

**INCAPHAYI HIGH SCHOOL**

Item No		Quantity	Rate	Amount R
	<b><u>SECTION 1</u></b>			
	<b><u>BILL NO 1</u></b>			
1	P&G Cost (small works)	Item		
	<b><u>Definitions</u></b>			
2	Clause 1.0 - Definitions and interpretation	Item		
	<b><u>Objective and preparations</u></b>			
3	Clause 2.0 - Offer acceptance and performance obligations	Item		
4	Clause 3.0 - Documents	Item		
5	Clause 4.0 - Design responsibility	Item		
6	Clause 5.0 - Employer's agents	Item		
7	Clause 6.0 - Contractor's site representative	Item		
8	Clause 7.0 - Compliance with laws and regulations	Item		
9	Clause 8.0 - Works risk	Item		
10	Clause 9.0 - Indemnities	Item		
11	Clause 10.0 - General insurances	Item		
12	Clause 11.0 - Special insurances	Item		
13	Clause 12.0 - Effecting insurances	Item		
14	Clause 13.0 - Assignment	Item		
15	Clause 14.0 - Security	Item		
	<b><u>Execution</u></b>			
16	Clause 15.0 -Preparation for and execution of the works	Item		
	<b>Carried to Collection</b>		R	
	PRELIMINARIES INCAPHAYI HIGH SCHOOL FOR DBSA			



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Item No		Quantity	Rate	Amount R
17	Clause 16.0 - Site and access	Item		
18	Clause 16.7 - Known services	Item		
19	Clause 16.8 - Protection of trees	Item		
20	Clause 17.0 - Contract instructions	Item		
21	Clause 18.0 - Setting out of the works			
	The contractor shall notify the principal agent if any encroachments of adjoining foundations, buildings, structures, pavements, boundaries, etc exist in order that the necessary arrangements may be made for the rectification of any such encroachments	Item		
22	Clause 19.0 - Temporary works and plant	Item		
23	Subclause 19.1.1 - Enclosure of the works	Item		
24	Subclause 19.1.2 - Office accommodation	Item		
25	Clause 19.2 - Notice boards	Item		
26	Clause 20.0 - Nominated subcontractors	Item		
27	Clause 21.0 - Selected subcontractors	Item		
28	Clause 22.0 - Employer's direct contractors	Item		
29	Clause 23.0 - Contractor's domestic subcontractors	Item		
	<b><u>Completion</u></b>			
30	Clause 24.0 - Practical completion	Item		
31	Clause 25.0 - Works completion	Item		
32	Clause 26.0 - Final completion	Item		
33	Clause 27.0 - Latent defects liability period	Item		
	<b>Carried to Collection</b>		R	
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Item No		Quantity	Rate	Amount R
34	Clause 28.0 - Sectional completion	Item		
35	Clause 29.0 - Revision of date for practical completion The removal and replacement of materials and/or workmanship which do not conform to specification or drawing shall not constitute grounds for the extension of the construction period nor for the adjustment of the contract value (Clause 29.3)	Item		
36	Clause 30.0 - Penalty for late or non-completion	Item		
	<b><u>Payment</u></b>			
37	Clause 31.0 - Interim payment  Materials and goods stored off site shall not be included in the amount authorised for payment.	Item		
38	Clause 32.0 - Adjustment to the contract value  This contract is to be for a Fixed Price.  The Tenderer is to make allowances for all increases in costs related to builder's work for the duration of the contract for the FIXED PRICE.	Item		
39	Clause 33.0 - Recovery of expense and loss	Item		
40	Clause 34.0 - Final account and final payment	Item		
41	Clause 35.0 - Payment to other parties	Item		
	<b><u>Termination</u></b>			
42	Clause 37.0 - Termination by employer - loss and damage	Item		
43	Clause 38.0 - Termination by contractor - employer's default	Item		
44	Clause 39.0 - Termination - cessation of the works	Item		
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Item No		Quantity	Rate	Amount R
45	Clause 40.0 - Settlement of disputes	Item		
46	Clause 41.0 - Post tender provisions			
	The required post tender information shall be inserted in the post tender provisions after consultation with the contractor	Item		
47	Clause 42 0 - Contractual agreement			
	The required information of the contracting parties and the amount of the accepted contract sum shall be inserted in the contractual agreement for signature of the agreement by the contracting parties	Item		
Carried to Collection				R
PRELIMINARIES INCAPHAYI HIGH SCHOOL FOR DBSA				



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Item No		Quantity	Rate	Amount R
	<b><u>SECTION B - PRELIMINARIES</u></b>			
	<b><u>Definitions and interpretation</u></b>			
48	Clause 1.0 - Definitions and interpretation	Item		
49	Clause 36.0 - Termination by employer - contractor's default	Item		
	<b><u>Documents</u></b>			
50	Clause 2.1 - Checking of documents	Item		
51	Clause 2.2 - Provisional bills of quantities	Item		
	<b><u>Previous work and adjoining properties</u></b>			
52	Clause 3.1 - Previous work - dimensional accuracy	Item		
53	Clause 2.3 - Availability of construction documentation  The budgetary allowances and selected subcontract amounts allocated for subsequent trades included in this document will be separately procured, based on selected subcontractors during the construction period	Item		
54	Clause 3.2 - Previous work - defects	Item		
55	Clause 3.3 - Inspection of adjoining properties	Item		
	<b><u>Samples, shop drawings and manufacturer's instructions</u></b>			
56	Clause 4.1 - Samples of materials	Item		
57	Clause 4.2 - Workmanship samples	Item		
58	Clause 4.3 - Shop drawings	Item		
59	Clause 4.4 - Compliance with manufacturer's instructions	Item		
	<b>Carried to Collection</b>		R	
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Item No		Quantity	Rate	Amount R
	<b><u>Deposits and fees</u></b>			
60	Clause 5.1 - Deposits and fees	Item		
	<b><u>Temporary services</u></b>			
61	Clause 6.1 - Water	Item		
62	Clause 6.2 - Electricity	Item		
63	Clause 6.3 - Telecommunication facilities	Item		
64	Clause 6.4 - Ablution facilities	Item		
	<b><u>Prime cost amounts</u></b>			
65	Clause 7.1 - Responsibility for prime cost amounts	Item		
	<b><u>Special attendance on nls subcontractors</u></b>			
66	Clause 8.1 - Special attendance	Item		
	<b><u>General</u></b>			
67	Clause 9.1 - Protection of the works	Item		
68	Clause 9.2 -Protection/isolation of existing/sectionally occupied works  The Existing Primary school will be occupied and fully functional during the execution of the work and the contractor will be responsible for the erection and maintenance of adequate temporary hoardings to secure the area of the work from the pupils and the general public.	Item		
69	Clause 9.3 - Security of the works	Item		
70	Clause 9.4 - Notice before covering work	Item		
71	Clause 9.5 - Disturbance	Item		
72	Clause 9.6 - Environmental disturbance	Item		
	<b>Carried to Collection</b>		R	
	<b>PRELIMINARIES INCAPHAYI HIGH SCHOOL FOR DBSA</b>			



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Bill No. 1

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# INCAPHAYI HIGH SCHOOL

Item No		Quantity	Rate	Amount R
	<b><u>SECTION NO 2</u></b>			
	<b><u>BILL NO 1</u></b>			
	<b><u>DEMOLITIONS</u></b>			
	For preambles refer to "General Specification of Materials and Methods to be used for Building Contracts" (GP/ASC)			
	<b><u>SUPPLEMENTARY PREAMBLES</u></b>			
	<b><u>Nature of ground</u></b>			
	<p>Nature and extent description of demolitions give a rough guide only as to the scope of the work. Tenderers are therefore advised to visit the site before submitting a tender and to acquaint themselves with the nature and extent of the work to be done and the value of recoverable materials which are not to be re-used or handed over to the Employer. Unless otherwise stated, loose furniture, kitchen and other equipment, apparatus, machinery, etc. shall remain the property of the Employer and the removal thereof does not fall within the scope of this Contract. The Contractor shall completely demolish the buildings, etc. in a careful, skilful, practical and safe manner down to/or below concrete level. Demolition shall include breaking up and removing: all concrete footings and foundation walls all floors and surface beds all external screen walls, steps, ramps, aprons, surface water channels, rainwater sumps, gulleys, etc. attached to the building to be demolished; all internal services; all services (comprising of water, sewer, electrical, gas, etc), manholes, etc. in the ground to a point not less than 1m beyond the perimeter of the building, including plugging off ends of all remaining pipes, drains, etc. filling in holes where necessary and ramming and levelling to ground level. Where only a portion of a building is to be demolished, it shall be done without damage to the remaining portion of the building. Any such damage shall be made good by the Contractor at his own expense.</p>			
	<b>Carried to Collection</b>		R	
	DEMOLITIONS INCAPHAYI HIGH SCHOOL FOR DBSA			



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Item No		Quantity	Rate	Amount R
	<p>Notices. The Contractor shall, before commencing work, obtain all necessary authorisation for carrying out the work, by whatever means including the use of pneumatic equipment or blasting, give all necessary notices and pay all charges and fees in connection therewith. He shall also comply with all regulations pertaining to rodent extermination and he/she shall obtain the requisite Rodent Extermination Clearance Certificate and pay all necessary fees. All receipts and certificates shall be left in the safekeeping of the Architect. Demolitions shall include all the abovementioned charges and fees. The Contractor shall give ample notice to the Architect and Local Authorities regarding any disconnections necessary prior to the removal or interruptions of electrical or telephone cables, water and sanitary services, etc.</p> <p>Loss After the handing over of the site to the Contractor, the full risk of any loss or damage to buildings to be demolished shall be the responsibility Contractor and he shall take such precautions as he/she deems necessary against such loss or damage.</p> <p>Materials from the demolitions, credit, etc. Materials recovered from the demolitions will become the property of the contractor, who must allow credit in respect thereof where provided for in the bills of quantities. Such materials shall not be re-used in any new work without written permission from the Architect.</p> <p>Disposal of debris, etc. The Contractor shall be responsible for the removal from the site of all materials, rubble, debris and rubbish resulting from the demolitions. The contractor must take asbestos rubble to the registered asbestos dump sites.</p> <p><b><u>DEMOLITION OF PLAIN PIT LATRINES BLOCKS</u></b></p>			
	Carried to Collection		R	
	DEMOLITIONS INCAPHAYI HIGH SCHOOL FOR DBSA			



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Item No		Quantity	Rate	Amount R
	<b><u>Breaking down and removing buildings complete including all foundations, services including disconnecting electrical, sewer and water, and cart away rubble. Special care is to be given to the removal of asbestos - containing materials, the works should comply with health and safety regulations. The sub-contractor is to be duly registered as an asbestos contractor with the Department of Labour and proof of such registration should be made available before demolition work may commence.</u></b>			
1	Removal and carting away of building rubble	m <sup>2</sup>	40	
2	Desludging of existing toilet pits and dispose sludge at approved site	No	3	
3	Removal of ceilings and cornices including carting away and disposing at approved dump site	m <sup>2</sup>	679	
4	Removal of gutters including carting away and disposing at approved dump site	m <sup>2</sup>	191	
5	Removal of down pipes including carting away and disposing at approved dump site	m <sup>2</sup>	70	
6	Removal of windows including panes of sizes 0.1m <sup>2</sup> to 2m <sup>2</sup> including carting away and disposing at approved dump site	m <sup>2</sup>	66	
7	Removal of fascia and barge boards including carting away and disposing at approved dump site	m <sup>2</sup>	263	
8	Demolish Brickwork and dispose	m <sup>2</sup>	150	
9	Demolish Plaster and dispose	m <sup>2</sup>	240	
10	Demolish Screed and dispose	m <sup>2</sup>	320	
	<b><u>Breaking up and removing mass concrete</u></b>			
11	100mm Thick slabs	m <sup>2</sup>	220	
12	200mm Thick slabs	m <sup>2</sup>	20	
	<b>Carried to Collection</b>			R
	<b>DEMOLITIONS INCAPHAYI HIGH SCHOOL FOR DBSA</b>			



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Bill No. 1

DEMOLITIONS

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DEMOLITIONS  
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Item No		Quantity	Rate	Amount R
	<b><u>BULK EXCAVATION, FILLING, ETC</u></b>			
	<b><u>Extra over all excavations for carting away</u></b>			
2	Extra over all excavations for carting away surplus material from excavations and/or stockpile on site to a dumping site to be located by the Contractor	m <sup>3</sup> 96		
	<b><u>EXCAVATION, FILLING, ETC OTHER THAN BULK</u></b>			
	<b><u>Excavation in earth not exceeding 2m deep</u></b>			
3	Trenches	m <sup>3</sup> 147		
4	Holes	m <sup>3</sup> 143		
	<b><u>Back excavation of vertical sides of excavation in earth for working space including backfilling compacted to 93% Mod AASHTO density</u></b>			
5	Not exceeding 500mm deep for placing and removing formwork to bases, strip footings, etc against excavated face.	m <sup>2</sup> 22		
6	Exceeding 500mm and not exceeding 1500mm deep for placing and removing formwork to bases, strip footings etc against excavated face.	m <sup>2</sup> 49		
	<b><u>Extra over all excavations for carting away</u></b>			
7	Surplus material from excavations and/or stock piles on site to a dumping site to be located by the contractor	m <sup>3</sup> 77		
	<b><u>Extra over trench and hole excavations in earth for excavation in</u></b>			
8	Intermediate material	m <sup>3</sup> 19		
9	Hard rock	m <sup>3</sup> 11		
	<b>Carried to Collection</b>		R	
	<b>EARTHWORKS INCAPHAYI HIGH SCHOOL FOR DBSA</b>			



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Item No		Quantity	Rate	Amount R
	<b>Risk of collapse of excavations</b>			
10	Sides of trench and hole excavations not exceeding 1,5m deep	m <sup>2</sup>	218	
	<b>Keeping excavations free of water</b>			
11	Keeping excavations free of all water other than subterranean water		Item	
	<b>Earth filling obtained from the excavations and/or prescribed stock piles on site compacted to 95% Mod AASHTO density in 150mm thick layers</b>			
12	Backfilling to trenches, holes, etc	m <sup>3</sup>	28	
	<b>Earth filling of G2 material supplied by contractor in accordance with SABS 1200 DM compacted to 98% Mod ASSHTO density in 150mm thick layers</b>			
13	Under floors etc	m <sup>3</sup>	57	
	<b>Earth filling of G5 material supplied by contractor in accordance with SABS 1200 DM compacted to 98% Mod ASSHTO density in 150mm thick layers</b>			
14	Under floors etc	m <sup>3</sup>	15	
	<b>Earth filling of G7 material supplied by contractor in accordance with SABS 1200 DM compacted to 98% Mod ASSHTO density in 150mm thick layers</b>			
15	Under floors etc	m <sup>3</sup>	9	
	<b>Compaction of surfaces</b>			
16	Compaction of ground surface under floors etc including scarifying for a depth of 150mm, breaking down oversize material, adding suitable material where necessary and compacting to 95% Mod AASHTO density	m <sup>2</sup>	208	
	<b>SOIL POISONING</b>			
	<b>Carried to Collection</b>			
	EARTHWORKS INCAPHAYI HIGH SCHOOL FOR DBSA		R	



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Item No	Quantity	Rate	Amount R
<p>Formwork to soffits of (solid) slabs etc shall be deemed to be to slabs not exceeding 250mm thick unless otherwise described</p> <p>Formwork to sides of bases, pile caps, ground beams, etc will only be measured where it is prescribed by the engineer for design reasons. Formwork necessitated by irregularity or collapse of excavated faces will not be measured and the cost thereof shall be deemed to be included in the allowance for taking the risk of collapse of the sides of the excavations, provision for which is made in "Earthworks"</p>			
<p style="text-align: right;"><b>Carried to Collection</b></p>			
<p>CONCRETE, FORMWORK AND REINFORCEMENT  <b>INCAPHAYI HIGH SCHOOL</b>  <b>FOR DBSA</b></p>			



**INCAPHAYI HIGH SCHOOL**

Item No		Quantity	Rate	Amount R
	<b><u>UNREINFORCED CONCRETE CAST AGAINST EXCAVATED SURFACES</u></b>			
	<b><u>15MPa/19mm concrete</u></b>			
1	Surface blinding under footings and bases	m <sup>3</sup> 3		
	<b><u>REINFORCED CONCRETE CAST AGAINST EXCAVATED SURFACES</u></b>			
	<b><u>30MPa/19mm concrete</u></b>			
2	Strip footings	m <sup>3</sup> 14		
3	Bases	m <sup>3</sup> 1		
	<b><u>REINFORCED CONCRETE</u></b>			
	<b><u>30MPa/19mm concrete</u></b>			
4	Surface beds on waterproofing	m <sup>3</sup> 17		
5	PIT latrine bases	m <sup>3</sup> 3		
6	Columns in foundations	m <sup>3</sup> 2		
7	Slabs including beams and inverted beams	m <sup>3</sup> 4		
8	Thickening out underside of 100mm thick surface bed to 250mm thick x 550mm wide with one side tapered, including additional formwork, excavation, mesh, dpm etc	m 22		
9	Thickening out underside of 100mm thick surface bed to 200mm thick x 850mm wide with both sides tapered, including additional formwork, excavation, etc	m 10		
	<b><u>TEST CUBES</u></b>			
10	Making and testing 150 x 150 x 150mm concrete strength test cubes	Sets 15		
	<b><u>CONCRETE SUNDRIES</u></b>			
	<b>Carried to Collection</b>		R	
	<b>CONCRETE, FORMWORK AND REINFORCEMENT INCAPHAYI HIGH SCHOOL FOR DBSA</b>			



# INCAPHAYI HIGH SCHOOL

Item No		Quantity	Rate	Amount R
	<u>Finishing top surfaces of concrete smooth with a wood float</u>			
11	Surface beds, slabs, etc to falls	m <sup>2</sup> 216		
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CONCRETE, FORMWORK AND REINFORCEMENT INCAPHAYI HIGH SCHOOL FOR DBSA				



**INCAPHAYI HIGH SCHOOL**

Item No		Quantity	Rate	Amount R
	<b><u>ROUGH FORMWORK (DEGREE OF ACCURACY 11)</u></b>			
	<b><u>Rough formwork to sides</u></b>			
12	Bases	m <sup>2</sup> 6		
	<b><u>Rough formwork to soffits</u></b>			
13	Slabs propped up not exceeding 1.5m high	m <sup>2</sup> 16		
14	Edges, risers, ends and reveals not exceeding 300mm high or wide	m 2		
	<b><u>SMOOTH FORMWORK (DEGREE OF ACCURACY I)</u></b>			
	<b><u>Smooth formwork to sides</u></b>			
15	Rectangular columns in foundations	m <sup>2</sup> 3		
16	Edges, risers, ends and reveals not exceeding 300mm high or wide	m 25		
	<b><u>MOVEMENT JOINTS ETC</u></b>			
	<b><u>Expansion joints with bitumen impregnated softboard between vertical concrete surfaces:</u></b>			
17	10mm Joints not exceeding 300mm high	m 79		
	<b><u>REINFORCEMENT</u></b>			
	<b><u>Mild and high tensile steel reinforcement to structural concrete work</u></b>			
18	Various diameter bars	t 5.67		
	<b><u>Fabric reinforcement</u></b>			
19	Type 193 fabric reinforcement in concrete surface beds, slabs, etc	m <sup>2</sup> 694		
	<b>Carried to Collection</b>		R	
	<b>CONCRETE, FORMWORK AND REINFORCEMENT INCAPHAYI HIGH SCHOOL FOR DBSA</b>			



# INCAPHAYI HIGH SCHOOL

Bill No. 3

CONCRETE, FORMWORK AND REINFORCEMENT

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**TOTAL CARRIED TO FINAL SUMMARY**

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Item No		Quantity	Rate	Amount R
	<b><u>SECTION NO 2</u></b>			
	<b><u>BILL NO 3</u></b>			
	<b><u>MASONRY</u></b>			
	<b><u>SUPPLEMENTARY PREAMBLES</u></b>			
	Tenderers are to refer to the Model Preambles for Trades (Latest Edition) and Supplementary Preambles for further description and amplification of work in this section			
	<b><u>BRICKWORK</u></b>			
	<b><u>Sizes in descriptions</u></b>			
	Where sizes in descriptions are given in brick units, "one brick" shall represent the length and "half brick" the width of a brick			
	<b><u>Hollow walls etc</u></b>			
	Descriptions of hollow walls and brickwork in two skins shall be deemed to include wall ties and leaving every fifth perpend of the bottom course of the external skin open as a weep hole			
	Wall ties shall be polypropylene "Permaties" complying with SABS 76377. Ties for hollow walls shall be of sufficient length to allow not less than 75mm of each end to be built into the blockwork. Ties are to be spaced at intervals of not more than 1m in the horizontal direction and not more than 400mm staggered in the vertical direction except at openings, vertical joints or ends of walls where they are to be placed vertically above each other.			
	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 "Brixal" bitumen emulsion waterproofing coating.			
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	<b>MASONRY INCAPHAYI HIGH SCHOOL FOR DBSA</b>			



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# INCAPHAYI HIGH SCHOOL

Item No		Quantity	Rate	Amount R
	<b><u>FOUNDATIONS</u></b>			
	<b><u>Brickwork of NFX bricks (14 MPa nominal compressive strength) in Class I mortar:</u></b>			
1	Half brick walls	m <sup>2</sup> 27		
2	One brick walls	m <sup>2</sup> 109		
	<b><u>BRICKWORK SUNDRIES</u></b>			
	<b><u>Brickwork reinforcement in foundations</u></b>			
3	75mm Wide reinforcement built in horizontally	m 161		
4	150mm Wide reinforcement built in horizontally	m 274		
	<b><u>SUPERSTRUCTURE</u></b>			
	<b><u>Brickwork of "Corobrik NFP" bricks in class II mortar:</u></b>			
5	Half brick linings to concrete	m <sup>2</sup> 12		
6	Half brick walls	m <sup>2</sup> 27		
7	Half brick walls in beamfilling	m <sup>2</sup> 16		
8	One brick walls of two half brick skins bagged and sealed	m <sup>2</sup> 158		
	<b><u>BRICKWORK SUNDRIES</u></b>			
	<b><u>Bagging of 1:3 cement and sand mixture</u></b>			
9	To bottom and sides of PIT Latrine chambers	m <sup>2</sup> 202		
	<b><u>Joint forming material in movement joints</u></b>			
10	10mm Flexcell softboard built in vertically between concrete and brick surfaces	m <sup>2</sup> 11		
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	<b>MASONRY INCAPHAYI HIGH SCHOOL FOR DBSA</b>			



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Item No			Quantity	Rate	Amount R
	<b><u>Brickwork reinforcement</u></b>				
11	75mm Wide reinforcement built in horizontally	m	151		
12	150mm Wide reinforcement built in horizontally	m	796		
	<b><u>Concrete prestressed fabricated lintels</u></b>				
13	110 x 75mm Lintels in lengths not exceeding 3m	m	22		
	<b><u>Turning pieces</u></b>				
14	230mm Wide turning piece to lintels etc	m	20		
	<b><u>Galvanised hoop iron cramps, ties, etc</u></b>				
15	32 x 1.6mm roof tie 1800mm long with one end fixed to timber and the other end built into brickwork	No	30		
	<b><u>Air bricks etc</u></b>				
16	229 x 152mm Glazed clay vermin proof air bricks (Provisional)	No	10		
	<b><u>FACE BRICKWORK</u></b>				
	<b><u>'Corobrick Roan Travetine' FBA face bricks pointed with recessed horizontal and vertical joints</u></b>				
17	Extra over brickwork for face brickwork in foundations	m <sup>2</sup>	12		
18	Extra over brickwork for face brickwork	m <sup>2</sup>	225		
19	Extra over brickwork for brick-on-edge header course lintel pointed on face and 110mm soffit	m	24		
20	Fair raking cutting	m	31		
	<b><u>Brick-on-edge header course copings, sills, etc of 'Corobrick Roan Satin FBX' face bricks pointed with recessed joints on all exposed faces</u></b>				
21	230mm Wide sill set sloping and slightly projecting	m	17		
	<b>Carried to Collection</b>				
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	MASONRY INCAPHAYI HIGH SCHOOL FOR DBSA				



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Item No		Quantity	Rate	Amount R
	<b><u>SECTION NO 2</u></b>			
	<b><u>BILL NO 4</u></b>			
	<b><u>WATERPROOFING</u></b>			
	Tenderers are to refer to the Model Preambles for Trades (Latest Edition) and Supplementary Preambles for further description and amplification of work in this section			
	<b><u>SUPPLEMENTARY PREAMBLES</u></b>			
	<b>Waterproofing</b>			
	Waterproofing of roofs, basements, etc shall be laid under a ten year guarantee. Waterproofing to roofs shall be laid to even falls to outlets etc with necessary ridges, hips and valleys. Descriptions of sheet or membrane waterproofing shall be deemed to include additional labour to turn-ups and turn-downs			
	<b><u>DAMPPROOFING OF WALLS AND FLOORS</u></b>			
	<b><u>One layer of 375 micron "Consol Plastics Brikgrip DPC" embossed damp proof course</u></b>			
1	In walls	m <sup>2</sup>	15	
	<b><u>One layer of 250 micron "Consol Plastics Gunplas USB Green" waterproof sheeting sealed at laps with "Gunplas Pressure Sensitive Tape"</u></b>			
2	Under surface beds	m <sup>2</sup>	146	
3	Vertically between walls	m <sup>2</sup>	8	
	<b><u>Two coats "Brixal" bitumen emulsion waterproof coating</u></b>			
4	On concrete floors	m <sup>2</sup>	15	
5	On bagged brick walls	m <sup>2</sup>	42	
	<b>Carried to Collection</b>			
				R
	<b>WATERPROOFING INCAPHAYI HIGH SCHOOL FOR DBSA</b>			



**INCAPHAYI HIGH SCHOOL**

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INCAPHAYI HIGH SCHOOL

Bill No. 5

WATERPROOFING

**COLLECTION PAGE**

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WATERPROOFING  
INCAPHAYI HIGH SCHOOL  
FOR DBSA



# INCAPHAYI HIGH SCHOOL

Item No		Quantity	Rate	Amount R
	<b><u>SECTION NO 2</u></b>			
	<b><u>BILL NO 5</u></b>			
	<b><u>ROOF COVERINGS</u></b>			
	Tenderers are to refer to the Model Preambles for Trades (Latest Edition) and Supplementary Preambles for further description and amplification of work in this section			
	<b><u>PROFILED METAL SHEETING AND ACCESSORIES</u></b>			
	<b><u>Safintra 0,53mm thick SAFLOK 700 AZ150 G550 Dove Grey pre painted interlocking roof sheeting with Z275 spelter to both sides fixed to and including 50 x 50mm timber purlins at 1200mm centres, with SAFLOK 700 clip screws, all in accordance with manufacturer's instructions</u></b>			
1	Roof covering with pitch not exceeding 25 degrees	m <sup>2</sup>	236	
2	AG150 G550 Ridge Capping	m	19	
3	Narrow and broad flute closers 150mm girth	m	75	
	<b><u>ROOF AND WALL INSULATION</u></b>			
	<b><u>"Sisalation 420" heavy industrial grade aluminium foil based insulation</u></b>			
4	Insulation laid taut over rafters (at approximately 760mm centres) and fixed concurrent with roof covering including galvanised steel straining wires	m <sup>2</sup>	236	
	<b>TOTAL CARRIED TO FINAL SUMMARY</b>			R
	<b>ROOF COVERINGS</b>			
	<b>INCAPHAYI HIGH SCHOOL</b>			
	<b>FOR DBSA</b>			







# INCAPHAYI HIGH SCHOOL

Item No		Quantity	Rate	Amount R
	<p>a) The design of the prefabricated roof trusses, bracing and secondary members forming part of the total roof construction shall be prepared by a professional structural engineer (Truss System Engineer) strictly in accordance with SANS 0163 for the design of timber structures</p> <p>b) Erection must be carried out as described in "The erection and Bracing of Timber Roof Trusses" published by the Truss Plate Association of South Africa Ltd. and the National Timber Research Institute, CSIR</p> <p>c) Descriptions of roof trusses shall be deemed to include for design, manufacture, supply, hoisting and fixing in position, trimming ends, notching and for any temporary and permanent bracing as required, etc</p> <p><b><u>Prefabricated plate nailed timber roof truss construction</u></b></p> <p><b><u>Certificate of compliance</u></b></p> <p>Prior to the delivery of all prefabricated trusses, the supplier shall submit to the contractor a certificate confirming that the trusses have been manufactured in compliance with the aforementioned</p> <p>The following is applicable in respect of roof trusses:</p> <p>Pricing of roof trusses are to include for all bracing requirements including fixing once in place</p> <p>All roof trusses have 25° pitch</p> <p>Trusses are at maximum 760mm centres. Roof covering of 0.58mm "SAFLOK 700 AZ150 G550" pre painted roof sheeting on 50 x 50mm timber purlins and 9,5mm Rhinoboard ceiling board on 50 x 38mm brandering. The dimensions in the descriptions of the trusses are nominal and actual measurements are to be obtained from site before design or fabrication commences. Refer to Architect's drawing annexed to these Bills of Quantities.</p>			
	<b>Carried to Collection</b>		R	
	<p>CARPENTRY AND JOINERY</p> <p><b>INCAPHAYI HIGH SCHOOL</b></p> <p><b>FOR DBSA</b></p>			



# INCAPHAYI HIGH SCHOOL

Item No		Quantity	Rate	Amount R
	<b><u>ROOFS, ETC</u></b>			
	<b><u>Plate nailed timber roof truss construction</u></b>			
1	Roof construction to double pitched roof size 15,530 x 10,870mm average on plan and 1640mm high overall including roof ventilators, wall plates, trusses, permanent bracing, purlins, tilting purlin at eaves with all purlins fixed to rafters with approved hurricane clips and trusses fixed to wall plates with approved roof ties. Rafter end overhang is 1200mm and all exposed timbers at eaves are to be wrot, all as indicated on Architect's drawing	m <sup>2</sup>	546	
2	Roof construction to double pitched Ablutions roof size 6,741 x 7,062mm average on plan and 1640mm high overall including, wall plates, trusses, permanent bracing, purlins, tilting purlin at eaves with all purlins fixed to rafters with approved hurricane clips and trusses fixed to wall plates with approved roof ties. Rafter end overhang is 1200mm and all exposed timbers at eaves are to be wrot, all as indicated on Architect's drawing	m <sup>2</sup>	48	
	<b><u>Grade 5 Wrought laminated timber</u></b>			
3	300 x 45mm Beams, pergola beams, etc bolted	m	23	
	<b><u>Wrot softwood</u></b>			
4	50 x 76mm Gable trims	m	47	
	<b><u>Sundries</u></b>			
5	Two coats "Carbolinium" on sawn timbers	m <sup>2</sup>	12	
	<b><u>EAVES, VERGES, ETC</u></b>			
	<b><u>"Everite Nutec" medium density fibre-cement</u></b>			
6	12 x 225mm Fascias including aluminium H-profile jointing strips	m	37	
	<b><u>SKIRTINGS</u></b>			
	<b>Carried to Collection</b>		R	
	CARPENTRY AND JOINERY INCAPHAYI HIGH SCHOOL FOR DBSA			



# INCAPHAYI HIGH SCHOOL

Item No		Quantity	Rate	Amount R
	<b><u>Wrought meranti</u></b>			
7	22 x 75mm Skirting including 19mm quadrant nailed	m	54	
	<b><u>DOORS, ETC</u></b>			
	<b><u>Wrought Saligna doors hung to steel frames</u></b>			
8	40mm "Blaco" or equal approved framed, ledged and braced batten door 813 x 2032mm high of 40 x 110mm top rail and stiles, 20 x 150mm middle ledge, 20 x 110mm braces and 20 x 225mm bottom rail filled in with 22mm one sided V-jointed boarding hung to steel frame	No	3	
	<b><u>Solid flush panel hardwood doors with approved 'Sapele' veneer to both sides suitable for painting and hardwood edge strips hung to steel frames</u></b>			
9	40mm Door 813 x 2032mm high.	No	2	
10	44mm Door size 813 x 1100mm	No	4	
	<b><u>FRAMED FRAMES, ETC</u></b>			
	<b><u>Wrought meranti</u></b>			
11	56 x 80mm Purpose made rebated jamb linnings to suite 813 x 1100mm high doors	No	4	
	<b><u>JOINERY FITTINGS</u></b>			
	<b><u>SUPPLEMENTARY PREAMBLES</u></b>			
	<b><u>Particle board:</u></b>			
	Particle board shall comply with the following specification:a) SABS 1300 Particle board: exterior and flooring typeb) SABS 1301 Particle board: interior type			
	<b><u>Decorative laminate finish:</u></b>			
	Laminate finish shall be glued under pressure. Edge strips shall be butt joined at junctions with adjacent similar finish.			
	<b>Carried to Collection</b>			R
	<b>CARPENTRY AND JOINERY INCAPHAYI HIGH SCHOOL FOR DBSA</b>			



# INCAPHAYI HIGH SCHOOL

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**INCAPHAYI HIGH SCHOOL**

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**INCAPHAYI HIGH SCHOOL**

Item No			Quantity	Rate	Amount R
	<b><u>"Dorma or similar approved"</u></b>				
3	DPL 1000, 47mm Brass padlock	No	3		
	<b><u>"Solid Art or similar approved"</u></b>				
4	390/314 Four lever mortice lockset including 1 pair satin chrome handles	No	4		
	<b><u>TOILET ACCESSORIES</u></b>				
	<b><u>"Franke or similar approved"</u></b>				
5	STRX 671 18/10 Stainless steel lockable toilet roll holder fixed to wall as per manufactures' instructions	No	5		
6	STRX 618 18/10 1,2mm Stainless steel, satin finished, surface mounted soap dispenser with cylinder lock	No	3		
7	STRX 600 18/10 1,2mm Stainless steel, satin finished, surface mounted paper towel dispenser with cylinder lock	No	3		
	<b><u>SUNDRIES</u></b>				
	<b><u>"Union or similar approved"</u></b>				
8	38mm Door stop plugged	No	4		
	<b><u>PINNING BOARDS, WRITING BOARDS, PROJECTION SCREENS, ETC</u></b>				
9	Pinning board 2000 x 1200mm overall comprising of 10mm "Flortime" pinning board framed with 50 x 19mm profiled saligna surround and screwed at 300mm centres installed complete all as per Architect's drawings	No	1		
10	Standard Vitrex System 1000 vitreous enamel magnetic chalkboard to comply with SABS CKS-38/1980,size 1800 x 900mm high overall, complete with aluminium chalk rail plugged	No	2		
	<b>Carried to Collection</b>				R
	IRONMONGERY INCAPHAYI HIGH SCHOOL FOR DBSA				



INCAPHAYI HIGH SCHOOL

Bill No. 8

IRONMONGERY

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IRONMONGERY  
INCAPHAYI HIGH SCHOOL  
FOR DBSA



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**INCAPHAYI HIGH SCHOOL**

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INCAPHAYI HIGH SCHOOL

Bill No. 9

METALWORK

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METALWORK  
INCAPHAYI HIGH SCHOOL  
FOR DBSA



**INCAPHAYI HIGH SCHOOL**

Item No		Quantity	Rate	Amount R
	<b><u>SECTION NO 2</u></b>			
	<b><u>BILL NO 12</u></b>			
	<b><u>PLASTERING</u></b>			
	Tenderers are to refer to the Model Preambles for Trades (Latest Edition) and Supplementary Preambles for further description and amplification of work in this section			
	<b><u>SCREEDS</u></b>			
	<b><u>Screeds on concrete</u></b>			
1	25mm Thick on floors and landings	m <sup>2</sup> 75		
	<b><u>GRANOLITHIC</u></b>			
	<b><u>Untinted granolithic on concrete (degree of accuracy grade III)</u></b>			
2	25mm Thick on floors and landings	m <sup>2</sup> 39		
3	25 mm Thick grano screed to thresholds including reedings	m 3		
	<b><u>INTERNAL PLASTER</u></b>			
	<b><u>Cement plaster on brickwork or concrete</u></b>			
4	On walls	m <sup>2</sup> 172		
5	On narrow widths	m <sup>2</sup> 9		
	<b><u>CORNER PROTECTORS, DIVIDING STRIPS, ETC</u></b>			
6	30 x 3mm Flat section brass dividing strips between different floor finishes	m 3		
	<b>TOTAL CARRIED TO FINAL SUMMARY</b>		R	
	<b>PLASTERING INCAPHAYI HIGH SCHOOL FOR DBSA</b>			



Item No		Quantity	Rate	Amount R
	<b><u>SECTION NO 2</u></b>			
	<b><u>BILL NO 14</u></b>			
	<b><u>PLUMBING AND DRAINAGE</u></b>			
	Tenderers are to refer to the Model Preambles for Trades (Latest Edition) and Supplementary Preambles for further description and amplification of work in this section			
	Note: Prices for all stormwater drainpipes in ground are to include for bedding on and surrounding with approved granular material supplied and carted on to site by the contractor to a minimum thickness of 150mm below and 300mm above the pipe and for depositing the excavated material in spoil heaps where directed on site.			
	<b><u>SUPPLEMENTARY PREAMBLES</u></b>			
	<b><u>Proprietary items or materials</u></b>			
	Proprietary items or materials where specified are to be of the brand specified - or other approved - by the Head: Works			
	<b><u>uPVC pipes and fittings:</u></b>			
	Soil, waste and vent pipes and fittings shall be solvent weld jointed			
	<b><u>Copper pipes:</u></b>			
	Pipes shall be hard drawn and half-hard pipes of the class stated. Class 0 (thin walled hard drawn) pipes shall not be bent. Class 1 (thin walled half-hard), class 2 (half-hard) and class 3 (heavy walled half-hard) pipes shall only be bent with benders with inner and outer formers. Fittings to copper waste, vent and anti-syphon pipes, capillary solder fittings and compression fittings shall be "Cobra Watertech" type. Capillary solder fittings shall comply with ISO 2016. Only compression fittings shall be used in walls or in ground			
	<b>Carried to Collection</b>		R	
	<b>PLUMBING AND DRAINAGE INCAPHAYI HIGH SCHOOL FOR DBSA</b>			



# INCAPHAYI HIGH SCHOOL

Item No		Quantity	Rate	Amount R
	<p><b><u>Reducing fittings</u></b></p> <p>Where fittings have reducing ends or branches they are described as "reducing". In the case of pipes with diameters not exceeding 60mm only the largest end or branch size is given. Should the contractor wish to use other fittings and bushes or reducers he may do so on the understanding that no claim in this regard will be entertained. In the case of pipes with diameters exceeding 60mm all sizes are given and no claim for extra bushes, reducers, etc will be entertained</p> <p><b><u>Exposed concrete surfaces</u></b></p> <p>Exposed surfaces of concrete stormwater channels, cover slabs, inspection eye marker slabs, gulley tops, cleaning eye tops, catchpits, inspection chambers, etc shall be finished smooth with plaster</p> <p><b><u>Excavations</u></b></p> <p>No claim for rock excavation will be entertained unless the contractor has timeously notified the quantity surveyor thereof prior to backfilling</p> <p>"Intermediate excavation" and "hard rock excavation" shall be as defined in "Earthworks"</p> <p><b><u>Laying, backfilling, bedding, etc. of pipes</u></b></p> <p>Pipes shall be laid and bedded and trenches shall be carefully backfilled in accordance with manufacturer's instructions</p> <p>Where no manufacturer's instructions exist pipes shall be laid in accordance with clauses 5.1 and 5.2 of each of the following: SABS 1200 L : Medium-pressure pipelines LD : Sewers LE : Stormwater drainage Pipe trenches etc shall be backfilled in accordance with clauses 3, 5.5, 5.6, 5.7 and 7 of SABS 1200 DB : Earthworks (Pipe trenches) Pipes shall be bedded in accordance with clauses 3.1 to 3.4.1, 5.1 to 5.3 and 7 of SABS 1200 LB : Bedding (Pipes). Unless otherwise described bedding of rigid pipes shall be class B bedding</p>			
	<p><b>Carried to Collection</b></p>		R	
	<p>PLUMBING AND DRAINAGE INCAPHAYI HIGH SCHOOL FOR DBSA</p>			



**INCAPHAYI HIGH SCHOOL**

Item No		Quantity	Rate	Amount R
	<p><b><u>Flush pans</u></b></p> <p>Flush pans shall have straight or side outlets and "P" or "S" traps as necessary</p> <p><b><u>Stainless steel basins, sinks, wash troughs, urinals, etc</u></b></p> <p>Units shall have standard aprons on all exposed edges and tiling keys against walls where applicable</p> <p><b><u>Waste unions</u></b></p> <p>Descriptions of waste unions shall be deemed to include rubber or vulcanite plugs and chains fixed to fittings</p> <p><b><u>Sealing around sanitary fittings, etc</u></b></p> <p>Joints around sanitary fittings at junction with walls, etc are to be sealed with an approved silicone sealant and prices shall include for this</p> <p><b><u>STORMWATER CHANNELS</u></b></p> <p><b><u>Rectangular cast insitu concrete surface water channels</u></b></p>			
1	<p>100mm Thick shallow equal 'V' shaped rectangular 20mpa concrete drainage channel 1m wide overall including all earthworks, formwork and ref 193 mesh reinforcement cast in panels not exceeding 3m long, backfilling etc and finishing tops and sides smooth with a wood float</p>	m	79	
	<p><b><u>Class 16 Ribbed uPVC pipes including all excavation, bedding, backfilling and compaction and disposal of surplus material</u></b></p>			
2	<p>110mm Pipes laid in and including trenches not exceeding 1m deep</p>	m	5	
	<p><b><u>Extra over uPVC class 16 ribbed pipes for fittings</u></b></p>			
3	<p>110mm Bend</p>	No	4	
	<p><b>Carried to Collection</b></p>			R
	<p>PLUMBING AND DRAINAGE INCAPHAYI HIGH SCHOOL FOR DBSA</p>			



# INCAPHAYI HIGH SCHOOL

Item No			Quantity	Rate	Amount R
4	160mm Reducing junction	No	4		
	<b><u>Stormwater gulleys</u></b>				
5	380 x 380 x 150mm Precast concrete stormwater gully top including uPVC gully head and grid	No	4		
	<b><u>Sumps, catchpits, inspection chambers, etc (gratings and covers elsewhere)</u></b>				
6	Junction box 300 x 300mm and not exceeding 750mm deep internally	No	4		
	<b><u>SOIL DRAINAGE</u></b>				
	<b><u>Class 16 Ribbed uPVC pipes including all excavation, bedding, backfilling and compaction and disposal of surplus material</u></b>				
7	110mm Pipes laid in and trenches not exceeding 1m deep	m	8		
	<b><u>Covers, etc</u></b>				
8	450 x 450mm x 72kg Type 8a double seal manhole cover and frame cast into concrete	No	6		
	<b><u>RAINWATER DISPOSAL</u></b>				
	<b><u>"Watertite or similar approved" aluminium</u></b>				
9	125 x 125 Ogee seamless gutters with baked enamel finish fixed with concealed brackets all as per suppliers specifications	m	37		
10	Extra over 125 x 125 Ogee seamless gutter for stopped end	No	9		
11	Extra over 125 x 125 Ogee seamless gutter for outlet for 75mm diameter u PVC downpipe pipe	No	7		
12	100 x 75mm Fluted aluminium baked enamel rainwater downpipes fixed to walls	m	9		
<b>Carried to Collection</b>					R
<b>PLUMBING AND DRAINAGE INCAPHAYI HIGH SCHOOL FOR DBSA</b>					



# INCAPHAYI HIGH SCHOOL

Item No			Quantity	Rate	Amount R
13	Extra over 100 x 75mm rainwater pipe for shoe	No	3		
14	Extra over 100 x 75mm rainwater pipe for bends	No	2		
15	Extra over 100 x 75mm rainwater downpipes for eaves or plinth offset 600mm projection	No	3		
16	5000 Litre Polyethylene water tank with 75mm diameter inlet at top, 50mm overflow outlet, access hatch on top fitted with vermin-proof vent, 25mm outlet at base of tank fitted with Cobra 541 lockable tap on 22mm extension pipe with barrel riple and galvanised socket bolted to edge of concrete 400 x 40 x 3mm galvanised plate and 8 x 120mm rawl bolts	No	1		
<b><u>SANITARY FITTINGS</u></b>					
<b><u>"Citimetal or similar approved" stainless steel Grade 304</u></b>					
17	'Citi Metal' single bowl drop in sink, size 1200 x 535mm with overflow manufactured from grade 304 stainless steel, fitted to top of cupboard unit	No	1		
<b><u>Atlas Plastics or similar approved:</u></b>					
18	Atlas Plastics rotomoulded polyethylene VIP 200 pit pedestal, size 370 x 500mm high (code: 223AP) with foot piece and VIP 200 inlet funnel (code: 224AP), screwed to concrete cover slab of pit (elsewhere measured) with a removable plug, installed complete with lid	No	5		
<b><u>'Vaal Sanitaryware or similar approved' ceramic fire clay wash hand basins :</u></b>					
19	550 x 400mm 'Springbok' Vaal lavatory basin (product code 7031) with one taphole, including integrated overflow fitted on 2 cast iron brackets code 8118ZO, silicone seal btween wall and basin, chrome plated anti theft plug with spindle code 309-32, bolted to wall with "Sola" medical brackets installed complete all as per manufacturers' instructions	No	3		
<b>Carried to Collection</b>				R	
<b>PLUMBING AND DRAINAGE INCAPHAYI HIGH SCHOOL FOR DBSA</b>					



**INCAPHAYI HIGH SCHOOL**

Item No			Quantity	Rate	Amount R
	<b><u>WASTE UNIONS ETC</u></b>				
	<b><u>"Cobra Watertech or similar approved"</u></b>				
20	32mm 303 CP waste with 62mm diameter flange and 80mm long shank	No	4		
21	32mm 308 CP waste union	No	4		
22	32mm 310 CP waste union	No	1		
	<b><u>TAPS, VALVES, ETC</u></b>				
	<b><u>"Cobra Watertech or similar approved"</u></b>				
23	15mm Ballostop valve	No	2		
24	22mm "1003/125" Fullway gate valve	No	3		
25	"211-15CP" pillar tap	No	3		
26	"BS 5412" Hi-waist pillar tap type 1	No	1		
27	"CP" bottle trap	No	4		
	<b><u>SANITARY PLUMBING</u></b>				
	<b><u>Soil, waste &amp; vent uPVC pipes</u></b>				
28	50mm Pipes to walls, columns, soffits, etc	m	4		
	<b><u>Extra over uPVC pipes for fittings</u></b>				
29	50mm Bend	No	3		
30	50mm Access bend	No	3		
31	50mm Junction	No	4		
32	110mm Bend	No	1		
33	110 x 50mm Access reducing junction	No	2		
	<b>Carried to Collection</b>			R	
	<b>PLUMBING AND DRAINAGE INCAPHAYI HIGH SCHOOL FOR DBSA</b>				



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# INCAPHAYI HIGH SCHOOL

Item No		Quantity	Rate	Amount R
	<b><u>SECTION NO 2</u></b>			
	<b><u>BILL NO 16</u></b>			
	<b><u>GLAZING</u></b>			
	Tenderers are to refer to the Model Preambles for Trades (Latest Edition) and Supplementary Preambles for further description and amplification of work in this section			
	<b><u>GLAZING TO STEEL WITH PUTTY</u></b>			
	<b><u>6mm Clear float glass</u></b>			
1	Panes not exceeding 0,1 m2	m <sup>2</sup>	8	
	<b><u>TOPS, SHELVES, DOORS, MIRRORS, ETC</u></b>			
	<b><u>"Franke" or similar approved</u></b>			
2	S/S Mirror code M400 D heavy duty mirror manufactured from 1mm thick GR 304 (18/10) S/S with reflective polished surfaces and concealed thief fixing mounting plate to be 2mm GR. 304 (18/10) including 10mm thick density board mirror support, screws, plugs etc	No	4	
	<b>TOTAL CARRIED TO FINAL SUMMARY</b>			R
	GLAZING INCAPHAYI HIGH SCHOOL FOR DBSA			



**INCAPHAYI HIGH SCHOOL**

Item No		Quantity	Rate	Amount R
	<b><u>SECTION NO 2</u></b>			
	<b><u>BILL NO 17</u></b>			
	<b><u>PAINTWORK</u></b>			
	Tenderers are to refer to the Model Preambles for Trades (Latest Edition) and Supplementary Preambles for further description and amplification of work in this section			
	<b><u>SUPPLEMENTARY PREAMBLES</u></b>			
	<b><u>DESCRIPTIONS</u></b>			
	Descriptions of paintwork shall be deemed to include for all cutting in			
	<b><u>PAINTWORK, ETC TO NEW WORK ON</u></b>			
	<b><u>ON FLOATED PLASTER SURFACES WITH</u></b>			
	<b><u>One coat "Alkali Resistant Primer" and two coats 'Plascon Wall and All Pure Acrylic' or similar approved paint on</u></b>			
1	On internal walls	m <sup>2</sup>	116	
	<b><u>One coat "Alkali Resistant Primer" and two coats "Plascon Velvaglo" or similar approved enamel paint on</u></b>			
2	On internal walls	m <sup>2</sup>	102	
	<b><u>ON FIBRE-CEMENT, ETC.</u></b>			
	<b><u>Prepare surfaces and remove all loose material, apply one coat 'Plascon Wall and All Pure Acrylic' thinned 10% and two coats 'Plascon Wall and All Pure Acrylic' paint or similar approved on</u></b>			
3	Fascias and barge boards not exceeding 300mm girth	m	37	
	<b>Carried to Collection</b>			R
	<b>PAINTWORK INCAPHAYI HIGH SCHOOL FOR DBSA</b>			



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INCAPHAYI HIGH SCHOOL

Bill No. 13

PAINTWORK

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PAINTWORK  
INCAPHAYI HIGH SCHOOL  
FOR DBSA



# INCAPHAYI HIGH SCHOOL

Item No		Quantity	Rate	Amount R
	<b><u>BILL NO 2</u></b>			
	<b><u>STORMWATER DRAINAGE</u></b>			
	<b><u>SUPPLEMENTARY PREAMBLES</u></b>			
	<b><u>uPVC pipes and fittings:</u></b>			
	Sewer and drainage pipes and fittings shall be jointed and sealed with butyl rubber rings. Soil, waste and vent pipes and fittings shall be solvent weld jointed or sealed with butyl rubber rings.			
	<b><u>uPVC pressure pipes and fittings:</u></b>			
	Pipes of 50mm diameter and smaller shall be plain ended with solvent welded uPVC loose sockets and fittings. Pipes of 63mm diameter and greater shall have sockets and spigots with push-in type integral rubber ring joints. Bends shall be uPVC and all other fittings shall be cast iron, all with similar push-in type joints.			
	<b><u>Reducing fittings:</u></b>			
	Where fittings have reducing ends or branches they are described as 'reducing' and only the largest end or branch size is given. Should the contractor wish to use other fittings and bushes or reducers he may do so on the understanding that no claim in this regard will be entertained.			
	<b><u>Fixing of pipes:</u></b>			
	Unless specifically otherwise stated, descriptions of pipes shall be deemed to include fixing to walls, etc, casting in, building in or suspending not exceeding 1m below suspension level.			
	<b><u>Disinfection of water pipework:</u></b>			
	Water pipework is to be disinfected at completion in accordance with SABS 1200L (provision for disinfection elsewhere).			
	<b>Carried to Collection</b>		R	
	<b>STORMWATER DRAINAGE INCAPHAYI HIGH SCHOOL FOR DBSA</b>			



# INCAPHAYI HIGH SCHOOL

Item No		Quantity	Rate	Amount R
	<p><b><u>Laying, backfilling, bedding, etc., of pipes:</u></b></p> <p>Pipes shall be laid and bedded in accordance with manufacturers' instructions and trenches shall be carefully backfilled.</p> <p>Where no manufacturers' instructions exist, pipes shall be laid in accordance with Clauses 5.1 and 5.2 of each of the following: SABS 1200L : Medium-pressure pipelines SABS 1200 LD : Sewers SABS 1200 LE : Stormwater drainage Pipe trenches, etc shall be backfilled in accordance with Clauses 3, 5.5, 5.6, 5.7 and 7 of SABS 1200DB : Earthworks (Pipe trenches) Pipes shall be bedded in accordance with Clauses 3.1 to 3.4.1, 5.1 to 5.3 and 7 of SABS 1200LB : Bedding (Pipes) Unless otherwise described bedding of rigid pipes shall be Class B bedding</p> <p><b><u>General:</u></b></p> <p>Descriptions of pipes laid in and including trenches and of inspection chambers, catchpits, etc shall be deemed to include excavation, bedding, backfilling, compaction to a minimum of 98% Mod AASHTO density and disposal of surplus material on site.</p> <p><b><u>As-built drawings:</u></b></p> <p>Where required, the contractor shall prepare an updated set of as-built drawings. At completion of the contract the contractor shall hand these drawings to the principal agent for reproducing onto the originals for handing over to the employer (provision for allowance of as-built drawings elsewhere).</p> <p><b><u>STORMWATER CHANNELS</u></b></p>			
	Carried to Collection		R	
	STORMWATER DRAINAGE INCAPHAYI HIGH SCHOOL FOR DBSA			



**INCAPHAYI HIGH SCHOOL**

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# INCAPHAYI HIGH SCHOOL

Bill No. 14

STORMWATER DRAINAGE

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**TOTAL CARRIED TO FINAL SUMMARY**

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STORMWATER DRAINAGE  
INCAPHAYI HIGH SCHOOL  
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**BILL NO 16**

Tenderers are to refer to the Model Preambles for Trades (Latest Edition) and Supplementary Preambles for further description and amplification of work in this section

Galvanised wire mesh to comply SANS 1580-2005

All 'Gabion and Terramesh' units to be cross braced using Galvanised and PVC coated wire of the same specification as the units

A soils investigation has been carried out on site by the engineer and the report is annexed to these bills of quantities. Descriptions of excavations shall be deemed to include all ground conditions classifiable as "earth" described in the above report and where conditions of a more difficult character are indicated these are separately measured

Descriptions of carting away of excavated material shall be deemed to include loading excavated material onto trucks directly from the excavations or, alternatively, from stock piles situated on the building site

Notwithstanding the reference to prescribed multiple handling in clause 1 page 6 of the Standard System of Measuring Building Work, prices for filling and backfilling shall include for all selection and any multiple handling of material

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**INCAPHAYI HIGH SCHOOL**

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Bill No. 15

WALKWAYS

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TOTAL CARRIED TO FINAL SUMMARY

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WALKWAYS  
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# INCAPHAYI HIGH SCHOOL

Item No		Quantity	Rate	Amount R
	<b><u>SECTION NO 2</u></b>			
	<b><u>BILL NO 17</u></b>			
	<b><u>PROVISIONAL SUMS ETC</u></b>			
	<b><u>SUPPLEMENTARY PREAMBLES</u></b>			
	<b><u>General</u></b>			
	Unless otherwise described, all prime cost amounts and provisional sums exclude the cash discount of 5% and include for delivery to site of all articles concerned			
	All prime cost amounts and provisional sums are net and include for delivery to site of all articles concerned			
	<b><u>Preliminaries</u></b>			
	The contractor is referred to the Preliminaries for further amplification of "Prime Cost Amounts and Provisional Sums"			
	<b><u>ELECTRICAL WORKS</u></b>			
1	Provide an amount of R 300,000 (Three Hundred Thousand Rand) for Electrical Works	Item		300 000.00
	<b><u>JOINERY FITTINGS</u></b>			
2	Provide an amount of R60,000 (Sixty Thousand Rand) for Joinery Fittings	Item		60 000.00
3	Profit on above item	Item		
4	Attendance on ditto	Item		
	<b><u>CLO</u></b>			
5	Provide an amount of R100 000 (One Hundred Thousand Rand) for CLO	Item		100 000.00
6	Profit on above item	Item		
	<b>Carried to Collection</b>		R	
	<b>SPECIAL ITEMS</b>			
	<b>INCAPHAYI HIGH SCHOOL</b>			
	<b>FOR DBSA</b>			



**INCAPHAYI HIGH SCHOOL**

Item No		Quantity	Rate	Amount R
7	Attendance on ditto	Item		
<b><u>LIGHTENING PROTECTION</u></b>				
8	Provide an amount of R50 000 (Fifty Thousand Rand) for Lightening Protection	Item		50 000.00
Carried to Collection			R	
SPECIAL ITEMS INCAPHAYI HIGH SCHOOL FOR DBSA				



INCAPHAYI HIGH SCHOOL

Bill No. 16

SPECIAL ITEMS

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SPECIAL ITEMS  
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3	CONCRETE, FORMWORK AND REINFORCEMENT	24	
4	MASONRY	30	
5	WATERPROOFING	33	
6	ROOF COVERINGS	34	
7	CARPENTRY AND JOINERY	40	
8	IRONMONGERY	43	
9	METALWORK	46	
10	PLASTERING	47	
11	PLUMBING AND DRAINAGE	55	
12	GLAZING	56	
13	PAINTWORK	60	
14	STORMWATER DRAINAGE	64	
15	WALKWAYS	67	
16	SPECIAL ITEMS	70	
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1	SECTION 1 - PRELIMINARIES	8		
2	SECTION 2 - BUILDING WORKS	71		
	Sub Total		R	
	<b><u>CONTINGENCIES</u></b>			
	Allow 5% for contingencies, to be used at the discretion of the Architect and to be omitted in whole or in part	Item		
	Sub Total		R	
	ADD 15% VAT		R	
	TOTAL CARRIED TO FORM OF OFFER		R	
	INCAPHAYI HIGH SCHOOL FOR DBSA			