Item	Description	Unit	Quantity	Rate	Amount
	SECTION 1:: PRELIMINARIES AND GENERAL	H1			
		H1			
		Item	1	R -	R -
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	Carried To find Summary				

Description	UOM	Qty	Rate	Amoun
SECTION 2: HUMAN RESOURCES OFFICES	H1	,		
BILL NO. 1	H1			
ALTERATIONS (PROVISIONAL)	H1			
MODEL PREAMBLES	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			
SUPPLEMENTARY PREAMBLES	H2			
Existing Furniture, Equipment, etc	НЗ			
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	НЗ			
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 exitsing 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 exitsing 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	НЗ			
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	НЗ			
No explosives whatsoever may be used for demolition purposes unless otherwise stated				
General	НЗ			
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				
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	Brought Forward			R	-
	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 decribed to be taken down, the opening is to be filled up solid (or to the tickness 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.				
	Removal of asbestos material	НЗ			
	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	НЗ			
	The removal of asbestos shall be carries 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 ciminally				
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	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				
	REMOVAL OF EXISTING WORK	НЗ			
	Taking down and removing roofs, floors, panelling, ceilings, partitions, etc.	НЗ			
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, brandering, 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	-
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	Carried to summary			R	•

Item No	Description	UOM	Qty	Rate	Amount
	SECTION 2: HUMAN RESOURCES OFFICES	H1			
	BILL NO. 2	H1			
	MASONRY (PROVISIONAL)	H1			
	MODEL PREAMBLES	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			
	SUPPLEMENTARY PREAMBLES	H2			
	BRICKWORK	H2			
	(CPAP WORK GROUP NO. 116 UNLESS OTHERWISE STATED)	H2			
	Sizes in descriptions	Н3			
	Where sizes in descriptions are given in brick units, "one brick" shall represent the length and "half brick" the width of a brick				
	Bricks	Н3			
	Clay & concrete bricks are to comply with N.H.B.R.C Part 2, Section 3				
	Hollow walls etc	Н3			
	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 "Brixeal" bitumen emulsion waterproofing coating.				
	Pointing	Н3			
	All pointing of exposed joints to be concave				
	Samples	Н3			
	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				
	<u>SUPERSTRUCTURE</u>	H2			
	Brickwork of NFP bricks in class II mortar	НЗ			
8	Half brick walls in beamfilling	m2	14		R -
	BRICKWORK SUNDRIES	H2			
	Galvanised hoop iron cramps, ties, etc	НЗ			
9	30 x 1,6mm Roof tie 1,5m long with one end fixed to timber and other end cast into concrete	No	52		R -
	Carried to summary				R -
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Item No	Description	UOM	Qty	Rate	Amount
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	SECTION 2: HUMAN RESOURCES OFFICES	H1			
	BILL NO. 3	H1			
	ROOF COVERINGS, CLADDING, ETC. (PROVISIONAL)	H1			
	PREAMBLES	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			
	SUPPLEMENTARY PREAMBLES	H2			
	Sheeting	НЗ			
	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 Zincalume	Н3			
	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	Н3			
	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	Н3			
	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 drived 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	НЗ			
	The manufacturer shall be assessed and certifed as complying with ISO 9001: 2008 Quality Management System				
	Guarantee	Н3			
	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	Н3			
	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	Н3			
	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	НЗ			
	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				
	PROFILED METAL SHEETING AND ACCESSORIES	H2			
	(CPAP WORK GROUP NO. 125 UNLESS OTHERWISE STATED)	H2			
		114			
	0.55mm Zincalume 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	НЗ			
10	Roof covering with pitch not exceeding 25 degrees	m2	150		R -
	Carried Forward				R -

	Brought Forward			R	-
11	Headwall flashing 308mm girth. and counter flashing 154mm girth.	m	12	R	-
12	Counter flashing 154mm girth.	m	12	R	-
	ROOF AND WALL INSULATION	H2			
	"Sisalation 420" or equal approved heavy industrial grade aluminium foil based insulation	НЗ			
13	Insulation laid taut over rafters (at approximately 1 200mm centres) and fixed concurrent with purlins, etc including pvc coated steel straining wires	m2	150	R	-
	Suanning wifes				
	Carried to summary			R	-

15 38 x 114mm Wall plate. m 50 f	
CARPENTRY AND JOINERY (PROVISIONAL) PREAMBLES 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 Quantilles. SUPPLEMENTARY PREAMBLES Proprietary products in descriptions: Proprietary products abrail be used as specified. Substitute products of similar quality and specification may only be used with prior approval by the Principal Agent. Prelabricated roof trusses: Prelabricated 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 rails 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. ROOFS, ETC PLATE NAILED TIMBER ROOF TRUSS CONSTRUCTION ETC SUPPLEMENTARY PREAMBLES 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 railed up flush plaster board including brandering. Sizem softwares 14 38 x 152mm Rafters m 65	
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14 38 x 152mm Rafters m 65 f 15 38 x 114mm Wall plate. m 50 f	
15 38 x 114mm Wall plate. m 50	
	₹ -
16 76 x 50mm Purlins m 150 f	₹ -
	₹ -
17 76 x114 False rafter fixed to ends of rafters to receive fascia boards (elsewhere) m 60	₹ -
18 Hurricane clips no 364 f	₹ -
EAVES, VERGES, ETC.	
Medium density plain fibre-cement fascias and barge boards	
19 12mm x 225mm Fascia boards including aluminium H- profile fascia joiners fixed with galvanised screws and washers m 50	₹ -
Fibre-cement socketless barge boards	
20 200mm x 80mm Barge boards, including aluminium H-profile jointing strips etc m 24	₹ -
Carried to summary	

Item No	Description	UOM	Qty	Rate	Amo	unt
	SECTION 2: HUMAN RESOURCES OFFICES	H1				
	BILL NO. 5	H1				
	CEILINGS, PARTITIONS AND ACCESS FLOORING (PROVISIONAL)	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.	НЗ				
	SUPPLEMENTARY PREAMBLES	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					
	NAILED UP CEILINGS	H2				
	4mm Fibre cement ceiling board with H-type pressed steel jointing strips	НЗ				
21	Ceilings including 38 x 38 sawn softwood brandering 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	-
	Rhino gypsum plasterboard cornices	НЗ				
27	75mm coved cornices	m	90		R	-
	INSULATION	НЗ				
	Isotherm Thermal insulation	НЗ				
28	100mm thick insulation closely fitted and laid on top of brand	m2	130		R	-
	Carried to Summary				R	-
		1	i		II	

Item No	Description	UOM	Qty	Rate	Amount
	SECTION 2: HUMAN RESOURCES OFFICES	H1			
	BILL NO. 6	H1			
	PLASTERING (PROVISIONAL)	H1			
	PREAMBLES	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.				
	SUPPLEMENTARY PREAMBLES	H2			
	(CPAP WORK GROUP NO. 142 UNLESS OTHERWISE STATED)				
	INTERNAL PLASTER	H2			
	Cement plaster trowelled smooth on brickwork	Н3			
29	On walls in small areas	m2	14		R -
	EXTERNAL PLASTER	H2			
	Cement plaster trowelled smooth on brickwork	Н3			
30	On walls in small areas	m2	14		R -
	_				
	Carried to Summary				R -

Item No	Description	UOM	Qty	Rate	Amo	unt
	SECTION 2: HUMAN RESOURCES OFFICES	H1				
	BILL NO. 7	H1				
	PLUMBING AND DRAINAGE (PROVISIONAL)	H1				
	PREAMBLES	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.					
	PLUMBING AND DRAINAGE	H2				
	(CPAP WORK GROUP NO. 148 UNLESS OTHERWISE STATED)					
	RAINWATER DISPOSAL	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)					
	0,8mm Chromadek seamless gutters and rainwater pipes	НЗ				
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	-
	<u> </u>					
	Carried to summary				R	-

Item No	Description	UOM	Qty	Rate	Amou	ınt
	SECTION 2: HUMAN RESOURCES OFFICES	H1				
	BILL NO. 8	H1				
	PAINTWORK (PROVISIONAL)	H1				
	PREAMBLES_	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.					
	SUPPLEMENTARY PREAMBLES	H2				
	Where trade names are specified it will read "or equal approved"					
	(CPAP WORK GROUP NO. 152 UNLESS OTHERWISE STATED)	H2				
	PAINTWORK TO NEW WORK	H2				
	ON FLOATED PLASTER	H2				
	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	НЗ				
38	On internal walls	m2	14		R	_
	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	НЗ				
39	On external walls	m2	14		R	_
	ON PLASTER BOARD	H2				
	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	НЗ				
40	On ceilings and cornices	m2	130		R	_
	ON FIBRE CEMENT	H2				
	Prepare and brush surface to remove loose contaminants and apply one coat alkali resistance primer, one coat universal undercoat	HZ				
	and apply two coats "Super Universal Enamel' paint:	H3				
41	On fascias and barge boards	m2	15		R	-
	<u>ON WOOD</u>	H2				
	Prepare and brush surface to remove all loose contaminants and apply two coats approved carbolineum anti-corrosive coal tar paint	НЗ				
42	On roof timbers at eaves and verges	m2	12		R	-
	PAINTWORK TO EXISTING WORK	H2				
	ON FLOATED PLASTER	H2				
	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.					
43	On internal walls	m2	315		R	-
44	On external walls	m2	222		R	-
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	Carried to summary				R	-
	Carried to Summary				<u> </u>	

SECTION NO.2: HUMAN RESOURCE OFFICES			٦
SECTION NO.2. HUMAN RESOURCE OFFICES SECTION SUMMARY - BILL OF QUANTITIES	PAGE NO	AMOUNT	
Alterations (Provisional)	3	R -	
Masonry (Provisional)	4	R -	
Roof Coverings, etc. (Provisional)	6	R -	
Carpentry and Joinery (Provisional)	7	R -	
Ceilings, Partitioning and Access Flooring (Provisional)	8	R -	
Plastering (Provisional)	9	R -	
Plumbing and Drainage (Provisional)	10	R -	
Paintwork (Provisional)	11	R -	
Carried To Final Summary		R -	4
Carried To Final Summary			

Description	UOM	Qty	Rate	Amount
SECTION 3: MATERNITY WARD	H1			
BILL NO. 1	H1			
ALTERATIONS (PROVISIONAL)	H1			
	H2			
MODEL PREAMBLES	П			
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			
SUPPLEMENTARY PREAMBLES	H2			
Existing Furniture, Equipment, etc	НЗ			
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 befor	re			
Damage to existing finishes	НЗ			
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 of of exitsing plaster, etc. is to be executed with care so as to prevent damage to remaining floor and wall surfaces and finishes (where these a to be retained). Tenders will be deemed to include allowance for any necessary protection of exitsing 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	НЗ			
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	НЗ			
No explosives whatsoever may be used for demolition purposes unless otherwise stated				
General	НЗ			
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, easin 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	9			
"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 buildin 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 describe 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 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 decribed to be taken down, the opening it to be filled up solid (or to the tickness as shown) with new brickwork and is to include all necessary cutting away to form toothings to	6			
thoroughly bond to the new work and new finishes to both sides as described.				

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	Brought Forward			R	-
	Removal of asbestos material	Н3			
	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	НЗ			
	The removal of asbestos shall be carries 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 ciminally				
	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				
	REMOVAL OF EXISTING WORK	Н3			
i	Take out and remove doors, windows, etc from existing brickwork to remain	НЗ			
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	-
	Take down and remove glass & mirrors	НЗ			
47	Glass from steel windows including cleaning out rebates & preparing for new glass (new glass elsewhere)	m2	34	R	-
	Taking down and removing roofs, floors, panelling, ceilings, partitions, etc.	НЗ			
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, brandering, 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	-
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	Carried to summary			R	-

Item No	Description	UOM	Qty	Rate	Amo	unt
	SECTION 3: MATERNITY WARD	H1				
	BILL NO. 2	H1				
	MASONRY (PROVISIONAL)	H1				
	MODEL PREAMBLES	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				
	SUPPLEMENTARY PREAMBLES	H2				
	BRICKWORK	H2				
	(CPAP WORK GROUP NO. 116 UNLESS OTHERWISE STATED)	H2				
	Sizes in descriptions	НЗ				
	Where sizes in descriptions are given in brick units, "one brick" shall represent the length and "half brick" the width of a brick					
	Bricks	НЗ				
	Clay & concrete bricks are to comply with N.H.B.R.C Part 2, Section 3					
	Hollow walls etc	НЗ				
	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 "Brixeal" bitumen emulsion waterproofing coating.					
	Pointing	НЗ				
	All pointing of exposed joints to be concave					
	Samples	НЗ				
	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					
	<u>SUPERSTRUCTURE</u>	H2				
	Brickwork of NFP bricks in class II mortar	НЗ				
54	Half brick walls in beamfilling	m2	40		R	-
	BRICKWORK SUNDRIES	H2				
	Galvanized brickwork reinforcement	НЗ				
	75mm Wide reinforcement built in horizontally	m	80		R	_
	Galvanised hoop iron cramps, ties, etc	Н3				
	30 x 1,6mm Roof tie 1,5m long with one end fixed to timber and other end cast into concrete	No	94		R	_
	Carried to summary				R	-
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Item No	Description	UOM	Qty	Rate	Amount	
	SECTION 3: MATERNITY WARD	H1				
	BILL NO. 3	H1				
	ROOF COVERINGS, CLADDING, ETC. (PROVISIONAL)	H1				
	PREAMBLES	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				
	SUPPLEMENTARY PREAMBLES	H2				
	Sheeting	НЗ				
		110				
	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 Zincalume	НЗ				
	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	НЗ				
	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	НЗ				
	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 drived 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	НЗ				
	The manufacturer shall be assessed and certifed as complying with ISO 9001: 2008 Quality Management System					
	Guarantee	НЗ				
		пэ				
	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	Н3				
	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	НЗ				
	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	НЗ				
		110				
	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					
	PROFILED METAL SHEETING AND ACCESSORIES	H2				
	(CPAP WORK GROUP NO. 125 UNLESS OTHERWISE STATED)	H2				
	0.55mm Zincalume IBR 686 sheeting and accessories with "Colorplus" finish (colour : Standard colour on one side and CoolGrey backing to					
	U.Soffm Zincalume labr obe sheeting and accessories with Colorbus Initial Colour: Standard colour on one stole and Coolorey 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	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 -	
	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 -	
	Carried Forward				R -	
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	Brought Forward			R	-
	ROOF AND WALL INSULATION	H2			
	"Sisalation 420" or equal approved heavy industrial grade aluminium foil based insulation	Н3			
61	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	-
	Carried to summary			R	-
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CARGENITY MID JONESTY PROVISIONAL) PREAMILES The decrease is strated to the original colors of classes in the based action of the Model Preambles for Trades and to the Supplementary Preambles with the minor content of the Colors of the Supplementary Preambles with the minor content of the Colors of the Supplementary Preambles with the minor content of the Colors of the Supplementary Preambles Proposition of the Colors of the Supplementary Preambles Proposition of the Colors of the Supplementary Preambles Proposition of the Colors of the Supplementary		SECTION 3: MATERNITY WARD	H1				
PREAMELES The tendenter is retrieved to the relocated diseases in the blood edition of the Model Prescribes for Traces and to the Guocommentary Prescribes shall be increased in the Control		BILL NO. 4	H1				
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Submit and incorporated in the last of Calastrice. Projectory products in discontinuous.		PREAMBLES	H2				
Proposition y industrials in descriptions: Proposition y products that the supple as specified. Substitute products of similar quality and approfitation may only be used with prior approval by the Principal publication of traspers. Productional inhart cod inspecs shall be commoded of Study African prine by a time of specification may only be used with prior approval by the African prine by a time of specification may only be used with prior approval by the African prine by a time of specification may only be used with prior approval by the African prine by a time of specification may only be used with prior approval by the African prine by a time of specification may only be used with prior approval by the African prine by a time of specification may only the african principal and the state of the african principal and a possible read of the african principal and the state of the african principal and the state of the african principal and the state of the african principal and a state incommon and a state of the african principal			НЗ				
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Item No	Description	UOM	Qty	Rate	Amo	unt
	SECTION 3: MATERNITY WARD	H1				
	BILL NO. 5	H1				
	CEILINGS, PARTITIONS AND ACCESS FLOORING (PROVISIONAL)	H1				
	PREAMBLES	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.	НЗ				
	SUPPLEMENTARY PREAMBLES	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					
	NAILED UP CEILINGS	H2				
	4mm Fibre cement ceiling board with H-type pressed steel jointing strips	НЗ				
71	Ceilings including 38 x 38 sawn softwood brandering at 400mm centres	m2	405		R	-
	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	-
	Rhino gypsum plasterboard cornices	НЗ				
77	75mm coved cornices	m	150		R	-
	ROOF INSULATION	НЗ				
	Isotherm thermal insulation	НЗ				
78	100mm thick insulation closely fitted and laid on top of brand	m2	405		R	-
	Carried to Summary				R	-

BLILED 2 MATERIALY WARD BLILED 3 BOUNDAMENT PROVIDED ALL 1 PRAMELES THE CONTROL OF THE DESCRIPTION OF THE DE	Item No	Description	UOM	Qty	Rate	Amo	unt
ROMEROGE PY PROVISIONAL PREAMORES The centering is storted on the subsent closure of the Latest cetter of the Model Preamotes for Tractice with the Registerectory Preamones when the representation for Tractice with the Registerectory Preamones and Secretary Interference of the Registerectory i		SECTION 3: MATERNITY WARD	H1				
The Laborate is befored at the religiour coulses in the based addison of the Modal Pleanances for Troops and to the Supplementary Pleanances which are prespectation in the Bill of Quartition. 142		BILL NO. 6	H1				
SUPPLIENTING TO PROPERTY IN THE PROPERTY Disease in the latest edition of the Mode Presentates or 1 to the Suppliententing Presentates SUPPLIENTING PERABALES Exercises to the districtly numbered with correctative numbers and each key is to be strained with the corresponding number to the lock that is corrected. All place are in how two keys. Take in the corrected with the forest period of the incentingery approved by the Principal Agent may be used. Planta The extracted are appelled other incentingery approved by the Principal Agent may be used. Planta Region of incenting-lay is deserved to be fixed to increas unless otherwise described. #*CORPOR WORK GROUP NO. 122 UNLESS OTHERWISE STATED! CORPOR WORK GROUP NO. 122 UNLESS OTHERWISE STATED! Allow a period cold amount of R100000 for supply and includation of three layer months bedade and furthers. Allow a period cold amount of R100000 for supply and includation of obtained three lover months bedade and furthers. Allow a period cold amount of R100000 for supply and includation of obtained three lover months bedade and furthers. Allow a period cold amount of R100000 for supply and includation of obtained three lover months bedade and furthers. Allow a period cold amount of R100000 for supply and includation of obtained three lover months bedade conversion to an experiment of the supply and included into a lover months bedade and furthers. No. 1 R No. 1 R PARTICIPATION OF A PROPERTY OF A PROPER		IRONMONGERY (PROVISIONAL)	H1				
Supplementary Presented in the Bill of Claverities. Supplementary Presented Society in white the bill of Claverities. Each hasts to be distinstly invalidated with caseculative numbers and each key is to be compact with the corresponding number to the lads. The compact will be compacted by the Principal Agent may be used. Trade Names. Where the bade names are specified other sommorphy approved by the Principal Agent may be used. The principal of the principal of the Compact of		PREAMBLES	H2				
Manual code Each bit is to be deliminarly numbered with capacitative numbers and cach key is to be stamped with the corresponding number to the lock that it corriors. All beload are to have the legis. Took Names: 143							
Earn took is no to discretely rundered with consecutive numbers and earth key is no be demanded with the contraspecting numbers in the lock that is contained. All follows we for them the keys: The land of the contraspect of the contraspect approximately the Principal Agent may be used. Earth of the contraspect of the contraspect approximately the Principal Agent may be used. Earth of the contraspect of the contraspect approximately the Principal Agent may be used. Earth of the contraspect of the contraspect approximately the Principal Agent may be used. Earth of the contraspect of the contraspect of the contraspect agent ag		SUPPLEMENTARY PREAMBLES	H2				
Track Normes Track Normes Where tools entered are specified offer inormoragery approved by the Principal Agent may be used Filting Failing of inormoragery is deemed to be fixed to timber unless otherwise described BROMMORGIEY (ICPAIR WORK GROUP NO. 132 UNLESS OTHERWISE STATED) LOCKG Agrorosid 79 Allow a printer cost amount of R1000.00 for supply and installation of three lever mortise locked and brindure. No. 1 R - Allow a printer cost amount of R1000.00 for supply and installation of released three lever mortice locked and brindure. NANDLES Agrorosid 18 Set of Next 111mm pull handless fixed back to book. SUNDRIES **Set of Next 111mm pull handless fixed back to book. SUNDRIES **Set of Next 111mm pull handless fixed back to book. SUNDRIES **Set of Next 111mm pull handless fixed back to book. SUNDRIES **Set of Next 111mm pull handless fixed back to book. **SUNDRIES **Set of Next 111mm pull handless fixed back to book. **SUNDRIES **Set of Next 111mm pull handless fixed back to book. **SUNDRIES **Set of Next 111mm pull handless fixed back to book. **SUNDRIES **Set of Next 111mm pull handless fixed back to book. **SUNDRIES **Set of Next 111mm pull handless fixed back to book. **SUNDRIES **Set of Next 111mm pull handless fixed back to book. **SUNDRIES **Set of Next 111mm pull handless fixed back to book. **SUNDRIES **Set of Next 111mm pull handless fixed back to book. **SUNDRIES **Set of Next 111mm pull handless fixed back to book. **SUNDRIES **Set of Next 111mm pull handless fixed back to book. **SUNDRIES **Set of Next 111mm pull handless fixed back to book. **SUNDRIES **Set of Next 111mm pull handless fixed back to book. **SUNDRIES **Set of Next 111mm pull handless fixed back to book. **SUNDRIES **Set of Next 111mm pull handless fixed back to book. **SUNDRIES **Set of Next 111mm pull handless fixed back to book. **SUNDRIES **Set of Next 111mm pull handless fixed back to book. **SUNDRIES **Set of Next 111mm pull handless fixed back to book. **Set of Next 111mm		Keys/Locks	НЗ				
When tode names are specified other irromorgery expressed by the Principal Agent may be used Filing Filing of inventor-gray is desired to be fixed to timber unless difference described ### (CPM# WORK GROUP NO. 132 UNLESS OTHERWISE STATED) LOCKS Approved Allow a prime cost amount of R1000.00 for supply and installation of three lever mortice locked and furniture. No. 1 R - Approved Allow a prime cost amount of R1000.00 for supply and installation of rebetted three lover mortice locked and furniture. No. 1 R - No. 2 R - **NONDLES** Approved 1130 Set of five of 11then pull handres fixed back to back SUADRIES* **Solid or equal approved 2 Simm for 11then pull handres fixed back to back SUADRIES* **Solid or equal approved 3 Simm for 11then pull handres fixed back to back SUADRIES* **Solid or equal approved 5 Solid or equal approved 6 Solid or equal approved 7 Solid or equal approved 8 Solid or equal approved 8 Solid or equal approved 8 Solid or equal approved 9 Soli							
Fixed Plans of inconcence to the fixed to freshold to finished unless concernates described ROMMONGERY HZ UNLESS OTHERWISE STATED) LOCKS Approved Aflow a prime cost amount of R1000.00 for supply and installation of these lever mortice lockest and furniture. Allow a prime cost amount of R1000.00 for supply and installation of rebated fitters lever mortice lockest including rebate convension bit and furniture. HANDLES Approved H3 Set of fixed 11 from pull handles fixed back to back SIMDRIES Approved H3 Set of voc 11 from pull handles fixed back to back SIMDRIES Solid or ouguel approved H3 Sem Diamater nubber focusival mounted door stop PUSH PLATES AND NOONNG PLATES Solid Solid NOONNG PLATES Solid Solid NOONNG PLATES Solid Solid NOONNG PLATES SOLID NOONNG		Trade Names	НЗ				
Point of incomongery is decembed to be filted to simber unities otherwise described BONMONGERY (ICPA WORK GROUP NO. 132 UNLESS OTHERWISE STATED) LOCICS Approved Allow a prime cost amount of R1000.00 for supply and installation of three lever mortice locices and furniture. No 15 R R R R R R R R R R R R R		Where trade names are specified other ironmongery approved by the Principal Agent may be used					
POMMONEGRY CPAP WORK GROUP NO. 132 UNLESS OTHERWISE STATED) LOCKS Approved Allow a prime cost amount of R1000.00 for supply and installation of three lover mortice lockset and furniture. No. 1 R Allow a prime cost amount of R1000.00 for supply and installation of related three lover mortice lockset including related convention list and furniture. No. 2 R NANOLES Approved Ind. Stat of two 111mm pull handles fixed back to back SUNDRESS SUNDRESS SOLOT or equal approved 193 Summ Dameter rubber floor/wall mounted door stop PUSH PLATES AND KICKING PLATES Sold of the NANOLES AND KICKIN		<u>Fixing</u>	НЗ				
Inches I		Fixing of ironmongery is deemed to be fixed to timber unless otherwise described					
LOCKS Approved Allow a prime cost amount of R1000.00 for supply and installation of three lever monitoe locksed and furniture. Allow a prime cost amount of R1500.00 for supply and installation of rebated three lever monitoe locksed including rebate conversion kit and furniture. HANDLES HANDLES Approved Set of two 111 mm pull handles foxed back so back SINDRIES Solid* or equal approved B3 Set of two 111 mm pull handles foxed back so back SINDRIES TSolid* or equal approved B4 SET ONE PLATES AND NICKING PLATES TSOLID* HALES AND NICKING PLA		IRONMONGERY	H2				
Approved Allow a prime cost amount of R1000.00 for supply and installation of three fever mortice lockset and furniture. Allow a prime cost amount of R1500.00 for supply and installation of rebated three lever mortice lockset including rebate convension left and burniur. HANDLES Approved H3 Sproved H3 SINDRIES SINDRIES SINDRIES SINDRIES SINDRIES SINDRIES SINDRIES SINDRIES SINDRIES SOLIT or equal approved H3 Solid To regulal approved B1 Solid To regular approved B2 Serm Diameter rubber floor/eali mounted door stop PUSH PLATES AND KICKING PLATES Solid To a 200mm high x 2mm stainless steel kick plate with aluminium screw No 6 R - Column x 200mm high x 2mm stainless steel kick plate with aluminium screw		(CPAP WORK GROUP NO. 132 UNLESS OTHERWISE STATED)	H2				
Allow a prime cost amount of R1500.00 for supply and installation of three lever mortice lockset and furniture. Allow a prime cost amount of R1500.00 for supply and installation of rebated three lever mortice lockset including rebate conversion kit and furniture. HANDLES Approved Set of two 11 mm pull handless fixed back to back SINDRIES Solid" or equal approved H3 38mm Bianseter subber fitor/wall mounted door stop PUSH PLATES AND KICKINO PLATES Solid" 500mm x 200mm high x 2mm stairless steel lock plate with aluminum screw No 6 R - R -		LOCKS	H2				
Allow a prime cost amount of R1500.00 for supply and installation of rebated three lever monice lockest including rebate conversion kit and fulfill and the state of the state		Approved	НЗ				
MANDLES	79	Allow a prime cost amount of R1000.00 for supply and installation of three lever mortice lockset and furniture.	No	1		R	-
Approved Standard State of two 111mm pull handles fixed back to back SUNDRIES Solid* or equal approved H3 State of two 111mm pull handles fixed back to back SUNDRIES Solid* or equal approved H3 State of two 111mm pull handles fixed back to back H3 State of two 111mm pull handles fixed back to back No R - R			No	2		R	-
Set of two 111mm pull handles fixed back to back SUNDRIES 'Solid" or equal approved 143 82 38mm Diameter rubber floor/wall mounted door stop PUSH PLATES AND KICKING PLATES 'Solid" 83 800mm x 200mm high x 2mm stainless steel kick plate with aluminium screw R -		HANDLES	H2				
SUNDRIES *Solid* or equal approved 82 38mm Diameter rubber floor/wall mounted door stop PUSH PLATES AND KICKING PLATES *Solid* 83 900mm x 200mm high x 2mm stainless steel kick plate with alluminium screw No 6 R		Approved	НЗ				
Solid* or equal approved 82 38mm Diameter rubber floor/walf mounted door stop PUSH PLATES AND KICKING PLATES Solid* H3 83 800mm x 200mm high x 2mm stainless steel kick plate with aluminium screw No 6 R -	81	Set of two 111mm pull handles fixed back to back	No	3		R	-
82 S8mm Diameter rubber floor/wall mounted door stop PUSH PLATES AND KICKING PLATES 'Solid' H3 83 800mm x 200mm high x 2mm stainless steel kick plate with aluminium screw No R R - R - R - H2 H3 R5 - R - R - R - R - R - R - R - R - R		SUNDRIES	H2				
PUSH PLATES AND KICKING PLATES "Solid" H3 83 800mm x 200mm high x 2mm stainless steel kick plate with aluminium screw No 6 R		"Solid" or equal approved	НЗ				
"Solid" H3 800mm x 200mm high x 2mm stainless steel kick plate with aluminium screw No 6 R -	82	38mm Diameter rubber floor/wall mounted door stop	No	2		R	-
830 800mm x 200mm high x 2mm stainless steel kick plate with aluminium screw No 6 R -		PUSH PLATES AND KICKING PLATES	H2				
		"Solid"	НЗ				
Carried to Summary R -	83	800mm x 200mm high x 2mm stainless steel kick plate with aluminium screw	No	6		R	-
Carried to Summary							
Carried to Summary R -							
Carried to Summary							
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Carried to Summary R -							
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Carried to Summary R -							
		Carried to Summary				R	-

Item No	Description	UOM	Qty	Rate	Amou	nt
	SECTION 3: MATERNITY WARD	H1				
	BILL NO. 7	H1				
	STAINLESS STEEL	H1				
	PREAMBLES	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.					
	SUPPLEMENTARY PREAMBLES	H2				
	(CPAP WORK GROUP NO. 141 UNLESS OTHERWISE STATED)					
	STAINLESS STEEL	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	НЗ				
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	-
	1,6mm thick approved galvanised double rebated frames with 1 and a half pair of standard steel butt hinges suitable for one brick walls	НЗ				
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	Amou	ınt
	SECTION 3: MATERNITY WARD	H1				
	BILL NO. 8	H1				
	PLASTERING (PROVISIONAL)	H1				
	PREAMBLES	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.					
	SUPPLEMENTARY PREAMBLES	H2				
	(CPAP WORK GROUP NO. 142 UNLESS OTHERWISE STATED)					
	INTERNAL PLASTER	H2				
	Cement plaster trowelled smooth on brickwork	НЗ				
88	On walls in small areas	m2	40		R	-
	EXTERNAL PLASTER	H2				
	Cement plaster trowelled smooth on brickwork	НЗ				
89	On walls in small areas	m2	40		R	-
	Carried to Summary				R	-
			ı			

Item No	Description	UOM	Qty	Rate	Amou	ınt
	SECTION 3: MATERNITY WARD	H1				
	BILL NO. 9	H1				
	PLUMBING AND DRAINAGE (PROVISIONAL)	H1				
	PREAMBLES	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.					
	PLUMBING AND DRAINAGE	H2				
	(CPAP WORK GROUP NO. 148 UNLESS OTHERWISE STATED)					
	RAINWATER DISPOSAL	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)					
	0,8mm Chromadek seamless gutters and rainwater pipes	НЗ				
90	150 x 100mm Gutters fixed with concealed brackets	m	90		R	-
91	Extra over eaves gutter for stopped end	No	4		R	-
92	Extra over eaves gutter for outlet for 100 x 75mm pipe	No	4		R	-
93	Extra over eaves gutter for drop box suitable for 150 x 100mm gutter	No	4		R	-
94	Rainwater Down pipes	m	20		R	-
95	Extra over rainwater pipe for plinth bend	No	8		R	-
96	Extra over rainwater pipe for shoe.	No	4		R	-
	Carried to summary				R	-
					<u> </u>	

SECTION 3: MATERNITY WARD BILL NO. 10 GLAZING (PROVISIONAL) PREAMBLES 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) GLAZING TO STEEL WITH PUTTY 6.0mm clear toughened glass secured into galvanized window with a compatible UV resistant sealant 97 Panes exceeding 0,1m2 and not exceeding 0,5m2 fixed to existing steel windows.	Item No	Description	UOM	Qty	Rate	Amount
BILL NO. 19 GLARMO (PROVIDENAL) PREAMOR S. The Indicate is relative to the second disease in Protected addition of the Middle Presentation and to the Supplementary Preember under the second control of the Middle Presentation and to the Supplementary Preember under the second control of the Middle Presentation and to the Supplementary Preember under the CPA AND CONTROL OF THE WITHOUTH CON				,		
SILADING PROVISIONAL) PREADMENTS The secretar is referred to the relevance characte in the head edition of the Mode Powershoes for Traces and to the Deplementary Present Assembly Street Ass						
PRE-AMBLES The Leadant is relieved to the elicitory clauses in the lated addition of the Madel Precembles for Treates and to the Supplementary Precembles which are incorporated in the Bird Columbia. CEPAR WORK GROUP NO. 55 LINLESS CHI-ENWISE STATED) SEARCH CORTES WITH PUTIT Calmen rises trunchand (see searce from procedulary strong with a compatible for received seabout 30 Parameter of the rise of the searce of the		BILL NO. 10	H1			
The virtual control of the last of the control of the last of the		GLAZING (PROVISIONAL)	H1			
Series are necoparated in the field of Quartities. CPPA Viridon Concilor No. 100 MUSES OFTERWISE STATED) 1-2 1-2 1-3 1-3 1-4 1-5 1-5 1-5 1-5 1-6 1-7 1-7 1-7 1-7 1-7 1-7 1-7		PREAMBLES	H2			
Se. APPRIOR TO STEEL WITH PUTTY 2. Differ that couplement of this secure of two subhappased vincous with a connectable ITV resistance seathers 7. Phases according to This and not exceeding 0.5m2 fixed to existing used vincouse. 8. Secure of Oldarry C-printipase. 8. Rem 9. Rem 1. R. Rem 1.		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.				
### Annual control of the control of		(CPAP WORK GROUP NO. 150 UNLESS OTHERWISE STATED)	H2			
### Annual control of the control of		GLAZING TO STEEL WITH PUTTY	H2			
Planes concooling it into acrd not concooling it. Death in conditing steed windows. See all Chairing Certificates. R R			НЗ			
188 Nasue of Citizong Certificate.	07			0.4		D
Carried to summary	98	Issue of Glazing Certificate.	Item	1		R -
Carried to summary R						
Carried to summary R						B
		Carried to summary				R -

Item No	Description	UOM	Qty	Rate	Amo	unt
	SECTION 3: MATERNITY WARD	H1				
	BILL NO. 11	H1				
	PAINTWORK (PROVISIONAL)	H1				
	PREAMBLES	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.					
	SUPPLEMENTARY PREAMBLES	H2				
	Where trade names are specified it will read "or equal approved"					
	PAINTWORK TO NEW WORK	H2				
	ON FLOATED PLASTER	H2				
	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	НЗ				
99	On internal walls	m2	40		R	-
	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	НЗ				
100	On external walls	m2	40		R	-
	ON PLASTER BOARD	H2				
	Prepare and brush surface to remove loose contaminants and apply one coat alkali resistant primer, including priming nail heads with galvanised iron primer, one coat universal undercoat and two coats emulsion paint	Н3				
101	On ceilings	m2	405		R	-
	ON FIBRE CEMENT	H2				
	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:	НЗ				
102	On fascias and barge boards	m2	30		R	-
	<u>ON WOOD</u>	H2				
	Prepare and brush surface to remove all loose contaminants and apply two coats approved carbolineum anti-corrosive coal tar paint	Н3				
103	On roof timbers at eaves and verges	m2	80		R	-
	Prepare, brush surface to remove all loose contaminants, stain and apply three coats approved woodguard exterior quality varnish					
104	On doors	m2	16		R	-
	PAINTWORK TO EXISTING WORK	H2				
	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.					
105	On internal walls	m2	525		R	-
106	On external walls	m2	345		R	-
	Carried to summary				R	
	Sarried to Summary					

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

No	Description	UOM	Qty	Rate	Amount
ļ,	SECTION 4: SMALL BUILDING AND VERANDA	H1			
	BILL NO. 1	H1			
	ALTERATIONS (PROVISIONAL)	H1			
<u> </u>	MODEL PREAMBLES	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			
:	SUPPLEMENTARY PREAMBLES	H2			
ſ	Existing Furniture, Equipment, etc	НЗ			
0	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				
ſ	Damage to existing finishes	НЗ			
1	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 exitsing 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 exitsing 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				
ļ	Responsibility for site	НЗ			
1	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				
ľ	Explosives	НЗ			
,	No explosives whatsoever may be used for demolition purposes unless otherwise stated				
(General	НЗ			
á	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				
1	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				
١	"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				
f	"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				
t	"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				
t	"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				
á	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				
f	"Building up openings" implies that after the removal of any doors, windows or screens that may be decribed to be taken down, the opening is to be filled up solid (or to the tickness 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.				
	Carried Forward				R -

		1			
	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	НЗ			
	The removal of asbestos shall be carries 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 ciminally				
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	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				
	REMOVAL OF EXISTING WORK	Н3			
	Taking down and removing roofs, floors, panelling, ceilings, partitions, etc.	НЗ			
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, brandering, 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	_
	Carried to summary			R	

Item No	Description	UOM	Qty	Rate	Amount	٦
	SECTION 4: SMALL BUILDING AND VERANDA	H1				
	BILL NO. 2	H1				
	MASONRY (PROVISIONAL)	H1				
	MODEL PREAMBLES	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				
	SUPPLEMENTARY PREAMBLES	H2				
	BRICKWORK	H2				
	(CPAP WORK GROUP NO. 116 UNLESS OTHERWISE STATED)	H2				
	Sizes in descriptions	НЗ				
	Where sizes in descriptions are given in brick units, "one brick" shall represent the length and "half brick" the width of a brick					
	Bricks	НЗ				
	Clay & concrete bricks are to comply with N.H.B.R.C Part 2, Section 3					
	Hollow walls etc	НЗ				
	Tiolow wans de	110				
	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 "Brixeal" bitumen emulsion waterproofing coating.					
	Pointing	Н3				
	All pointing of exposed joints to be concave					
	Samples	Н3				
	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					
	SUPERSTRUCTURE	H2				
	Brickwork of NFP bricks in class II mortar	НЗ				
113	Half brick walls in beamfilling	m2	8		R -	
	BRICKWORK SUNDRIES	H2				
	Galvanized brickwork reinforcement	НЗ				
114	75mm Wide reinforcement built in horizontally	m	32		R -	
	Galvanised hoop iron cramps, ties, etc	НЗ				
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 -	
	Carried to summary				R -	
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SECTION & SOURCE LITTLE CRITICAL TO STANDARD AND STANDARD	Item No	Description	UOM	Qty	Rate	Amo	unt
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service processor in the BILD Countries. SPEPLEMENTARY PREAMINES Descript The not discoting date of 2,00mm AZ 102 AreA for equal approved BIR BIB solition of incoming as incoming and on the bright by a personal control of the Countries of th		PREAMBLES .	H2				
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promotes out of process from certifical 2215 galvanized sized complying with ISO 350 (21). A certificate verifying complarace shall be issued by the name facility. First for A2100 Zenature The profiles a feath supplied with a certification ISSS consisting of a full top cest "Colourptian" or easil approved silicone modified polyeseer Colour. The profiles a feath supplied with a certification ISSS consisting of a full top cest "Colourptian" or easil approved silicone modified polyeseer Colour. The A255 ST Zenot Switze a final be liked to every puth solicity in accordance with menufacturer's specifications. Moles through shading area to be other shading and ISS present dates according to the silver of the same shading and ISSS specified and ISSS specified by the same shading and ISSS specified and I		Sheeting	НЗ				
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delice and ND puncting of hotes are allowed. Exim Diameter x 75mm tring faining screeks with 15mm diameter waters and rubber gesident are to be used. Every preciation intalle bear two prevent dismages for construction. Duck channels should be used without the second of the prevention of the preventi		Assembly	НЗ				
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salaring being food, all throughs at the appex shall be aspected to the full depth of the sheet in order to prevent any penetration of with when excessary. All three operators must be performed with special book available from the manufacture. Can shall be allowed to the settle profit of pashing will be operators must be performed with special book available from the manufacture. Can shall be allowed to shall be appeared to the shall be appea		Flashings	НЗ				
The manufacturer shall be assessed and certified as complying with ISO 9001: 2008 Quality Management System Guarantee AZ 150 Zinckl or equal approved sharing shall be laid in strict accordance with manufacturer's specifications by an approved contractor. The employer shall be provided with a law par written guarantee or materials and a five year written guarantee on root/manship and water lightness after final inspection of the rooth, by the manufacturer. Handling and Storage 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 with roof preventing damage and protecting sheets through all stages of construction. Before commencing with installation, the contractor shall verify that the following items have been checked and accepted: a. The entitie structure or the poprior inhered to be sheeten than Seen contractor shall verify that the following items have been checked and accepted: a. The entitie structure or the poprior inhered to be sheeten than Seen contractor shall verify that the following items have been checked and accepted: a. The entitie structure or the poprior inhered to be sheeten than Seen contractor of the Poprior inhered to be sheeten than Seen contractor of the Poprior inhered to be sheeten than Seen contractor of the Poprior inhered to be sheeten than Seen contractor of the poprior inhered to be sheeten than Seen contractor of the poprior inhered to be sheeten than Seen so the Seed and the Seen sheeten seen seen than Seen so that the Seen sheeten seen seen sheet inhered to the sheeting are in the same black spice places, class, spice places, cl		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 drived 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					
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 live year written guarantee on workmanship and water-tightness after first imagescent or the rock, by the manufacturer. Handling and Storage 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 exponse. 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 Before commencing with installation, the contractor's shall verify that the following terms have been checked and accepted: a. The entire structure or the portion thereof to be selected has been contractly aligned. Levelled and grouted b. Putries and sheeting rails are at the correct specing and are within the specified tolerances c. The correct of the roof are square and the wall framework is prependicular or as specified. It No protrusions such as bott heads, splice pitelse, desies, sec. appear on the sec of the framework. e.d. Immerbies to which roofing and clading are to be in sesthetically 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 adverting is avoided at The contractor's shell request instructions from the engineer before proceeding with the fixing of the clading. Protrusions such as pipes, ducts and the like, shall be adequasely fisshed where they pass through the sheeting surface. Where ribs has to be out alway to permit pentatrion, addressed that adequate provision is made to risk and the request of the position of the position of the posi		Quality Assurance	НЗ				
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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 116 Roof covering with pitch not exceeding 25 degrees 117 Ridge covering 650mm girth, screwed through sheet to purlins 118 Moulded Metal Polyclosures for IBR roof sheeting profile color coated. 119 Extra over for turning up roof sheet at ridge 110 Roof covering displayed as per manufacturer's manufacturer'		(CPAP WORK GROUP NO. 125 UNLESS OTHERWISE STATED)	H2				
R - Ridge covering 650mm girth, screwed through sheet to purlins m 12 R - Moulded Metal Polyclosures for IBR roof sheeting profile color coated. m 24 R - R - R - R - R - R - R - R - R - R		other), in long lengths fixed using Class 3 Climaseal screws (8mm diameter with 26mm diameter washer and rubber gasket) as per manufacturer's	НЗ				
117 Ridge covering 650mm girth, screwed through sheet to purlins 118 Moulded Metal Polyclosures for IBR roof sheeting profile color coated. 119 Extra over for turning up roof sheet at ridge m 24 R -	116	Roof covering with pitch not exceeding 25 degrees	m2	250		R	
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 -							
119 Extra over for turning up roof sheet at ridge m 24 R -							
							·
Carried Forward R -	119	⊫xtra over for turning up roof sheet at ridge	m	24			-
		Carried Forward				R	-

	Brought Forward			R	-
	ROOF AND WALL INSULATION	H2			
	"Sisalation 420" or equal approved heavy industrial grade aluminium foil based insulation	НЗ			
120	Insulation laid taut over rafters (at approximately 1 200mm centres) and fixed concurrent with purlins, etc including pvc coated steel straining wires	m2	250	R	-
	Carried to summary			R	-
				<u> </u>	

Item No	Description	UOM	Qty	Rate	Amo	unt
	SECTION 4: SMALL BUILDING AND VERANDA	H1				
	BILL NO. 4	H1				
	CARPENTRY AND JOINERY (PROVISIONAL)	H1				
	PREAMBLES	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.	НЗ				
	SUPPLEMENTARY PREAMBLES	H2				
	Proprietary products in descriptions:	НЗ				
	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.					
	ROOFS, ETC	H2				
	PLATE NAILED TIMBER ROOF TRUSS CONSTRUCTION ETC	H2				
	SUPPLEMENTARY PREAMBLES	НЗ				
	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	-
	Sawn softwood:					
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	-
	EAVES, VERGES, ETC.					
	Medium density plain fibre-cement fascias and barge boards					
126	12mm x 225mm Fascia boards including aluminium H- profile fascia joiners fixed with galvanised screws and washers	m	25		R	-
	Fibre-cement socketless barge boards					
127	200mm x 80mm Barge boards, including aluminium H-profile jointing strips etc	m	25		R	-
	Carried to summary				R	_

Item No	Description	UOM	Qty	Rate	Amou	ınt
	SECTION 4: SMALL BUILDING AND VERANDA	H1				
	BILL NO. 5	H1				
	CEILINGS, PARTITIONS AND ACCESS FLOORING (PROVISIONAL)	H1				
	PREAMBLES	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.	НЗ				
	SUPPLEMENTARY PREAMBLES	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					
	NAILED UP CEILINGS	H2				
	4mm Fibre cement ceiling board with H-type pressed steel jointing strips	НЗ				
128	Ceilings including 38 x 38 sawn softwood brandering 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	-
	Rhino gypsum plasterboard cornices	НЗ				
134	75mm coved cornices	m	60		R	-
	ROOF INSULATION	НЗ				
	Isotherm themal insulation	НЗ				
135	100mm thick insulation closely fitted and laid on top of brand	m2	192		R	-
	Carried to Summary				R	-

Item No	Description	UOM	Qty	Rate	Amount	٦
	SECTION 4: SMALL BUILDING AND VERANDA	H1				
	BILL NO. 6	H1				
	PLASTERING (PROVISIONAL)	H1				
	PREAMBLES	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.					
	SUPPLEMENTARY PREAMBLES	H2				
	(CPAP WORK GROUP NO. 142 UNLESS OTHERWISE STATED)					
	INTERNAL PLASTER	H2				
	Cement plaster trowelled smooth on brickwork	НЗ				
136	On walls in small areas	m2	8		R -	
	EXTERNAL PLASTER	H2				
	Cement plaster trowelled smooth on brickwork	НЗ				
137	On walls in small areas	m2	8		R -	
	Carried to Summary				R -	
						I

Item No	Description	UOM	Qty	Rate	Amou	ınt
	SECTION 4: SMALL BUILDING AND VERANDA	H1				
	BILL NO. 7	H1				
	PLUMBING AND DRAINAGE (PROVISIONAL)	H1				
	PREAMBLES	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.					
	PLUMBING AND DRAINAGE	H2				
	(CPAP WORK GROUP NO. 148 UNLESS OTHERWISE STATED)					
	RAINWATER DISPOSAL	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)					
	0.8mm Chromadek seamless gutters and rainwater pipes	НЗ				
138	150 x 100mm Gutters fixed with concealed brackets	m	25		R	-
139	Extra over eaves gutter for stopped end	No	4		R	-
140	Extra over eaves gutter for outlet for 100 x 75mm pipe	No	4		R	-
141	Extra over eaves gutter for drop box suitable for 150 x 100mm gutter	No	4		R	-
	Rainwater Down pipes	m	20		R	-
143	Extra over rainwater pipe for plinth bend	No	8		R	-
144	Extra over rainwater pipe for shoe.	No	4		R	_
	Carried to summary				R	-

Item No	Description	UOM	Qty	Rate	Amo	unt
	SECTION 4: SMALL BUILDING AND VERANDA	H1				
	BILL NO. 8	H1				
	PAINTWORK (PROVISIONAL)	H1				
	PREAMBLES	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.					
	SUPPLEMENTARY PREAMBLES	H2				
	Where trade names are specified it will read "or equal approved"					
	PAINTWORK TO NEW WORK	H2				
	ON FLOATED PLASTER	H2				
	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	Н3				
145	On internal walls	m2	8		R	-
	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	Н3				
146	On external walls	m2	8		R	-
	ON PLASTER BOARD	H2				
	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	Н3				
147	On ceilings	m2	120		R	-
148	On cornices	m	40		R	-
	ON FIBRE CEMENT	H2				
	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:	НЗ				
149	On fascias and barge boards	m2	15		R	-
	<u>ON WOOD</u>	H2				
	Prepare and brush surface to remove all loose contaminants and apply two coats approved carbolineum anti-corrosive coal tar paint	НЗ				
150	On roof timbers at eaves and verges	m2	24		R	-
	PAINTWORK TO EXISTING WORK	H2				
	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.					
151	On internal walls	m2	210		R	-
152	On external walls	m2	150		R	-
	Carried to summary				R	<u> </u>
	Garrieu to summary					

	SECTION 4: SMALL BUILDING AND VERANDA			
	SECTION SUMMARY - BILL OF QUANTITIES	PAGE NO	AMOL	JNT
1	Alterations (Provisional)	28	R	-
	Masonry (Provisional)	29	R	-
	Roof Coverings, etc. (Provisional)	31	R	-
4	Carpentry and Joinery (Provisional)	32	R	-
	Ceilings, Partitioning and Access Flooring (Provisional)	33	R	-
	Plastering (Provisional)	34	R	-
7	Plumbing and Drainage (Provisional)	35	R	-
	Paintwork (Provisional)	36	R	_
	Tallitwork (Tovisional)	30	IX.	
1				
1				
1				
	Carried To Final Summary		R	-

lo	Description	UOM	Qty	Rate	Amount
	Description	H1	Qty	Nate	Amount
SECTION 5: PEDIATRIC WARD		H1			
BILL NO. 1					
ALTERATIONS (PROVISIONAL)		H1			
MODEL PREAMBLES		H2			
The tenderer is referred to the relevant clauses which are incorporated in this Bill of Quantities.	in the latest edition of the Model Preambles for Trades and to the Supplementary Preambles	H2			
SUPPLEMENTARY PREAMBLES		H2			
Existing Furniture, Equipment, etc		НЗ			
	by furniture, equipment or similar items that belong to the Department except when specifically remust give the Principal Agent sufficient notice if the removal of these items are required				
Damage to existing finishes		НЗ			
damage at his own expense to the approval of of exitsing plaster, etc. is to be executed with care to be retained). Tenders will be deemed to	lamage however caused to existing finishes and fittings, etc. and he must make good all the Principal Agent. Breaking down, demolition and alteration activities and tasks, hacking off are so as to prevent damage to remaining floor and wall surfaces and finishes (where these include allowance for any necessary protection of exitsing surfaces and structures as may be spairing damage to existing surfaces and structures will be solely for the Contractors account				
Responsibility for site		НЗ			
responsible for the site, site security, general up conformance with but not limited to, the Constru and procedures. Tenderers are therefore urged	of the site by himself, and extending until practical completion is achieved, he is solely pkeep and cleaning of the site and all other responsibilities in maintaining a construction site in uction Regulations 2014, all local by-laws, all user client regulations, and all Client regulations it to study all available material and to investigate the site fully and areas contiguous to the of responsibility. No additional monetary and/or time claims will be entertained in respect of				
Explosives		НЗ			
No explosives whatsoever may be used for der	molition purposes unless otherwise stated				
General		НЗ			
The Contractor shall seem suitable whole of the					
adjoining classroom blocks and their students.	works with as little mess and noise as possible and with a minimum amount of disturbance to He shall provide proper protection of the works and provide, erect and remove when directed, y during the progress of the works, all to the satisfaction of the Principal Agent				
	be encountered and found necessary to disconnect or cut, shall be effectually stopped off or ctions that may be necessary shall be made with proper fittings, to the satisfaction of the				
easing and rehanging, cramping up, re-wedging ironmongery as necessary, replacing any glass	ich are to be re-used shall be thoroughly overhauled before refixing including taking off, g as required and making good cramps, dowels, etc, and easing, oiling, adjusting and repairing damaged in removal or subsequently and stopping up all nail and screw holes with tinted described. Re-painting or re-varnishing is given separately				
	implies that the door, etc is to be carefully taken down together with the fame, linings, ere brick lintels occur, it must be supported and propped until the openings are built up or new				
Prices for taking out and removing doors and fr finishes to match existing	rames shall include for removing door stops, cabin hooks, etc. and making good floor and wall				
sufficient in size to receive the building in of the	mplies that the plaster or any other covering is to be hacked off and an opening formed frame and cramps, and the forming of new dampproof courses, lintels, sills, etc. After building gainst the frame, plaster or faced brickwork to be made good both sides and reveals and flooring				
and the supplying of any new materials to mate	s are to be made to reinstate articles that may be damaged through the removal or otherwise, the existing work, and is to include any necessary repairs to adjacent finishings such as floors, a good is to match adjoining work in all respects and in all trades				
	nsions affecting the existing buildings on the site and he will be held solely responsible for the the manufacture of new items (doors, windows, fittings, etc)				
	g of the work will be necessary to accommodate the operational aspects of the school. The uirement in the construction programme and pricing				
described and that all necessary shoring is to b	es that the wall is to be taken down to the extent shown on the drawings or as may be be provided and allowed for to ensure the safety of the building during the pulling down or until maining walls where distrubed or affected by the removal are to be made good and left ready				
	cheading or item description, prices shall be deemed to include for the necessary costs of including but not limited to labour, transportation and disposal costs. No further claims in this				
	Carried Forward				R

		1		1	1
	Brought Forward			R	-
	"Building up openings" implies that after the removal of any doors, windows or screens that may be decribed to be taken down, the opening is to be filled up solid (or to the tickness 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.				
	Removal of asbestos material	НЗ			
	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	НЗ			
	The removal of asbestos shall be carries 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 ciminally				
	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 ciminally				
	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				
	REMOVAL OF EXISTING WORK	Н3			
	Taking down and removing roofs, floors, panelling, ceilings, partitions, etc.	НЗ			
153	Asbestos roof sheeting including timber purlins, underlay, etc complete and the provision of a certificate of safe disposal for asbestos	m2	1050	R	-
154	Take down and remove timber roof structure from the existing building size 810 m2 including making good walls to receive new roof structure (elsewhere measured)	m2	810	R	-
155	Nailed up flush plasterboard ceilings, nutec cement ceilings, covers strips, cornices, brandering, etc.	m2	810	R	-
156	Asbestos rainwater pipes and gutters and fixings	m	192	R	-
157	Asbestos fascia boards, barge boards and fixings	m	192	R	-
	Carried to summary			R	-

Item No	Description	UOM	Qty	Rate	Amou	ınt
	SECTION 5: PEDIATRIC WARD	H1				
	BILL NO. 2	H1				
	MASONRY (PROVISIONAL)	H1				
	MODEL PREAMBLES	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				
	SUPPLEMENTARY PREAMBLES	H2				
	BRICKWORK	H2				
	(CPAP WORK GROUP NO. 116 UNLESS OTHERWISE STATED)	H2				
	Sizes in descriptions	Н3				
	Where sizes in descriptions are given in brick units, "one brick" shall represent the length and "half brick" the width of a brick					
	Bricks	Н3				
	Clay & concrete bricks are to comply with N.H.B.R.C Part 2, Section 3					
	Hollow walls etc	Н3				
	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 "Brixeal" bitumen emulsion waterproofing coating.					
	Pointing	Н3				
	All pointing of exposed joints to be concave					
	Samples	Н3				
	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					
	<u>SUPERSTRUCTURE</u>	H2				
	Brickwork of NFP bricks in class II mortar	НЗ				
158	Half brick walls in beamfilling	m2	80		R	_
	BRICKWORK SUNDRIES	H2				
	Galvanized brickwork reinforcement	H3				
159	75mm Wide reinforcement built in horizontally	m	320		R	_
	Galvanised hoop iron cramps, ties, etc	НЗ				
160	30 x 1,6mm Roof tie 1,5m long with one end fixed to timber and other end cast into concrete	No	260		R	_
	Carried to summary				R	-
_						_

Item No	Description	UOM	Qty	Rate	Amount	
1101111110	SECTION 5: PEDIATRIC WARD	H1	Qty	Nate	Amount	
	BILL NO. 3	H1				
	ROOF COVERINGS, CLADDING, ETC. (PROVISIONAL)	H1				
	PREAMBLES	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				
	SUPPLEMENTARY PREAMBLES	H2				
	Sheeting	Н3				
	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 Zincalume	НЗ				
	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	НЗ				
	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	НЗ				
	Flashings shall be approved by roof sheeting manufacturer and fixed to the sheeting with \$10 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 drived 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	Н3				
	The manufacturer shall be assessed and certifed as complying with ISO 9001: 2008 Quality Management System					
	Guarantee	Н3				
	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	Н3				
	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	Н3				
	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	НЗ				
	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					
	PROFILED METAL SHEETING AND ACCESSORIES	H2				
	(CPAP WORK GROUP NO. 125 UNLESS OTHERWISE STATED)	H2				
	0.55mm Zincalume 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	НЗ				
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 -	
	Carried Forward				R -	
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Brought Figures A Scholar Motor Physicians for IMF cost already grate constructions A						
Section of the control of the control of c		Brought Forward				-
NODE AND YOULA RESULTATION The plantage of the community of processing and the processing of the department of the processing and the plantage of the plantag			m			-
Sett TWILD LEASTINGS. Like Grow and a convent from the control of the set of concernment with purities, each residently pure control shock	164	Extra over for turning up roof sheet at ridge	m	300	R	-
Production but load over refilters (at approximately 1 200 mm content) and load contracted with purifies, one including proceeded stock straining. **SHEET METAL FLASHINGS, LINKINGS, COPPRISS, ETC.** **Dullium, Second seed, abit **Selected and included and seeded plants.** **Linkings to valley a 600 mm grift with should and seeded plants.** **Refilter METAL FLASHINGS, LINKINGS, COPPRISS, ETC.** **Linkings to valley a 600 mm grift with should and seeded plants.** **Refilter METAL FLASHINGS, LINKINGS, COPPRISS, ETC.** **Linkings to valley a 600 mm grift with should and seeded plants.** **Refilter METAL FLASHINGS, LINKINGS, COPPRISS, ETC.** **Refilter METAL FLASHINGS, LINKINGS, COPPRISS, ETC.** **Linkings to valley a 600 mm grift with should and seeded plants.** **Refilter METAL FLASHINGS, LINKINGS, COPPRISS, ETC.** **Refilter METAL FLASHINGS, LINKINGS, COPPRISS, ETC.** **Linkings to valley a 600 mm grift with should and seeded plants.** **Refilter METAL FLASHINGS, LINKINGS, COPPRISS, ETC.** **Refilter METAL FLA		ROOF AND WALL INSULATION	H2			
SHET_METAL FLASHNOS, LININGS, COPINGS, ETC, OZorm, Selvantaec, theret started with "Selvandous", finals on some sides 100 Linings to valleys 9000mm girth with riversed and sessivel joints R		"Sisalation 420" or equal approved heavy industrial grade aluminium foil based insulation	Н3			
Ocom Carbonised afters takes with "Codescused finish on one side 100 Usings to variety: 2000rm girth with metod and second parts R R R	165	Insulation laid taut over rafters (at approximately 1 200mm centres) and fixed concurrent with purlins, etc including pvc coated steel straining wires	m2	1050	R	-
Titling to vallays Othern griff with revoked and sealed pinns In 74		SHEET METAL FLASHINGS, LININGS, COPINGS, ETC.	H2			
		0,6mm Galvanised sheet steel with "Globalcoat" finish on one side	Н3			
Carried to summary R	166	Linings to valleys 900mm girth with riveted and sealed joints	m	24	R	-
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Item No	Description	UOM	Qty	Rate	Amou	ınt
	SECTION 5: PEDIATRIC WARD	H1				
	BILL NO. 4	H1				
	CARPENTRY AND JOINERY (PROVISIONAL)	H1				
	PREAMBLES	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.	НЗ				
	SUPPLEMENTARY PREAMBLES	H2				
	Proprietary products in descriptions:	Н3				
	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.					
	ROOFS, ETC	H2				
	PLATE NAILED TIMBER ROOF TRUSS CONSTRUCTION ETC	H2				
	SUPPLEMENTARY PREAMBLES	НЗ				
	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.					
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	-
	Sawn softwood:					
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	-
	EAVES, VERGES, ETC.					
	Medium density plain fibre-cement fascias and barge boards					
172	12mm x 225mm Fascia boards including aluminium H- profile fascia joiners fixed with galvanised screws and washers	m	192		R	-
	Fibre-cement socketless barge boards					
173	200mm x 80mm Barge boards, including aluminium H-profile jointing strips etc	m	50		R	-
					В	
	Carried to summary				R	-

Item No	Description	UOM	Qty	Rate	Amo	unt
	SECTION 5: PEDIATRIC WARD	H1				
	BILL NO. 5	H1				
	CEILINGS, PARTITIONS AND ACCESS FLOORING (PROVISIONAL)	H1				
	PREAMBLES	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.	НЗ				
	SUPPLEMENTARY PREAMBLES	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					
	NAILED UP CEILINGS	H2				
	4mm Fibre cement ceiling board with H-type pressed steel jointing strips	Н3				
174	Ceilings including 38 x 38 sawn softwood brandering at 400mm centres	m2	810		R	-
	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	5		R	-
176	Extra over for opening for smoke detectors	No	6		R	-
177	Extra over for openings for extract grille.	No	5		R	-
178	Extra over for opening for ceiling fan.	No	3		R	-
	Rhino gypsum plasterboard cornices	Н3				
179	75mm coved cornices	m	215		R	-
	INSULATION	Н3				
	Isotherm thermal insulation	Н3				
180	100mm thick insulation closely fitted and laid on top of brand	m2	810		R	-
	Carried to Summary				R	-
			I	<u> </u>	ll	

Item No	Description	UOM	Qty	Rate	Amount
	SECTION 5: PEDIATRIC WARD	H1	,		
	BILL NO. 6	H1			
	PLASTERING (PROVISIONAL)	H1			
	PREAMBLES	H2			
	The tenderer is referred to the relevant clauses in the latest edition of the Model Preambles for Trades and to the Supplementary Preambles	112			
	which are incorporated in this Bill of Quantities.				
	SUPPLEMENTARY PREAMBLES	H2			
	(CPAP WORK GROUP NO. 142 UNLESS OTHERWISE STATED)				
	INTERNAL PLASTER	H2			
	Cement plaster trowelled smooth on brickwork	Н3			
181	On walls in small areas	m2	80		R -
	EXTERNAL PLASTER	H2			
	Cement plaster trowelled smooth on brickwork	Н3			
	On walls in small areas	m2	80		R -
102	On walls in small areas	IIIZ	60		K -
	Carried to Summary				R -
					0

Item No	Description	UOM	Qty	Rate	Amou	ınt
	SECTION 5: PEDIATRIC WARD	H1				
	BILL NO. 7	H1				
	PLUMBING AND DRAINAGE (PROVISIONAL)	H1				
	PREAMBLES.	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.					
	PLUMBING AND DRAINAGE	H2				
	(CPAP WORK GROUP NO. 148 UNLESS OTHERWISE STATED)					
	RAINWATER DISPOSAL	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)					
	0.8mm Chromadek seamless gutters and rainwater pipes	Н3				
183	150 x 100mm Gutters fixed with concealed brackets	m	192		R	-
184	Extra over eaves gutter for corners	No	15		R	-
185	Extra over eaves gutter for outlet for 100 x 75mm pipe	No	15		R	-
186	Extra over eaves gutter for drop box suitable for 150 x 100mm gutter	No	15		R	-
187	Rainwater Down pipes	m	60		R	-
188	Extra over rainwater pipe for plinth bend	No	30		R	-
	Extra over rainwater pipe for shoe.	No	15		R	-
	Carried to summary				R	-
					1	

Item No	Description	UOM	Qty	Rate	Amo	unt
	SECTION 5: PEDIATRIC WARD	H1				
	BILL NO. 8	H1				
	PAINTWORK (PROVISIONAL)	H1				
	PREAMBLES	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.					
	SUPPLEMENTARY PREAMBLES	H2				
	Where trade names are specified it will read "or equal approved"					
	PAINTWORK TO NEW WORK	H2				
	ON FLOATED PLASTER	H2				
	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	НЗ				
190	On internal walls	m2	80		R	-
	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	НЗ				
191	On external walls	m2	80		R	-
	ON PLASTER BOARD	H2				
	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	НЗ				
192	On ceilings	m2	810		R	-
	ON FIBRE CEMENT	H2				
	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:	Н3				
193	On fascias and barge boards	m2	45		R	-
	<u>on wood</u>	H2				
	Prepare and brush surface to remove all loose contaminants and apply two coats approved carbolineum anti-corrosive coal tar paint	Н3				
194	On roof timbers at eaves and verges	m2	205		R	-
	PAINTWORK TO EXISTING WORK	H2				
	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.					
195	On internal walls	m2	753		R	-
196	On external walls	m2	726		R	-
	Carried to summary				R	-
<u> </u>				<u> </u>		

	SECTION 5: PEDIATRIC WARD				
	SECTION SUMMARY - BILL OF QUANTITIES		PAGE NO	AMOUI	NT
1	Alterations (Provisional)		39	R	_
	Masonry (Provisional)		40	R	_
	Roof Coverings, etc. (Provisional)		42	R	_
	Carpentry and Joinery (Provisional)		43	R	-
	Ceilings, Partitioning and Access Flooring (Provisional)		44	R	-
	Plastering (Provisional)		45	R	-
	Plumbing and Drainage (Provisional)		46	R	-
	Paintwork (Provisional)		47	R	-
	Carried To Final Summary			R	-
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Description	UOM			Amount
		Qty	Rate	Amount
ECTION 6: OLD THEATRE	H1			
ILL NO. 1	H1			
LTERATIONS (PROVISIONAL)	H1			
ODEL PREAMBLES	H2			
ne tenderer is referred to the relevant clauses in the latest edition of the Model Preambles for Trades and to the Supplementary Preambles hich are incorporated in this Bill of Quantities.	H2			
UPPLEMENTARY PREAMBLES	H2			
xisting Furniture, Equipment, etc	H3			
ne Contractor shall not remove or damage any furniture, equipment or similar items that belong to the Department except when specifically escribed in the items to follow: The Contractor must give the Principal Agent sufficient notice if the removal of these items are required effore any prescribed alterations can be done				
amage to existing finishes	НЗ			
ne Contractor will be held responsible for all damage however caused to existing finishes and fittings, etc. and he must make good all amage at his own expense to the approval of the Principal Agent. Breaking down, demolition and alteration activities and tasks, hacking off exitsing plaster, etc. is to be executed with care so as to prevent damage to remaining floor and wall surfaces and finishes (where these e to be retained). Tenders will be deemed to include allowance for any necessary protection of exitsing surfaces and structures as may be excessary to effect the above, as the cost of repairing damage to existing surfaces and structures will be solely for the Contractors account				
esponsibility for site	НЗ			
ne Contractor is to note that upon possession of the site by himself, and extending until practical completion is achieved, he is solely sponsible for the site, site security, general upkeep and cleaning of the site and all other responsibilities in maintaining a construction site in informance 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 te, in order to determine the range and extent of responsibility. No additional monetary and/or time claims will be entertained in respect of e above				
xplosives	НЗ			
o explosives whatsoever may be used for demolition purposes unless otherwise stated				
	Н3			
eneral	пз			
ne 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 dijoining classroom blocks and their students. He shall provide proper protection of the works and provide, erect and remove when directed, by temporary tarpaulins that may be necessary during the progress of the works, all to the satisfaction of the Principal Agent rater supply pipes and other piping that may be encountered and found necessary to disconnect or cut, shall be effectually stopped off or ubbed up and removed, and any new connections that may be necessary shall be made with proper fittings, to the satisfaction of the				
cincipal Agent bors, fanlights, fittings, frames, linings, etc which are to be re-used shall be thoroughly overhauled before refixing including taking off, asing and rehanging, cramping up, re-wedging as required and making good cramps, dowels, etc, and easing, oiling, adjusting and repairing onmongery as necessary, replacing any glass damaged in removal or subsequently and stopping up all nail and screw holes with tinted astic wood to match timber, unless otherwise described. Re-painting or re-varnishing is given separately				
aking out and removing doors, windows, etc" implies that the door, etc is to be carefully taken down together with the fame, linings, chitraves, window sills, etc complete and where brick lintels occur, it must be supported and propped until the openings are built up or new pors or windows built in position				
rices for taking out and removing doors and frames shall include for removing door stops, cabin hooks, etc. and making good floor and wall iishes 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 ufficient in size to receive the building in of the frame and cramps, and the forming of new dampproof courses, lintels, sills, etc. After all ding 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, nd the supplying of any new materials to match existing work, and is to include any necessary repairs to adjacent finishings such as floors, cirtings, plaster, painting, etc and such making good is to match adjoining work in all respects and in all trades				
ne Contractor will be required to take all dimensions affecting the existing buildings on the site and he will be held solely responsible for the couracy of all such dimensions where used in the manufacture of new items (doors, windows, fittings, etc)				
ne Contractor to acknowledge that sequencing of the work will be necessary to accommodate the operational aspects of the school. The ontractor to accordingly factor the above requirement in the construction programme and pricing				
sreaking 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 escribed 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 aw 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 r plaster or other finishings as described				
There removal is included in the heading, sub-heading or item description, prices shall be deemed to include for the necessary costs of moval and appropriate disposal of materials including but not limited to labour, transportation and disposal costs. No further claims in this gard will be entertained				

	Brought Forward			R	-
	"Building up openings" implies that after the removal of any doors, windows or screens that may be decribed to be taken down, the opening is to be filled up solid (or to the tickness 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.				
	Removal of asbestos material	НЗ			
	All preparatory work, alterations, etc., to existing asbestos cement roof sheeting, gutters, rainwater pipes, etc., is to be carried out strictly by				
	As preparatory work, aircrafting 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	НЗ			
	The removal of asbestos shall be carries 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 ciminally				
	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 ciminally				
	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				
	REMOVAL OF EXISTING WORK	Н3			
	Taking down and removing roofs, floors, panelling, ceilings, partitions, etc.	НЗ			
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, brandering, 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	_
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Item No	Description	UOM	Qty	Rate	Amoun	t
	SECTION 6: OLD THEATRE	H1				
	BILL NO. 2	H1				
	MASONRY (PROVISIONAL)	H1				
	MODEL PREAMBLES	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				
	SUPPLEMENTARY PREAMBLES	H2				
	BRICKWORK	H2				
	(CPAP WORK GROUP NO. 116 UNLESS OTHERWISE STATED)	H2				
	Sizes in descriptions	Н3				
	Where sizes in descriptions are given in brick units, "one brick" shall represent the length and "half brick" the width of a brick					
	Bricks	Н3				
	Clay & concrete bricks are to comply with N.H.B.R.C Part 2, Section 3					
	Hollow walls etc	Н3				
	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 "Brixeal" bitumen emulsion waterproofing coating.					
	Pointing	Н3				
	All pointing of exposed joints to be concave					
	Samples	НЗ				
	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					
	SUPERSTRUCTURE	H2				
	Brickwork of NFP bricks in class II mortar	Н3				
202	Half brick walls in beamfilling	m2	60		R	_
	BRICKWORK SUNDRIES	H2				
	Galvanized brickwork reinforcement	Н3				
203	75mm Wide reinforcement built in horizontally	m	240		R	_
	Galvanised hoop iron cramps, ties, etc	Н3				
204	30 x 1,6mm Roof tie 1,5m long with one end fixed to timber and other end cast into concrete	No	152		R	_
	Carried to summary				В	_
	Carried to summary				R	_

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The Control or extended to the review or closes in the latest default of the Model Proprieto for Trades and is the Supplementary Phasmaces where the incorporated in this field of Countries. ### 12		BILL NO. 3	H1				
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Execution of substract in the influence content of the latest collision of the Middle Processing for Tracks, and to this Supplementary Properties. SUPPLEMENTARY PREMIETE. The conditional of the Colores AF150 Tricks or again approach IRR 488 yealth and become to content or being they a personnel or and propose from ordified 2750 places had approach IRR 488 yealth and become the colores and approach of the latest processing or an artificial 2750 places had been considered and the content of the latest places and the colores and the latest places and the latest place		PREAMRIES	Н2				
SHPERENT ANY PERAMETER Develop The not distorting shall be 3,056m A.2 (10.2 zm/d or coad approved IBM 888 pools to home on continuous lengths and or to longth by a procured to or of protess from continuous 2705 galaxies dead complying with ISD 500 (27). A continuous verying complactor drail be accessed by the manufacture. From the Ant Develop of the continuous continuous continuous and the accessed of the continuous contin			112				
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Disereing The noted shakeding that the 0.55mm A2150 Zhioki or equal approved BR 988 profile cold-tomate in continuous lakegiths and cut to keypith by a presented country groups from certified ZXPO pubmited and entire the presented country of the presented profile shaked the presented country of the presented country of the presented country of the presented profile shaked the captured with a paint fresh 0.900 constants of a full top coult 'Colouption' or equal approved discover mostified polysector Coccur. The native changing on reads are Cocol Gary backing to order. According The A2150 Zhanki already all the filed to were youth extinct in accordance with menuluclusien's specifications. Hoter through a filed the present of the control of the present of the present of the control of the control of the present of the present of the control of the present of the p		CIIDDI EMENTADV DDE AMDI EC	Цэ				
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prisonantic count of process from certified 2275 gainwaread seed complying with 150 550 (71). A certificate verificing complance shall be assessed by the manufacture. Finish the AZ182 Zenouthme 143 The ports a faith as applied with a part free COSSI consisting of a fait fits on and "Colourplan" or equal approved sitizane modified polyester Ascential 143 The ports a faith as applied with a part of the COSSI consisting of a faith fit on and "Colourplan" or equal approved sitizane modified polyester Ascential 145 The AZ180 Zenouth about 5 and 160 part of the COSSI consisting of a faith fit on and "Colourplan" or equal approved sitizane modified polyester to the offstod and ND participal of from a coloured. New Domater 7 Times to page from a faith of a f		Sheeting	Н3				
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	Brought Forward			R	-
207	Moulded Metal Polyclosures for IBR roof sheeting profile color coated.	m	150	R	-
208	Extra over for turning up roof sheet at ridge	m	150	R	-
	ROOF AND WALL INSULATION	H2			
	"Sisalation 420" or equal approved heavy industrial grade aluminium foil based insulation	НЗ			
209	Insulation laid taut over rafters (at approximately 1 200mm centres) and fixed concurrent with purlins, etc including pvc coated steel straining wires	m2	960	R	-
	SHEET METAL FLASHINGS, LININGS, COPINGS, ETC.	H2			
	0,6mm Galvanised sheet steel with "Globalcoat" finish on one side	Н3			
210	Linings to valleys 900mm girth with riveted and sealed joints	m	24	R	-
	Carried to summary			R	-

Item No	Description	UOM	Qty	Rate	Amour	nt
	SECTION 6: OLD THEATRE	H1				
	BILL NO. 4	H1				
	CARPENTRY AND JOINERY (PROVISIONAL)	H1				
	PREAMBLES	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.	Н3				
	SUPPLEMENTARY PREAMBLES	H2				
	Proprietary products in descriptions:	НЗ				
	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.					
	ROOFS, ETC	H2				
	PLATE NAILED TIMBER ROOF TRUSS CONSTRUCTION ETC	H2				
	SUPPLEMENTARY PREAMBLES	Н3				
	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.					
	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	-
	Sawn softwood:					
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	-
	EAVES, VERGES, ETC.					
	Medium density plain fibre-cement fascias and barge boards					
216	12mm x 225mm Fascia boards including aluminium H- profile fascia joiners fixed with galvanised screws and washers	m	150		R	-
	Fibre-cement socketless barge boards					
217	200mm x 80mm Barge boards, including aluminium H-profile jointing strips etc	m	25		R	-
	Carried to summary				R	-

Item No	Description	UOM	Qty	Rate	Amou	nt
	SECTION 6: OLD THEATRE	H1				
	BILL NO. 5	H1				
	CEILINGS. PARTITIONS AND ACCESS FLOORING (PROVISIONAL)	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.	Н3				
	SUPPLEMENTARY PREAMBLES	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					
	NAILED UP CEILINGS	H2				
	4mm Fibre cement ceiling board with H-type pressed steel jointing strips	НЗ				
218	Ceilings including 38 x 38 sawn softwood brandering 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	-
	Rhino gypsum plasterboard cornices	Н3				
223	75mm coved cornices	m	200		R	-
	ROOF INSULATION	Н3				
	Sisalation or similar approved insulation	Н3				
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
	SECTION 6: OLD THEATRE	H1			
	BILL NO. 6	H1			
	PLASTERING (PROVISIONAL)	H1			
	PREAMBLES	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.				
	SUPPLEMENTARY PREAMBLES	H2			
	(CPAP WORK GROUP NO. 142 UNLESS OTHERWISE STATED)				
	INTERNAL PLASTER	H2			
	Cement plaster trowelled smooth on brickwork	НЗ			
225	On walls in small areas	m2	60		R -
	EXTERNAL PLASTER	H2			
	Cement plaster trowelled smooth on brickwork	H3			
226	On walls in small areas	m2	60		R -
220	On wais in smail areas	1112	00		IX -
	Carried to Summary				R -
	Sarried to Summary				

Item No	Description	UOM	Qty	Rate	Amount
	SECTION 6: OLD THEATRE	H1			
	BILL NO. 7	H1			
	PLUMBING AND DRAINAGE (PROVISIONAL)	H1			
	PREAMBLES.	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.				
	PLUMBING AND DRAINAGE	H2			
	(CPAP WORK GROUP NO. 148 UNLESS OTHERWISE STATED)				
	RAINWATER DISPOSAL	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)				
	0.8mm Chromadek seamless gutters and rainwater pipes	Н3			
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 -
	Extra over rainwater pipe for plinth bend	No	12		R -
	Extra over rainwater pipe for shoe.	No	6		R -
	Carried to summary				R -
<u> </u>					

Item No	Description	UOM	Qty	Rate	Amou	ınt
	SECTION 6: OLD THEATRE	H1				
	BILL NO. 8	H1				
	PAINTWORK (PROVISIONAL)	H1				
	PREAMBLES_	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.					
	SUPPLEMENTARY PREAMBLES	H2				
	Where trade names are specified it will read "or equal approved"					
	PAINTWORK TO NEW WORK	H2				
	ON FLOATED PLASTER	H2				
	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	НЗ				
234	On internal walls	m2	60		R	-
	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	НЗ				
235	On external walls	m2	60		R	-
	ON PLASTER BOARD	H2				
	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	НЗ				
236	On ceilings	m2	740		R	-
237	On comices	m	200		R	-
	ON FIBRE CEMENT	H2				
	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:	НЗ				
238	On fascias and barge boards	m2	45		R	-
	<u>on wood</u>	H2				
	Prepare and brush surface to remove all loose contaminants and apply two coats approved carbolineum anti-corrosive coal tar paint	НЗ				
239	On roof timbers at eaves and verges	m2	135		R	-
	PAINTWORK TO EXISTING WORK	H2				
	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.					
240	On internal walls	m2	710		R	-
241	On external walls	m2	525		R	-
	Carried to summary				R	-
	Tar. not to duminary					

SECTION 6: OLD THEATRE			
SECTION SUMMARY - BILL OF QUANTITIES	PAGE NO	AMOUN	NT
Alterations (Provisional)	50	R	_
Masonry (Provisional)	51	R	_
Roof Coverings, etc. (Provisional)	52	R	-
Carpentry and Joinery (Provisional)	54	R	-
Ceilings, Partitioning and Access Flooring (Provisional)	55	R	-
Plastering (Provisional)	56	R	-
Plumbing and Drainage (Provisional)	57	R	-
Paintwork (Provisional)	58	R	-
Carried To Final Summary		R	_
Carrieu 10 rinai Summary			

Item No	Description	UOM	Qty	Rate	Amount	٦
	SECTION 7: PROVISIONAL SUMS	H1				
	BILL NO. 1	H1				
	General	H4				
	Voltorus					
	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)					
	<u>Profit</u>	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					
	BUDGETARY ALLOWANCES	НЗ				
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 -	
	Provide the sum of R 600,000.00 (Six Hundred Thousand Rand) for Mechanical Works Sub-contractor to be appointed by the Contractor. The					
244	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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	FINAL SUMMARY - BILL OF QUANTITIES			
1	SECTION NO 1 - PRELIMINARIES AND GENERAL		-Page 1 -	R -
2	SECTION NO 2 - HUMAN RESOURCE OFFICES		- Page 12 -	R -
3	SECTION NO 3 - MATERNITY WARD		- Page 26 -	R -
4	SECTION NO 4 - SMALL BUILDING		- Page 37 -	R -
5	SECTION NO 5 - PEDIATRIC WARD		- Page 48 -	R -
6	SECTION NO 6 - OLD THEATRE		- Page 59 -	R -
7	SECTION NO 7 - PROVISIONAL SUMS		- Page 60 -	R -
	SUB-TOTAL	ST		R -
	ADD: Allow 5% Contract Price Adjustment Provision (CPAP)	5%		R -
	SUB-TOTAL	ST		R -
	ADD: Allow 10% Contingency which is to be used as directed by the Project Leader and deducted in whole or in part if not required	10%		R -
	SUB-TOTAL	ST		R -
	ADD: Value Added Tax @ 15%	15%		R -
	TOTAL CONTRACT VALUE			R -