

Item	Description	Unit	Quantity	Rate	Amount
	<u>SECTION 1: : PRELIMINARIES AND GENERAL</u>	H1			
	<u>BILL NO. 1</u>	H1			
1	Preliminaries and General	Item	1	R -	R -
Carried To Final Summary					R -

Item No	Description	UOM	Qty	Rate	Amount
	<b><u>SECTION 2: HUMAN RESOURCES OFFICES</u></b>	H1			
	<b><u>BILL NO. 1</u></b>	H1			
	<b><u>ALTERATIONS (PROVISIONAL)</u></b>	H1			
	<b><u>MODEL PREAMBLES</u></b>	H2			
	The tenderer is referred to the relevant clauses in the latest edition of the Model Preambles for Trades and to the Supplementary Preambles which are incorporated in this Bill of Quantities.	H2			
	<b><u>SUPPLEMENTARY PREAMBLES</u></b>	H2			
	Existing Furniture, Equipment, etc	H3			
	The Contractor shall not remove or damage any furniture, equipment or similar items that belong to the Department except when specifically described in the items to follow: The Contractor must give the Principal Agent sufficient notice if the removal of these items are required before any prescribed alterations can be done				
	Damage to existing finishes	H3			
	The Contractor will be held responsible for all damage however caused to existing finishes and fittings, etc. and he must make good all damage at his own expense to the approval of the Principal Agent. Breaking down, demolition and alteration activities and tasks, hacking off of existing plaster, etc. is to be executed with care so as to prevent damage to remaining floor and wall surfaces and finishes (where these are to be retained). Tenders will be deemed to include allowance for any necessary protection of existing surfaces and structures as may be necessary to effect the above, as the cost of repairing damage to existing surfaces and structures will be solely for the Contractors account				
	Responsibility for site	H3			
	The Contractor is to note that upon possession of the site by himself, and extending until practical completion is achieved, he is solely responsible for the site, site security, general upkeep and cleaning of the site and all other responsibilities in maintaining a construction site in conformance with but not limited to, the Construction Regulations 2014, all local by-laws, all user client regulations, and all Client regulations and procedures. Tenderers are therefore urged to study all available material and to investigate the site fully and areas contiguous to the site, in order to determine the range and extent of responsibility. No additional monetary and/or time claims will be entertained in respect of the above				
	Explosives	H3			
	No explosives whatsoever may be used for demolition purposes unless otherwise stated				
	General	H3			
	The Contractor shall carry out the whole of the works with as little mess and noise as possible and with a minimum amount of disturbance to adjoining classroom blocks and their students. He shall provide proper protection of the works and provide, erect and remove when directed, any temporary tarpaulins that may be necessary during the progress of the works, all to the satisfaction of the Principal Agent				
	Water supply pipes and other piping that may be encountered and found necessary to disconnect or cut, shall be effectually stopped off or grubbed up and removed, and any new connections that may be necessary shall be made with proper fittings, to the satisfaction of the Principal Agent				
	Doors, fanlights, fittings, frames, linings, etc which are to be re-used shall be thoroughly overhauled before refixing including taking off, easing and rehanging, cramping up, re-wedging as required and making good cramps, dowels, etc, and easing, oiling, adjusting and repairing ironmongery as necessary, replacing any glass damaged in removal or subsequently and stopping up all nail and screw holes with tinted plastic wood to match timber, unless otherwise described. Re-painting or re-varnishing is given separately				
	"Taking out and removing doors, windows, etc" implies that the door, etc is to be carefully taken down together with the fame, linings, architraves, window sills, etc complete and where brick lintels occur, it must be supported and propped until the openings are built up or new doors or windows built in position				
	Prices for taking out and removing doors and frames shall include for removing door stops, cabin hooks, etc. and making good floor and wall finishes to match existing				
	"Forming openings" for doors or windows, etc implies that the plaster or any other covering is to be hacked off and an opening formed sufficient in size to receive the building in of the frame and cramps, and the forming of new dampproof courses, lintels, sills, etc. After building in of the new frame, the opening is to be built against the frame, plaster or faced brickwork to be made good both sides and reveals and floor screeds prepared for finishings to match existing				
	"Making good" implies that all necessary repairs are to be made to reinstate articles that may be damaged through the removal or otherwise, and the supplying of any new materials to match existing work, and is to include any necessary repairs to adjacent finishings such as floors, skirtings, plaster, painting, etc and such making good is to match adjoining work in all respects and in all trades				
	The Contractor will be required to take all dimensions affecting the existing buildings on the site and he will be held solely responsible for the accuracy of all such dimensions where used in the manufacture of new items (doors, windows, fittings, etc)				
	The Contractor to acknowledge that sequencing of the work will be necessary to accommodate the operational aspects of the school. The Contractor to accordingly factor the above requirement in the construction programme and pricing				
	"Breaking down and removing" walls, etc implies that the wall is to be taken down to the extent shown on the drawings or as may be described and that all necessary shoring is to be provided and allowed for to ensure the safety of the building during the pulling down or until new walls are erected and all portions of the remaining walls where distrubed or affected by the removal are to be made good and left ready for plaster or other finishings as described				
	<b>Carried Forward</b>				
					R -

		Brought Forward				R	-
<p>Where removal is included in the heading, sub-heading or item description, prices shall be deemed to include for the necessary costs of removal and appropriate disposal of materials including but not limited to labour, transportation and disposal costs. No further claims in this regard will be entertained</p> <p>"Building up openings" implies that after the removal of any doors, windows or screens that may be described to be taken down, the opening is to be filled up solid (or to the thickness as shown) with new brickwork and is to include all necessary cutting away to form toothings to thoroughly bond to the new work and new finishes to both sides as described.</p> <p>Removal of asbestos material</p> <p>All preparatory work, alterations, etc., to existing asbestos cement roof sheeting, gutters, rainwater pipes, etc., is to be carried out strictly by an approved and certified specialist company and in accordance with statutory requirements (Occupational Health and Safety Act, 1993 - Asbestos Regulations 2001) and all necessary precautions must be taken when working with and disposing of asbestos cement products and the disposal of waste water resulting from cleaning operations, etc.</p> <p>The following shall apply in respect of asbestos removal</p> <p>The removal of asbestos shall be carried out by a certified entity, registered in accordance with the Occupational Health and Safety Act, 1993 and the Asbestos Regulations 2001. Asbestos in all forms/building elements that is to be removed, shall be carried out in strict accordance with aforementioned regulation and a certificate issued by the entity as contemplated in the above, shall be provided per block for the removal thereof, where the term block shall in this context refer to any single, free standing building structure, regardless of size or purpose</p> <p>Corresponding disposal certificates shall be issued by the facility at which the asbestos is disposed off, with said facility to, prior to the disposal of any asbestos material provide satisfactory proof that the facility is duly registered and fully compliant in terms of the act, to receive the asbestos material. Under no circumstances is the Contractor nor any of his duly authorised representatives to sell and/or give away asbestos material to any member/s of the school community, the community in general or the public at large. Should this be found to be occurring, the Contractor will be held responsible contractually and may further be prosecuted criminally</p> <p>Corresponding disposal certificates shall be issued by the facility at which the asbestos is disposed off, with said facility to, prior to the disposal of any asbestos material provide satisfactory proof that the facility is duly registered and fully compliant in terms of the act, to receive the asbestos material. Under no circumstances is the Contractor nor any of his duly authorised representatives to sell and/or give away asbestos material to any member/s of the school community, the community in general or the public at large. Should this be found to be occurring, the Contractor will be held responsible contractually and may further be prosecuted criminally</p> <p>The cost for complying with the above, and all requirements of regulation as reflected above is to be priced for in terms for removal of asbestos material. No further claims in this regard will therefore be entertained</p> <p><b>REMOVAL OF EXISTING WORK</b></p> <p><u>Taking down and removing roofs, floors, panelling, ceilings, partitions, etc.</u></p>		H3					
			H3				
2	Asbestos roof sheeting including timber purlins, underlay, etc complete and the provision of a certificate of safe disposal for asbestos	m2		150		R	-
3	Timber roof rafters, including making good to receive new 38 x 152mm rafters and roof ties (Rafters and roof ties elsewhere measured).	m		65		R	-
4	Nailed up flush plasterboard ceilings, nutec cement ceilings, covers strips, cornices, brackerings, etc.	m2		130		R	-
5	Asbestos rainwater pipes and gutters and fixings	m		24		R	-
6	Asbestos fascia boards and fixings	m		24		R	-
7	Asbestos barge boards and fixings	m		24		R	-
Carried to summary							
						R	-

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Item No	Description	UOM	Qty	Rate	Amount
	<b><u>SECTION 2: HUMAN RESOURCES OFFICES</u></b>	H1			
	<b><u>BILL NO. 3</u></b>	H1			
	<b><u>ROOF COVERINGS, CLADDING, ETC. (PROVISIONAL)</u></b>	H1			
	<b><u>PREAMBLES</u></b>	H2			
	The tenderer is referred to the relevant clauses in the latest edition of the Model Preambles for Trades and to the Supplementary Preambles which are incorporated in this Bill of Quantities.	H2			
	<b><u>SUPPLEMENTARY PREAMBLES</u></b>	H2			
	Sheeting	H3			
	The roof sheeting shall be 0.55mm AZ150 ZincAl or equal approved IBR 686 profile roll-formed in continuous lengths and cut to length by a pneumatic cut-off process from certified Z275 galvanized steel complying with ISQ 550 (3T). A certificate verifying compliance shall be issued by the manufacturer.				
	Finish for AZ150 Zinalume	H3			
	The profile shall be supplied with a paint finish G550 consisting of a full top coat "Colourplus" or equal approved silicone modified polyester Colour: To match existing on one side and Cool Grey backing to other				
	Assembly	H3			
	The AZ150 ZincAl sheets shall be fixed to every purlin strictly in accordance with manufacturer's specifications. Holes through sheeting are to be drilled and NO punching of holes are allowed. 8mm Diameter x 75mm long fixing screws with 19mm diameter washer and rubber gasket are to be used. Every precaution shall be taken to prevent damage to roof sheets during all stages of construction. Duck boards should be used when necessary to protect the sheeting from damage. Sheetting which has become deformed or damaged in any way, shall be replaced				
	Flashings	H3			
	Flashings shall be approved by roof sheeting manufacturer and fixed to the sheeting with S10 clips to obviate any direct fixing perforations. Prior to flashings being fixed, all troughs at the apex shall be stop-ended to the full depth of the sheet in order to prevent any penetration of wind driven water. The trough shall be lipped at the eaves end to form a drip. Flashing flanges shall be notched to the sheet profile where necessary. All these operations must be performed with special tools available from the manufacturer. Care shall be taken to ensure that no sheeting or flashing will be cut with abrasive disc on roof surface in order to prevent steel splatter from penetrating colour coated areas. The flashings shall be supplied with a paint finish consisting of a full top coat silicon modified polyester Colour : White to one side				
	Quality Assurance	H3			
	The manufacturer shall be assessed and certified as complying with ISO 9001: 2008 Quality Management System				
	Guarantee	H3			
	AZ150 ZincAl or equal approved sheeting shall be laid in strict accordance with manufacturer's specifications by an approved contractor. The employer shall be provided with a ten year written guarantee on materials and a five year written guarantee on workmanship and water-tightness after final inspection of the roofs, by the manufacturer.				
	Handling and Storage	H3			
	The contractor shall ensure that all materials used on site for cladding, etc are transported, handled and stored in accordance with the manufacturer's recommendations. Material damaged shall be rejected and replaced with undamaged material at the contractor's expense. Repair of damaged material will not generally be permitted. Rates are to include for preventing damage and protecting sheets through all stages of construction				
	Inspection Prior to Installation or Erection	H3			
	Before commencing with installation, the contractor shall verify that the following items have been checked and accepted: a. The entire structure or the portion thereof to be sheeted has been correctly aligned, levelled and grouted b. Purlins and sheeting rails are at the correct spacing and are within the specified tolerances c. The corners of the roof are square and the wall framework is perpendicular or as specified d. No protrusions such as bolt heads, splice plates, cleats, etc. appear on the face of the framework e. All members to which roofing and cladding are to be fixed in aesthetically sensitive areas are true and square f. Paint and any other materials that may be incompatible with the sheeting, have been painted over or so dealt with that direct contact with the sheeting is avoided g. The contact faces between the purlins or the girts and the cladding are in the same plane. Should the alignment be inadequate, the contractor shall request instructions from the engineer before proceeding with the fixing of the cladding				
	Protrusion through Sheeted Surfaces	H3			
	Protrusions such as pipes, ducts and the like, shall be adequately flashed where they pass through the sheeting surface. Where ribs have to be cut away to permit penetration, additional framing is to be installed as required to support the sheeting. Depending on the position of the penetration through the roof, special attention shall be given to back flashing the sheeting to the ridge or point of water entry. In all cases, all cutting and flashings shall be so arranged that adequate provision is made for the drainage of all troughs and corrugation				
	<b><u>PROFIED METAL SHEETING AND ACCESSORIES</u></b>	H2			
	(CPAP WORK GROUP NO. 125 UNLESS OTHERWISE STATED)	H2			
	<u>0.55mm Zinalume IBR 686 sheeting and accessories with "Colourplus" finish (colour : Standard colour on one side and CoolGrey backing to other), in long lengths fixed using Class 3 Climaseal screws (8mm diameter with 26mm diameter washer and rubber gasket) as per manufacturer's recommendations for coastal areas to 50 x 76mm treated SA Pine purlins @ 1 100mm centres on Sisalation elsewhere measured</u>	H3			
10	Roof covering with pitch not exceeding 25 degrees	m2	150		R -
	<b>Carried Forward</b>				R -

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Item No	Description	UOM	Qty	Rate	Amount
	<b><u>SECTION 2: HUMAN RESOURCES OFFICES</u></b>	H1			
	<b><u>BILL NO. 4</u></b>	H1			
	<b><u>CARPENTRY AND JOINERY (PROVISIONAL)</u></b>	H1			
	<b><u>PREAMBLES</u></b>	H2			
	The tenderer is referred to the relevant clauses in the latest edition of the Model Preambles for Trades and to the Supplementary Preambles which are incorporated in this Bill of Quantities.	H3			
	<b><u>SUPPLEMENTARY PREAMBLES</u></b>	H2			
	Proprietary products in descriptions:	H3			
	Proprietary products shall be used as specified. Substitute products of similar quality and specification may only be used with prior approval by the Principal Agent.				
	Prefabricated roof trusses:				
	Prefabricated timber roof trusses shall be constructed of South African pine by a firm of specialist designer manufacturer's as approved by the Architect.				
	Joinery:				
	Descriptions of hardwood joinery shall be deemed to include pelleting of bolt holes.				
	Fixing:				
	All nailing of timber roof trusses, purlins, etc shall be done with galvanised nails. In coastal areas, copper, aluminium or stainless steel nails shall be used.				
	Items described as 'nailed' shall be deemed to be fixed with hardened steel nails or shot pins to brickwork or concrete.				
	Where items are described as 'bolted' the bolts have been measured elsewhere.				
	<b><u>ROOFS, ETC</u></b>	H2			
	<b><u>PLATE NAILED TIMBER ROOF TRUSS CONSTRUCTION ETC</u></b>	H2			
	<b><u>SUPPLEMENTARY PREAMBLES</u></b>	H3			
	Tenderers referred to the attached roof plan, sections, elevations, mechanical and electrical drawings before pricing these items.				
	Dimensions in descriptions of trusses are nominal and actual measurements are to be obtained on site before design or fabrication commences.				
	Roof coverings are steel sheeting on purlins.				
	Ceilings are nailed up flush plaster board including brandering.				
	<b><u>Sawn softwood:</u></b>				
14	38 x 152mm Rafters	m	65		R -
15	38 x 114mm Wall plate.	m	50		R -
16	76 x 50mm Purlins	m	150		R -
17	76 x114 False rafter fixed to ends of rafters to receive fascia boards (elsewhere)	m	60		R -
18	Hurricane clips	no	364		R -
	<b><u>EAVES, VERGES, ETC.</u></b>				
	<b><u>Medium density plain fibre-cement fascias and barge boards</u></b>				
19	12mm x 225mm Fascia boards including aluminium H- profile fascia joiners fixed with galvanised screws and washers	m	50		R -
	<b><u>Fibre-cement socketless barge boards</u></b>				
20	200mm x 80mm Barge boards, including aluminium H-profile jointing strips etc	m	24		R -
	<b>Carried to summary</b>				R -

Item No	Description	UOM	Qty	Rate	Amount
	<b><u>SECTION 2: HUMAN RESOURCES OFFICES</u></b>	H1			
	<b><u>BILL NO. 5</u></b>	H1			
	<b><u>CEILINGS, PARTITIONS AND ACCESS FLOORING (PROVISIONAL)</u></b>	H1			
	<b><u>PREAMBLES</u></b>	H2			
	The tenderer is referred to the relevant clauses in the latest edition of the Model Preambles for Trades and to the Supplementary Preambles which are incorporated in this Bill of Quantities.	H3			
	<b><u>SUPPLEMENTARY PREAMBLES</u></b>	H2			
	Items described as "nailed" shall be deemed to be fixed with hardened steel nails or pins, or to be shot-pinned, to brickwork or concrete				
	Items described as "plugged" shall be deemed to include screwing to fibre, plastic or metal plugs at not exceeding 500mm centres, and where described as "bolted", the bolts have been given elsewhere				
	<b><u>NAILED UP CEILINGS</u></b>	H2			
	<u>4mm Fibre cement ceiling board with H-type pressed steel jointing strips</u>	H3			
21	Ceilings including 38 x 38 sawn softwood branderling at 400mm centres	m2	130	R	-
22	Extra over ceiling for 610 x 610mm trap door of 38 x 50mm wrought softwood rebated framing with one 38 x 50mm sawn softwood cross brander covered with ceiling board and fitted flush in opening	No	1	R	-
23	Extra over for opening for smoke detectors	No	2	R	-
24	Extra over for opening for surface mounted lite fittings.	No	2	R	-
25	Extra over for openings for extract grille.	No	2	R	-
26	Extra over for opening for ceiling fan.	No	2	R	-
	<u>Rhino gypsum plasterboard cornices</u>	H3			
27	75mm coved cornices	m	90	R	-
	<b><u>INSULATION</u></b>	H3			
	<u>Isotherm Thermal insulation</u>	H3			
28	100mm thick insulation closely fitted and laid on top of brand	m2	130	R	-
Carried to Summary					R -





Item No	Description	UOM	Qty	Rate	Amount
	<b><u>SECTION 2: HUMAN RESOURCES OFFICES</u></b>	H1			
	<b><u>BILL NO. 7</u></b>	H1			
	<b><u>PLUMBING AND DRAINAGE (PROVISIONAL)</u></b>	H1			
	<b><u>PREAMBLES</u></b>	H2			
	The tenderer is referred to the relevant clauses in the latest edition of the Model Preambles for Trades and to the Supplementary Preambles which are incorporated in this Bill of Quantities.				
	<b><u>PLUMBING AND DRAINAGE</u></b>	H2			
	(CPAP WORK GROUP NO. 148 UNLESS OTHERWISE STATED)				
	<b><u>RAINWATER DISPOSAL</u></b>	H2			
	Pre-coated seamless aluminium gutters including matching rivet fixed mitres and end caps sealed using silicon mastic hung by screw fixed internal aluminium hangers at 600mm centres with accessories installed in accordance with manufactures instructions, colour to Architects approval (non-standard colours)				
	<b><u>0,8mm Chromadek seamless gutters and rainwater pipes</u></b>	H3			
31	150 x 100mm Gutters fixed with concealed brackets	m	30	R	-
32	Extra over eaves gutter for stopped end	No	4	R	-
33	Extra over eaves gutter for outlet for 100 x 75mm pipe	No	4	R	-
34	Extra over eaves gutter for drop box suitable for 150 x 100mm gutter	No	4	R	-
35	Rainwater Down pipes	m	20	R	-
36	Extra over rainwater pipe for plinth bend	No	8	R	-
37	Extra over rainwater pipe for shoe.	No	4	R	-
<b>Carried to summary</b>					<b>R -</b>

Item No	Description	UOM	Qty	Rate	Amount
	<b>SECTION 2: HUMAN RESOURCES OFFICES</b>	H1			
	<b>BILL NO. 8</b>	H1			
	<b>PAINTWORK (PROVISIONAL)</b>	H1			
	<b>PREAMBLES</b>	H2			
	The tenderer is referred to the relevant clauses in the latest edition of the Model Preambles for Trades and to the Supplementary Preambles which are incorporated in this Bill of Quantities.				
	<b>SUPPLEMENTARY PREAMBLES</b>	H2			
	Where trade names are specified it will read "or equal approved"				
	(CPAP WORK GROUP NO. 152 UNLESS OTHERWISE STATED)	H2			
	<b>PAINTWORK TO NEW WORK</b>	H2			
	<b>ON FLOATED PLASTER</b>	H2			
	<u>Prepare and brush surface to remove all loose contaminants and apply one coat plaster primer, one coat universal undercoat and two coats approved emulsion paint for interior use</u>	H3			
38	On internal walls	m <sup>2</sup>	14	R	-
	<u>Prepare and brush surface to remove all loose contaminants and apply one coat plaster primer, one coat universal undercoat and two coats approved emulsion paint for interior use</u>	H3			
39	On external walls	m <sup>2</sup>	14	R	-
	<b>ON PLASTER BOARD</b>	H2			
	<u>Prepare and brush surface to remove loose contaminants and apply one coat approved alkali resistant primer, including priming nail heads with galvanised iron primer, one coat universal undercoat and two coats including priming male heads, one universal undercoat</u>	H3			
40	On ceilings and cornices	m <sup>2</sup>	130	R	-
	<b>ON FIBRE CEMENT</b>	H2			
	<u>Prepare and brush surface to remove loose contaminants and apply one coat alkali resistance primer, one coat universal undercoat and apply two coats "Super Universal Enamel' paint:</u>	H3			
41	On fascias and barge boards	m <sup>2</sup>	15	R	-
	<b>ON WOOD</b>	H2			
	<u>Prepare and brush surface to remove all loose contaminants and apply two coats approved carbolineum anti-corrosive coal tar paint</u>	H3			
42	On roof timbers at eaves and verges	m <sup>2</sup>	12	R	-
	<b>PAINTWORK TO EXISTING WORK</b>	H2			
	<b>ON FLOATED PLASTER</b>	H2			
	<u>Clean down, make all necessary preparations, including necessary skimming where required, fixing of cracks in walls, etc apply one universal undercoat and two coats emulsion paint on existing plastered wall,</u>				
43	On internal walls	m <sup>2</sup>	315	R	-
44	On external walls	m <sup>2</sup>	222	R	-
<b>Carried to summary</b>					<b>R -</b>

SECTION NO.2: HUMAN RESOURCE OFFICES					
SECTION SUMMARY - BILL OF QUANTITIES		PAGE NO		AMOUNT	
1	Alterations (Provisional)	3		R	-
2	Masonry (Provisional)	4		R	-
3	Roof Coverings, etc. (Provisional)	6		R	-
4	Carpentry and Joinery (Provisional)	7		R	-
5	Ceilings, Partitioning and Access Flooring (Provisional)	8		R	-
6	Plastering (Provisional)	9		R	-
7	Plumbing and Drainage (Provisional)	10		R	-
8	Paintwork (Provisional)	11		R	-
Carried To Final Summary				R	-

Item No	Description	UOM	Qty	Rate	Amount
	<b><u>SECTION 3: MATERNITY WARD</u></b>	H1			
	<b><u>BILL NO. 1</u></b>	H1			
	<b><u>ALTERATIONS (PROVISIONAL)</u></b>	H1			
	<b><u>MODEL PREAMBLES</u></b>	H2			
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	<b><u>SUPPLEMENTARY PREAMBLES</u></b>	H2			
	Existing Furniture, Equipment, etc	H3			
	The Contractor shall not remove or damage any furniture, equipment or similar items that belong to the Department except when specifically described in the items to follow: The Contractor must give the Principal Agent sufficient notice if the removal of these items are required before any prescribed alterations can be done				
	Damage to existing finishes	H3			
	The Contractor will be held responsible for all damage however caused to existing finishes and fittings, etc. and he must make good all damage at his own expense to the approval of the Principal Agent. Breaking down, demolition and alteration activities and tasks, hacking off of existing plaster, etc. is to be executed with care so as to prevent damage to remaining floor and wall surfaces and finishes (where these are to be retained). Tenders will be deemed to include allowance for any necessary protection of existing surfaces and structures as may be necessary to effect the above, as the cost of repairing damage to existing surfaces and structures will be solely for the Contractors account				
	Responsibility for site	H3			
	The Contractor is to note that upon possession of the site by himself, and extending until practical completion is achieved, he is solely responsible for the site, site security, general upkeep and cleaning of the site and all other responsibilities in maintaining a construction site in conformance with but not limited to, the Construction Regulations 2014, all local by-laws, all user client regulations, and all Client regulations and procedures. Tenderers are therefore urged to study all available material and to investigate the site fully and areas contiguous to the site, in order to determine the range and extent of responsibility. No additional monetary and/or time claims will be entertained in respect of the above				
	Explosives	H3			
	No explosives whatsoever may be used for demolition purposes unless otherwise stated				
	General	H3			
	The Contractor shall carry out the whole of the works with as little mess and noise as possible and with a minimum amount of disturbance to adjoining classroom blocks and their students. He shall provide proper protection of the works and provide, erect and remove when directed, any temporary tarpaulins that may be necessary during the progress of the works, all to the satisfaction of the Principal Agent				
	Water supply pipes and other piping that may be encountered and found necessary to disconnect or cut, shall be effectually stopped off or grubbed up and removed, and any new connections that may be necessary shall be made with proper fittings, to the satisfaction of the Principal Agent				
	Doors, fanlights, fittings, frames, linings, etc which are to be re-used shall be thoroughly overhauled before refixing including taking off, easing and rehanging, cramping up, re-wedging as required and making good cramps, dowels, etc, and easing, oiling, adjusting and repairing ironmongery as necessary, replacing any glass damaged in removal or subsequently and stopping up all nail and screw holes with tinted plastic wood to match timber, unless otherwise described. Re-painting or re-varnishing is given separately				
	"Taking out and removing doors, windows, etc" implies that the door, etc is to be carefully taken down together with the frame, linings, architraves, window sills, etc complete and where brick lintels occur, it must be supported and propped until the openings are built up or new doors or windows built in position				
	Prices for taking out and removing doors and frames shall include for removing door stops, cabin hooks, etc. and making good floor and wall finishes to match existing				
	"Forming openings" for doors or windows, etc implies that the plaster or any other covering is to be hacked off and an opening formed sufficient in size to receive the building in of the frame and cramps, and the forming of new dampproof courses, lintels, sills, etc. After building in of the new frame, the opening is to be built against the frame, plaster or faced brickwork to be made good both sides and reveals and floor screeds prepared for finishings to match existing				
	"Making good" implies that all necessary repairs are to be made to reinstate articles that may be damaged through the removal or otherwise, and the supplying of any new materials to match existing work, and is to include any necessary repairs to adjacent finishings such as floors, skirtings, plaster, painting, etc and such making good is to match adjoining work in all respects and in all trades				
	The Contractor will be required to take all dimensions affecting the existing buildings on the site and he will be held solely responsible for the accuracy of all such dimensions where used in the manufacture of new items (doors, windows, fittings, etc)				
	The Contractor to acknowledge that sequencing of the work will be necessary to accommodate the operational aspects of the school. The Contractor to accordingly factor the above requirement in the construction programme and pricing				
	"Breaking down and removing" walls, etc implies that the wall is to be taken down to the extent shown on the drawings or as may be described and that all necessary shoring is to be provided and allowed for to ensure the safety of the building during the pulling down or until new walls are erected and all portions of the remaining walls where disturbed or affected by the removal are to be made good and left ready for plaster or other finishings as described				
	Where removal is included in the heading, sub-heading or item description, prices shall be deemed to include for the necessary costs of removal and appropriate disposal of materials including but not limited to labour, transportation and disposal costs. No further claims in this regard will be entertained				
	"Building up openings" implies that after the removal of any doors, windows or screens that may be described to be taken down, the opening is to be filled up solid (or to the thickness as shown) with new brickwork and is to include all necessary cutting away to form toothings to thoroughly bond to the new work and new finishes to both sides as described.				
	<b>Carried Forward</b>				
					<b>R -</b>

		Brought Forward				R	-
	Removal of asbestos material	H3					
	All preparatory work, alterations, etc., to existing asbestos cement roof sheeting, gutters, rainwater pipes, etc., is to be carried out strictly by an approved and certified specialist company and in accordance with statutory requirements (Occupational Health and Safety Act, 1993 - Asbestos Regulations 2001) and all necessary precautions must be taken when working with and disposing of asbestos cement products and the disposal of waste water resulting from cleaning operations, etc.						
	The following shall apply in respect of asbestos removal	H3					
	The removal of asbestos shall be carried out by a certified entity, registered in accordance with the Occupational Health and Safety Act, 1993 and the Asbestos Regulations 2001. Asbestos in all forms/building elements that is to be removed, shall be carried out in strict accordance with aforementioned regulation and a certificate issued by the entity as contemplated in the above, shall be provided per block for the removal thereof, where the term block shall in this context refer to any single, free standing building structure, regardless of size or purpose						
	Corresponding disposal certificates shall be issued by the facility at which the asbestos is disposed off, with said facility to, prior to the disposal of any asbestos material provide satisfactory proof that the facility is duly registered and fully compliant in terms of the act, to receive the asbestos material. Under no circumstances is the Contractor nor any of his duly authorised representatives to sell and/or give away asbestos material to any member/s of the school community, the community in general or the public at large. Should this be found to be occurring, the Contractor will be held responsible contractually and may further be prosecuted criminally						
	The cost for complying with the above, and all requirements of regulation as reflected above is to be priced for in terms for removal of asbestos material. No further claims in this regard will therefore be entertained						
	<b><u>REMOVAL OF EXISTING WORK</u></b>	H3					
	<u>Take out and remove doors, windows, etc from existing brickwork to remain</u>	H3					
45	900 x 2 100mm high timber door and steel frame from one brick wall to remain	No	1			R	-
46	1 600 x 2 100mm high timber double door and steel frame in one brick wall to remain	No	2			R	-
	<u>Take down and remove glass &amp; mirrors</u>	H3					
47	Glass from steel windows including cleaning out rebates & preparing for new glass (new glass elsewhere)	m2	34			R	-
	<u>Taking down and removing roofs, floors, panelling, ceilings, partitions, etc.</u>	H3					
48	Asbestos roof sheeting including timber purlins, underlay, etc complete and the provision of a certificate of safe disposal for asbestos	m2	512			R	-
49	Take down and remove timber roof structure from the existing building including making good walls to receive new roof structure (elsewhere measured). Measured on flat.	m2	405			R	-
50	Nailed up flush plasterboard ceilings, nutec cement ceilings, covers strips, cornices, bandering, etc.	m2	405			R	-
51	Asbestos rainwater pipes and gutters and fixings	m	90			R	-
52	Asbestos fascia boards and fixings	m	90			R	-
53	Asbestos barge boards and fixings	m	25			R	-
Carried to summary						R	-



Item No	Description	UOM	Qty	Rate	Amount
	<b>SECTION 3: MATERNITY WARD</b>	H1			
	<b>BILL NO. 3</b>	H1			
	<b>ROOF COVERINGS, CLADDING, ETC. (PROVISIONAL)</b>	H1			
	<b>PREAMBLES</b>	H2			
	The tenderer is referred to the relevant clauses in the latest edition of the Model Preambles for Trades and to the Supplementary Preambles which are incorporated in this Bill of Quantities.	H2			
	<b>SUPPLEMENTARY PREAMBLES</b>	H2			
	Sheeting	H3			
	The roof sheeting shall be 0,55mm AZ150 ZincAl or equal approved IBR 686 profile roll-formed in continuous lengths and cut to length by a pneumatic cut-off process from certified Z275 galvanized steel complying with ISQ 550 (3T). A certificate verifying compliance shall be issued by the manufacturer.				
	Finish for AZ150 Zinalume	H3			
	The profile shall be supplied with a paint finish G550 consisting of a full top coat "Colourplus" or equal approved silicone modified polyester Colour: To match existing on one side and Cool Grey backing to other				
	Assembly	H3			
	The AZ150 ZincAl sheets shall be fixed to every purlin strictly in accordance with manufacturer's specifications. Holes through sheeting are to be drilled and NO punching of holes are allowed. 8mm Diameter x 75mm long fixing screws with 19mm diameter washer and rubber gasket are to be used. Every precaution shall be taken to prevent damage to roof sheets during all stages of construction. Duck boards should be used when necessary to protect the sheeting from damage. Sheeting which has become deformed or damaged in any way, shall be replaced				
	Flashings	H3			
	Flashings shall be approved by roof sheeting manufacturer and fixed to the sheeting with S10 clips to obviate any direct fixing perforations. Prior to flashings being fixed, all troughs at the apex shall be stop-ended to the full depth of the sheet in order to prevent any penetration of wind driven water. The trough shall be lipped at the eaves end to form a drip. Flashing flanges shall be notched to the sheet profile where necessary. All these operations must be performed with special tools available from the manufacturer. Care shall be taken to ensure that no sheeting or flashing will be cut with abrasive disc on roof surface in order to prevent steel splatter from penetrating colour coated areas. The flashings shall be supplied with a paint finish consisting of a full top coat silicon modified polyester Colour : White to one side				
	Quality Assurance	H3			
	The manufacturer shall be assessed and certified as complying with ISO 9001: 2008 Quality Management System				
	Guarantee	H3			
	AZ150 ZincAl or equal approved sheeting shall be laid in strict accordance with manufacturer's specifications by an approved contractor. The employer shall be provided with a ten year written guarantee on materials and a five year written guarantee on workmanship and water-tightness after final inspection of the roofs, by the manufacturer.				
	Handling and Storage	H3			
	The contractor shall ensure that all materials used on site for cladding, etc are transported, handled and stored in accordance with the manufacturer's recommendations. Material damaged shall be rejected and replaced with undamaged material at the contractor's expense. Repair of damaged material will not generally be permitted. Rates are to include for preventing damage and protecting sheets through all stages of construction				
	Inspection Prior to Installation or Erection	H3			
	Before commencing with installation, the contractor shall verify that the following items have been checked and accepted: a. The entire structure or the portion thereof to be sheeted has been correctly aligned, levelled and grouted b. Purlins and sheeting rails are at the correct spacing and are within the specified tolerances c. The corners of the roof are square and the wall framework is perpendicular or as specified d. No protrusions such as bolt heads, splice plates, cleats, etc. appear on the face of the framework e. All members to which roofing and cladding are to be fixed in aesthetically sensitive areas are true and square f. Paint and any other materials that may be incompatible with the sheeting, have been painted over or so dealt with that direct contact with the sheeting is avoided g. The contact faces between the purlins or the girts and the cladding are in the same plane. Should the alignment be inadequate, the contractor shall request instructions from the engineer before proceeding with the fixing of the cladding				
	Protrusion through Sheeted Surfaces	H3			
	Protrusions such as pipes, ducts and the like, shall be adequately flashed where they pass through the sheeting surface. Where ribs have to be cut away to permit penetration, additional framing is to be installed as required to support the sheeting. Depending on the position of the penetration through the roof, special attention shall be given to back flashing the sheeting to the ridge or point of water entry. In all cases, all cutting and flashings shall be so arranged that adequate provision is made for the drainage of all troughs and corrugation				
	<b>PROFIED METAL SHEETING AND ACCESSORIES</b>	H2			
	<b>(CPAP WORK GROUP NO. 125 UNLESS OTHERWISE STATED)</b>	H2			
	<u>0.55mm Zinalume IBR 686 sheeting and accessories with "Colorplus" finish (colour : Standard colour on one side and CoolGrey backing to other), in long lengths fixed using Class 3 Climaseal screws (8mm diameter with 26mm diameter washer and rubber gasket) as per manufacturer's recommendations for coastal areas to 50 x 76mm treated SA Pine purlins @ 1 100mm centres on Sisalation elsewhere measured</u>	H3			
57	Roof covering with pitch not exceeding 25 degrees	m2	512	R	-
58	Ridge covering 650mm girth, screwed through sheet to purlins	m	45	R	-
59	Moulded Metal Polyclosures for IBR roof sheeting profile color coated.	m	90	R	-
60	Extra over for turning up roof sheet at ridge	m	90	R	-
	<b>Carried Forward</b>			R	-



61	Brought Forward				R	-
	ROOF AND WALL INSULATION		H2			
	<u>"Sisalation 420" or equal approved heavy industrial grade aluminium foil based insulation</u>		H3			
	Insulation laid taut over rafters (at approximately 1 200mm centres) and fixed concurrent with purlins, etc including pvc coated steel straining wires		m2	512	R	-
						</

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Item No	Description	UOM	Qty	Rate	Amount
	<b>SECTION 3: MATERNITY WARD</b>	H1			
	<b>BILL NO. 5</b>	H1			
	<b>CEILINGS, PARTITIONS AND ACCESS FLOORING (PROVISIONAL)</b>	H1			
	<b>PREAMBLES</b>	H2			
	The tenderer is referred to the relevant clauses in the latest edition of the Model Preambles for Trades and to the Supplementary Preambles which are incorporated in this Bill of Quantities.	H3			
	<b>SUPPLEMENTARY PREAMBLES</b>	H2			
	Items described as "nailed" shall be deemed to be fixed with hardened steel nails or pins, or to be shot-pinned, to brickwork or concrete				
	Items described as "plugged" shall be deemed to include screwing to fibre, plastic or metal plugs at not exceeding 500mm centres, and where described as "bolted", the bolts have been given elsewhere				
	<b>NAILED UP CEILINGS</b>	H2			
	<u>4mm Fibre cement ceiling board with H-type pressed steel jointing strips.</u>	H3			
71	Ceilings including 38 x 38 sawn softwood brander at 400mm centres	m2	405		R -
72	Extra over ceiling for 610 x 610mm trap door of 38 x 50mm wrought softwood rebated framing with one 38 x 50mm sawn softwood cross brander covered with ceiling board and fitted flush in opening	No	2		R -
73	Extra over for opening for smoke detectors	No	3		R -
74	Extra over for opening for surface mounted lite fittings.	No	1		R -
75	Extra over for openings for extract grille.	No	3		R -
76	Extra over for opening for ceiling fan.	No	3		R -
	<u>Rhino gypsum plasterboard cornices</u>	H3			
77	75mm coved cornices	m	150		R -
	<b>ROOF INSULATION</b>	H3			
	<u>Isotherm thermal insulation</u>	H3			
78	100mm thick insulation closely fitted and laid on top of brand	m2	405		R -
Carried to Summary					R -

Item No	Description	UOM	Qty	Rate	Amount
	<b>SECTION 3: MATERNITY WARD</b>	H1			
	<b>BILL NO. 6</b>	H1			
	<b>IRONMONGERY (PROVISIONAL)</b>	H1			
	<b>PREAMBLES</b>	H2			
	The tenderer is referred to the relevant clauses in the latest edition of the Model Preambles for Trades and to the Supplementary Preambles which are incorporated in this Bill of Quantities.				
	<b>SUPPLEMENTARY PREAMBLES</b>	H2			
	<b>Keys/Locks</b>	H3			
	Each lock is to be distinctly numbered with consecutive numbers and each key is to be stamped with the corresponding number to the lock that it controls. All locks are to have two keys				
	Trade Names	H3			
	Where trade names are specified other ironmongery approved by the Principal Agent may be used				
	<b>Fixing</b>	H3			
	Fixing of ironmongery is deemed to be fixed to timber unless otherwise described				
	<b>IRONMONGERY</b>	H2			
	(CPAP WORK GROUP NO. 132 UNLESS OTHERWISE STATED)	H2			
	LOCKS	H2			
	Approved	H3			
79	Allow a prime cost amount of R1000.00 for supply and installation of three lever mortice lockset and furniture.	No	1	R	-
80	Allow a prime cost amount of R1500.00 for supply and installation of rebated three lever mortice lockset including rebate conversion kit and furniture.	No	2	R	-
	HANDLES	H2			
	Approved	H3			
81	Set of two 111mm pull handles fixed back to back	No	3	R	-
	SUNDRIES	H2			
	"Solid" or equal approved	H3			
82	38mm Diameter rubber floor/wall mounted door stop	No	2	R	-
	PUSH PLATES AND KICKING PLATES	H2			
	"Solid"	H3			
83	800mm x 200mm high x 2mm stainless steel kick plate with aluminium screw	No	6	R	-
Carried to Summary					R -

Item No	Description	UOM	Qty	Rate	Amount
	<b>SECTION 3: MATERNITY WARD</b>	H1			
	<b>BILL NO. 7</b>	H1			
	<b>STAINLESS STEEL</b>	H1			
	<b>PREAMBLES</b>	H2			
	The tenderer is referred to the relevant clauses in the latest edition of the Model Preambles for Trades and to the Supplementary Preambles which are incorporated in this Bill of Quantities.				
	<b>SUPPLEMENTARY PREAMBLES</b>	H2			
	(CPAP WORK GROUP NO. 141 UNLESS OTHERWISE STATED)				
	<b>STAINLESS STEEL</b>	H2			
	1,6mm thick approved galvanised double rebated frames with 1 and a half pair of standard steel butt hinges suitable for half brick walls	H3			
84	Frame for door size 813 x 2032 fixing into existing wall, including allnecessary preparations and making good, etc.	No	1	R	-
85	Frame for double door size 1613 x 2032 fixing into existing wall, including allnecessary preparations and making good, etc.	No	1	R	-
	<u>1,6mm thick approved galvanised double rebated frames with 1 and a half pair of standard steel butt hinges suitable for one brick walls</u>	H3			
86	Frame for door size 813 x 2032 fixing into existing wall, including allnecessary preparations and making good, etc.	m2	1	R	-
87	Frame for double door size 1613 x 2032 fixing into existing wall, including allnecessary preparations and making good, etc.		2	R	-
Carried to Summary					R -

Item No	Description	UOM	Qty	Rate	Amount
	<b>SECTION 3: MATERNITY WARD</b>	H1			
	<b>BILL NO. 8</b>	H1			
	<b>PLASTERING (PROVISIONAL)</b>	H1			
	<b>PREAMBLES</b>	H2			
	The tenderer is referred to the relevant clauses in the latest edition of the Model Preambles for Trades and to the Supplementary Preambles which are incorporated in this Bill of Quantities.				
	<b>SUPPLEMENTARY PREAMBLES</b>	H2			
	(CPAP WORK GROUP NO. 142 UNLESS OTHERWISE STATED)				
	<b>INTERNAL PLASTER</b>	H2			
	<u>Cement plaster trowelled smooth on brickwork</u>	H3			
88	On walls in small areas	m2	40		R -
	<b>EXTERNAL PLASTER</b>	H2			
	<u>Cement plaster trowelled smooth on brickwork</u>	H3			
89	On walls in small areas	m2	40		R -
Carried to Summary					R -

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Item No	Description	UOM	Qty	Rate	Amount
	<u>SECTION 3: MATERNITY WARD</u>	H1			
	<u>BILL NO. 10</u>	H1			
	<u>GLAZING (PROVISIONAL)</u>	H1			
	<u>PREAMBLES</u>	H2			
	The tenderer is referred to the relevant clauses in the latest edition of the Model Preambles for Trades and to the Supplementary Preambles which are incorporated in this Bill of Quantities.				
	(CPAP WORK GROUP NO. 150 UNLESS OTHERWISE STATED)	H2			
	<u>GLAZING TO STEEL WITH PUTTY</u>	H2			
	<u>6.0mm clear toughened glass secured into galvanized window with a compatible UV resistant sealant</u>	H3			
97	Panes exceeding 0,1m2 and not exceeding 0,5m2 fixed to existing steel windows.	m2	34		R -
98	Issue of Glazing Certificate.	Item	1		R -
Carried to summary					R -



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<b>SECTION 3: MATERNITY WARD</b>				
<b>SECTION SUMMARY - BILL OF QUANTITIES</b>		<b>PAGE NO</b>	<b>AMOUNT</b>	
1	Alterations (Provisional)	14	R	-
2	Masonry (Provisional)	15	R	-
3	Roof Coverings, etc. (Provisional)	17	R	-
4	Carpentry and Joinery (Provisional)	18	R	-
5	Ceilings, Partitioning and Access Flooring (Provisional)	19	R	-
6	Ironmongery (Provisional)	20	R	-
7	Stainless Steel	21	R	-
8	Plastering (Provisional)	22	R	-
9	Plumbing and Drainage (Provisional)	23	R	-
10	Glazing (Provisional)	24	R	-
11	Paintwork (Provisional)	25	R	-
Carried To Final Summary				R -

Item No	Description	UOM	Qty	Rate	Amount
	<b>SECTION 4: SMALL BUILDING AND VERANDA</b>	H1			
	<b><u>BILL NO. 1</u></b>	H1			
	<b><u>ALTERATIONS (PROVISIONAL)</u></b>	H1			
	<b><u>MODEL PREAMBLES</u></b>	H2			
	The tenderer is referred to the relevant clauses in the latest edition of the Model Preambles for Trades and to the Supplementary Preambles which are incorporated in this Bill of Quantities.	H2			
	<b><u>SUPPLEMENTARY PREAMBLES</u></b>	H2			
	Existing Furniture, Equipment, etc	H3			
	The Contractor shall not remove or damage any furniture, equipment or similar items that belong to the Department except when specifically described in the items to follow: The Contractor must give the Principal Agent sufficient notice if the removal of these items are required before any prescribed alterations can be done				
	Damage to existing finishes	H3			
	The Contractor will be held responsible for all damage however caused to existing finishes and fittings, etc. and he must make good all damage at his own expense to the approval of the Principal Agent. Breaking down, demolition and alteration activities and tasks, hacking off of existing plaster, etc. is to be executed with care so as to prevent damage to remaining floor and wall surfaces and finishes (where these are to be retained). Tenders will be deemed to include allowance for any necessary protection of existing surfaces and structures as may be necessary to effect the above, as the cost of repairing damage to existing surfaces and structures will be solely for the Contractors account				
	Responsibility for site	H3			
	The Contractor is to note that upon possession of the site by himself, and extending until practical completion is achieved, he is solely responsible for the site, site security, general upkeep and cleaning of the site and all other responsibilities in maintaining a construction site in conformance with but not limited to, the Construction Regulations 2014, all local by-laws, all user client regulations, and all Client regulations and procedures. Tenderers are therefore urged to study all available material and to investigate the site fully and areas contiguous to the site, in order to determine the range and extent of responsibility. No additional monetary and/or time claims will be entertained in respect of the above				
	Explosives	H3			
	No explosives whatsoever may be used for demolition purposes unless otherwise stated				
	General	H3			
	The Contractor shall carry out the whole of the works with as little mess and noise as possible and with a minimum amount of disturbance to adjoining classroom blocks and their students. He shall provide proper protection of the works and provide, erect and remove when directed, any temporary tarpaulins that may be necessary during the progress of the works, all to the satisfaction of the Principal Agent				
	Water supply pipes and other piping that may be encountered and found necessary to disconnect or cut, shall be effectually stopped off or grubbed up and removed, and any new connections that may be necessary shall be made with proper fittings, to the satisfaction of the Principal Agent				
	Doors, fanlights, fittings, frames, linings, etc which are to be re-used shall be thoroughly overhauled before refixing including taking off, easing and rehanging, cramping up, re-wedging as required and making good cramps, dowels, etc, and easing, oiling, adjusting and repairing ironmongery as necessary, replacing any glass damaged in removal or subsequently and stopping up all nail and screw holes with tinted plastic wood to match timber, unless otherwise described. Re-painting or re-varnishing is given separately				
	"Taking out and removing doors, windows, etc" implies that the door, etc is to be carefully taken down together with the frame, linings, architraves, window sills, etc complete and where brick lintels occur, it must be supported and propped until the openings are built up or new doors or windows built in position				
	Prices for taking out and removing doors and frames shall include for removing door stops, cabin hooks, etc. and making good floor and wall finishes to match existing				
	"Forming openings" for doors or windows, etc implies that the plaster or any other covering is to be hacked off and an opening formed sufficient in size to receive the building in of the frame and cramps, and the forming of new dampproof courses, lintels, sills, etc. After building in of the new frame, the opening is to be built against the frame, plaster or faced brickwork to be made good both sides and reveals and floor screeds prepared for finishings to match existing				
	"Making good" implies that all necessary repairs are to be made to reinstate articles that may be damaged through the removal or otherwise, and the supplying of any new materials to match existing work, and is to include any necessary repairs to adjacent finishings such as floors, skirtings, plaster, painting, etc and such making good is to match adjoining work in all respects and in all trades				
	The Contractor will be required to take all dimensions affecting the existing buildings on the site and he will be held solely responsible for the accuracy of all such dimensions where used in the manufacture of new items (doors, windows, fittings, etc)				
	The Contractor to acknowledge that sequencing of the work will be necessary to accommodate the operational aspects of the school. The Contractor to accordingly factor the above requirement in the construction programme and pricing				
	"Breaking down and removing" walls, etc implies that the wall is to be taken down to the extent shown on the drawings or as may be described and that all necessary shoring is to be provided and allowed for to ensure the safety of the building during the pulling down or until new walls are erected and all portions of the remaining walls where disturbed or affected by the removal are to be made good and left ready for plaster or other finishings as described				
	Where removal is included in the heading, sub-heading or item description, prices shall be deemed to include for the necessary costs of removal and appropriate disposal of materials including but not limited to labour, transportation and disposal costs. No further claims in this regard will be entertained				
	"Building up openings" implies that after the removal of any doors, windows or screens that may be described to be taken down, the opening is to be filled up solid (or to the thickness as shown) with new brickwork and is to include all necessary cutting away to form toothings to thoroughly bond to the new work and new finishes to both sides as described.				
	<b>Carried Forward</b>				
				<b>R</b>	<b>-</b>

	<b>Brought Forward</b>				R	-
	Removal of asbestos material	H3				
	All preparatory work, alterations, etc., to existing asbestos cement roof sheeting, gutters, rainwater pipes, etc., is to be carried out strictly by an approved and certified specialist company and in accordance with statutory requirements (Occupational Health and Safety Act, 1993 - Asbestos Regulations 2001) and all necessary precautions must be taken when working with and disposing of asbestos cement products and the disposal of waste water resulting from cleaning operations, etc.					
	The following shall apply in respect of asbestos removal	H3				
	The removal of asbestos shall be carried out by a certified entity, registered in accordance with the Occupational Health and Safety Act, 1993 and the Asbestos Regulations 2001. Asbestos in all forms/building elements that is to be removed, shall be carried out in strict accordance with aforementioned regulation and a certificate issued by the entity as contemplated in the above, shall be provided per block for the removal thereof, where the term block shall in this context refer to any single, free standing building structure, regardless of size or purpose					
	Corresponding disposal certificates shall be issued by the facility at which the asbestos is disposed off, with said facility to, prior to the disposal of any asbestos material provide satisfactory proof that the facility is duly registered and fully compliant in terms of the act, to receive the asbestos material. Under no circumstances is the Contractor nor any of his duly authorised representatives to sell and/or give away asbestos material to any member/s of the school community, the community in general or the public at large. Should this be found to be occurring, the Contractor will be held responsible contractually and may further be prosecuted criminally					
	Corresponding disposal certificates shall be issued by the facility at which the asbestos is disposed off, with said facility to, prior to the disposal of any asbestos material provide satisfactory proof that the facility is duly registered and fully compliant in terms of the act, to receive the asbestos material. Under no circumstances is the Contractor nor any of his duly authorised representatives to sell and/or give away asbestos material to any member/s of the school community, the community in general or the public at large. Should this be found to be occurring, the Contractor will be held responsible contractually and may further be prosecuted criminally					
	The cost for complying with the above, and all requirements of regulation as reflected above is to be priced for in terms for removal of asbestos material. No further claims in this regard will therefore be entertained					
	<b><u>REMOVAL OF EXISTING WORK</u></b>	H3				
	<u>Taking down and removing roofs, floors, panelling, ceilings, partitions, etc.</u>	H3				
107	Asbestos roof sheeting including timber purlins, underlay, etc complete and the provision of a certificate of safe disposal for asbestos	m2	250		R	-
108	Take down and remove timber roof structure from the existing building size 192m2 including making good walls to receive new roof structure (elsewhere measured)	m2	192		R	-
109	Nailed up flush plasterboard ceilings, nutec cement ceilings, covers strips, cornices, branderling, etc.	m2	192		R	-
110	Asbestos rainwater pipes and gutters and fixings	m	20		R	-
111	Asbestos fascia boards and fixings	m	20		R	-
112	Asbestos barge boards and fixings	m	25		R	-
	<b>Carried to summary</b>				R	-

Item No	Description	UOM	Qty	Rate	Amount
	<b><u>SECTION 4: SMALL BUILDING AND VERANDA</u></b>	H1			
	<b><u>BILL NO. 2</u></b>	H1			
	<b><u>MASONRY (PROVISIONAL)</u></b>	H1			
	<b><u>MODEL PREAMBLES</u></b>	H2			
	The tenderer is referred to the relevant clauses in the latest edition of the Model Preambles for Trades and to the Supplementary Preambles which are incorporated in this Bill of Quantities.	H2			
	<b><u>SUPPLEMENTARY PREAMBLES</u></b>	H2			
	<b>BRICKWORK</b>	H2			
	(CPAP WORK GROUP NO. 116 UNLESS OTHERWISE STATED)	H2			
	Sizes in descriptions	H3			
	Where sizes in descriptions are given in brick units, "one brick" shall represent the length and "half brick" the width of a brick				
	Bricks	H3			
	Clay & concrete bricks are to comply with N.H.B.R.C Part 2, Section 3				
	Hollow walls etc	H3			
	Descriptions of hollow walls shall be deemed to include leaving every fifth perpend of the bottom course of the external skin open as a weep hole.				
	Walls in two skins described as "bagged and sealed" shall be deemed to include having the outer face of the inner skin bagged with 1:6 cement and sand mixture and sealed with two coats "Brixéal" bitumen emulsion waterproofing coating.				
	Pointing	H3			
	All pointing of exposed joints to be concave				
	Samples	H3			
	Samples of all masonry building units, except those of walls described as "loadbearing", shall consist of a minimum of 6 units. Samples of building units to be used in walls described as "loadbearing" shall consist of 30 units from every 30 000 units delivered to site				
	<b><u>SUPERSTRUCTURE</u></b>	H2			
	<u>Brickwork of NFP bricks in class II mortar</u>	H3			
113	Half brick walls in beamfilling	m2	8	R	-
	<b><u>BRICKWORK SUNDRIES</u></b>	H2			
	<u>Galvanized brickwork reinforcement</u>	H3			
114	75mm Wide reinforcement built in horizontally	m	32	R	-
	<u>Galvanised hoop iron cramps, ties, etc</u>	H3			
115	30 x 1,6mm Roof tie 1,5m long with one end fixed to timber and other end cast into concrete	No	24	R	-
<b>Carried to summary</b>					R -

Item No	Description	UOM	Qty	Rate	Amount
	<b>SECTION 4: SMALL BUILDING AND VERANDA</b>	H1			
	<b>BILL NO. 3</b>	H1			
	<b>ROOF COVERINGS, CLADDING, ETC. (PROVISIONAL)</b>	H1			
	<b>PREAMBLES</b>	H2			
	The tenderer is referred to the relevant clauses in the latest edition of the Model Preambles for Trades and to the Supplementary Preambles which are incorporated in this Bill of Quantities.	H2			
	<b>SUPPLEMENTARY PREAMBLES</b>	H2			
	Sheeting	H3			
	The roof sheeting shall be 0,55mm AZ150 ZincAl or equal approved IBR 686 profile roll-formed in continuous lengths and cut to length by a pneumatic cut-off process from certified Z275 galvanized steel complying with ISQ 550 (3T). A certificate verifying compliance shall be issued by the manufacturer.				
	Finish for AZ150 Zinalume	H3			
	The profile shall be supplied with a paint finish G550 consisting of a full top coat "Colourplus" or equal approved silicone modified polyester Colour: To match existing on one side and Cool Grey backing to other				
	Assembly	H3			
	The AZ150 ZincAl sheets shall be fixed to every purlin strictly in accordance with manufacturer's specifications. Holes through sheeting are to be drilled and NO punching of holes are allowed. 8mm Diameter x 75mm long fixing screws with 19mm diameter washer and rubber gasket are to be used. Every precaution shall be taken to prevent damage to roof sheets during all stages of construction. Duck boards should be used when necessary to protect the sheeting from damage. Sheeting which has become deformed or damaged in any way, shall be replaced				
	Flashings	H3			
	Flashings shall be approved by roof sheeting manufacturer and fixed to the sheeting with S10 clips to obviate any direct fixing perforations. Prior to flashings being fixed, all troughs at the apex shall be stop-ended to the full depth of the sheet in order to prevent any penetration of wind driven water. The trough shall be lipped at the eaves end to form a drip. Flashing flanges shall be notched to the sheet profile where necessary. All these operations must be performed with special tools available from the manufacturer. Care shall be taken to ensure that no sheeting or flashing will be cut with abrasive disc on roof surface in order to prevent steel splatter from penetrating colour coated areas. The flashings shall be supplied with a paint finish consisting of a full top coat silicon modified polyester Colour : White to one side				
	Quality Assurance	H3			
	The manufacturer shall be assessed and certified as complying with ISO 9001: 2008 Quality Management System				
	Guarantee	H3			
	AZ150 ZincAl or equal approved sheeting shall be laid in strict accordance with manufacturer's specifications by an approved contractor. The employer shall be provided with a ten year written guarantee on materials and a five year written guarantee on workmanship and water-tightness after final inspection of the roofs, by the manufacturer.				
	Handling and Storage	H3			
	The contractor shall ensure that all materials used on site for cladding, etc are transported, handled and stored in accordance with the manufacturer's recommendations. Material damaged shall be rejected and replaced with undamaged material at the contractor's expense. Repair of damaged material will not generally be permitted. Rates are to include for preventing damage and protecting sheets through all stages of construction				
	Inspection Prior to Installation or Erection	H3			
	Before commencing with installation, the contractor shall verify that the following items have been checked and accepted: a. The entire structure or the portion thereof to be sheeted has been correctly aligned, levelled and grouted b. Purlins and sheeting rails are at the correct spacing and are within the specified tolerances c. The corners of the roof are square and the wall framework is perpendicular or as specified d. No protrusions such as bolt heads, splice plates, cleats, etc. appear on the face of the framework e. All members to which roofing and cladding are to be fixed in aesthetically sensitive areas are true and square f. Paint and any other materials that may be incompatible with the sheeting, have been painted over or so dealt with that direct contact with the sheeting is avoided g. The contact faces between the purlins or the girts and the cladding are in the same plane. Should the alignment be inadequate, the contractor shall request instructions from the engineer before proceeding with the fixing of the cladding				
	Protrusion through Sheeted Surfaces	H3			
	Protrusions such as pipes, ducts and the like, shall be adequately flashed where they pass through the sheeting surface. Where ribs have to be cut away to permit penetration, additional framing is to be installed as required to support the sheeting. Depending on the position of the penetration through the roof, special attention shall be given to back flashing the sheeting to the ridge or point of water entry. In all cases, all cutting and flashings shall be so arranged that adequate provision is made for the drainage of all troughs and corrugation				
	<b>PROFIED METAL SHEETING AND ACCESSORIES</b>	H2			
	<b>(CPAP WORK GROUP NO. 125 UNLESS OTHERWISE STATED)</b>	H2			
	<u>0.55mm Zinalume IBR 686 sheeting and accessories with "Colorplus" finish (colour : Standard colour on one side and CoolGrey backing to other), in long lengths fixed using Class 3 Climaseal screws (8mm diameter with 26mm diameter washer and rubber gasket) as per manufacturer's recommendations for coastal areas to 50 x 76mm treated SA Pine purlins @ 1 100mm centres on Sisalation elsewhere measured</u>	H3			
116	Roof covering with pitch not exceeding 25 degrees	m2	250		R -
117	Ridge covering 650mm girth, screwed through sheet to purlins	m	12		R -
118	Moulded Metal Polyclosures for IBR roof sheeting profile color coated.	m	24		R -
119	Extra over for turning up roof sheet at ridge	m	24		R -
	<b>Carried Forward</b>				R -

[illegible]

Item No	Description	UOM	Qty	Rate	Amount
	<b>SECTION 4: SMALL BUILDING AND VERANDA</b>	H1			
	<b>BILL NO. 4</b>	H1			
	<b>CARPENTRY AND JOINERY (PROVISIONAL)</b>	H1			
	<b>PREAMBLES</b>	H2			
	The tenderer is referred to the relevant clauses in the latest edition of the Model Preambles for Trades and to the Supplementary Preambles which are incorporated in this Bill of Quantities.	H3			
	<b>SUPPLEMENTARY PREAMBLES</b>	H2			
	Proprietary products in descriptions:	H3			
	Proprietary products shall be used as specified. Substitute products of similar quality and specification may only be used with prior approval by the Principal Agent.				
	Prefabricated roof trusses:				
	Prefabricated timber roof trusses shall be constructed of South African pine by a firm of specialist designer manufacturer's as approved by the Architect.				
	Joinery:				
	Descriptions of hardwood joinery shall be deemed to include pelleting of bolt holes.				
	Fixing:				
	All nailing of timber roof trusses, purlins, etc shall be done with galvanised nails. In coastal areas, copper, aluminium or stainless steel nails shall be used.				
	Items described as 'nailed' shall be deemed to be fixed with hardened steel nails or shot pins to brickwork or concrete.				
	Where items are described as 'bolted' the bolts have been measured elsewhere.				
	<b>ROOFS, ETC</b>	H2			
	<b>PLATE NAILED TIMBER ROOF TRUSS CONSTRUCTION ETC</b>	H2			
	<b>SUPPLEMENTARY PREAMBLES</b>	H3			
	Tenderers referred to the attached roof plan, sections, elevations, mechanical and electrical drawings before pricing these items.				
	Dimensions in descriptions of trusses are nominal and actual measurements are to be obtained on site before design or fabrication commences.				
	Roof coverings are steel sheeting on purlins.				
	Ceilings are nailed up flush plaster board including brandering.				
121	Design supply and install timber roof complete approximate area on plan 192m2, including trusses, rafters, posts, ties beams, gang boarding, temporary permanent bracing, Hurricane Clips etc.	No	1	R	-
122	Allowance for the issue of TR1 and TR2 certificates after completion of roof installation, signed by a competent person	Item	1	R	-
	<u>Sawn softwood:</u>				
123	38 x 114mm Wall plate.	m	24	R	-
124	76 x 50mm Purlins	m	160	R	-
125	76 x114 False rafter fixed to ends of rafters to receive fascia boards (elsewhere)	m	50	R	-
	<b>EAVES, VERGES, ETC.</b>				
	<u>Medium density plain fibre-cement fascias and barge boards</u>				
126	12mm x 225mm Fascia boards including aluminium H- profile fascia joiners fixed with galvanised screws and washers	m	25	R	-
	<u>Fibre-cement socketless barge boards</u>				
127	200mm x 80mm Barge boards, including aluminium H-profile jointing strips etc	m	25	R	-
	<b>Carried to summary</b>				
				R	-



Item No	Description	UOM	Qty	Rate	Amount
	<b>SECTION 4: SMALL BUILDING AND VERANDA</b>	H1			
	<b>BILL NO. 5</b>	H1			
	<b>CEILINGS, PARTITIONS AND ACCESS FLOORING (PROVISIONAL)</b>	H1			
	<b>PREAMBLES</b>	H2			
	The tenderer is referred to the relevant clauses in the latest edition of the Model Preambles for Trades and to the Supplementary Preambles which are incorporated in this Bill of Quantities.	H3			
	<b>SUPPLEMENTARY PREAMBLES</b>	H2			
	Items described as "nailed" shall be deemed to be fixed with hardened steel nails or pins, or to be shot-pinned, to brickwork or concrete				
	Items described as "plugged" shall be deemed to include screwing to fibre, plastic or metal plugs at not exceeding 500mm centres, and where described as "bolted", the bolts have been given elsewhere				
	<b>NAILED UP CEILINGS</b>	H2			
	<u>4mm Fibre cement ceiling board with H-type pressed steel jointing strips</u>	H3			
128	Ceilings including 38 x 38 sawn softwood brander at 400mm centres	m2	192		R -
129	Extra over ceiling for 610 x 610mm trap door of 38 x 50mm wrought softwood rebated framing with one 38 x 50mm sawn softwood cross brander covered with ceiling board and fitted flush in opening	No	4		R -
130	Extra over for opening for smoke detectors	No	1		R -
131	Extra over for opening for surface mounted lite fittings.	No	1		R -
132	Extra over for openings for extract grille.	No	1		R -
133	Extra over for opening for ceiling fan.	No	1		R -
	<u>Rhino gypsum plasterboard cornices</u>	H3			
134	75mm coved cornices	m	60		R -
	<b>ROOF INSULATION</b>	H3			
	<u>Isotherm thermal insulation</u>	H3			
135	100mm thick insulation closely fitted and laid on top of brand	m2	192		R -
Carried to Summary					R -

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Item No	Description	UOM	Qty	Rate	Amount
	<b><u>SECTION 4: SMALL BUILDING AND VERANDA</u></b>	H1			
	<b><u>BILL NO. 8</u></b>	H1			
	<b><u>PAINTWORK (PROVISIONAL)</u></b>	H1			
	<b><u>PREAMBLES</u></b>	H2			
	The tenderer is referred to the relevant clauses in the latest edition of the Model Preambles for Trades and to the Supplementary Preambles which are incorporated in this Bill of Quantities.				
	<b><u>SUPPLEMENTARY PREAMBLES</u></b>	H2			
	Where trade names are specified it will read "or equal approved"				
	<b><u>PAINTWORK TO NEW WORK</u></b>	H2			
	<b><u>ON FLOATED PLASTER</u></b>	H2			
	<u>Prepare and brush surface to remove all loose contaminants and apply one coat plaster primer, one coat universal undercoat and two coats approved emulsion paint for interior use</u>	H3			
145	On internal walls	m2	8	R	-
	<u>Prepare and brush surface to remove all loose contaminants and apply one coat plaster primer, one coat universal undercoat and two coats approved emulsion paint for interior use</u>	H3			
146	On external walls	m2	8	R	-
	<b><u>ON PLASTER BOARD</u></b>	H2			
	<u>Prepare and brush surface to remove loose contaminants and apply one coat approved alkali resistant primer, and two coats including priming male heads, one universal undercoat</u>	H3			
147	On ceilings	m2	120	R	-
148	On cornices	m	40	R	-
	<b><u>ON FIBRE CEMENT</u></b>	H2			
	<u>Prepare and brush surface to remove loose contaminants and apply one coat alkali resistant primer, one coat universal undercoat and apply two coats "Super Universal Enamel" paint;</u>	H3			
149	On fascias and barge boards	m2	15	R	-
	<b><u>ON WOOD</u></b>	H2			
	<u>Prepare and brush surface to remove all loose contaminants and apply two coats approved carbolineum anti-corrosive coal tar paint</u>	H3			
150	On roof timbers at eaves and verges	m2	24	R	-
	<b><u>PAINTWORK TO EXISTING WORK</u></b>	H2			
	<u>Clean down, make all necessary preparations, including necessary skimming where required, fixing of cracks in walls, etc apply one universal undercoat and two coats emulsion paint on existing plastered wall.</u>				
151	On internal walls	m2	210	R	-
152	On external walls	m2	150	R	-
	Carried to summary				
					R -

SECTION 4: SMALL BUILDING AND VERANDA					
SECTION SUMMARY - BILL OF QUANTITIES		PAGE NO		AMOUNT	
1	Alterations (Provisional)	28		R	-
2	Masonry (Provisional)	29		R	-
3	Roof Coverings, etc. (Provisional)	31		R	-
4	Carpentry and Joinery (Provisional)	32		R	-
5	Ceilings, Partitioning and Access Flooring (Provisional)	33		R	-
6	Plastering (Provisional)	34		R	-
7	Plumbing and Drainage (Provisional)	35		R	-
8	Paintwork (Provisional)	36		R	-
Carried To Final Summary				R	-

Item No	Description	UOM	Qty	Rate	Amount
	<b>SECTION 5: PEDIATRIC WARD</b>	H1			
	<b>BILL NO. 1</b>	H1			
	<b>ALTERATIONS (PROVISIONAL)</b>	H1			
	<b>MODEL PREAMBLES</b>	H2			
	The tenderer is referred to the relevant clauses in the latest edition of the Model Preambles for Trades and to the Supplementary Preambles which are incorporated in this Bill of Quantities.	H2			
	<b>SUPPLEMENTARY PREAMBLES</b>	H2			
	Existing Furniture, Equipment, etc	H3			
	The Contractor shall not remove or damage any furniture, equipment or similar items that belong to the Department except when specifically described in the items to follow: The Contractor must give the Principal Agent sufficient notice if the removal of these items are required before any prescribed alterations can be done				
	Damage to existing finishes	H3			
	The Contractor will be held responsible for all damage however caused to existing finishes and fittings, etc. and he must make good all damage at his own expense to the approval of the Principal Agent. Breaking down, demolition and alteration activities and tasks, hacking off of existing plaster, etc. is to be executed with care so as to prevent damage to remaining floor and wall surfaces and finishes (where these are to be retained). Tenders will be deemed to include allowance for any necessary protection of existing surfaces and structures as may be necessary to effect the above, as the cost of repairing damage to existing surfaces and structures will be solely for the Contractors account				
	Responsibility for site	H3			
	The Contractor is to note that upon possession of the site by himself, and extending until practical completion is achieved, he is solely responsible for the site, site security, general upkeep and cleaning of the site and all other responsibilities in maintaining a construction site in conformance with but not limited to, the Construction Regulations 2014, all local by-laws, all user client regulations, and all Client regulations and procedures. Tenderers are therefore urged to study all available material and to investigate the site fully and areas contiguous to the site, in order to determine the range and extent of responsibility. No additional monetary and/or time claims will be entertained in respect of the above				
	Explosives	H3			
	No explosives whatsoever may be used for demolition purposes unless otherwise stated				
	General	H3			
	The Contractor shall carry out the whole of the works with as little mess and noise as possible and with a minimum amount of disturbance to adjoining classroom blocks and their students. He shall provide proper protection of the works and provide, erect and remove when directed, any temporary tarpaulins that may be necessary during the progress of the works, all to the satisfaction of the Principal Agent				
	Water supply pipes and other piping that may be encountered and found necessary to disconnect or cut, shall be effectually stopped off or grubbed up and removed, and any new connections that may be necessary shall be made with proper fittings, to the satisfaction of the Principal Agent				
	Doors, fanlights, fittings, frames, linings, etc which are to be re-used shall be thoroughly overhauled before refixing including taking off, easing and rehanging, cramping up, re-wedging as required and making good cramps, dowels, etc, and easing, oiling, adjusting and repairing ironmongery as necessary, replacing any glass damaged in removal or subsequently and stopping up all nail and screw holes with tinted plastic wood to match timber, unless otherwise described. Re-painting or re-varnishing is given separately				
	"Taking out and removing doors, windows, etc" implies that the door, etc is to be carefully taken down together with the frame, linings, architraves, window sills, etc complete and where brick lintels occur, it must be supported and propped until the openings are built up or new doors or windows built in position				
	Prices for taking out and removing doors and frames shall include for removing door stops, cabin hooks, etc. and making good floor and wall finishes to match existing				
	"Forming openings" for doors or windows, etc implies that the plaster or any other covering is to be hacked off and an opening formed sufficient in size to receive the building in of the frame and cramps, and the forming of new dampproof courses, lintels, sills, etc. After building in of the new frame, the opening is to be built against the frame, plaster or faced brickwork to be made good both sides and reveals and floor screeds prepared for finishings to match existing				
	"Making good" implies that all necessary repairs are to be made to reinstate articles that may be damaged through the removal or otherwise, and the supplying of any new materials to match existing work, and is to include any necessary repairs to adjacent finishings such as floors, skirtings, plaster, painting, etc and such making good is to match adjoining work in all respects and in all trades				
	The Contractor will be required to take all dimensions affecting the existing buildings on the site and he will be held solely responsible for the accuracy of all such dimensions where used in the manufacture of new items (doors, windows, fittings, etc)				
	The Contractor to acknowledge that sequencing of the work will be necessary to accommodate the operational aspects of the school. The Contractor to accordingly factor the above requirement in the construction programme and pricing				
	"Breaking down and removing" walls, etc implies that the wall is to be taken down to the extent shown on the drawings or as may be described and that all necessary shoring is to be provided and allowed for to ensure the safety of the building during the pulling down or until new walls are erected and all portions of the remaining walls where disturbed or affected by the removal are to be made good and left ready for plaster or other finishings as described				
	Where removal is included in the heading, sub-heading or item description, prices shall be deemed to include for the necessary costs of removal and appropriate disposal of materials including but not limited to labour, transportation and disposal costs. No further claims in this regard will be entertained				
	<b>Carried Forward</b>				
					<b>R -</b>



[illegible]



Item No	Description	UOM	Qty	Rate	Amount
	<b><u>SECTION 5: PEDIATRIC WARD</u></b>	H1			
	<b><u>BILL NO. 3</u></b>	H1			
	<b><u>ROOF COVERINGS, CLADDING, ETC. (PROVISIONAL)</u></b>	H1			
	<b><u>PREAMBLES</u></b>	H2			
	The tenderer is referred to the relevant clauses in the latest edition of the Model Preambles for Trades and to the Supplementary Preambles which are incorporated in this Bill of Quantities.	H2			
	<b><u>SUPPLEMENTARY PREAMBLES</u></b>	H2			
	Sheeting	H3			
	The roof sheeting shall be 0,55mm AZ150 ZincAl or equal approved IBR 686 profile roll-formed in continuous lengths and cut to length by a pneumatic cut-off process from certified Z275 galvanized steel complying with ISQ 550 (3T). A certificate verifying compliance shall be issued by the manufacturer.				
	Finish for AZ150 Zinalume	H3			
	The profile shall be supplied with a paint finish G550 consisting of a full top coat "Colourplus" or equal approved silicone modified polyester Colour: To match existing on one side and Cool Grey backing to other				
	Assembly	H3			
	The AZ150 ZincAl sheets shall be fixed to every purlin strictly in accordance with manufacturer's specifications. Holes through sheeting are to be drilled and NO punching of holes are allowed. 8mm Diameter x 75mm long fixing screws with 19mm diameter washer and rubber gasket are to be used. Every precaution shall be taken to prevent damage to roof sheets during all stages of construction. Duck boards should be used when necessary to protect the sheeting from damage. Sheetting which has become deformed or damaged in any way, shall be replaced				
	Flashings	H3			
	Flashings shall be approved by roof sheeting manufacturer and fixed to the sheeting with S10 clips to obviate any direct fixing perforations. Prior to flashings being fixed, all troughs at the apex shall be stop-ended to the full depth of the sheet in order to prevent any penetration of wind driven water. The trough shall be lipped at the eaves end to form a drip. Flashing flanges shall be notched to the sheet profile where necessary. All these operations must be performed with special tools available from the manufacturer. Care shall be taken to ensure that no sheeting or flashing will be cut with abrasive disc on roof surface in order to prevent steel splatter from penetrating colour coated areas. The flashings shall be supplied with a paint finish consisting of a full top coat silicon modified polyester Colour : White to one side				
	Quality Assurance	H3			
	The manufacturer shall be assessed and certified as complying with ISO 9001: 2008 Quality Management System				
	Guarantee	H3			
	AZ150 ZincAl or equal approved sheeting shall be laid in strict accordance with manufacturer's specifications by an approved contractor. The employer shall be provided with a ten year written guarantee on materials and a five year written guarantee on workmanship and water-tightness after final inspection of the roofs, by the manufacturer.				
	Handling and Storage	H3			
	The contractor shall ensure that all materials used on site for cladding, etc are transported, handled and stored in accordance with the manufacturer's recommendations. Material damaged shall be rejected and replaced with undamaged material at the contractor's expense. Repair of damaged material will not generally be permitted. Rates are to include for preventing damage and protecting sheets through all stages of construction				
	Inspection Prior to Installation or Erection	H3			
	Before commencing with installation, the contractor shall verify that the following items have been checked and accepted: a. The entire structure or the portion thereof to be sheeted has been correctly aligned, levelled and grouted b. Purlins and sheeting rails are at the correct spacing and are within the specified tolerances c. The corners of the roof are square and the wall framework is perpendicular or as specified d. No protrusions such as bolt heads, splice plates, cleats, etc. appear on the face of the framework e. All members to which roofing and cladding are to be fixed in aesthetically sensitive areas are true and square f. Paint and any other materials that may be incompatible with the sheeting, have been painted over or so dealt with that direct contact with the sheeting is avoided g. The contact faces between the purlins or the girts and the cladding are in the same plane. Should the alignment be inadequate, the contractor shall request instructions from the engineer before proceeding with the fixing of the cladding				
	Protrusion through Sheeted Surfaces	H3			
	Protrusions such as pipes, ducts and the like, shall be adequately flashed where they pass through the sheeting surface. Where ribs have to be cut away to permit penetration, additional framing is to be installed as required to support the sheeting. Depending on the position of the penetration through the roof, special attention shall be given to back flashing the sheeting to the ridge or point of water entry. In all cases, all cutting and flashings shall be so arranged that adequate provision is made for the drainage of all troughs and corrugation				
	<b><u>PROFILED METAL SHEETING AND ACCESSORIES</u></b>	H2			
	<b><u>(CPAP WORK GROUP NO. 125 UNLESS OTHERWISE STATED)</u></b>	H2			
	<u>0,55mm Zinalume IBR 686 sheeting and accessories with "Colorplus" finish (colour : Standard colour on one side and CoolGrey backing to other), in long lengths fixed using Class 3 Climaseal screws (8mm diameter with 26mm diameter washer and rubber gasket) as per manufacturer's recommendations for coastal areas to 50 x 76mm treated SA Pine purlins @ 1 100mm centres on Sisalation elsewhere measured</u>	H3			
161	Roof covering with pitch not exceeding 25 degrees	m2	1050		R -
162	Ridge covering 650mm girth, screwed through sheet to purlins	m	150		R -
	<b>Carried Forward</b>				R -

[illegible]

Item No	Description	UOM	Qty	Rate	Amount
	<b><u>SECTION 5: PEDIATRIC WARD</u></b>	H1			
	<b><u>BILL NO. 4</u></b>	H1			
	<b><u>CARPENTRY AND JOINERY (PROVISIONAL)</u></b>	H1			
	<b><u>PREAMBLES</u></b>	H2			
	The tenderer is referred to the relevant clauses in the latest edition of the Model Preambles for Trades and to the Supplementary Preambles which are incorporated in this Bill of Quantities.	H3			
	<b><u>SUPPLEMENTARY PREAMBLES</u></b>	H2			
	Proprietary products in descriptions:	H3			
	Proprietary products shall be used as specified. Substitute products of similar quality and specification may only be used with prior approval by the Principal Agent.				
	Prefabricated roof trusses:				
	Prefabricated timber roof trusses shall be constructed of South African pine by a firm of specialist designer manufacturer's as approved by the Architect.				
	Joinery:				
	Descriptions of hardwood joinery shall be deemed to include pelleting of bolt holes.				
	Fixing:				
	All nailing of timber roof trusses, purlins, etc shall be done with galvanised nails. In coastal areas, copper, aluminium or stainless steel nails shall be used.				
	Items described as 'nailed' shall be deemed to be fixed with hardened steel nails or shot pins to brickwork or concrete.				
	Where items are described as 'bolted' the bolts have been measured elsewhere.				
	<b><u>ROOFS, ETC</u></b>	H2			
	<b><u>PLATE NAILED TIMBER ROOF TRUSS CONSTRUCTION ETC</u></b>	H2			
	<b><u>SUPPLEMENTARY PREAMBLES</u></b>	H3			
	Tenderers referred to the attached roof plan, sections, elevations, mechanical and electrical drawings before pricing these items.				
	Dimensions in descriptions of trusses are nominal and actual measurements are to be obtained on site before design or fabrication commences.				
	Roof coverings are steel sheeting on purlins.				
	Ceilings are nailed up flush plaster board including branderling.				
167	Design supply and install timber roof complete approximate area on plan 810m2, including trusses, rafters, posts, ties beams, gang boarding, temporary permanent bracing, Hurricane Clips etc.	No	1	R	-
168	Allowance for the issue of TR1 and TR2 certificates after completion of roof installation, signed by a competent person	Item	1	R	-
	<u>Sawn softwood:</u>				
169	38 x 114mm Wall plate.	m	192	R	-
170	76 x 50mm Purlins	m	1250	R	-
171	76 x114 False rafter fixed to ends of rafters to receive fascia boards (elsewhere)	m	192	R	-
	<b><u>EAVES, VERGES, ETC.</u></b>				
	<u>Medium density plain fibre-cement fascias and barge boards</u>				
172	12mm x 225mm Fascia boards including aluminium H- profile fascia joiners fixed with galvanised screws and washers	m	192	R	-
	<u>Fibre-cement socketless barge boards</u>				
173	200mm x 80mm Barge boards, including aluminium H-profile jointing strips etc	m	50	R	-
Carried to summary					R -



Item No	Description		UOM	Qty	Rate	Amount
	<b>SECTION 5: PEDIATRIC WARD</b>		H1			
	<b>BILL NO. 6</b>		H1			
	<b>PLASTERING (PROVISIONAL)</b>		H1			
	<b>PREAMBLES</b>		H2			
	The tenderer is referred to the relevant clauses in the latest edition of the Model Preambles for Trades and to the Supplementary Preambles which are incorporated in this Bill of Quantities.					
	<b>SUPPLEMENTARY PREAMBLES</b>		H2			
	(CPAP WORK GROUP NO. 142 UNLESS OTHERWISE STATED)					
	<b>INTERNAL PLASTER</b>		H2			
	Cement plaster trowelled smooth on brickwork		H3			
181	On walls in small areas		m2	80		R -
	<b>EXTERNAL PLASTER</b>		H2			
	Cement plaster trowelled smooth on brickwork		H3			
182	On walls in small areas		m2	80		R -
Carried to Summary						
						R -



Item No	Description	UOM	Qty	Rate	Amount
	<b><u>SECTION 5: PEDIATRIC WARD</u></b>	H1			
	<b><u>BILL NO. 8</u></b>	H1			
	<b><u>PAINTWORK (PROVISIONAL)</u></b>	H1			
	<b><u>PREAMBLES</u></b>	H2			
	The tenderer is referred to the relevant clauses in the latest edition of the Model Preambles for Trades and to the Supplementary Preambles which are incorporated in this Bill of Quantities.				
	<b><u>SUPPLEMENTARY PREAMBLES</u></b>	H2			
	Where trade names are specified it will read "or equal approved"				
	<b><u>PAINTWORK TO NEW WORK</u></b>	H2			
	<b><u>ON FLOATED PLASTER</u></b>	H2			
	<u>Prepare and brush surface to remove all loose contaminants and apply one coat plaster primer, one coat universal undercoat and two coats approved emulsion paint for interior use</u>	H3			
190	On internal walls	m2	80		R -
	<u>Prepare and brush surface to remove all loose contaminants and apply one coat plaster primer, one coat universal undercoat and two coats approved emulsion paint for interior use</u>	H3			
191	On external walls	m2	80		R -
	<b><u>ON PLASTER BOARD</u></b>	H2			
	<u>Prepare and brush surface to remove loose contaminants and apply one coat approved alkali resistant primer, including priming nailheads with galvanised iron primer, one coat universal undercoat, and two coats emulsion paint</u>	H3			
192	On ceilings	m2	810		R -
	<b><u>ON FIBRE CEMENT</u></b>	H2			
	<u>Prepare and brush surface to remove loose contaminants and apply one coat alkali resistant primer, one coat universal undercoat and two coats "Super Universal Enamel" paint;</u>	H3			
193	On fascias and barge boards	m2	45		R -
	<b><u>ON WOOD</u></b>	H2			
	<u>Prepare and brush surface to remove all loose contaminants and apply two coats approved carbolineum anti-corrosive coal tar paint</u>	H3			
194	On roof timbers at eaves and verges	m2	205		R -
	<b><u>PAINTWORK TO EXISTING WORK</u></b>	H2			
	<u>Clean down, make all necessary preparations, including necessary skimming where required, fixing of cracks in walls, etc apply one universal undercoat and two coats emulsion paint on existing plastered wall.</u>				
195	On internal walls	m2	753		R -
196	On external walls	m2	726		R -
	Carried to summary				R -





Item No	Description	UOM	Qty	Rate	Amount
	<b><u>SECTION 6: OLD THEATRE</u></b>	H1			
	<b><u>BILL NO. 1</u></b>	H1			
	<b><u>ALTERATIONS (PROVISIONAL)</u></b>	H1			
	<b><u>MODEL PREAMBLES</u></b>	H2			
	The tenderer is referred to the relevant clauses in the latest edition of the Model Preambles for Trades and to the Supplementary Preambles which are incorporated in this Bill of Quantities.	H2			
	<b><u>SUPPLEMENTARY PREAMBLES</u></b>	H2			
	Existing Furniture, Equipment, etc	H3			
	The Contractor shall not remove or damage any furniture, equipment or similar items that belong to the Department except when specifically described in the items to follow: The Contractor must give the Principal Agent sufficient notice if the removal of these items are required before any prescribed alterations can be done				
	Damage to existing finishes	H3			
	The Contractor will be held responsible for all damage however caused to existing finishes and fittings, etc. and he must make good all damage at his own expense to the approval of the Principal Agent. Breaking down, demolition and alteration activities and tasks, hacking off of existing plaster, etc. is to be executed with care so as to prevent damage to remaining floor and wall surfaces and finishes (where these are to be retained). Tenders will be deemed to include allowance for any necessary protection of existing surfaces and structures as may be necessary to effect the above, as the cost of repairing damage to existing surfaces and structures will be solely for the Contractors account				
	Responsibility for site	H3			
	The Contractor is to note that upon possession of the site by himself, and extending until practical completion is achieved, he is solely responsible for the site, site security, general upkeep and cleaning of the site and all other responsibilities in maintaining a construction site in conformance with but not limited to, the Construction Regulations 2014, all local by-laws, all user client regulations, and all Client regulations and procedures. Tenderers are therefore urged to study all available material and to investigate the site fully and areas contiguous to the site, in order to determine the range and extent of responsibility. No additional monetary and/or time claims will be entertained in respect of the above				
	Explosives	H3			
	No explosives whatsoever may be used for demolition purposes unless otherwise stated				
	General	H3			
	The Contractor shall carry out the whole of the works with as little mess and noise as possible and with a minimum amount of disturbance to adjoining classroom blocks and their students. He shall provide proper protection of the works and provide, erect and remove when directed, any temporary tarpaulins that may be necessary during the progress of the works, all to the satisfaction of the Principal Agent				
	Water supply pipes and other piping that may be encountered and found necessary to disconnect or cut, shall be effectually stopped off or grubbed up and removed, and any new connections that may be necessary shall be made with proper fittings, to the satisfaction of the Principal Agent				
	Doors, fanlights, fittings, frames, linings, etc which are to be re-used shall be thoroughly overhauled before refixing including taking off, easing and rehanging, cramping up, re-wedging as required and making good cramps, dowels, etc, and easing, oiling, adjusting and repairing ironmongery as necessary, replacing any glass damaged in removal or subsequently and stopping up all nail and screw holes with tinted plastic wood to match timber, unless otherwise described. Re-painting or re-varnishing is given separately				
	"Taking out and removing doors, windows, etc" implies that the door, etc is to be carefully taken down together with the frame, linings, architraves, window sills, etc complete and where brick lintels occur, it must be supported and propped until the openings are built up or new doors or windows built in position				
	Prices for taking out and removing doors and frames shall include for removing door stops, cabin hooks, etc. and making good floor and wall finishes to match existing				
	"Forming openings" for doors or windows, etc implies that the plaster or any other covering is to be hacked off and an opening formed sufficient in size to receive the building in of the frame and cramps, and the forming of new dampproof courses, lintels, sills, etc. After building in of the new frame, the opening is to be built against the frame, plaster or faced brickwork to be made good both sides and reveals and floor screeds prepared for finishings to match existing				
	"Making good" implies that all necessary repairs are to be made to reinstate articles that may be damaged through the removal or otherwise, and the supplying of any new materials to match existing work, and is to include any necessary repairs to adjacent finishings such as floors, skirtings, plaster, painting, etc and such making good is to match adjoining work in all respects and in all trades				
	The Contractor will be required to take all dimensions affecting the existing buildings on the site and he will be held solely responsible for the accuracy of all such dimensions where used in the manufacture of new items (doors, windows, fittings, etc)				
	The Contractor to acknowledge that sequencing of the work will be necessary to accommodate the operational aspects of the school. The Contractor to accordingly factor the above requirement in the construction programme and pricing				
	"Breaking down and removing" walls, etc implies that the wall is to be taken down to the extent shown on the drawings or as may be described and that all necessary shoring is to be provided and allowed for to ensure the safety of the building during the pulling down or until new walls are erected and all portions of the remaining walls where disturbed or affected by the removal are to be made good and left ready for plaster or other finishings as described				
	Where removal is included in the heading, sub-heading or item description, prices shall be deemed to include for the necessary costs of removal and appropriate disposal of materials including but not limited to labour, transportation and disposal costs. No further claims in this regard will be entertained				
	<b>Carried Forward</b>				
					<b>R -</b>

Brought Forward						R	-
<p>"Building up openings" implies that after the removal of any doors, windows or screens that may be described to be taken down, the opening is to be filled up solid (or to the thickness as shown) with new brickwork and is to include all necessary cutting away to form toothings to thoroughly bond to the new work and new finishes to both sides as described.</p> <p>Removal of asbestos material</p> <p>All preparatory work, alterations, etc., to existing asbestos cement roof sheeting, gutters, rainwater pipes, etc., is to be carried out strictly by an approved and certified specialist company and in accordance with statutory requirements (Occupational Health and Safety Act, 1993 - Asbestos Regulations 2001) and all necessary precautions must be taken when working with and disposing of asbestos cement products and the disposal of waste water resulting from cleaning operations, etc.</p> <p>The following shall apply in respect of asbestos removal</p> <p>The removal of asbestos shall be carried out by a certified entity, registered in accordance with the Occupational Health and Safety Act. 1993 and the Asbestos Regulations 2001. Asbestos in all forms/building elements that is to be removed, shall be carried out in strict accordance with aforementioned regulation and a certificate issued by the entity as contemplated in the above, shall be provided per block for the removal thereof, where the term block shall in this context refer to any single, free standing building structure, regardless of size or purpose</p> <p>Corresponding disposal certificates shall be issued by the facility at which the asbestos is disposed off, with said facility to, prior to the disposal of any asbestos material provide satisfactory proof that the facility is duly registered and fully compliant in terms of the act, to receive the asbestos material. Under no circumstances is the Contractor nor any of his duly authorised representatives to sell and/or give away asbestos material to any member/s of the school community, the community in general or the public at large. Should this be found to be occurring, the Contractor will be held responsible contractually and may further be prosecuted criminally</p> <p>Corresponding disposal certificates shall be issued by the facility at which the asbestos is disposed off, with said facility to, prior to the disposal of any asbestos material provide satisfactory proof that the facility is duly registered and fully compliant in terms of the act, to receive the asbestos material. Under no circumstances is the Contractor nor any of his duly authorised representatives to sell and/or give away asbestos material to any member/s of the school community, the community in general or the public at large. Should this be found to be occurring, the Contractor will be held responsible contractually and may further be prosecuted criminally</p> <p>The cost for complying with the above, and all requirements of regulation as reflected above is to be priced for in terms for removal of asbestos material. No further claims in this regard will therefore be entertained</p> <p><b><u>REMOVAL OF EXISTING WORK</u></b></p> <p><u>Taking down and removing roofs, floors, panelling, ceilings, partitions, etc.</u></p>			H3				
			H3				
197	Asbestos roof sheeting including timber purlins, underlay, etc complete and the provision of a certificate of safe disposal for asbestos	m2	960			R	-
198	Take down and remove timber roof structure from the existing building size 740 m2 including making good walls to receive new roof structure (elsewhere measured)	m2	740			R	-
199	Nailed up flush plasterboard ceilings, nutec cement ceilings, covers strips, cornices, branderling, etc.	m2	740			R	-
200	Asbestos rainwater pipes and gutters and fixings	m	150			R	-
201	Asbestos fascia boards, barge boards and fixings	m	175			R	-
Carried to summary							R -

[illegible]

Item No	Description	UOM	Qty	Rate	Amount
	<b><u>SECTION 6: OLD THEATRE</u></b>	H1			
	<b><u>BILL NO. 3</u></b>	H1			
	<b><u>ROOF COVERINGS, CLADDING, ETC. (PROVISIONAL)</u></b>	H1			
	<b><u>PREAMBLES</u></b>	H2			
	The tenderer is referred to the relevant clauses in the latest edition of the Model Preambles for Trades and to the Supplementary Preambles which are incorporated in this Bill of Quantities.	H2			
	<b><u>SUPPLEMENTARY PREAMBLES</u></b>	H2			
	Sheeting	H3			
	The roof sheeting shall be 0,55mm AZ150 ZincAl or equal approved IBR 686 profile roll-formed in continuous lengths and cut to length by a pneumatic cut-off process from certified Z275 galvanized steel complying with ISQ 550 (3T). A certificate verifying compliance shall be issued by the manufacturer.				
	Finish for AZ150 Zinalume	H3			
	The profile shall be supplied with a paint finish G550 consisting of a full top coat "Colourplus" or equal approved silicone modified polyester Colour: To match existing on one side and Cool Grey backing to other				
	Assembly	H3			
	The AZ150 ZincAl sheets shall be fixed to every purlin strictly in accordance with manufacturer's specifications. Holes through sheeting are to be drilled and NO punching of holes are allowed. 8mm Diameter x 75mm long fixing screws with 19mm diameter washer and rubber gasket are to be used. Every precaution shall be taken to prevent damage to roof sheets during all stages of construction. Duck boards should be used when necessary to protect the sheeting from damage. Sheetting which has become deformed or damaged in any way, shall be replaced				
	Flashings	H3			
	Flashings shall be approved by roof sheeting manufacturer and fixed to the sheeting with S10 clips to obviate any direct fixing perforations. Prior to flashings being fixed, all troughs at the apex shall be stop-ended to the full depth of the sheet in order to prevent any penetration of wind driven water. The trough shall be lipped at the eaves end to form a drip. Flashing flanges shall be notched to the sheet profile where necessary. All these operations must be performed with special tools available from the manufacturer. Care shall be taken to ensure that no sheeting or flashing will be cut with abrasive disc on roof surface in order to prevent steel splatter from penetrating colour coated areas. The flashings shall be supplied with a paint finish consisting of a full top coat silicon modified polyester Colour : White to one side				
	Quality Assurance	H3			
	The manufacturer shall be assessed and certified as complying with ISO 9001: 2008 Quality Management System				
	Guarantee	H3			
	AZ150 ZincAl or equal approved sheeting shall be laid in strict accordance with manufacturer's specifications by an approved contractor. The employer shall be provided with a ten year written guarantee on materials and a five year written guarantee on workmanship and water-tightness after final inspection of the roofs, by the manufacturer.				
	Handling and Storage	H3			
	The contractor shall ensure that all materials used on site for cladding, etc are transported, handled and stored in accordance with the manufacturer's recommendations. Material damaged shall be rejected and replaced with undamaged material at the contractor's expense. Repair of damaged material will not generally be permitted. Rates are to include for preventing damage and protecting sheets through all stages of construction				
	Inspection Prior to Installation or Erection	H3			
	Before commencing with installation, the contractor shall verify that the following items have been checked and accepted: a. The entire structure or the portion thereof to be sheeted has been correctly aligned, levelled and grouted b. Purlins and sheeting rails are at the correct spacing and are within the specified tolerances c. The corners of the roof are square and the wall framework is perpendicular or as specified d. No protrusions such as bolt heads, splice plates, cleats, etc. appear on the face of the framework e. All members to which roofing and cladding are to be fixed in aesthetically sensitive areas are true and square f. Paint and any other materials that may be incompatible with the sheeting, have been painted over or so dealt with that direct contact with the sheeting is avoided g. The contact faces between the purlins or the girts and the cladding are in the same plane. Should the alignment be inadequate, the contractor shall request instructions from the engineer before proceeding with the fixing of the cladding				
	Protrusion through Sheeted Surfaces	H3			
	Protrusions such as pipes, ducts and the like, shall be adequately flashed where they pass through the sheeting surface. Where ribs have to be cut away to permit penetration, additional framing is to be installed as required to support the sheeting. Depending on the position of the penetration through the roof, special attention shall be given to back flashing the sheeting to the ridge or point of water entry. In all cases, all cutting and flashings shall be so arranged that adequate provision is made for the drainage of all troughs and corrugation				
	<b><u>PROFILED METAL SHEETING AND ACCESSORIES</u></b>	H2			
	<b><u>(CPAP WORK GROUP NO. 125 UNLESS OTHERWISE STATED)</u></b>	H2			
	<u>0.55mm Zinalume IBR 686 sheeting and accessories with "Colorplus" finish (colour : Standard colour on one side and CoolGrey backing to other), in long lengths fixed using Class 3 Climaseal screws (8mm diameter with 26mm diameter washer and rubber gasket) as per manufacturer's recommendations for coastal areas to 50 x 76mm treated SA Pine purlins @ 1 100mm centres on Sisalation elsewhere measured</u>	H3			
205	Roof covering with pitch not exceeding 25 degrees	m2	960	R	-
206	Ridge covering 650mm girth, screwed through sheet to purlins	m	75	R	-
	<b>Carried Forward</b>			R	-

[illegible]

Item No	Description	UOM	Qty	Rate	Amount
	<b>SECTION 6: OLD THEATRE</b>	H1			
	<b>BILL NO. 4</b>	H1			
	<b>CARPENTRY AND JOINERY (PROVISIONAL)</b>	H1			
	<b>PREAMBLES</b>	H2			
	The tenderer is referred to the relevant clauses in the latest edition of the Model Preambles for Trades and to the Supplementary Preambles which are incorporated in this Bill of Quantities.	H3			
	<b>SUPPLEMENTARY PREAMBLES</b>	H2			
	Proprietary products in descriptions:	H3			
	Proprietary products shall be used as specified. Substitute products of similar quality and specification may only be used with prior approval by the Principal Agent.				
	Prefabricated roof trusses:				
	Prefabricated timber roof trusses shall be constructed of South African pine by a firm of specialist designer manufacturer's as approved by the Architect.				
	Joinery:				
	Descriptions of hardwood joinery shall be deemed to include pelleting of bolt holes.				
	Fixing:				
	All nailing of timber roof trusses, purlins, etc shall be done with galvanised nails. In coastal areas, copper, aluminium or stainless steel nails shall be used.				
	Items described as 'nailed' shall be deemed to be fixed with hardened steel nails or shot pins to brickwork or concrete.				
	Where items are described as 'bolted' the bolts have been measured elsewhere.				
	<b>ROOFS, ETC</b>	H2			
	<b>PLATE NAILED TIMBER ROOF TRUSS CONSTRUCTION ETC</b>	H2			
	<b>SUPPLEMENTARY PREAMBLES</b>	H3			
	Tenderers referred to the attached roof plan, sections, elevations, mechanical and electrical drawings before pricing these items.				
	Dimensions in descriptions of trusses are nominal and actual measurements are to be obtained on site before design or fabrication commences.				
	Roof coverings are steel sheeting on purlins.				
	Ceilings are nailed up flush plaster board including brandering.				
211	Design supply and install timber roof complete approximate area on plan 740m2, including trusses, rafters, posts, ties beams, gang boarding, temporary permanent bracing, Hurricane Clips etc.	No	1	R	-
212	Allowance for the issue of TR1 and TR2 certificates after completion of roof installation, signed by a competent person	Item	1	R	-
	<u>Sawn softwood:</u>				
213	38 x 114mm Wall plate.	m	150	R	-
214	76 x 50mm Purlins	m	900	R	-
215	76 x114 False rafter fixed to ends of rafters to receive fascia boards (elsewhere)	m	175	R	-
	<b>EAVES, VERGES, ETC.</b>				
	<u>Medium density plain fibre-cement fascias and barge boards</u>				
216	12mm x 225mm Fascia boards including aluminium H- profile fascia joiners fixed with galvanised screws and washers	m	150	R	-
	<u>Fibre-cement socketless barge boards</u>				
217	200mm x 80mm Barge boards, including aluminium H-profile jointing strips etc	m	25	R	-
	<b>Carried to summary</b>				
				<b>R</b>	<b>-</b>

Item No	Description	UOM	Qty	Rate	Amount
	<b>SECTION 6: OLD THEATRE</b>	H1			
	<b>BILL NO. 5</b>	H1			
	<b>CEILINGS, PARTITIONS AND ACCESS FLOORING (PROVISIONAL)</b>	H1			
	<b>PREAMBLES</b>	H2			
	The tenderer is referred to the relevant clauses in the latest edition of the Model Preambles for Trades and to the Supplementary Preambles which are incorporated in this Bill of Quantities.	H3			
	<b>SUPPLEMENTARY PREAMBLES</b>	H2			
	Items described as "nailed" shall be deemed to be fixed with hardened steel nails or pins, or to be shot-pinned, to brickwork or concrete				
	Items described as "plugged" shall be deemed to include screwing to fibre, plastic or metal plugs at not exceeding 500mm centres, and where described as "bolted", the bolts have been given elsewhere				
	<b>NAILED UP CEILINGS</b>	H2			
	<u>4mm Fibre cement ceiling board with H-type pressed steel jointing strips</u>	H3			
218	Ceilings including 38 x 38 sawn softwood bandering at 400mm centres	m2	740		R -
219	Extra over ceiling for 610 x 610mm trap door of 38 x 50mm wrought softwood rebated framing with one 38 x 50mm sawn softwood cross brander covered with ceiling board and fitted flush in opening	No	3		R -
220	Extra over for opening for smoke detectors	No	3		R -
221	Extra over for openings for extract grille.	No	3		R -
222	Extra over for opening for ceiling fan.	No	3		R -
	<u>Rhino gypsum plasterboard cornices</u>	H3			
223	75mm coved cornices	m	200		R -
	<b>ROOF INSULATION</b>	H3			
	<u>Sisalation or similar approved insulation</u>	H3			
224	100mm thick insulation closely fitted and laid on top of brand	m2	740		R -
Carried to Summary					R -

Item No	Description	UOM	Qty	Rate	Amount
	<b>SECTION 6: OLD THEATRE</b>	H1			
	<b>BILL NO. 6</b>	H1			
	<b>PLASTERING (PROVISIONAL)</b>	H1			
	<b>PREAMBLES</b>	H2			
	The tenderer is referred to the relevant clauses in the latest edition of the Model Preambles for Trades and to the Supplementary Preambles which are incorporated in this Bill of Quantities.				
	<b>SUPPLEMENTARY PREAMBLES</b>	H2			
	(CPAP WORK GROUP NO. 142 UNLESS OTHERWISE STATED)				
	<b>INTERNAL PLASTER</b>	H2			
	Cement plaster trowelled smooth on brickwork	H3			
225	On walls in small areas	m2	60		R -
	<b>EXTERNAL PLASTER</b>	H2			
	Cement plaster trowelled smooth on brickwork	H3			
226	On walls in small areas	m2	60		R -
Carried to Summary					R -



Item No	Description	UOM	Qty	Rate	Amount
	<b><u>SECTION 6: OLD THEATRE</u></b>	H1			
	<b><u>BILL NO. 7</u></b>	H1			
	<b><u>PLUMBING AND DRAINAGE (PROVISIONAL)</u></b>	H1			
	<b><u>PREAMBLES</u></b>	H2			
	The tenderer is referred to the relevant clauses in the latest edition of the Model Preambles for Trades and to the Supplementary Preambles which are incorporated in this Bill of Quantities.				
	<b><u>PLUMBING AND DRAINAGE</u></b>	H2			
	(CPAP WORK GROUP NO. 148 UNLESS OTHERWISE STATED)				
	<b><u>RAINWATER DISPOSAL</u></b>	H2			
	Pre-coated seamless aluminium gutters including matching rivet fixed mitres and end caps sealed using silicon mastic hung by screw fixed internal aluminium hangers at 600mm centres with accessories installed in accordance with manufactures instructions, colour to Architects approval (non-standard colours)				
	<b><u>0.8mm Chromadek seamless gutters and rainwater pipes</u></b>	H3			
227	150 x 100mm Gutters fixed with concealed brackets	m	150		R -
228	Extra over eaves gutter for stopped end	No	4		R -
229	Extra over eaves gutter for outlet for 100 x 75mm pipe	No	6		R -
230	Extra over eaves gutter for drop box suitable for 150 x 100mm gutter	No	6		R -
231	Rainwater Down pipes	m	20		R -
232	Extra over rainwater pipe for plinth bend	No	12		R -
233	Extra over rainwater pipe for shoe.	No	6		R -
Carried to summary					R -

Item No	Description	UOM	Qty	Rate	Amount
	<b>SECTION 6: OLD THEATRE</b>	H1			
	<b>BILL NO. 8</b>	H1			
	<b>PAINTWORK (PROVISIONAL)</b>	H1			
	<b>PREAMBLES</b>	H2			
	The tenderer is referred to the relevant clauses in the latest edition of the Model Preambles for Trades and to the Supplementary Preambles which are incorporated in this Bill of Quantities.				
	<b>SUPPLEMENTARY PREAMBLES</b>	H2			
	Where trade names are specified it will read "or equal approved"				
	<b>PAINTWORK TO NEW WORK</b>	H2			
	<b>ON FLOATED PLASTER</b>	H2			
	<u>Prepare and brush surface to remove all loose contaminants and apply one coat plaster primer, one coat universal undercoat and two coats approved emulsion paint for interior use</u>	H3			
234	On internal walls	m2	60		R -
	<u>Prepare and brush surface to remove all loose contaminants and apply one coat plaster primer, one coat universal undercoat and two coats approved emulsion paint for interior use</u>	H3			
235	On external walls	m2	60		R -
	<b>ON PLASTER BOARD</b>	H2			
	<u>Prepare and brush surface to remove loose contaminants and apply one coat approved alkali resistant primer, one coat universal undercoat and two coats including priming male heads, one universal undercoat</u>	H3			
236	On ceilings	m2	740		R -
237	On cornices	m	200		R -
	<b>ON FIBRE CEMENT</b>	H2			
	<u>Prepare and brush surface to remove loose contaminants and apply one coat alkali resistance primer, one coat universal undercoat two coats "Super Universal Enamel" paint;</u>	H3			
238	On fascias and barge boards	m2	45		R -
	<b>ON WOOD</b>	H2			
	<u>Prepare and brush surface to remove all loose contaminants and apply two coats approved carbolineum anti-corrosive coal tar paint</u>	H3			
239	On roof timbers at eaves and verges	m2	135		R -
	<b>PAINTWORK TO EXISTING WORK</b>	H2			
	<u>Clean down, make all necessary preparations, including necessary skimming where required, fixing of cracks in walls, etc apply one universal undercoat and two coats emulsion paint on existing plastered wall.</u>				
240	On internal walls	m2	710		R -
241	On external walls	m2	525		R -
Carried to summary					R -

[illegible]

Item No	Description	UOM	Qty	Rate	Amount
	<b>SECTION 7: PROVISIONAL SUMS</b>	H1			
	<b>BILL NO. 1</b>	H1			
	<b>General</b>	H4			
	Prime cost amounts and provisional sums are net. Prime cost amounts shall include for delivery to site of all articles concerned Provisional sums are for material and equipment supplied and installed complete by firms of specialists				
	(Applicable to all sections of the Works)				
	<b>Profit</b>	H4			
	Where stated, the contractor may allow for profit if required				
	General attendance on nominated/selected subcontractors	H4			
	The item "attendance" which follows each provisional sum for nominated/selected subcontractors' work, shall be deemed to cover all the contractor's costs incurred in providing free of charge to the nominated/selected subcontractors the contractor's duties				
	<b>BUDGETARY ALLOWANCES</b>	H3			
242	Provide the sum of R 1 200,000.00 (One Million Two Hundred Thousand Rand) for Electrical Works Sub-contractor to be appointed by the Contractor. The awarded contractor will be expected to provide three (3) quotations for Electrical Works services for approval and acceptance by the Department and will then be appointed by the contractor and paid by the contractor.	Item		R 1 200 000.00	R -
243	Profit and attendance on above		%		R -
244	Provide the sum of R 600,000.00 (Six Hundred Thousand Rand) for Mechanical Works Sub-contractor to be appointed by the Contractor. The awarded contractor will be expected to provide three (3) quotations for Mechanical services for approval and acceptance by the Department and will then be appointed by the contractor and paid by the contractor.	Item		R 600 000.00	R -
245	Profit and attendance on above		%		R -
Carried To Final Summary					R -

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