	DESCRIPTION	UNIT	QUANTITY		
	ISIHLANGWINI PRIMARY SCHOOL				
	SECTION 1				
	PRELIMINARIES				
	BILL NO. 1				
	PRELIMINARIES				
	Execution (A15-A23)				
1	Contractors Site Representatives , Site Camp, Management of Works, Compliance with Occupational Health and Safety Act and Construction Regulations, Insurances and construction guarantees, Execution of Works, Adherance to EPWP Programme requirements including Local Community Sub-contractor & Labour Engagament & Management, Temporary Works, Services & Plant and Equipment and Security of Works	Item	1		
2	Without limiting the generality of the provisions of clause 7.0 the contractor's attention is drawn to the provisions of the Construction Regulations, 2003 issued in terms of the Occupational Health and Safety Act, 1993. It is specifically stated that the employer shall prepare a documented health and safety specification for the works and that the employer shall ensure that the contractor has made provision for the cost of health and safety measures during the execution of the works. The contractor shall price opposite this item for compliance with the act and the regulations and the reasonable provisions of the afore mentioned health and safety specification	Item	1		
	Carried to Final Summary				

	SECTION 2				
	BILL NO 1				
	ALTERATIONS (Provisional)				
1	Pump out water from ablution septic tanks	m3	16		
2	Remove carbolinium, paint & mortar from external face bricks by means of high pressure water blasting or scrubbing with sugar soap, mortar lift or other such method.	m2	262		
3	Remove carbolinium, paint & mortar from concrete walkways by means of high pressure water blasting or scrubbing with sugar soap, mortar lift or other such method.	m2	58		
4	Remove existing glass panels from steel windows, fixed with putty and prepare to receive new glass (measured elsewhere)	m2	7		
5	Remove temporary fence	m	92		
6	Break out and remove face brick window sills and prepare to receive new (elsewhere measured)	m	14		
7	Take off and remove from existing roof structure damaged fibre cement fascias and prepare to receive new.	m	8		
8	Take out and remove existing timber frame and timber single door from walls, secure existing frame to wall and hang existing door	no	1		
9	Take out & remove door ironmongery to receive new (measured elsewhere)	no	6		
10	Service all indicator locks	no	14		
	Carried Forward to Summary of Section No. 2				

	BILL NO 2				
	PRECAST CONCRETE				
1	1800 x 825 x 200mm Thick duct cover slabs, closely butted at ends, including bedding edges along all sides, including 2 x 100 U-shaped lifting rings and Y10 reinforcement at 150mm c/c in both directions.	No	1		
	"Precast concrete finished smooth on exposed surfaces including bedding, jointing and pointing"				
2	Precast gully, overall size 430 x 440mm, bedded and jointed in Class II mortar and pointed on all exposed faces.	No	5		
	Carried Forward to Summary of Section No. 2				

	BILL NO 3				
	MASONRY				
	BRICKWORK				
	Brickwork of NFP bricks in cement mortar				
1	One brick walls	m2	3		
	BRICKWORK SUNDRIES				
	Brickwork reinforcement (Provisional)				
2	150mm Wide reinforcement built in horizontally	m	9		
	FACE BRICKWORK				
	Face bricks, bricks delivered to site with pointed recessed horizontal and vertical joints				
3	Extra over brickwork for external face brickwork	m2	3		
4	Extra over brickwork for face brickwork in beamfilling	m2	1		
	FACE BRICKWORK				
	Brick-on-edge header course copings, sills, etc of face brickwork delivered to site pointed with ruled flush joints on all exposed faces				
5	200mm Wide sill set sloping and slightly projecting	m	14		
	Carried Forward to Summary of Section No. 2				

	BILL NO 4				
	WATERPROOFING				
	JOINT SEALANTS, ETC				
	Thioflex 600 polysulphide sealing compound, including bond breaker, backing cord, primer, etc. and raking out of joint filler as necessary				
1	12mm x 12mm Deep vertical expansion joints (Provisional).	m	121		
	Secomastic non-hardening waterproof compound in pointing all round frames at junctions with brickwork or concrete and leave perfectly watertight				
2	Steel door or window frames.	m	83		
	Carried Forward to Summary of Section No. 2				

	BILL NO 5				
	ROOF COVERINGS, ETC				
	Sundries				
1	Extra over roof sheeting for fixing every crown at eaves	m	27		
2	Extra over roof sheeting for fixing every crown at ridge	m	27		
	Carried Forward to Summary of Section No. 2				

	BILL NO 6				
	CARPENTRY AND JOINERY				
	ROOFS, ETC.				
	Sawn softwood				
1	50 x 76mm Trimmers	m	95		
	Sundries				
2	Two coats creosote on sawn timbers	m2	21		
3	Teco two way hurricane clips	No	116		
	EAVES, VERGES, ETC				
	Nutec fibre-cement, with plain finish				
4	15 x 225mm Fascias, including galvanised steel H-profile jointing strips	m	8		
	Carried Forward to Summary of Section No. 2				

	BILL NO 7				
	IRONMONGERY				
	LOCKS & HANDLES				
	"Assa Abloy" or simmilar approved				
1	AL6C45-05AS/L-22315-76SS/2 x 18sc ""Ceder"" Cylinder lock set with striking plate fixed to metal.	No	6		
2	37651RH Indicator bolt with keep fixed to metal.	No	1		
3	300mm 'ASSA ABLOY' pull handle flange (Code: AL5515-300FLAS).	No	2		
	PUSH PLATES AND KICKING PLATES				
	"Assa Abloy" or simmilar approved				
4	300 x 900 x 1.6mm Kick plate.	No	1		
	LETTERS, NAMEPLATES, ETC				
	"Assa Abloy" or simmilar approved				
5	AL 5022-E10 anodised aluminium signage plate with male symbol.	No	1		
6	AL 5022-E11 anodised aluminium signage plate with female symbol.	No	1		
7	AL 5066-06ASE14 anodised aluminium signage plate (Paraplegic).	No	1		
	BATHROOM FITTINGS				
	"Chairman Industries" or simmilar approved				
8	32mm Type "SR2" stainless steel wall mounted back grab rail plugged and screwed.	No	1		
9	32mm Type "DL2" stainless steel wall mounted side grab rail plugged and screwed.	No	1		
	"FRANKE Chronos" or simmilar approved				
10	CHRH 401 mirror, size 300 x 300mm high plugged and screwed.	No	12		
	SUNDRIES				
	"Assa Abloy" or simmilar approved				
11	87001SS Floor mounted door stop, plugged.	No	6		
	Carried Forward to Summary of Section No. 2				

	BILL NO 8				
	METALWORK				
	WELDED HOT DIPPED GALVANISED SCREENS, GATES, ETC..				
	Welded screens, gates and frames				
1	Square hollow section framing of 45 x 45 x 3mm stiles and top rail, for single gate size 840 x 2170mm high, including mitred intersection and four 25 x 3 x 200mm long flat section lugs, etc. as per detail on drawing NC19/03-3R1E-002/003-Rev0	No	1		
2	Single gate 840 x 2170mm high of 60 x 40 x 2mm hollow section frame, two 25 x 25 x 6mm hollow section intermediate rails and filled in with 6mm diameter vertical bars at maximum 110mm centres, with three 25mm diameter x 80mm long pin hinges with 35 x 35 x 8mm flat bar brackets and Union "MG47" 47mm padlock, etc. as per detail on drawing NC19/03-3R1E-002/003-Rev0	No	1		
	Carried Forward to Summary of Section No. 2				

	BILL NO 9				
	POLYURETHANE RESIN				
	Prime surface with one coat "Flowprime 102" and broadspread 1.1mm silica sand into wet primer until refusal, apply one 6mm thick coat "Flowfresh HF" heavy duty mortar, all in accordance with manufacturers instructions and applied by an approved applicator.				
1	On Floors.	m2	95		
	Carried Forward to Summary of Section No. 2				

	BILL NO 10				
	PLUMBING AND DRAINAGE (PROVISIONAL)				
	RAINWATER DISPOSAL				
	Seamless mild steel Ogee gutters with backed enamel finish fixed to suppliers specification, with 100 x 75mm fluted mild steel downpipes with baked enamel finish fixed as per suppliers detail. Bracket min. 450mm centres				
1	Gutter bracket min. 450mm centres	no	30		
	SOIL DRAINAGE				
	uPVC gulleys				
2	100mm Dished gulley not exceeding 1000mm deep.	No	5		
	Carried Forward to Summary of Section No. 2				

	BILL NO 11				
	GLAZING				
	GLAZING TO STEEL WITH PUTTY				
	6.38m Obscure Laminated glass				
1	Panes not exceeding 0,1m².	m2	7		
	Carried Forward to Summary of Section No. 2				

	BILL NO 12				
	PAINTWORK				
	PAINTWORK ETC TO NEW WORK				
	ON PLASTER				
	Wash down walls and apply two coats "Plascon Wall and All" paint				
1	On walls	m2	378		
	ON WOOD				
	Lightly sand down and apply one coat "Plascon Velvaglo Polyurethane Velvet Enamel (VLO)" paint				
2	On doors.	m2	68		
3	On door frames, etc.	m2	2		
	PAINTWORK ETC TO NEW WORK				
	ON PVC				
	Lightly sand surface and apply one coat "Merit Universal Undercoat (UC1) and two coats "Super Universal Enamel" paint				
4	On vent pipes not exceeding 100mm diameter (Black)	m	60		
	ON PUTTY				
	One coat "Merit Universal Undercoat (UC1) and two coats "Super Universal Enamel" paint				
5	On windows	m2	7		
	Carried Forward to Summary of Section No. 2				

	SECTION SUMMARY - ISIHLANGWINI PRIMARY SCHOOL				
1	Alterations				
2	Pre-cast Concrete				
3	Masonry				
4	Waterproofing				
5	Roof Coverings				
6	Carpentry & Joinary (Provisional)				
7	Ironmongery				
8	Metalwork				
9	Plastering (Provisional)				
10	Plumbing & Drainage (Provisional)				
11	Glazing				
12	Paintwork				
	Carried to Final Summary				

	SECTION 3					
	SITE WORKS					
	BILL NO 1					
	GENERAL SITEWORKS					
	DEMOLITIONS					
	Carefully demolish and remove existing, including necessary excavations, filling, compaction, roughly levelling ground surface, cutting through, etc. (where applicable), as well as cutting through, blocking off, disconnecting, etc. of services.					
1	Single storey building with mono-pitched roof, 1.15 x 2.3m on plan and 2,50m high at eaves comprising concrete surface bed, block external walls and corrugated sheet metal roof covering on timber trusses, sanitary fittings, complete with foundations, windows, doors, fixed fittings, etc., including backfilling and compacting pit size, 1.15 x 2.3 x 2m deep, in layers not exceeding 300mm thick	No	1			
2	Single storey building with mono-pitched roof, 1.55 x 3.5m on plan and 2,50m high at eaves comprising concrete surface bed, block external walls and corrugated sheet metal roof covering on timber trusses, sanitary fittings, complete with foundations, windows, doors, fixed fittings, etc., including backfilling and compacting pit size, 1.55 x 3.5 x 2m deep, in layers not exceeding 300mm thick	No	1			
3	Single storey building with mono-pitched roof, 5.3 x 6.3m on plan and 2,50m high at eaves comprising concrete surface bed, block external walls and corrugated sheet metal roof covering on timber trusses, sanitary fittings, complete with foundations, windows, doors, fixed fittings, etc., including backfilling and compacting pit size, 5,40 x 3.5 x 2m deep, in layers not exceeding 300mm thick	No	1			
4	Single storey building with mono-pitched roof, 2.15 x 3.3m on plan and 2,50m high at eaves comprising concrete surface bed, block external walls and corrugated sheet metal roof covering on timber trusses, sanitary fittings, complete with foundations, windows, doors, fixed fittings, etc., including backfilling and compacting pit size, 2,15 x 3,3 x 2m deep, in layers not exceeding 300mm thick	No	1			
	GENERAL SITEWORKS					
	Site clearance					
5	Digging up and removing rubbish, debris, vegetation, hedges, shrubs and trees not exceeding 200mm girth, bush, etc.	m2	391			
	Earth filling obtained from the excavations and/or prescribed stock piles on site compacted to 93% Mod AASHTO density					
6	Over site to form platforms	m3	50			
	Moving or placing material from excavations in various positions on site as indicated					
7	Boulders	m3	10			
	Carting away					
8	Builders rubble and surplus material from excavations and/or stock piles on site to a dumping site to be located by the contractor.	m3	126			
	WALKWAYS, APRONS, STEPS, ETC					
	Excavation in soft material not exceeding 2m deep					
9	To reduce levels under walkway, aprons, etc.	m3	9			
	Compaction of surfaces					
10	Compaction of ground surface under aprons, etc., including scarifying for a depth of 150mm, breaking down oversize material, adding suitable material where necessary and compacting to 90% Mod AASHTO density.	m2	63			
	Approved gravel filling (G7) supplied and carted on by the contractor, compacted in layers not exceeding 150mm thick to 93% Mod AASHTO density					
11	Under walkways, aprons, etc.	m3	9			
	Extra over all excavations for carting away					
12	Surplus material from excavations and/or stock piles on site to a dumping site to be located by the contractor.	m3	9			

	Carried over to next page				
	Brought forward from previous page				
	Concrete class 20/19				
13	Walkways, aprons, steps, etc.	m3	6		
	Finishing top surfaces of concrete smooth with a wood float to class U2 finish				
14	Walkways, aprons, etc. to falls.	m2	63		
	Smooth formwork, class F2, to:				
15	Edges, risers, etc. not exceeding 300mm high or wide.	m	28		
	Expansion joints with bitumen impregnated softboard between vertical concrete or brick surfaces				
16	12mm Joints, not exceeding 300mm high.	m	105		
	Fabric reinforcement				
17	Type 193 fabric reinforcement in concrete surface beds, slabs, etc.	m2	63		
	PAVING				
	Excavation in earth not exceeding 2m deep				
18	To reduce levels under paving, etc.	m3	2		
	Compaction of surfaces				
19	Compaction of ground surface under platforms, etc., including scarifying for a depth of 150mm, breaking down oversize material, adding suitable material where necessary and compacting to 93% Mod AASHTO density.	m2	12		
	Approved gravel filling (G7) supplied and carted on by the contractor, compacted in layers not exceeding 150mm thick to 93% Mod AASHTO density				
20	Under walkways, pavings, etc.	m3	2		
	60mm Thick interlocking bevelled precast concrete, brick, etc. pavers, on and including 25mm thick compacted sand bed with fine jointing sand swept and vibrated into joints, approved weed killer applied at prescribed rates, etc.,including inspection and re-sanding at the end of the retention period if necessary and neat flush intersection with adjoining paving, etc.				
21	Walkways, pavings, etc. to falls.	m2	12		
	Precast concrete kerbing, finished smooth on exposed surfaces including bedding, jointing and pointing				
22	Kerb (SABS 927 fig. 11), size 75 x 150mm high, bedded in 325 x 50mm thick unreinforced concrete (10MPa/19mm), with 150 x 100mm high unreinforced concrete (10MPa/19mm), continuous triangular haunching to the front and 100 x 75mm high at back, including excavation, backfilling, etc., circular on plan.	m	10		
	Carried Forward to Summary of Section No. 3				

	BILL NO 2				
	EXTERNAL PLUMBING AND DRAINAGE				
	STORM WATER DISPOSAL				
	Mass concrete class 25/19, storm water channels, laid to even falls in sections not exceeding 2m long, finished smooth to all visible faces, slightly rounded on salient angles, Ref.193 mesh reinforcement, including all necessary shallow excavations, form work, filling and ramming				
1	Open V-shaped stormwater channel, 900mm wide x 130mm thick overall, with top surface worked down to form 50mm deep channel, cast in panels not exceeding 2m long.	m	7		
2	Extra for angles, intersections, ends, etc.	No	2		
	Channel outlets				
3	Bell mouthed concrete storm water outlet, concrete class 20/19, size 850mm wide internally at inlet, bell mouthed to 1960mm at outlet and 1356mm long formed with 200mm thick base, provided with 200 x 200mm inverted edges to both raking 1500mm long sides, 200 x 200mm toe to 2700mm outlet and seventeen approved bricks cast into top surface of base in brick-on-edge position, all concrete finished smooth on all exposed surfaces, including necessary excavation, filling, ramming and formwork.	No	2		
	WATER SUPPLY				
	High density polypropylene class 4 pressure water pipes with compression fittings				
4	25mm Pipes laid in and including trenches.	m	45		
	Extra over piping for plasson screwed type fittings				
5	25mm Fittings.	No	30		
	Taps, valves, etc				
6	25mm Brass fullway gate valve.	No	5		
	INSPECTION CHAMBERS, MANHOLES, ETC.				
	The following in soakaways, french drains, etc.				
7	French drain, size 600mm wide x 1000mm deep, filled in with 19mm diameter gravel up to a level of 600mm with 24 micron bidum membrane 3000mm girth around gravel fill, including all necessary excavations, backfilling, compaction, etc.	m	65		
	DE-SLUDGING OF CONSERVANCY TANKS				
8	De-sludge existing conservancy tanks and removal of to safe dumping site.	m3	97		
	Carried Forward to Summary of Section No. 3				

	SECTION SUMMARY - EXTERNAL WORKS (PROVISIONAL)				
1	General Site Works				
2	External Plumbing & Drainage				
	Carried to Final Summary				

	FINAL SUMMARY				
1	PRELIMINARIES				
2	ISIHLANGWINI PRIMARY SCHOOL				
3	EXTERNAL WORKS (PROVISIONAL)				
	Sub-Total				
	ADD: 10% of Contract Value as a contingency for the unforeseen to be used at the discretion of the employer's agent and deducted in whole or in part if not required.		10.00%		
	Sub Total				
	ADD: 15% (Fifteen percent) of Sub-Total for Value Added Tax		15.00%		
	Carried to Form of Tender				