

ITEM NO	DESCRIPTION	UNIT
	<u>SECTION 1 - PRELIMINARIES & GENERAL</u>	
	<u>BILL No.1 - PRELIMINARIES & GENERAL</u>	
	SUMMARY OF CATEGORIES	
2	Category : Fixed R.....	Item
3	Category : Value R.....	Item
4	Category : Time R.....	Item

	<u>SECTION 2 - BUILDING WORKS</u>	
	<u>BILL No.1 - DEMOLITIONS AND MOBILE RELOCATIONS</u>	
	<u>TEMPORARY BARRICADES, SCREENS, ETC</u>	
	<u>Temporary barricades, screens, roofs, etc including removal</u>	
1	Temporary hoarding and diamond mesh covered with shade cloth 2700mm high (to be removed after construction).	m
2	Extra over for double gate and frame 2500 x 2100mm high	No
	<u>REMOVAL FROM ONE SITE AND RE-INSTALLATION OF EXISTING TEMPORARY CLASSROOMS TO NEW POSITION ON SEPARATE SITE (SAKHILE SCHOOL)</u>	
3	Mobilisation, supervision and statutory compliance	Item
4	Condition survey, coding, diagrams and registers 13 relocated blocks	Item
5	Dismantling of prefabricated structures	m2
6	Protective packing and loading	m2
7	Super link transportation - 10KM (PLEASE NOTE THE UNIT OF MEASURE IS PER TRUCK LOAD)	TrkLd
8	Mobile crane and lifting equipment (Contractor to quantify)	Item
9	Offloading and controlled laydown (PLEASE NOTE THE UNIT OF MEASURE IS PER TRUCK LOAD)	TrkLd
10	Reassembly and weatherproof building envelope	m2
11	Waste removal and lawful disposal (Contractor to quantify)	Item
	<u>TEMPORARY STRUCTURES</u>	H3
1	Administration block including partitions to form 3 offices overall size 8.2 x 6.8m	No
2	Classroom unit size approximately 8.2m long x 6.8m wide complete with Aluminium windows with burglar bars, glazed with 6.3mmm safety glass, Chromadek Door, 38 mm doorstop, 5 lever lockset, 2mm vinyl floor tiles,"vitrex "writing boards, pinning boards, steel teachers cupboards, Fire extinguisher, electrical installation , 1.5m Verandah including steps with handrail	No

	Classroom unit block comprising three class rooms each classroom to be size approximately 8.2m long x 6.8m wide complete with Aluminium windows with burglar bars, glazed with 6.3mmm safety glass, Chromadek Door, 38 mm doorstop, 5 lever lockset, 2mm vinyl floor tiles,"vitrex "writing boards, pinning boards, steel teachers cupboards, Fire extinguisher, electrical installation , 1.5m Verandah including steps with handrail	No
3		
4	Multi- purpose classroom including all internal partitioning 12m x 6.8m	No
5	Kitchen including partitions with 3 storage rooms overall size 7.06 x 8.14m Ablution block overall size 13.6m x 3m including all sanitary ware ,toilet roll holders , towel rails and mirror above wash hand basins including concrete work as depicted on the drawing 0010	No
6	<u>SUPPLY & DELIVERY</u>	H4
7	Transport from factory to delivery site for item Administration unit above.	No
8	Transport from factory to delivery site for item Classroom unit above.	No
9	Transport from factory to delivery site for item Three Classroom Block unit above.	No
1	Transport from factory to delivery site for item Multi-purpose classroom unit above.	No
2	Transport from factory to delivery site for item Kitchen including partitioning unit above.	No
3	Transport from factory to delivery site for item Ablution Block unit above.	No
<u>SECTION 2 - BUILDING WORKS</u>		
<u>BILL No.2 : FLOOR COVERINGS, WALL LININGS, ETC</u>		
<u>VINYL FLOOR COVERINGS, WALL LININGS, ETC.</u>		
<u>Semi-Flexible Vinyl Floor Tiles Size 300 x 300 x 2mm Thick Of Specified Colour Laid With Adhesive To Pattern</u>		
1	On floors.	m2
	<u>DIVIDING STRIPS, ETC</u>	H4
2	9 x 30mm Aluminium dividing strips to detail between different floor finishes <u>6mm Walk Off/Loose Matt Tufted Level Loop Pile Made Fromm 100% BFC Stain Shield Fibres With Over Locked Edges</u>	m
3	Loose carpet size 2800 x 2800mm POLISH, SEALERS, ETC <u>Two coats wax polish.</u>	No
4	Clean down with one coat water based floor stripper and apply two coats sealer and two coats wax polish on vinyl flooring.	m2
<u>CARPENTRY & JOINERY</u>		
5	Shutter Boards Fixed to Chasis 18mm treated shutter board	m2

	<u>SECTION 2 - BUILDING WORKS - SUMMARY</u>	
	Bill No.1 : Demolitions and Relocations	Page
	Bill No.2 : Floor Coverings	Page
	<u>SECTION 3 - EXTERNAL WORKS</u>	
	<u>BILL No. 1 - SITE EXCAVATIONS</u>	
	EARTHWORKS(CPAP Work Group No. 104 Unless Otherwise Stated)	
	<u>Site Clearance</u>	
1	Allow for clearing the site of all shrubs and trees not exceeding 200mm girth, rubbish, debris, vegetation, drains, etc, that may be encountered and roughly level site.	m2
	<u>Excavations, Filling, Etc</u>	
2	Excavate in earth to open face over site to reduce levels.	m3
3	Extra over bulk excavations in earth for excavation in soft rock.	m3
1	Ditto, but in hard rock.	m3
2	Allow for keeping excavations free from water.	Item
3	Extra over all excavations for carting away from the excavations and spreading on site all surplus excavated material.	m3
4	Earth filling supplied G5 Material by the Contractor, compacted to 93% Mod AASHTO density.	m3
5	Earth filling supplied G6 Material by the Contractor, compacted to 93% Mod AASHTO density.	m3
6	Earth filling supplied G7 Material by the Contractor, compacted to 93% Mod AASHTO density.	m3
7	Scarify, mix and consolidate top 150mm of subgrade to 90% modified AASHTO density.	m2
	<u>Testing</u>	
8	Provide and have filling compaction check tested by a Consulting Engineer's Laboratory and deliver the results to the Architect within 24 hours of the tests being completed.	No
	<u>SECTION 3 - EXTERNAL WORKS</u>	
	<u>BILL No.2 - WALKWAYS, ETC</u>	
	EARTHWORKS(CPAP Work Group No. 104 Unless Otherwise Stated)	
	<u>Excavations, Filling, Etc</u>	
1	Excavate in earth to open face over site to reduce levels.	m3
2	Extra over bulk excavations in earth for excavation in soft rock.	m3
3	Ditto, but in hard rock.	m3
1	Allow for keeping excavations free from water.	Item

2	Extra over all excavations for carting away from the excavations and spreading on site all surplus excavated material.	m3
3	Earth filling supplied G5 Material by the Contractor, compacted to 93% Mod AASHTO density.	m3
4	G7 gravel material, selected and supplied by the Contractor, deposited, watered and consolidated to 96% modified AASHTO density in 500mm thick sub-base course under roads.	m3
5	Clean, dry, sand filling, selected and supplied by the Contractor, deposited in layers not exceeding 150mm thick, watered and consolidated to 95% modified AASHTO density under pavings.	m3
6	Scarify, mix and consolidate top 150mm of subgrade to 90% modified AASHTO density.	m2
7	Tricate weed killer in proportion 168kg to 1124 litres of water per hectare plus Agrol 90 sprayed onto surfaces of ground under floors, etc.	m2
	BRICK AND BLOCK PAVING	H3
	<u>Precast Cement Concrete (25MPa) Interlocking Paving Bricks Size 200 x 100 x 60mm Thick Laid On And Including 25mm Thick Sand Bed With Joints Filled With Sand</u>	
8	Paving to patterns as architects design and to falls and cross falls.	m2
9	Fair circular cutting.	m
	<u>WATERPROOFING(CPAP Work Group No. 120 Unless Otherwise Stated)</u>	
	<u>One Layer 250 Micron Waterproof Sheetting</u>	
10	On compacted earth under paving bricks.	m2
	 <u>SECTION 3 - EXTERNAL WORKS</u>	
	<u>BILL No.3 - ASSEMBLY SLABS, ETC</u>	
	<u>EARTHWORKS(CPAP Work Group No. 104 Unless Otherwise Stated)</u>	
	<u>Excavations, Filling, Etc</u>	
1	G7 gravel material, selected and supplied by the Contractor, deposited, watered and consolidated to 96% modified AASHTO density in 500mm thick sub-base course under roads.	m3
2	Earth filling supplied G5 Material by the Contractor, compacted to 93% Mod AASHTO density.	m3
1	Scarify, mix and consolidate top 150mm of subgrade to 90% modified AASHTO density.	m2
2	Tricate weed killer in proportion 168kg to 1124 litres of water per hectare plus Agrol 90 sprayed onto surfaces of ground under floors, etc.	m2
	BRICK AND BLOCK PAVING	
	<u>Precast Cement Concrete (25MPa) Interlocking Paving Bricks Size 200 x 100 x 60mm Thick Laid On And Including 25mm Thick Sand Bed With Joints Filled With Sand (Paving Bricks supplied from elsewhere)</u>	
3	Paving to patterns as architects design and to falls and cross falls.	m2
4	Fair circular cutting.	m

	<u>Precast Cement Concrete (25MPa) Interlocking Paving Bricks Size 600 x 600 x 60mm Thick Laid On And Including 25mm Thick Sand Bed With Joints Filled With Sand (Paving Bricks supplied from elsewhere)</u>	
5	Paving to patterns as architects design and to falls and cross falls.	m2
6	Fair circular cutting.	m
	WATERPROOFING(CPAP Work Group No. 120 Unless Otherwise Stated)	
	<u>One Layer 250 Micron Waterproof Sheetting</u>	
7	Under assembly area.	m2
	<u>SECTION 3 - EXTERNAL WORKS</u>	
	<u>BILL No.4 - ROADS, PARKING, Etc</u>	
	<u>EARTHWORKS(CPAP Work Group No. 104 Unless Otherwise Stated)</u>	
	<u>Excavations, Filling, Etc</u>	
	G7 gravel material, selected and supplied by the Contractor, deposited, watered and consolidated to 96% modified AASHTO density in 500mm thick sub-base course under roads.	
1		m3
	G2 gravel material stabilized with 3% cement, selected and supplied by the Contractor, deposited, watered and consolidated to 98% modified AASHTO density in 150mm thick sub-base course under roads.	
2		m3
	Scarify, mix and consolidate top 150mm of subgrade to 90% modified AASHTO density.	
3		m2
	Tricate weed killer in proportion 168kg to 1124 litres of water per hectare plus Agrol 90 sprayed onto surfaces of ground under floors, etc.	
4		m2
	<u>TESTING</u>	
	Provide and have filling compaction check tested by a Consulting Engineer's Laboratory and deliver the results to the Consultant within 24 hours of the tests being completed.	
1		No
	<u>CONCRETE</u>	
	<u>Reinforced Cement Concrete (30MPa) In</u>	
2	Surface bed slabs	m3
	<u>Rough Formwork To</u>	
3	Edges, risers, ends and reveals not exceeding 300mm high or wide.	m
	<u>REINFORCEMENT (CPAP Work Group No. 114 Unless Otherwise Stated)</u>	
	<u>Fabric Reinforcement To Concrete Work</u>	
4	High tensile steel mesh Ref. 617 to concrete surface beds, slabs, etc.	m2
	<u>PRECAST CONCRETE(CPAP Work Group No. 112 Unless Otherwise Stated)</u>	
	<u>Precast Cement Concrete (20MPa) Kerbs And Channels Finished Smooth From The Mould On Exposed Surfaces And Including Excavation, Backfilling, Etc</u>	
	Fig. 6 kerb size 125 x 230mm high overall, laid in lengths not exceeding 1000mm on a well rammed earth bottom or base course, bedded on a 45mm thick x 300mm wide layer of 3.1 cement mortar with 100 x 100 x 200mm long triangular haunching behind kerb at all joints and jointed in 3.1 cement mortar.	
5		m

	BRICK AND BLOCK PAVING	
	<u>Coloured Precast Cement Concrete (25MPa) Interlocking Paving Bricks Size 200 x 100 x 80mm Thick Laid On And Including 25mm Thick Sand Bed With Joints Filled With Sand</u>	
1	Paving to patterns as architects design and to falls and cross falls.	m2
	WATERPROOFING(CPAP Work Group No. 120 Unless Otherwise Stated)	
	<u>One Layer 250 Micron Waterproof Sheeting With Staggered Joints</u>	
2	On compacted earth under paving bricks.	m2
	PAINTWORK(CPAP Work Group No. 152 Unless Otherwise Stated)	
	<u>Prepare And Apply One Coat Road Marking Paint</u>	
3	Line 100mm wide on brick paving.	m
4	Disable marking paint.	No
	 SECTION 3 - EXTERNAL WORKS	
	<u>BILL No. 5 - WATER SUPPLY, WATER TANKS AND STANDS</u>	
	WATER SUPPLY PIPES	
	<u>HDPE Class 6 Water pipes</u>	
1	40mm Pipes laid in and including trenches not exceeding 1000mm deep.	m
	<u>Extra Over HDPE Pipes For "Plascon" Or Other Approved Fittings</u>	
2	40mm End cap.	No
3	40mm Male adaptor.	No
4	40mm Female adaptor.	No
5	40mm Bend.	No
6	40mm Tee.	No
1	40mm Reducing tee.	No
2	22mm Straight reducer.	No
3	40mm Isolation valve.	No
4	Concrete (Class C) thrust block (approximately 0,05 cubic metres) at bends, tees, etc., including casing.	No
5	Imported Sabunga filling as backfill to pipe trenches and compact to 93% modified AASHTO.	m3
	<u>Sundries</u>	
6	200 x 200mm Thrust block.	No
	 SECTION 3 - EXTERNAL WORKS	
	BILL No. 6 - SEWER DRAINAGE	
	<u>Class 34 uPVC Pipes Laid In Ground In And Including Excavation For Trenches, Risk Of Collapse, Bedding, Backfilling, Etc</u>	
1	160mm Pipe and excavation not exceeding 1000mm deep.	m
2	160mm Pipe and excavation exceeding 1000mm and not exceeding 2000mm deep.	m
	<u>Extra For</u>	
3	160mm Junction.	No

4	160mm Bend.	No
	<u>1000mm Diameter Precast Manhole</u>	
5	Manhole 1500mm deep comprising of 600mm diameter 25MPa benching and base slab, precast concrete rings, circular light duty frame and cover	No
6	Ditto, but 2000mm deep.	No
7	Ditto, but 2500mm deep.	No
8	Ditto, but 3000mm deep.	No
9	Ditto, but 3500mm deep.	No
	GRID INLETS AND FLOORDRAINS	
1	Allow the amount of R 30 000,00 grid inlets in concrete slabs	Item
2	ROFLO-RO 200V NW100 or Herbish approve square top for 100mm floor drain installed in concrete slab including jointing to sewer piping	No
	<u>Sundries</u>	
3	Rodding eye with removable cover jointed to 160mm PVC pipe and set in and including unreinforced concrete (5MPa/19mm) surround with exposed surfaces trowelled smooth.	No
	<u>SECTION 3 - EXTERNAL WORKS</u>	
	<u>BILL No. 7 - STORM WATER DRAINAGE</u>	
	STORMWATER DRAINAGE	
1	1000mm Wide x 200mm thick V-shaped concrete (25MPa) open surface water channel laid to falls in lengths not exceeding 2000mm on a well rammed earth bottom including excavation, formwork, damp proof membrane, reinforcement, construction joints, ramming and depositing and levelling spoil on site where directed.	m
2	Extra for angles, intersections, ends, dressing into sides of catchpits, etc.	No
	<u>SECTION 3 - EXTERNAL WORKS - SUMMARY</u>	
	Bill No.1 : Site Works	Page
	Bill No.2 : Walkways, Etc.	Page
	Bill No.3 : Assembly Area	Page
	Bill No.4 : Roads, Parking, Etc	Page
	Bill No.5 : Water Supply	Page
	Bill No.6 : Sewer Drainage	Page
	Bill No.7 : Stormwater Drainage, Etc	Page
	<u>SECTION 4 - PROVISIONAL SUMS</u>	
	<u>BILL No. 1 - PROVISIONAL SUMS</u>	
	REPLACEMENT COMPONENTS	
	Provide the sum of R1 900 000.00 for Repairs and replacement components 1.	
1	Chasis 2. Roof & Insulation 3. Wall Panels including paint	Item
2	Allow for profit	%
3	Allow for general attendance	%

	RELOCATION OF MASONRY AND PRECAST MATERIAL	
4	Provide the sum of R450 000.00 for the relocation and installation of paver and pre-cast concrete channels	Item
5	Allow for profit	%
6	Allow for general attendance	%
	REHABILITATION	
7	Provide the sum of R1 000 000.00.00 for Rehabilitation of existing site including making good.	Item
8	Allow for profit	%
9	Allow for general attendance	%
	FURNITURE	
10	Provide the sum of R1 300 000.00 for Furniture including chalkboards and pinning boards	Item
11	Allow for profit	%
12	Allow for general attendance	%
	WATER TANKS	
1	Provide the sum of R300 000.00 for Water Tanks & Stands and Drinking Fountains	Item
2	Allow for profit	%
3	Allow for general attendance	%
	CLO	
4	Provide the sum of R68 000.00 for Community Liaison Officer (CLO) - (R8 500.00 per month)	Item
5	Allow for profit	%
6	Allow for general attendance	%
	PSC COMMITTEE	H2
7	Provide the sum of R30 000.00 for Project Steering Committee (PSC) - (PSC to consist of 5 member - R750.00 per member per month)	Item
8	Allow for profit	%
9	Allow for general attendance	%
1	SECTION 1 : PRELIMINARIES & GENERAL	Page
2	SECTION 2 : BUILDING WORKS	Page
3	SECTION 3 : EXTERNAL WORKS (PROVISIONAL)	Page
4	SECTION 4 : PROVISIONAL SUMS	Page
	TOTAL OF WORKS :	ST
	MONETARY PROVISIONS	
	<u>The Following Monetary Provisions Have Been Made In The Contract And Must Be Omitted From The Contract Sum At The Start Of The Contract And Used As Directed Below PLEASE NOTE :- These Are Monetary Provisions Only And The Use, Value And Payment Thereof Are Subject To Adjustment Based On Actual Costs Through Contractually Approved Variation Orders</u>	

Provide the Sum of R1 500 000.00 for Contingencies, to be adjusted, used and paid as instructed and approved by the Client in terms of the JBCC Principal Building Agreement	Item
TOTAL OF WORKS INCLUDING MONETARY PROVISIONS :	
CSDG BUDGETARY ALLOWANCES	
Allow 0.5% for Contract Skill Development Goal (CSDG)	%
TOTAL BUILDING WORKS INCLUDING CONTINGENCIES & CSDG	
Add VAT at the rate of 15%	%
TOTAL CARRIED TO FORM OF OFFER & ACCEPTANCE	

QUANTITY	RATE	AMOUNT	TOTALS
1,00		R -	
1,00		R -	
1,00		R -	
			R -
700		R -	
3		R -	
		R -	
1,00		R -	
1,00		R -	
1786		R -	
1786		R -	
13		R -	
1,00		R -	
13		R -	
1786		R -	
1,00		R -	
		R -	
1		R -	
1		R -	

47		R	-
50		R	-
8918	R	-	
	R	-	
2675	R	-	
265	R	-	
530	R	-	
1,00	R	-	
2675	R	-	
3257	R	-	
1054	R	-	
870	R	-	
8676	R	-	
	R	-	
80	R	-	
235	R	-	
25	R	-	
50	R	-	
1,00	R	-	

235	R	-
235	R	-
470	R	-
39	R	-
820	R	-
820	R	-
	R	-
820	R	-
800	R	-
820	R	-
385	R	-
385	R	-
2571	R	-
2571	R	-
2106	R	-
300	R	-

465	R	-
150	R	-
2571	R	-
225	R	-
410	R	-
1425	R	-
750	R	-
12	R	-
25	R	-
36	R	-
171	R	-
177	R	-

	750	R	-
	750	R	-
	80	R	-
	1	R	-
	398	R	-
	6	R	-
	12	R	-
	14	R	-
	12	R	-
	9	R	-
	8	R	-
	2	R	-
	3	R	-
	1	R	-
	250	R	-
	15	R	-
	158	R	-
	398	R	-
	19	R	-

29		R	-	
4		R	-	
3		R	-	
3		R	-	
3		R	-	
4		R	-	
1,00		R	-	
1		R	-	
13		R	-	
489		R	-	
22		R	-	
56				R -
60				R -
64				R -
69				R -
73				R -
76				R -
79				R -
1,00	R 1 900 000,00	R 1 900 000,00		
1,00		R	-	
1,00		R	-	

	1,00	R 450 000,00	R 450 000,00	
	1,00		R -	
	1,00		R -	
	1,00	R 1 000 000,00	R 1 000 000,00	
	1,00		R -	
	1,00		R -	
	1,00	R 1 300 000,00	R 1 300 000,00	
	1,00		R -	
	1,00		R -	
	1,00	R 300 000,00	R 300 000,00	
	1,00		R -	
	1,00		R -	
	1,00	R 68 000,00	R 68 000,00	
	1,00		R -	
	1,00		R -	
	1,00	R 30 000,00	R 30 000,00	
	1,00		R -	
	1,00		R -	R 5 048 000,00
	39		R -	
	51		R -	
	80		R -	
	83			R 5 048 000,00
		Sub Total		R 5 048 000,00

1,00	R 1 500 000,00	R 1 500 000,00 Sub Total	R 1 500 000,00 R 6 548 000,00
1,00	0,50%	R 6 548 000,00 Sub Total	R 32 740,00 R 6 580 740,00
1,00	15,00%	R 6 580 740,00	R 987 111,00 R 7 600 591,00