details provided.		Note			
	Roof Construction					

	Unframed mild steel including hoisting and fixing in position and including drilling holes, all necessary welding, bolts plates/gusset plates and other jointing whether or not specifically described herein or shown on the drawing and with one coat of red oxide primer after erection.(see the drawings)					
8B.3.1	100 x 50 x 2mm thick Z-purlins securely fixed onto the steel trusses (MS) at 900mm c/c spacing including all the welding, straining, surface preparation and hoisting into position	36.40	m		$	-
8B.3.2	16mm diam anchor bolts L=250 to be welded on steel	12.00	Nr		$	-
8B.3.3	240x150x6mm plate (fillet weld of 6mm thick) welded to the truss and column	12.00	Nr		$	-
8B.3.4	100x60x3mm RHS Rafter/top chord including all the welding, straining, surface preparation and hoisting into position	20.90	m		$	-
	100x60x3mm RHS Tie beam/bottom chord including all the welding, straining, surface preparation and hoisting into position	19.40	m		$	-
	Roof Covering					
8B.3.5	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 separately) and rubber caping to tops of bolts	47.54	m2		$	-
	Rain Water Disposal					
	Supply and fix rain water system including the all accessories required to manufacturer's instructions.					
8B.3.6	250x350 GMS 2mm thick gutter on both sides of the roof eave	18.20	m		$	-
8B.3.7	Rainwater outlets with nozzle for 100mm rainwater down pipe outlet.	1.00	Nr		$	-
8B.3.8	1000L Plastic tank including plumbing work (pipe connections and taps)	1.00	lump sum		$	-
8B.3.9	Water tank concrete plinth construction including supply and installation of all materials and labour	1.00	lump sum		$	-
8B.3.10	Soak pit construction including supply and installation of all materials and labour	1.00	lump sum		$	-
8B.3.11	Storm water drainage	25.50	m		$	-
BILL NO. 8B.4	**DOORS, WINDOWS, FINISHES, PLUMBING - 1 Latrine Block, 4 Stances and Urinal for boys**				**$**	**-**
	Doors					
	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.					
8B.4.1	Door D1 90x237cm - RHS steel frame 40mm x 40 mm x 2mm painted with 2 coat of antirust paint and 1 coat of enamel paint with door leaf 180D opening made of 0.5mm flat metal pane with burglar proofing (RHS 25x25x2mm vertical steel bars at equal intervals welded to frame on the interior side. Louvers is 0.5mm thick welded at to frame.	3.00	Nr		$	-
8B.4.2	Door D2 110x237cm - RHS steel frame 40mm x 40 mm x 2mm painted with 2 coat of antirust paint and 1 coat of enamel paint with door leaf 180D opening made of 0.5mm flat metal pane with burglar proofing (RHS 25x25x2mm vertical steel bars at equal intervals welded to frame on the interior side. Louvers is 0.5mm thick welded at to frame.	1.00	Nr		$	-
8B.4.3	Door D3 100x210cm - RHS steel frame 40mm x 40 mm x 2mm painted with 2 coat of antirust paint and 1 coat of enamel paint with door leaf 180D opening made of 0.5mm flat metal pane with burglar proofing (RHS 25x25x2mm vertical steel bars at equal intervals welded to frame on the interior side. Louvers is 0.5mm thick welded at to frame.	1.00	Nr		$	-
	Windows					
8B.4.4	600x600mm high windows, RHS steel frame 40x40x2mm painted with 2 coats of antirust paint & one coat of enamel paint with steel louvers	4.00	Nr		$	-
	Finishes					
	Floor finishes					
	Insitu cement and sand (1:3) screed					
8B.4.5	50mm thick screed for floor and ramp	38.18	m2		$	-
	Wall Finishes					
	Internal and external Walls: 12mm thick cement sand plaster, with steel trowelled finish, as described to:-					
8B.4.6	Internal wall plaster	88.66	m2		$	-
8B.4.7	External wall plaster	57.84	m2		$	-
	Miscellaneous					
8B.4.8	Manhole Cover (supply and form concrete for 600x600x10mm RC cover)	1.00	Nr		$	-
	Plumbing installations					
8B.4.9	PSN Seat attached with handrails support, casted with concrete and finished with tiles with pvc corner strips (400mm x 300mm x 400mm).	1.00	Nr		$	-
	Construct a masonry urinal channel 3.7m long with channel width 0.15m having 1.2% slop and install 2 tanks each of 50l drained into the pit. Refer the details on the drawing	1.00	lump sum		$	-
	Supply and install handwash basin and 50l water bucket with its drainage (refer to hand wash details on the drawing)	1.00	lump sum		$	-
8B.4.10	Well finished squat hole with foot rest	2.00	Nr		$	-
8B.4.11	Handrails for length of ramps (on both sides	1.00	Pairs		$	-
8B.4.12	Vent-pipe	1.00	Item		$	-

ITEM	DESCRIPTION	QTY	UNIT	RATE (USD)	AMOUNT (USD)
BILL NO. 9	**BOQ FOR CONSTRUCTION OF 1 LATRINE BLOCK OF 2 STANCES WITH URINAL FOR TEACHERS AT LOKO LOKO SECONDARY SCHOOL**				**$ -**
BILL NO. 9.0	**SUBSTRUCTURE - 1 Latrine Block, 2 Stances with urinal for teachers at Loko loko seconday school**				**$ -**
9.1	***Excavation and Earthwork (Provisional)***				
9.1.1	Site clearance and removal of debris from site as directed (10m by 6m)	116.85	m2		$ -
9.1.2	Excavate loose top soil average 200 deep from ground level and wheel and deposit on site as directed	116.85	m2		$ -
9.1.3	Manual-Mass excavation for latrine pit not exceeding 1.5m deep starting from Ground level	15.94	m3		$ -
9.1.4	Ditto exceeding 1.5-3.0m depth starting from stripped level	15.94	m3		$ -
9.1.5	Excavate in soft material for foundation trenches and column bases not exceeding 1.8m depth starting from stripped level and 60 cm wide	12.69	m3		$ -
9.1.6	Excavate in soft material for ramp trenches not exceeding 600mm depth	8.64	m3		$ -

	Disposal of surplus spoils					
9.1.8	Load and cart away surplus material from site to an approved dumping site	53.21	m3		$	-
	Selected filling					
9.1.9	200mm Thick hardcore fillings compacted in layers not exceeding 100mm deep and well watered under lobby ground slab and ramps	7.86	m3		$	-
9.1.10	500mm Thick compacted selected fill to grade natural soil	10.65	m3		$	-
	Damp proof membrane					
9.1.11	1000 gauge polythene or other equal and approved damp proof membrane laid under surface bed with 300mm side and end laps (measured net- allow for laps)	45.62	m2		$	-
	Concrete work in substructure					
	Plain concrete class 10 (mix 1:3:6)					
9.1.12	50mm Thick surface blinding under strip foundation and bottom pit	0.90	m3		$	-
9.1.13	Ditto for columns bases	0.22	m3		$	-
9.1.14	Ditto for ramps	0.72	m3		$	-
	Insitu concrete class 25/20, vibrated and reinforced as described, in:-					
9.1.15	Foundation strip (250mm thick)	1.85	m3		$	-
9.1.16	Pit foundation beams (200mm thick)	0.69	m3		$	-
9.1.17	Column Bases (250mm thick)	0.54	m3		$	-
9.1.18	Columns (substructure)	0.72	m3		$	-
9.1.19	150mm thick ground floor slab over the pit and 100mm on the walk way	2.93	m3		$	-
9.1.20	Ground beams (300mm thick by 200mm wide)	1.64	m3		$	-
9.1.21	Ramp (minimum 100mm thick)	2.88	m3		$	-
9.1.22	100mm thick bottom pit slab of concrete reinforced with mesh	1.06	m3		$	-
	Reinforcement for Substructure					
	High tensile steel reinforcement to B.S. 4461 in structural concrete work including cutting, bending, hoisting, fixing, tying wire and spacing blocks					
9.1.23	8 mm diameter bars	109.89	kg		$	-
9.1.24	10 mm diameter bars	293.29	kg		$	-
9.1.25	12 mm diameter bars	382.79	kg		$	-
	Mesh reinforcement ; B.S. 4483 Ref A142 weighing 2.22 kgs per square meter including bends, tying wire and spacing blocks					
9.1.26	Fabric mesh reinforcement for ground floor, ramp and bottom pit slab	27.53	m2		$	-
	Sawn formwork to:-					
9.1.27	Horizontal sides of pit foundation beam	7.94	m2		$	-
9.1.28	Horizontal sides of foundation strip	3.08	m2		$	-
9.1.29	Horizontal sides of ground beams and floor slabs	22.98	m2		$	-
9.1.30	Edge of ramps	5.28	m2		$	-
	Foundation Walling					
	Solid concrete block walling (mix 1:3:6); bedded, load bearing 7N/mm², jointed and pointed in cement sand (1:3) mortar; reinforced with hoop iron after every alternate course.					
9.1.31	200mm Thick walling for pit	36.99	m2		$	-
9.1.32	200mm thick plinth	12.30	m2		$	-
	Damp proof course					
9.1.33	1200 gauge polythene or other equal and approved damp proof membrane laid under 150mm thick walls	30.00	m		$	-
	Plastering and Painting					
9.1.34	12 mm thick cement : sand (1:3) plaster to walling	48.10	m2		$	-
	Sundries					
9.1.35	Allow for making squat hole openings in 150 mm slab	3.00	nr		$	-
9.1.36	Ditto for making 600 x600 mm openings in 150 mm slab for manhole.	1.00	nr		$	-
BILL NO. 9.2	**SUPERSTRUCTURE - 1 Latrine Block, 2 Stances with urinal for boys**				**$**	**-**
	Reinforced Concrete					
	Insitu concrete class 25/20 , vibrated and reinforced as described, in:-					
9.2.1	Ring beam	2.04	m3		$	-
9.2.2	Columns (superstructure)	0.46	m3		$	-
	Reinforcement					
	High tensile steel reinforcement to B.S. 4461 in structural concrete work including cutting, bending, hoisting, fixing, tying wire and spacing blocks					
9.2.3	8 mm diameter bars	100.00	kg		$	-
9.2.4	12 mm diameter bars	299.74	kg		$	-
	Formwork					
	Formwork in sawn finish at any level to:-					
9.2.5	Sides and soffits of ring beams	26.95	m2		$	-
9.2.6	Columns	13.97	m2		$	-
	Walling					
	Solid concrete block walling (mix 1:3:6); bedded, load bearing 7N/mm², jointed and pointed in cement sand (1:3) mortar; reinforced with hoop iron after every alternate course.					
	150mm Thick walls for toilet and curtain	64.00	m2		$	-
9.3	**ROOF AND RAIN WATER DISPOSAL - 1 Latrine Block, 2 Stances with urinal for boys**				**$**	**-**
	Contractor to allow for hoisting and all angle brackets or gusset plates, bolts, cleats, fish tailing lugs, drilling holes and the likes for fixing members to position as per the details provided.		Note			
	Roof Construction					
	Unframed mild steel including hoisting and fixing in position and including drilling holes, all necessary welding, bolts plates/gusset plates and other jointing whether or not specifically described herein or shown on the drawing and with one coat of red oxide primer after erection.(see the drawings)					
9.3.1	100 x 50 x 2mm thick Z-purlins securely fixed onto the steel trusses (MS) at 900mm c/c spacing including all the welding, straining, surface preparation and hoisting into position	51.20	m		$	-
9.3.2	16mm diam anchor bolts L=250 to be welded on steel	12.00	Nr		$	-

9.3.3	240x150x6mm plate (fillet weld of 6mm thick) welded to the truss and column	12.00	Nr		$	-
9.3.4	100x60x3mm RHS Rafter including all the welding, straining, surface preparation and hoisting into position	20.90	m		$	-
	Roof Covering					
9.3.5	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 separately) and rubber caping to tops of bolts	35.11	m2		$	-
	Rain Water Disposal					
	Supply and fix rain water system to manufacturer's instructions.					
9.3.6	250x350 GMS 2mm thick gutter	6.35	m		$	-
9.3.7	Rainwater outlets with nozzle for 100mm rainwater down pipe outlet.	2.00	Nr		$	-
9.3.8	1000L Plastic tank including plumbing work (pipe connections and taps)	2.00	lump sum		$	-
9.3.9	Water tank concrete plinth construction including supply and installation of all materials and labour	2.00	lump sum		$	-
9.3.10	Soak pit construction including supply and installation of all materials and labour	1.00	lump sum		$	-
9.3.11	Storm water drainage	29.10	m		$	-
BILL NO.9.4	**DOORS, WINDOWS, FINISHES, PLUMBING - 1 Latrine Block, 2 Stances with urinal for boys**				**$**	**-**
	Doors					
	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.					
9.4.1	Door D1 90x237cm - RHS steel frame 40mm x 40 mm x 2mm painted with 2 coat of antirust paint and 1 coat of enamel paint with door leaf 180D opening made of 0.5mm flat metal pane with burglar proofing (RHS 25x25x2mm vertical steel bars at equal intervals welded to frame on the interior side. Louvers is 0.5mm thick welded at to frame.	2.00	Nr		$	-
9.4.2	Door D2 100x237cm - RHS steel frame 40mm x 40 mm x 2mm painted with 2 coat of antirust paint and 1 coat of enamel paint with door leaf 180D opening made of 0.5mm flat metal pane with burglar proofing (RHS 25x25x2mm vertical steel bars at equal intervals welded to frame on the interior side. Louvers is 0.5mm thick welded at to frame.	2.00	Nr		$	-
9.4.3	Door D3 100x170cm - RHS steel frame 40mm x 40 mm x 2mm painted with 2 coat of antirust paint and 1 coat of enamel paint with door leaf 180D opening made of 0.5mm flat metal pane with burglar proofing (RHS 25x25x2mm vertical steel bars at equal intervals welded to frame on the interior side. Louvers is 0.5mm thick welded at to frame.	2.00	Nr		$	-
	Louvers					
9.4.4	600x400mm high windows, RHS steel frame 40x40x2mm painted with 2 coats of antirust paint & one coat of enamel paint with steel louvers	4.00	Nr		$	-
	Finishes					
	Floor finishes					
	Insitu cement and sand (1:3) screed					
9.4.5	50mm thick screed for floor and ramp	37.97	m2		$	-
	Wall Finishes					
	Internal and external Walls: 12mm thick cement sand plaster, with steel trowelled finish, as described to:-					
9.4.6	Internal wall plaster	60.41	m2		$	-
9.4.7	External wall plaster	44.52	m2		$	-
9.4.8	Wooden fascia board paint, 1 coat of emulsion under coat & 3 coats of oil based gloss white paint	4.68	m2		$	-
	Miscellaneous					
9.4.9	Manhole Cover (supply and form concrete for 600x600x10mm RC cover)	1.00	Nr		$	-
	Plumbing installations					
9.4.10	PSN Seat attached with handrails support, casted with concrete and finished with tiles (400mm x 300mm x 400mm).	1.00	Nr		$	-
9.4.11	Construct a masonry urinal channel 3.7m long with channel width 0.15m having 1.2% slop and install 2 tanks each of 50l drained into the pit. Refer the details on the drawing	1.00	lump sum		$	-
9.4.12	Supply and install handwash basin and 50l water bucket with its drainage (refer to hand wash details on the drawing)	1.00	lump sum		$	-
9.4.13	Well finished squat hole with foot rest	2.00	Nr		$	-
9.4.14	Handrails for length of ramps (on both sides	2.00	Pairs		$	-
9.4.15	Vent-pipe	1.00	Item		$	-
ITEM	**DESCRIPTION**	**QTY**	**UNIT**	**RATE (USD)**	**AMOUNT (USD)**	
BILL NO. 10	**BOQ FOR CONSTRUCTION OF 1 LATRINE BLOCK OF 4 STANCES AND WASHROOM ATTACHED FOR GIRLS AT LOKO LOKO SECONDARY SCHOOL**				**$**	**-**
BILL NO. 10.0	**SUBSTRUCTURE - 1 Latrine Block, 4 Stances with washroom attached for Girls**				**$**	**-**
	Excavation and Earthwork (Provisional)					
10.1.1	Site clearance and removal of debris from site as directed (10m by 6m)	138.75	m2		$	-
10.1.2	Excavate loose top soil average 200 deep from ground level and wheel and deposit on site as directed	162.75	m2		$	-
10.1.3	Manual-Mass excavation for latrine pit not exceeding 1.5m deep starting from Ground level	28.50	m3		$	-
10.1.4	Ditto exceeding 1.5-3.0m depth starting from stripped level	28.50	m3		$	-
10.1.5	Excavate in soft material for foundation trenches and column bases not exceeding 1.8m depth starting from stripped level and 60 cm wide	11.10	m3		$	-
10.1.6	Excavate in soft material for ramp trenches not exceeding 600mm depth	8.64	m3		$	-
	Disposal of surplus spoils					
10.1.7	Load and cart away surplus material from site to an approved dumping site	76.74	m3		$	-
	Selected filling					
10.1.8	200mm Thick hardcore fillings compacted in layers not exceeding 100mm deep and well watered under lobby ground slab and ramps	9.24	m3		$	-
10.1.9	500mm Thick compacted selected fill to grade natural soil	14.09	m3		$	-
	Damp proof membrane					

10.1.10	1000 gauge polythene or other equal and approved damp proof membrane laid under surface bed with 300mm side and end laps (measured net- allow for laps)	57.87	m2		$	-
	Concrete work in substructure					
	Plain concrete class 10 (mix 1:3:6)					
10.1.11	50mm Thick surface blinding under strip foundation and bottom pit	1.43	m3		$	-
10.1.12	Ditto for columns bases	0.22	m3		$	-
10.1.13	Ditto for ramps	0.72	m3		$	-
	Insitu concrete class 25/20, vibrated and reinforced as described, in:-					
10.1.14	Foundation strip (250mm thick)	2.42	m3		$	-
10.1.15	Pit foundation beams (200mm thick)	1.03	m3		$	-
10.1.16	Column Bases (250mm thick)	0.72	m3		$	-
10.1.17	Columns (substructure)	0.96	m3		$	-
10.1.18	150mm thick ground floor slab over the pit and 100mm on the walk way	4.41	m3		$	-
10.1.19	Ground beams (300mm thick by 200mm wide)	2.59	m3		$	-
10.1.20	Ramp (minimum 100mm thick)	2.88	m3		$	-
10.1.21	100mm thick bottom pit slab of concrete reinforced with mesh	1.90	m3		$	-
	Reinforcement for Substructure					
	High tensile steel reinforcement to B.S. 4461 in structural concrete work including cutting, bending, hoisting, fixing, tying wire and spacing blocks					
10.1.22	8 mm diameter bars	166.62	kg		$	-
10.1.23	10 mm diameter bars	459.33	kg		$	-
10.1.24	12 mm diameter bars	563.61	kg		$	-
	Mesh reinforcement ; B.S. 4483 Ref A142 weighing 2.22 kgs per square meter including bends, tying wire and spacing blocks					
	Fabric mesh reinforcement for ground floor, ramp and bottom pit slab	36.74	m2		$	-
10.1.26	***Sawn formwork to:-***					
10.1.26	Horizontal sides of pit foundation beam	11.82	m2		$	-
10.1.27	Horizontal sides of foundation strip	4.03	m2		$	-
10.1.28	Horizontal sides of ground beams and floor slabs	35.71	m2		$	-
10.1.29	Edge of ramps	5.28	m2		$	-
	Foundation Walling					
	Solid concrete block walling (mix 1:3:6); bedded, load bearing 7N/mm², jointed and pointed in cement sand (1:3) mortar; reinforced with hoop iron after every alternate course.					
10.1.30	200mm Thick walling for pit	75.90	m2		$	-
10.1.31	200mm thick plinth	37.03	m2		$	-
	Damp proof course					
10.1.32	1200 gauge polythene or other equal and approved damp proof membrane laid under 150mm thick walls	51.10	m		$	-
	Plastering and Painting					
10.1.33	12 mm thick cement : sand (1:3) plaster to walling	218.96	m2		$	-
	Sundries					
10.1.34	Allow for making squat hole openings in 150 mm slab	3.00	nr		$	-
10.1.35	Ditto for making 600 x600 mm openings in 150 mm slab for manhole.	1.00	nr		$	-
BILL NO. 10.2	**SUPERSTRUCTURE - 1 Latrine Block, 4 Stances latrine with washroom attached for Girls**				**$**	**-**
	Reinforced Concrete					
	Insitu concrete class 25/20 , vibrated and reinforced as described, in:-					
10.2.1	Ring beam	2.31	m3		$	-
10.2.2	Columns (superstructure)	0.61	m3		$	-
	Reinforcement					
	High tensile steel reinforcement to B.S. 4461 in structural concrete work including cutting, bending, hoisting, fixing, tying wire and spacing blocks					
10.2.3	8 mm diameter bars	117.97	kg		$	-
10.2.4	12 mm diameter bars	356.81	kg		$	-
	Formwork					
	Formwork in sawn finish at any level to:-					
10.2.5	Sides and soffits of ring beams	30.66	m2		$	-
10.2.6	Columns	18.63	m2		$	-
	Walling					
	Solid concrete block walling (mix 1:3:6); bedded, load bearing 7N/mm², jointed and pointed in cement sand (1:3) mortar; reinforced with hoop iron after every alternate course.					
10.2.7	150mm Thick walls for toilet and curtain	115.24	m2		$	-
10.2.8	**ROOF AND RAIN WATER DISPOSAL - 1 Latrine Block, 4 Stances latrine with washroom attached for Girls**				**$**	**-**
	Contractor to allow for hoisting and all angle brackets or gusset plates, bolts, cleats, fish tailing lugs, drilling holes and the likes for fixing members to position as per the details provided.		Note			
	Roof Construction					
	Unframed mild steel including hoisting and fixing in position and including drilling holes, all necessary welding, bolts plates/gusset plates and other jointing whether or not specifically described herein or shown on the drawing and with one coat of red oxide primer after erection.(see the drawings)					
10.2.9	100 x 50 x 2mm thick Z-purlins securely fixed onto the steel trusses (MS) at 900mm c/c spacing including all the welding, straining, surface preparation and hoisting into position	41.80	m		$	-
10.2.10	16mm diam anchor bolts L=250 to be welded on steel	12.00	Nr		$	-
10.2.11	240x150x6mm plate (fillet weld of 6mm thick) welded to the truss and column	12.00	Nr		$	-
10.2.12	100x60x3mm RHS Rafter including all the welding, straining, surface preparation and hoisting into position	20.90	m		$	-
	Roof Covering					
10.2.13	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 separately) and rubber caping to tops of bolts	57.32	m2		$	-
	Rain Water Disposal					

	Supply and fix rain water system to manufacturer's instructions.				
10.2.14	250x350 GMS 2mm thick gutter	20.90	m		$ -
10.2.15	Rainwater outlets with nozzle for 100mm rainwater down pipe outlet.	2.00	Nr		$ -
10.2.16	1000L Plastic tank including plumbing work (pipe connections and taps)	1.00	lump sum		$ -
10.2.17	Water tank concrete plinth construction including supply and installation of all materials and labour	1.00	lump sum		$ -
10.2.18	Soak pit construction including supply and installation of all materials and labour	1.00	lump sum		$ -
10.2.19	Storm water drainage	25.50	m		$ -
10.2.20	**DOORS, WINDOWS, FINISHES, PLUMBING - 1 Latrine Block, 4 Stances latrine with washroom attached for Girls**				**$ -**
	Doors				
	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.				
10.2.21	Door D1 90x237cm - RHS steel frame 40mm x 40 mm x 2mm painted with 2 coat of antirust paint and 1 coat of enamel paint with door leaf 180D opening made of 0.5mm flat metal pane with burglar proofing (RHS 25x25x2mm vertical steel bars at equal intervals welded to frame on the interior side. Louvers is 0.5mm thick welded at to frame.	3.00	Nr		$ -
10.2.22	Door D2 100x237cm - RHS steel frame 40mm x 40 mm x 2mm painted with 2 coat of antirust paint and 1 coat of enamel paint with door leaf 180D opening made of 0.5mm flat metal pane with burglar proofing (RHS 25x25x2mm vertical steel bars at equal intervals welded to frame on the interior side. Louvers is 0.5mm thick welded at to frame.	1.00	Nr		$ -
10.2.23	Door D3 100x170cm - RHS steel frame 40mm x 40 mm x 2mm painted with 2 coat of antirust paint and 1 coat of enamel paint with door leaf 180D opening made of 0.5mm flat metal pane with burglar proofing (RHS 25x25x2mm vertical steel bars at equal intervals welded to frame on the interior side. Louvers is 0.5mm thick welded at to frame.	1.00	Nr		$ -
	Louvers				
10.2.24	600x400mm high windows, RHS steel frame 40x40x2mm painted with 2 coats of antirust paint & one coat of enamel paint with steel louvers	4.00	Nr		$ -
	Finishes				
	Floor finishes				
	Insitu cement and sand (1:3) screed				
10.2.25	50mm thick screed for floor and ramp	44.33	m2		$ -
	Wall Finishes				
	Internal and external Walls: 12mm thick cement sand plaster, with steel trowelled finish, as described to:-				
10.2.26	Internal wall plaster	107.77	m2		$ -
10.2.27	External wall plaster	64.86	m2		$ -
10.2.28	Wooden fascia board paint, 1 coat of emulsion under coat & 3 coats of oil based gloss white paint	31.35	m2		$ -
	Miscellaneous				
10.2.29	Manhole Cover (supply and form concrete for 600x600x10mm RC cover)	1.00	Nr		$ -
	Plumbing installations				
10.2.30	PSN Seat attached with handrails support, casted with concrete and finished with tiles (400mm x 300mm x 400mm).	1.00	Nr		$ -
10.2.31	Construct a masonry urinal channel 3.7m long with channel width 0.15m having 1.2% slop and install 2 tanks each of 50l drained into the pit. Refer the details on the drawing	1.00	lump sum		$ -
10.2.32	Supply and install handwash basin and 50l water bucket with its drainage (refer to hand wash details on the drawing)	1.00	lump sum		$ -
10.2.33	Well finished squat hole with foot rest	3.00	Nr		$ -
10.2.34	Handrails for length of ramps (on both sides	2.00	Pairs		$ -
10.2.35	Vent-pipe	1.00	Item		$ -
	BILL SUMMARY				
BILL NO. 10	BOQ FOR CONSTRUCTION OF 1 LATRINE BLOCK OF 4 STANCES AND WASHROOM ATTACHED FOR GIRLS AT LOKO LOKO SECONDARY SCHOOL	1.00	unit	$ -	$ -
			GRAND TOTAL		**$ -**

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	Construction of 400m perimeter masonry wall fence in Loko Loko PHCC, constructiom of placenta pit, 1 block of 3 stance latrine with washroom; Rehabilitation of 8 class rooms (3 blocks) in Loko loko secondary School, teachers' quarter and Music & dance Theater, Construction of 2 block of 4 stance latrines (boys and girls), 1 block of 2 stance latrine at Wau North Payam.				Tender No.8
BILL NO. 1	PRELIMINARIES	1.0	Unit	$ -	$ -
BILL NO. 2	REHABILITATION OF MAIN CLASSROOM BLOCK 1 & 2-LOKO LOKO SECONDARY SCHOOL	2.0	Unit	$ -	$ -
BILL NO. 3	REHABILITATION OF CLASSROOM BLOCK 03-LOKO LOKO SECONDARY SCHOOL	1.0	Unit	$ -	$ -
BILL NO. 4	REHABILITATION OF TEACHER'S QUARTER BLOCK-LOKO LOKO SECONDARY SCHOOL	1.0	Unit	$ -	$ -
BILL NO. 5	REHABILITATION OF MUSIC AND DANCE THEATRE BLOCK-LOKO LOKO SECONDARY SCHOOL	1.0	Unit	$ -	$ -
BILL NO. 6	BOQ FR CONSTRUCTION OF LOKOLOKO PHCC - PERIMETER WALL FENCE - 100m x 100m	1.0	unit	$ -	$ -
BILL NO. 6B	BOQ FOR CONSTRUCTION OF CHAINLINK FENCE (100X40M) WITH PEDESTAL ACCESS GATE AT LOKOLOKO PHCC AREA OF THE TOMB	1.0	unit	$ -	$ -
BILL NO. 7	BoQ FOR CONSTRUCTION OF 3-STANCE LATRINE WITH WASHROOM ATTACHED AT LOKO LOKO PHCC FOR FEMALE	1.0	unit	$ -	$ -
BILL NO. 8	BoQ FOR CONSTRUCTION OF 4-STANCE LATRINE WITH URINAL AT LOKO LOKO SECONDARY SCHOOL FOR BOYS	1.0	unit	$ -	$ -
BILL NO. 9	BOQ FOR CONSTRUCTION OF 1 LATRINE BLOCK OF 2 STANCES WITH URINAL FOR TEACHERS AT LOKO LOKO SECONDARY SCHOOL	1.0	unit	$ -	$ -

BILL NO. 10	BOQ FOR CONSTRUCTION OF 1 LATRINE BLOCK OF 4 STANCES AND WASHROOM ATTACHED FOR GIRLS AT LOKO LOKO SECONDARY SCHOOL	1.0	unit	$	-	$ -
					GRAND TOTAL	**$ -**