

Part C2 : Pricing Data

KWABHACA AUCTION PANS PHASE 4 (A)

PART A

PRELIMINARIES AND GENERAL PROVISIONS

SECTION NO. 1
EXTERNAL WORKS

BILL NO. 1
PRELIMINARIES AND GENERAL PROVISIONS

ITEM NO	DESCRIPTION	RATE	AMOUNT
	The Tenderer is referred to the relevant Clauses in the Standard Preambles to All Trades and to the Supplementary Preambles which are incorporated in these Bills of Quantities. GENERAL Should there be any discrepancy between these Preliminaries and the conditions of contract, the former shall take precedence.shall take precedence. PART A : FIXED CHARGE AND VALUE RELATED ITEMS A1 Site Establishment 1 Involves the setting up of all facilities that will be needed for the efficient functioning of the construction programme. _____ Item A2 Safety 2 The Occupational Health and Safety Act requires every contractor to observe all the necessary requirement during construction period like Hazard identification, risk assessment, personal protective equipments etc. _____ Item A3 Injury to the Works 3 The contractor shall carry the risk of damage to or destruction of the works and material paid, insurable in the R.S.A by means of political riot insurance police. A4 Third Party Insurance / Public Liability 4 The contractor shall insure. _____ Item A5 Notice Board 5 The contractor shall provide, erect where directed a notice board as per drawing detail. _____ Item A6 Other Fixed Obligations 6 Remove Site Establishment on Completion of Project _____ Item		
SEC 1 BILL : 1	TOTAL CARRIED FORWARD		

SECTION NO. 1
EXTERNAL WORKS

BILL NO. 1
PRELIMINARIES AND GENERAL PROVISIONS

ITEM NO	DESCRIPTION	QUANTITY	RATE	AMOUNT
SEC 1 BILL : 1	Brought Forward			
	PART B : SHEDULED TIME-RELATED ITEMS			
7	B1 Contractual Requirements	Month 6		
	B2 Other Time-Related Obligations			
8	Contractors General Obligations in terms of Part E OHSA 1993 Health and Safety Specification	Month 6		
9	Occupational Health and Safety Officer	Month 6		
10	Supply protective clothing for site staff			
	(a) Reflective vests	Month 6		
	(d) Protective foot wear	Month 6		
	(e) Earplugs	Month 6		
	(f) Dust masks	Month 6		
	(g) Gloves for concrete work	Month 6		
	(h) Two piece conti-suit Orange colour with EPWP on the back written in black to screen print	Month 6		
SEC 1 BILL : 1	TOTAL CARRIED FORWARD			

Part C2 : Pricing Data

KWABHACA AUCTION PANS PHASE 4

PART B

EXTERNAL WORKS

SECTION 2 EXTERNAL WORKS**BILL NO. 1 GENERAL SITEWORKS, SITE CLEARANCE , ETC**

ITEM NO	DESCRIPTION	RATE	AMOUNT
	The Tenderer is referred to the relevant Clauses in the Standard Preambles to All Trades and to the Supplementary Preambles which are incorporated in these Bills of Quantities. SECTION 2 BILL NO. 1 : GENERAL SITEWORKS, SITE CLEARANCE, ETC Site clearance: 1 Clear the area of the site of all grass, weeds, shrubs, trees regardless of girth debris, etc., including grubbing up all roots, scoffling up as required and cart away all vegetation and debris. m² 2 110 Earthworks: 2 Remove topsoil to nominal depth of 150mm, stockpile and maintain m³ 316 3 Transport excavated materials and debris from all excavation to approved sites and dump m³.km 1 580 BULK EARTHWORKS Importation of G7 material for fill in precast concrete block retaining walls density of at least 90% Mod. AASHTO maximum density from: 4 a) Commercial sources m³ 70 5 Filling in retaining walls with material from the excavations over site compacted to a density of at least 90% Mod. AASHTO maximum density. m³ 55 RETAINING WALLS 'Infraset' precast concrete L500 or other approved interlocking planter blocks finished with grooves on exposed surfaces 6 Retaining walls with stepped face and curves as required to suit slopes, formed of 450 x 750 x 170mm high non-interlocking planter units laid with horizontal bed joints to 70 degree slope m² 80 7 25 Mpa Concrete Foundation m³ 8		
SEC 2 BILL : 1	Total Caried Forward		

SECTION 2 EXTERNAL WORKS**BILL NO. 2 SUB-SURFACE AND SURFACE WATER DRAINAGE CHANNELS**

ITEM NO	DESCRIPTION	QUANTITY	RATE	AMOUNT
	SECTION 2 BILL NO. 2 : SUB-SURFACE AND SURFACE WATER DRAINAGE CHANNELS SURFACE WATER CHANNELS			
1	Concrete Class B (1:3:5) open surface water channel 1000mm wide and 125mm thick overall in section with 1000mm wide x 100mm deep V-shaped channel formed in same, reinforced with and including Ref. 193 steel fabric reinforcement, finished smooth on exposed surfaces with salient angles rounded, cast in lengths not exceeding 2m and laid to falls, including all necessary excavation, filling in and compacting earth around and all necessary formwork around Play Ground	m 281		
2	Spilling basin at end of surface water channel, comprising 1,5m ² of 80mm thick concrete Class 25/19 graded to falls and currents and finished smooth with Class U2 Wood Float Finish, and 1,5m ² dispersal area of 19mm concrete stone aggregate 100mm thick. including all necessary excavation and formwork.	No. 1		
	SUBSURFACE DRAINAGE Geoconposite Pre-manufactured drainage system (Keytech Flowdrain) with Flownet drainage core, Including Excavation and backfilling			
3	(i) Flodrain A2 (30m x 450mm)	m 70		
4	ii) Geopipe (6m x 100mm) M100 meshcore HDPE drainage pipe	m 70		
SEC 2 BILL : 2	TOTAL CARRIED SECTION SUMMARY PAGE			

SECTION 2 EXTERNAL WORKS**BILL NO. 3 ROADWORKS**

ITEM NO	DESCRIPTION	QUANTITY	RATE	AMOUNT
	SECTION 2			
	BILL NO. 3 : ROADWORKS			
	EARTHWORKS			
1	Cut to spoil material	m ³ 632		
	SUBGRADE			
2	Treatment of road-bed. Road- bed Preparation (to a depth 150 mm) and compaction of material to 93% of Mod AASHTO (100% if sand)	m ³ 265		
	SUBBASE			
3	Construct 150mm thick G5 from commercial source, cemented subbase at 2% and compact to 95% MOD AASHTO under driveways	m ³ 71		
4	Construct 150mm thick G5 from commercial source, subbase and compact to 95% MOD AASHTO under Parking Areas	m ³ 50		
4	Construct 150mm thick G5 from commercial source, subbase and compact to 95% MOD AASHTO under walkways	m ³ 50		
	Stabilizing Agent:			
5	Portland Cement	tons 2		
	BASE			
6	Construct 150 mm G2 thick graded crushed stone base with material from commercial source and compact to 98% Mod ASSHTO under roadways and parking area	m ³ 120		
7	Construct 100 mm G2 thick graded crushed stone base with material from commercial source and compact to 98% Mod ASSHTO under walkways	m ³ 0		
SEC 2 BILL : 3	TOTAL CARRIED SECTION SUMMARY PAGE			

SECTION 2 EXTERNAL WORKS**BILL NO. 3 ROADWORKS**

ITEM NO	DESCRIPTION	QUANTITY	RATE	AMOUNT
SEC 2 BILL : 3	Brought Forward			
	BITUMINOUS SURFACE TREATMENT			
8	Prime coat (cut back bitumen grade MC 30 as per Project Spec.at a rate of 0.7 litres/m2)	m ² 720		
9	Variations in quantities of prime and bituminous binders	litres 50		
10	Tack coat using 30% of bitumen emulsion @ 0.3 l/m2	m ² 720		
	ASPHALT			
11	30 mm thick premix	m ² 295		
12	40 mm thick premix	m ² 425		
13	Variation in quantities of premix	m ³ 3		
	CONCRETE KERBING AND CHANNELLING			
14	Figure 8b kerb	m 121		
15	Figuer 7 kerb	m 50		
	CONCRETE PAVEMENT			
16	25MPa Concrete	m ³ 40		
17	Reinforment: Ref 193 Mesh	kg 580		
SEC 2 BILL : 2	TOTAL CARRIED SECTION SUMMARY PAGE			

SECTION 2 EXTERNAL WORKS

SECTION SUMMARY

ITEM NO	DESCRIPTION	FROM PAGE	AMOUNT
	EXTERNAL WORKS : SECTION SUMMARY BILL NO. 1 : GENERAL SITEWORKS, SITE CLEARANCE, ETC BILL NO. 2 : SUB-SURFACE AND SURFACE WATER DRAINAGE CHANNELS BILL NO. 3 : ROADWORKS		
SEC 2	TOTAL CARRIED TO GENERAL SUMMARY		

Part C2 : Pricing Data

KWABHACA AUCTION PANS PHASE 4

PART C

ABLUTION BLOCK

SECTION 3 ABLUTION BLOCK**BILL NO. 1 EARTHWORKS**

ITEM NO	DESCRIPTION	RATE	AMOUNT
	The Tenderer is referred to the relevant Clauses in the Standard Preambles to All Trades and to the Supplementary Preambles which are incorporated in these Bills of Quantities. GENERAL SITEWORKS, SITE CLEARANCE, ETC Site clearance: 1 Clear the area of the site to be built upon of all grass, weeds, shrubs, trees with trunks not exceeding 200mm girth, debris, etc., including grubbing up all roots, scoffling up as required and cart away all vegetation and debris. m² 50 EXCAVATION OTHER THAN BULK Excavation in soft excavation not exceeding 2m deep for: 1 Reduced levels under floors. m³ 10 2 Trenches. a) Building Foundation m³ 20 Extra over excavations other than bulk in soft excavation for excavation in: 3 Intermediate excavation. m³ 2 4 Hard rock excavation. m³ 1 5 Class A Boulder excavation m³ 1 6 Class B Boulder excavation. m³ 1 Risk of collapse of excavations other than bulk FILLING, ETC. Filling with material from the excavations or from spoil heaps on site, compacted to a density of at least 90% Mod AASHTO maximum density: 7 Over site, including transporting a distance not exceeding 200m. m³ 7		
SEC 3 BILL : 1	Total Caried Forward		

SECTION 3 ABLUTION BLOCK

BILL NO. 2 EARTHWORKS

ITEM NO	DESCRIPTION	QUANTITY	RATE	AMOUNT
SEC 3 BILL : 1	Brought Forward			
8	Filling with material from the excavations compacted to a density of at least 95% Mod. AASHTO maximum density: Under floors.	m ³ 5		
9	Backfilling to trenches, holes, etc.	m ³ 10		
10	Filling with approved material supplied and carted onto site by the contractor, compacted to a density of at least 95% Mod. AASHTO maximum density: Under floors.	m ³ 10		
11	Approved coarse river sand filling supplied and carted onto site by the contractor, compacted to a density of at least 95% Mod. AASHTO maximum density: 25mm Thick layer under floors.	m ² 35		
	KEEPING EXCAVATIONS FREE OF WATER			
	Keeping excavations free of water:			
	Allow for keeping excavations free of all water (other than subterranean water).			
	Item			
14	De-watering: Allow for supplying a 50mm diameter submersible pump delivering approximately 500 litres per minute, with and including minimum 20m length of discharge hose, for pumping away of any subterranean water which may surface in foundation trenches, holes, etc.	Hrs 12		
SEC 3 BILL : 1	TOTAL CARRIED FORWARD			

SECTION 3 ABLUTION BLOCK
BILL NO. 2 EARTHWORKS

ITEM NO	DESCRIPTION	QUANTITY	RATE	AMOUNT
SEC 3 BILL : 1	Brought Forward			
15	SOIL POISONING <u>Approved brand of anti-termite soil poison applied by a Registered Pest Control company and guaranteed against termite infestation for ten years</u> Under floors, etc., including forming and poisoning shallow furrows against foundation walls, etc., filling in furrows and ramming. m² 40			
SEC 3 BILL : 1	TOTAL CARRIED SECTION SUMMARY PAGE			

SECTION 3 ABLUTION BLOCK

BILL NO 2 CONCRETE, FORMWORK AND REINFORCEMENT

ITEM NO	DESCRIPTION	QUANTITY	RATE	AMOUNT
SEC 3 BILL : 2	Brought Forward			
	Finish top surfaces of concrete smooth with Class U3 Power Float Finish:			
12	Aprons to falls	m ² 23		
13	Ramps	m ²		
	Finish top surfaces of concrete smooth with Class U2 Wood Float Finish to an even non-slip surface:			
14	Surface beds to falls.	m ² 10		
	FORMWORK (CPAP WORK GROUP NO. 111)			
	Formwork Class F1 Ordinary Finish to:			
15	Edges, risers, ends and reveals not exceeding 300mm high or wide.	m		
	Formwork Class F2 Smooth Finish to:			
17	Ramps	m ²		
18	Edges, risers, ends and reveals not exceeding 300mm high or wide.	m		
	MOVEMENT JOINTS, ETC			
	Expansion joints formed with 12mm bitumen impregnated softboard fillerboard between vertical concrete surfaces:			
19	Joints not exceeding 300mm high.	m 5		
	Expansion joints formed with 12mm bitumen impregnated softboard fillerboard between vertical concrete and brick surfaces:			
20	Joints not exceeding 300mm high	m 5		
SEC 3 BILL : 2	TOTAL CARRIED FORWARD			

SECTION 3 ABLUTION BLOCK
BILL NO 2 CONCRETE, FORMWORK AND REINFORCEMENT

ITEM NO	DESCRIPTION	QUANTITY	RATE	AMOUNT
SEC 3 BILL : 2	Brought Forward			
21	REINFORCEMENT (CPAP WORK GROUP NO. 114)			
	High Yield steel bar reinforcement to structural concrete work:			
	Various diameter high yield reinforcement bars			
21	Strip footings	<u>Tonnes</u> 0.79		
23	Wire Mesh reinforcement to surface beds and apron slabs:			
	Wire mesh Ref 193			
		<u>Kg</u> 439.60		
SEC 3 BILL : 2	TOTAL CARRIED SECTION SUMMARY PAGE			

SECTION 3 ABLUTION BLOCK

BILL NO 3 WATERPROOFING

ITEM NO	DESCRIPTION	QUANTITY	RATE	AMOUNT
	SECTION 3: ABLUTION BLOCK BILL NO. 3: WATERPROOFING The Tenderer is referred to the relevant Clauses in the Standard Preambles to All Trades and to the Supplementary Preambles which are incorporated in these Bills of Quantities. DAMPPROOFING OF WALLS AND FLOORS One layer of 375 micrometre embossed black plastic waterproof sheeting to SABS 952 Type B as damp proof course:			
1	In walls.	m ² 7		
	One layer of 250 micron 'Gundle USB Green' or other approved waterproof sheeting sealed at laps with 'Gundle Pressure Sensitive Tape'			
2	Under surface beds.	m ² 20		
	Two-part polysulphide flexible joint sealants, including backing cord, bond breaker, primer, etc:			
4	12 x 12mm In expansion joints in floors, including raking out fillerboard as necessary.	m 15		
5	12 x 12mm In vertical joints, including raking out fillerboard as necessary.	m 25		
SEC 3 BILL : 3	TOTAL CARRIED TO SECTION SUMMARY PAGE			

SECTION 3 ABLUTION BLOCK

BILL NO 4 MASONRY

ITEM NO	DESCRIPTION	QUANTITY	RATE	AMOUNT
	SECTION 3: ABLUTION BLOCK BILL NO. 4: MASONRY The Tenderer is referred to the relevant Clauses in the Standard Preambles to All Trades and to the Supplementary Preambles which are incorporated in these Bills of Quantities. BRICKWORK IN FOUNDATIONS Brickwork of NFX extra hard burnt clay common foundation bricks (14MPa nominal compressive strength) in Class I mortar, reinforced with and including galvanised brick reinforcement of suitable widths built in every second course: 1 Half brick walls. m² 3 2 One brick walls. m² 10 BRICKWORK IN SUPERSTRUCTURE Brickwork of NFP clay common bricks in Class II mortar, reinforced with and including galvanised brick reinforcement of suitable widths built in every fourth course: 3 Half brick walls. m² 18 4 Half brick in beam filling. m² 2 5 One brick walls. m² 60 BRICKWORK SUNDRIES Chip off projections, fill up crevices, bag down with 1:6 cement and sand slurry and apply two coats 'ABE Brixéal' or other approved bitumen emulsion waterproofing compound: 6 On outer face of inner skin of brick walls including any additional labour required in raising wall in two separate skins and working around wire ties and/or brick reinforcing fabric. m² 65 Brickwork reinforcement: 9 155mm Wide brick reinforcement built into horizontal joints of brickwork. m 300			
SEC 3 BILL : 4	TOTAL CARRIED FORWARD			

SECTION 3 ABLUTION BLOCK

BILL NO: 4 MANSONRY

ITEM NO	DESCRIPTION	QUANTITY	RATE	AMOUNT
SEC 3 BILL : 4	Brought Forward			
	Prestressed concrete fabricated lintols as manufactured by I.D. Lintels (Pty) Ltd or other approved:			
10	110 x 75mm Lintols in lengths not exceeding 6m.	<u>m</u> 8		
	Turning pieces:			
11	220mm Wide turning piece to lintols, etc.	<u>m</u>		
	Galvanised hoop iron ties:			
12	30 x 1,6mm Roof tie 1600mm girth, with one end built into brickwork and other end wrapped around and spiked to roof timber.	<u>No.</u> 30		
	FACE BRICKWORK			
	Face brickwork sample panel, including concrete strip footing, etc, and demolishing and removing on completion of the works:			
13	Face brickwork sample panel 2000 x 1000mm high, faced and pointed on both sides and ends and finished on top with brick-on-edge header course.	<u>No.</u> 1		
	'Corobrik Montana Travertine FBS' face bricks in stretcher bond (unless otherwise stated), pointed with recessed horizontal and vertical joints:			
14	Extra over NFX hard burnt foundation brickwork for face brickwork.	<u>m²</u> 10		
15	Extra over NFP common brickwork for face brickwork internally.	<u>m²</u> 1		
16	Extra over NFP common brickwork for face brickwork externally.	<u>m²</u> 10		
17	Fair cutting and fitting facings around pipe not exceeding 100mm nominal internal diameter. (Provisional).	<u>No.</u> 8		
18	Labour and material in brick-on-edge header course lintol 220mm wide and 110mm high, pointed on one side.	<u>m</u> 10		
SEC 3 BILL : 4	TOTAL CARRIED FORWARD			

SECTION 3 ABLUTION BLOCK

BILL NO.: 4 MANSORY

ITEM NO	DESCRIPTION	QUANTITY	RATE	AMOUNT
SEC 3 BILL : 4	Brought Forward			
19	Labour and material in brick-on-edge header course lintol 220mm wide and 110mm high, pointed on soffit and both sides. m			
	WINDOW CILLS 'Everite Nutec Cement Product 031' or other approved window cills in single lengths, bedded in Class I mortar, including metal fixing lugs:			
20	15 x 120mm Cills set flat and projecting. m	3		
21	15 x 150mm Cills set flat and projecting. m	3		
SEC 3 BILL : 4	TOTAL CARRIED TO SECTION SUMMARY PAGE			

SECTION 3 ABLUTION BLOCK**BILL NO. 5: FLOOR COVERINGS, WALL LININGS, ETC**

ITEM NO	DESCRIPTION	QUANTITY	RATE	AMOUNT
	SECTION 3: ABLUTION BLOCK BILL NO. 5: FLOOR COVERINGS, WALL LININGS, ETC The Tenderer is referred to the relevant Clauses in the Standard Preambles to All Trades and to the Supplementary Preambles which are incorporated in these Bills of Quantities. FLOOR COVERINGS, WALL LININGS, ETC Screed deviations are not to exceed 5mm over 3000mm Thoroughly clean down with SANS 10183:1-4 compliant diluted natural detergent and thoroughly rinse, allow to dry and apply 3 coats water based floor dressing compliant with SABS 1042. Remove all contaminates, clean down and apply TAL screedmaster, prime with TAL Floor Primer using pump method all by TAL contractor in accordance with the manufacturer's instructions VINYL FLOOR COVERINGS 'Superflex" or other approved Sheeting Supply and fix 2.5mm thick x 1.2m wide superflex fully flexible vinyl sheeting, including all cutting, waste, and sealing with matt or gloss sealer 1 On screeded floors m² 40 POLISH, SEALERS, ETC 2 Two coats wax polish on vinyl flooring m² 70			
SEC 3 BILL : 5	TOTAL CARRIED TO SECTION SUMMARY PAGE			

SECTION 3 ABLUTION BLOCK

BILL NO. 6: ROOF COVERINGS

ITEM NO	DESCRIPTION	QUANTITY	RATE	AMOUNT															
1	SECTION 3: ABLUTION BLOCK BILL NO. 6: ROOF COVERINGS The Tenderer is referred to the relevant Clauses in the Standard Preambles to All Trades and to the Supplementary Preambles which are incorporated in these Bills of Quantities. CARPENTRY AND JOINERY <u>SUPPLEMENTARY PREAMBLES</u> Dimensions in descriptions of trusses are nominal and actual measurements are to be obtained from the Architect and/or taken on site before design or fabrication commences PREFABRICATED ROOF TRUSSES PLATE NAILED TIMBER ROOF TRUSS CONSTRUCTION The following is applicable in respect of timber rooftrusses: Trusses are at approximately 850mm centres for metal roof sheets on 50 x 75mm purlins. Ceilings are plaster board or fibre cement sheeting on softwood brandering. <table> <tr> <td>38 x 114mm Wall plates including bedding level in cement mortar</td><td>m</td><td>23</td></tr> <tr> <td>50 x 76mm Purlins</td><td>m</td><td>90</td></tr> <tr> <td>50 x 228mm Rafter</td><td>m</td><td>20</td></tr> </table> Design, manufacture and deliver on site, plate nailed roof truss double pitched trusses, with 600mm eaves overhang projecting both sides, including all bracing and cross bracing (wall plates elsewhere) <table> <tr> <td>Overall Span 5.6m</td><td>No.</td><td>14</td></tr> </table> CORRUGATED METAL SHEETING AND ACCESSORIES 10 degrees double pitch CROMADEK green IBR Roof profile sheeting on 76x50mm S.A. Pine purlins on sisalation on 152x50mm gangnail roof trusses with 30x1.2mm galvanised m.s hoop iron. Roof covering with pitch not exceeding 25 degrees. <table> <tr> <td></td><td>m²</td><td>30</td></tr> </table>	38 x 114mm Wall plates including bedding level in cement mortar	m	23	50 x 76mm Purlins	m	90	50 x 228mm Rafter	m	20	Overall Span 5.6m	No.	14		m ²	30			
38 x 114mm Wall plates including bedding level in cement mortar	m	23																	
50 x 76mm Purlins	m	90																	
50 x 228mm Rafter	m	20																	
Overall Span 5.6m	No.	14																	
	m ²	30																	
SEC 3 BILL : 6	TOTAL CARRIED FORWARD																		

SECTION 3 ABLUTION BLOCK

BILL NO. 6: ROOF COVERINGS

ITEM NO	DESCRIPTION	QUANTITY	RATE	AMOUNT
SEC 3 BILL : 6	Brought Forward			
	0,8mm Thick galvanised (275g/m2) pressed steel fittings with greenbuilt finish on one side:			
2	Ridge capping 460mm girth, with roll-top.	m 6		
	Sundries:			
3	Provisional Sum for Sundries	Item 1		
	ROOF INSULATION			
	Sisalation 420' or other approved heavy industrial grade reinforced aluminium foil insulation:			
4	Insulation laid taut over purlins (at approximately 1000mm centres) and fixed concurrent with roof covering, including plastic coated galvanised steel straining wires. (Provisional)	m ² 35		
	EAVES AND VERGES ETC			
5	12 x 225mm 'Everite Nutec medium density fibre cement' fascia boards, drilled and fixed to ends of rafters with hot-dip galvanised drive screws and washers including H-profile fascia joiners	m 12		
6	200 x 80mm 'Everite Nutec' medium density fibre cement barge boards, drilled and fixed to rails with hot-dip galvanised screws and washers, including H-profile barge joiners	m 14		
	DOORS,GATES,ETC			
7	1728x850 gates made up of 25x25x2mm main frame galvanised section with 25x25x2mm cross bracing and 69mmx13mm horizontal meranti sections	No. 2		
8	40mm Saligna framed braced battern door 813x1932mm high formed with plywood veneer for paint both sides and concealed edges and hung to pressed steel frames	No. 4		
SEC 3 BILL : 6	TOTAL CARRIED FORWARD			

SECTION 3 ABLUTION BLOCK

BILL NO 2 CONCRETE, FORMWORK AND REINFORCEMENT

ITEM NO	DESCRIPTION	QUANTITY	RATE	AMOUNT
SEC 3 BILL : 6	Brought Forward			
9	813x2032x44mm Saligna framed braced battern door with plywood veneer for painting. No. 1			
SEC 3 BILL : 6	TOTAL CARRIED TO SECTION SUMMARY PAGE			

SECTION 3 ABLUTION BLOCK

BILL NO. 7: IRONMONGERY

ITEM NO	DESCRIPTION	QUANTITY	RATE	AMOUNT
	SECTION 3: ABLUTION BLOCK BILL NO. 7: IRONMONGERY The Tenderer is referred to the relevant Clauses in the Standard Preambles to All Trades and to the Supplementary Preambles which are incorporated in these Bills of Quantities. METALWORK GALVANISED STEEL PRESSED DOOR FRAMES 1.2mm double rebated galvanised steel door frames 1 Frame for door 2032x813mm suitable for one brick wall No. <u>1</u> 2 Frame for door 813x1932 suitable for one brick wall No. <u>4</u> ALUMINIUM WINDOWS <u>Natural anodized aluminium windows, complete with subframes, ironmongery, glass, sealing, etc. and fixing to brickwork or concrete.</u> 600X600mm aluminium windows No. <u>3</u> IRONMONGERY DOORS LOCKS: 1 Solid Art 293 WC indicator bolt keep fixed to metal 38mm rubber stop No. <u>4</u> 2 2 Lever Deadlock as Union 2195-76. 38mm rubber door stop and timber weather bar screwed on wall. 25x38x25x0.8mm galvanised U-plate screwed to top of the door. No. <u>1</u>			
SEC 3 BILL : 2	TOTAL CARRIED TO SECTION SUMMARY PAGE			

SECTION 3 ABLUTION BLOCK

BILL NO. 8: CEILINGS

ITEM NO	DESCRIPTION	QUANTITY	RATE	AMOUNT
	SECTION 3: ABLUTION BLOCK BILL NO. 8: CEILING The Tenderer is referred to the relevant Clauses in the Standard Preambles to All Trades and to the Supplementary Preambles which are incorporated in these Bills of Quantities. NAILED-UP CEILINGS 6mm Thick "Everite" or other approved fibre cement ceiling boards fixed with galvanized clout nails at 150mm centres on brandering with hardwood quadrant edge trimming and half round cover strips			
1	Ceilings including 50 x 38mm sawn softwood brandering at 400mm centres in one direction	m ² 34		
2	Extra over ceiling for 600 x 600mm trap door of 32 x 44mm wrought softwood rebated framing with one cross brander, covered with ceiling board and fitted flush in opening, including necessary trimmers around	No. 3		
	'Lafarge" or other approved Coved cornices fixed with galvanised nails at 400mm centres to wall and ceiling surface			
3	75mm Coved cornices	m 40		
SEC 3 BILL : 2	TOTAL CARRIED TO SECTION SUMMARY PAGE			

SECTION 3 ABLUTION BLOCK

BILL NO. 9: PLASTERING

ITEM NO	DESCRIPTION	QUANTITY	RATE	AMOUNT
	SECTION 3: ABLUTION BLOCK BILL NO. 9: PLASTERING The Tenderer is referred to the relevant Clauses in the Standard Preambles to All Trades and to the Supplementary Preambles which are incorporated in these Bills of Quantities. GRANOLITHIC Untinted granolithic on concrete: 1 25mm Thick on floors. m² 35 2 20mm Thick on top and front edge of isolated threshold 370mm girth, with top dressed to an even non-slip surface. m 17 DIVIDING STRIPS Brass dividing strips: 3 3 x 25mm Flat bar dividing strip cut to lengths and set on edge in concrete floor between different floor finishes. m 30 INTERNAL PLASTER One coat cement plaster (1:5) on brickwork: 4 On walls. m² 110 5 On narrow widths m² 10 SCREEDS Screeds wood floated, on concrete 30mm Thick on floors m² 35			
SEC 3 BILL : 9	TOTAL CARRIED TO SECTION SUMMARY PAGE			

SECTION 3 ABLUTION BLOCK**BILL NO. 10: PAINTWORK**

ITEM NO	DESCRIPTION	QUANTITY	RATE	AMOUNT
	SECTION 3: ABLUTION BLOCK BILL NO. 10: PAINTWORK The Tenderer is referred to the relevant Clauses in the Standard Preambles to All Trades and to the Supplementary Preambles which are incorporated in these Bills of Quantities. Where brand names are given in the following items, the materials used shall be of the make and type specified, or other approved by the Director. ON PLASTER One coat 'Plascon Professional Plaster Primer' and two coats 'Plascon Wall & All' acrylic emulsion paint on: 1 Plastered walls internally. m² 110 2 Extra for finishing coats of paint which have a value of 7 or less on the Munsell System. (Provisional). m² 30 ON METAL Touch up manufacturers priming coat and apply one coat universal undercoat to SABS 681 Type II and two coats gloss enamel to SABS 630 Type 1 on steel: 3 On general metal work m² _____			
SEC 3 BILL : 10	TOTAL CARRIED TO SECTION SUMMARY PAGE			

SECTION 3 ABLUTION BLOCK

BILL NO 11: GLAZING

ITEM NO	DESCRIPTION	QUANTITY	RATE	AMOUNT
	SECTION 3: ABLUTION BLOCK BILL NO. 11: GLAZING The Tenderer is referred to the relevant Clauses in the Standard Preambles to All Trades and to the Supplementary Preambles which are incorporated in these Bills of Quantities. CLEAR GLASS The Tenderer is referred to the relevant Clauses in the Standard Preambles to All Trades and to the Supplementary Preambles which are incorporated in these Bills of Quantities 6mm Clear toughened safety glass and glazing to: 3 Steel sashes in panes not exceeding 0,1m². m²3 OBSCURE GLASS 4mm Pacific patterned obscure glass and glazing to: 4 Steel sashes in panes not exceeding 0,1m². m²3			
SEC 3 BILL : 11	TOTAL CARRIED TO SECTION SUMMARY PAGE			

SECTION 3 ABLUTION BLOCK

BILL NO.: 12 PLUMBING

ITEM NO	DESCRIPTION	QUANTITY	RATE	AMOUNT
SEC 3 BILL : 12	Brought Forward			
	"Geberit" or other approved Abalona wall-hung WC (Code: 500.261.01.1), large projection washdown WC pan, 4.5L, accessible by wheelchair, with flush rim, with Geberit Abalona WC seat ring (Code: 500.340.01.1) only bar hinge made of metal, fastening from below, Geberit Kombifix element for wall-hung WC, 109cm, with Sigma concealed cistern 8cm (Code: 110.792.00.1) with Geberit actuator plate Mambo for stop-and-go flush (Code: 115.751.00.1), screwable stainless steel and finished all round with silicone sealant. No. 1 Wash Hand Basins "Geberit" or other approved Abalona wash basin 45cm visible overflow, centred tap hole, CP waste, two fixing screws and finished all round with silicone sealant (Code: 500.324.01.1) No. 3 Urinals 1800mm Stainless Steel Urinal No. 1 SANITARY PLUMBING Unplasticized polyvinyl chloride (UPVC) pipes: 8 50mm Pipes. m 3 9 110mm Pipes. m 3 10 160mm Pipes. m 0 Extra over UPVC pipes for the following fittings: 12 50mm BSP adaptor. No. 3 13 50mm Bend. No. 3 14 50mm Access bend. No. 3 15 50mm Junction. No. 0 16 50mm Access junction. No. 2			
SEC 3 BILL : 12	TOTAL CARRIED FORWARD			

SECTION 3 ABLUTION BLOCK

BILL NO. 12: PLUMBING

ITEM NO	DESCRIPTION	QUANTITY	RATE	AMOUNT
SEC 3 BILL : 12	Brought Forward			
17	110mm Access reducing junction.	No. 2		
18	50mm One-way vent valve.	No. 1		
19	110mm Two-way vent valve.	No. 2		
	Traps, etc:			
20	38mm 'Vulcathene' bottle trap jointed to waste outlet fitting and to adaptor (elsewhere measured).	No. 6		
21	40mm 'Cobra 365-50' chromium plated bottle trap jointed to waste outlet fitting and to UPVC pipe.	No. 3		
	WATER SUPPLIES.			
	Class 460/0 copper pipes:			
22	15mm Pipes.	m 24		
23	22mm Pipes.	m 0		
	Extra over Class 460/0 copper pipes for the following copper capillary fittings:			
24	15mm Fitting.	No. 24		
24	22mm Fitting.	No. 0		
	Extra over Class 460/0 copper pipes for the following brass compression fittings:			
25	15mm Fitting.	No. 22		
	Class 460/2 copper pipes:			
27	15mm Pipes.	m 12		
28	15mm Pipes laid in ground including excavation not exceeding 1m deep.	m 0		
SEC 3 BILL : 12	TOTAL CARRIED TO SECTION SUMMARY PAGE			

SECTION 3 ABLUTION BLOCK

BILL NO.: 12 PLUMBING

ITEM NO	DESCRIPTION	QUANTITY	RATE	AMOUNT
SEC 3 BILL : 12	Brought Forward			
	Extra over Class 460/2 copper pipes for the following brass compression fittings:			
29	15mm Fittings.	No. 0		
	Taps, valves, etc:			
30	15mm 'Cobra 131' brass screw down stoptap jointed to copper pipes.	No. 4		
31	15mm 'Cobra 108' brass screw down bibtap with and including hose connection, jointed to copper pipe.	No. 2		
32	15mm 'Cobra 106 Star' chromium plated screw down bibtap with and including 15mm 'Cobra 059' chromium plated extension piece with sliding wall flange, jointed to brass connector (elsewhere measured).	No. 3		
35	22mm 'Cobra 1003/125' brass screw down wheelhead gate valve, jointed to copper pipes.	No. 3		
	TESTING			
36	Allow for testing the whole of the Sanitary Plumbing and Water Supplies to the satisfaction of the Director. All defective work shall be taken out and replaced at the Contractor's expense and the whole re-tested until found satisfactory.	Item		
	MEDIUM PRESSURE PIPELINES			
37	Supply, lay and bed pipes complete with couplings, including short lengths			
	uPVC Pipes			
38	75 mm diameter Class 12	m 0		
	HDPE pipes PE100			
39	50 mm diameter PN9	m 400		
SEC 3 BILL : 12	TOTAL CARRIED TO SECTION SUMMARY PAGE			

SECTION 3 ABLUTION BLOCK

BILL NO 12 PLUMBING

ITEM NO	DESCRIPTION	QUANTITY	RATE	AMOUNT
SEC 3 BILL : 12	Brought Forward			
42	Reducing Couplings, uPVC to HDPe 75 mm to 50 mm No. <u>1</u>			
	BEDDING			
	Provision of Bedding to Trenches			
43	Selected granular material (Fill Bracket)	m ³ <u>50</u>		
44	From borrow pits	m ³ <u>20</u>		
	FIRE EXTINGUISHERS			
	Fire extinguishers:			
46	4,5kg Dry chemical fire extinguisher, with and including wall mounting bracket, fixed to brick wall.	No. <u>2</u>		
47	Provide Provisional sum to be used for purchase of materials as directed by Engineer with prior approval by Employer	<u>Item</u>		
SEC 3 BILL : 12	TOTAL CARRIED TO SECTION SUMMARY PAGE			

SECTION 3 ABLUTION BLOCK

BILL NO.: 13 ELECTRICAL INSTALLATION

ITEM NO	DESCRIPTION	QUANTITY	RATE	AMOUNT
	Extra over Class 460/2 copper pipes for the following brass compression fittings: The Tenderer is referred to the relevant clauses in the General Electrical Specification and the Detailed Electrical Specification which are incorporated in these Bills of Quantities. ESKOM APPLICATIONS The following Net Sums have been allocated for Eskom costs pertaining to the re-routing of the existing line and the upgrading of the supply to the school. The Tenderer shall include these Sums in the Tender Price. These applications may be handled Departmentally, in which case these Sums will be omitted from the contract. Re-scheduling existing Eskom Line: 1 Allow the Net Sum of <u>R50,000.00</u> (Fifty Thousand Rand) for the appointment for the appointment of Electrical Engineer for scheduling of electrical works Item 2 Profit on above item. % <u>R 50 000</u> Upgrade existing electrical supply: 3 Allow the Net Sum of <u>R10,000.00</u> (Ten Thousand Rand) for upgrading the existing electrical supply to ablution facility. Item 4 Profit on above item. % <u>R 10 000</u>			
SEC 3 BILL : 13	TOTAL CARRIED TO SECTION SUMMARY PAGE			

SECTION 3 ABLUTION BLOCK

SECTION SUMMARY

ITEM NO	DESCRIPTION	FROM PAGE	AMOUNT
SECTION 3	ABLUTION BLOCK : SECTION SUMMARY		
BILL NO.: 1	EARTHWORKS (PROVISIONAL)		
BILL NO.: 2	CONCRETE, FORMWORK AND REINFORCEMENT		
BILL NO.: 3	WATERPROOFING		
BILL NO.: 4	MASONRY		
BILL NO.: 5	FLOOR COVERING		
BILL NO.:6	ROOF COVERINGS		
BILL NO.: 7	IRONMONGERY		
BILL NO.: 8	CEILING		
BILL NO.: 9	PLASTERING		
BILL NO.: 10	PAINTWORK		
BILL NO.11	GLAZING		
BILL NO.:12	PLUMBING AND DRAINAGE (PROVISIONAL)		
BILL NO.:13	ELECTRICAL INSTALLATION		
SEC 2	TOTAL CARRIED TO GENERAL SUMMARY		

CONSTRUCTION OF KWABHACA AUCTION PHANS PHASE 4**RETAINING WALLS, CONCRETE PAVING, STORMWATER DRAINAGE CHANNELS AND ABLUTION BLOCK****GENERAL SUMMARY**

SECTION NO	BILL NO	PAGE NO	DESCRIPTION	AMOUNT
SECTION 1	1	C20.4A	PRELIMINARIES AND GENERAL PROVISIONS	R
SUB-TOTAL : PART A : GENERAL PROVISIONS				R
SECTION 2	1 - 3	C20.14B	EXTERNALWORKS (ALLTRADES)	R
SUB-TOTAL : PART B: EXTERNAL WORKS				R
SECTION 3	1 - 13	C20.14B	ABLUTION BLOCK	R
SUB-TOTAL : PART C: ABLUTION BLOCK				R

CALCULATION OF TENDER SUM

SUBTOTAL: PART A : GENERAL PROVISIONS.....	R	_____
SUBTOTAL: PART B : EXTERNAL WORKS.....	R	_____
SUBTOTAL: PART C : ABLUTION BLOCK.....	R	_____
SUBTOTAL (1) OF SCHEDULE OF QUANTITIES.....	R	_____
CONTINGENCIES		
The sum provided here is under the sole control of the Engineer and may be deducted in whole or in part. (The Tenderer must add 5% of Subtotal (1)).....		
	R	_____
CONTRACT PRICE ADJUSTMENT		
Sum provided in terms of the provisions of the General Conditions of Contract <u>(Not Applicable to This Contract)</u>		
	R	_____
SUBTOTAL (2) OF SCHEDULE OF QUANTITIES.....	R	_____
VALUE-ADDED TAX (VAT)		
The tenderer shall add 15% of subtotal (1) for VAT		
	R	_____
TENDER SUM CARRIED TO FORM OF TENDER	R	