BILL OF QUANTITIES - COMPLETION OF THE ACHIANO TOILET

ITEM	DESCRIPTION	Q'TY	UNIT	RATE	AMOUNT
1	**BILL NO.1: GENERAL ITEMS AND PRELIMNARIES** **Bank Guarantee/Bonds** Allow for providing the following Bank Guarantees/Bonds ✓ Performance Bond/Guarantee for Works ✓ Performance Bond/Guarantee for Environmental, Social, Health and Safety		Item Item		
2	**Insurance** Allow for providing all necessary insurances including the following: ✓ Loss or damage incidental to manufacture or acquisition, transportation, storage and delivery. ✓ Insurance of the works ✓ Injury to persons or damage to properties at the site ✓ Third party Insurance ✓ Any other insurance necessary for the performance of the contract.		Item		
3	**Project Sign Post** The Contractor is to allow for providing on the site one (1) signboard size 1200mm x 3000mm overall in a position and of a designed and layout be approved by the consultant per site		item		
4	**Record Keeping** Allow provision of Site Visitor's, Site Instructions and Daily Record Book; showing labour, equipment and materials delivered and used on site.		Item		
5	**Temporary Fencing and Gates** Allowing for providing all necessary fencing and gates and other provisions as shall be necessary for the protection of the public and occupants of adjoining property, for the proper execution of the Works, for the prevention of trespass and injury for the preservation of existing structures Allowing for providing all necessary fencing and gates and or other authority		Item		
6	**Temporary Shelters for Workmen** The Contractor shall provide, erect and maintain shelters for the use of the workmen, furnished with tables, benches, etc. as may be reasonably required by the workmen for the preparation and consumption of their meals together with an adequate supply of clean drinking water		Item		
	Temporary Stores				

7	Allow for providing and maintaining proper sheds for the storage and protection of materials etc. and other work that may be brought or executed at the site and remove on completion. Sheds for the storage of cement is to have floor raised from the ground (NB :TO RENT)		Item		
8	**Setting out of the works** Allow for setting out of the works in accordance with the Conditions of Contract.		Item		
9	**Water for the Works** Allow for providing the whole of the water required for the execution of the works including that required by Sub-Contractors including paying all fees and charges in connection and clear away on completion.		Item		-
	TO COLLECTION 1				
10	**Testing Materials** The contractor will be required to carry out tests of materials on site to prepare, pack and dispatch materials and goods to a nominated Testing Laboratory when instructed to do so by the Consultant or Engineer, and he should allow here for all cost in connection therewith including making concrete test cubes excluding only the charge of the Laboratory for testing materials which are not found to be faulty		Item		
11	**Personal Protective Equipment:** The Contractor shall provide all site operatives with protective clothing such as Helmet, Reflectors, Jackets, protective footwear, Gloves, Goggles, Nose Marks, Ear Plugs, Fire Extinguishers to protect such operatives from head and foot injury. The Contractor shall also provide all visitors to the site including resident construction professionals with protective clothing such as hard hat and safety boots and insist on their		Item		
12	**First Aid Equipment** The Contractor shall provide adequate first aid equipment which shall be available for the use of the workmen during working hours.		Item		
13	**COVID-19 Management** The Contractor shall provide adequate COVID-19 management equipment and facilities (i.e. infra-red thermometer guns, alcohol based sanitizers and nose marks where needed) which shall be available for the use of the workmen during working hours and keep records of all workers on daily basis in a register.		Item		
	Latrines				

14	The Contractor shall provide adequate latrine accommodation in a position approved by the Consultant and shall keep same in a clean and sanitary condition to the satisfaction of the Public Health Authorities. The Contractor shall cause such latrines and soil to be cleared away whenever necessary and make good all work disturbed by the conveniences.		Item		
15	**Site Meetings** The Contractor shall in consultation with the Consultant arrange for monthly progress meetings which shall be attended by representatives of all Nominated Sub-Contractors/Suppliers engaged on the works, (and required by him/her to be present) to co-ordinate progress and ensure that the programme is met in all aspects (4 times).		Item		
16	**Progress Photographs:** The Contractor shall allow for supply four (4) soft copies of progress photographs taken at agreed specific locations per month to the Project Manager throughout the term of the contract.		Item		
17	**Records of Grievances/Complaints, Incident/Accident, Weather Data and Workers Employed** The Contractor shall furnish the Consultant with statements showing the number of grievances/complaints received, incidents/accidents recorded, weather data (temperature, rainfall days etc) and workers employed on site		Item		
	TO COLLECTION 2				

18	**Clear Away Rubbish** All shavings, cuttings and other rubbish as it accumulates from time to time during the progress of the works and at completion, including that of Sub-Contractors and special tradesmen is to be cleared and carted away and all materials condemned by the consultant or his representative to be removed.		Item		
19	**Tree Planting** The contractor shall procure, plant and maintain a minimun 10 trees or above at each site until the end of defects liability period.		Item		
	TO COLLECTION 3 **<u>COLLECTION:</u>** Collection 1/1 Collection 1/2				

	Collection 1/3				
	BILL NO.1 - GENERAL ITEMS AND PRELIMINARIES **To General Summary**				

BILL OF QUANTITIES - COMPLETION OF THE ACHIANO TOILET

ITEM	DESCRIPTION	QTY	UNIT	RATE (GH₵)	AMOUNT(GH₵)
	EXISTING SITE/ BUILDINGS/ SERVICES				
	Demolition/Alteration works/cleaning/ clearing works				
	Carefully demolish the following, dispose as specified. (storage for employer shall be at Assembly stores) and make good all works disturbed;				
A	Inspect and repair leakages in roof covering, treat with roof plaster and mastic asphalt		Item		
B	Remove 12 x 50mm hardwood ceiling battens and dispose		Item		
C	Ditto partly rotten ceiling cards do (Aprox. 37m2)		Item		
D	General cleaning works of the interior including removal and disposal of faecal matter and sanitizing the interior before work begins		Item		
E	Clear site of overgrown vegetation and dispose, cut down trees and the like and gather and burn		Item		
	TOTAL C/F				

BILL OF QUANTITIES - COMPLETION OF THE ACHIANO TOILET

ITEM	DESCRIPTION	QTY	UNIT	RATE (GH¢)	AMOUNT(GH¢)
	NEW/MAIN WORKS				
	Plain In-situ Concete				
	Place in-situ concrete (1:3:6-38mm aggregate as described in:				
A	steps	3	m³		
B	Ramp	4	m³		
	Formwork				
C	Formwork to sides of steps	15	m2		
D	Ditto in ramp	21	m2		
	CONCRETE WORKS				
	Carried to Summary				
	F-MASONRY				
	F10 BRICK/BLOCK WALLING				
E	150mm thick solid sandcrete blockwork; jointed in cement and sand mortar (1:4) in stretcher bond in steps and ramp	32	m²		
	BRICK/BLOCK WALLING				
	Carried to Summary				
	CARPENTRY & JOINERY				
	whrought hardwood				
F	Ceiling battens	26	m		
G	Allow for fixing of panel doors	12	m		
	CARPENTRY & JOINERY				
	Carried to Summary				
	SURFACE FINISHING				
	Plasterwork and Other In-situ Finishings				
	25mm thick cement and sand (1:4) rendering to:				
G	steps and ramps	37	m²		
	Tile finishings				
	Floor tiles				
H	300 x 300 x10mm Ceramic floor tiling fixed with an approved adhessive and pointed in white cement on screeded bed	15	m²		
	Wall tiles				
J	200 x 400 x10 ceramic wall tiles fixed with an approved adhessive in washrooms	52	m²		
	Carried Forward				

BILL OF QUANTITIES - COMPLETION OF THE ACHIANO TOILET

ITEM	DESCRIPTION	QTY	UNIT	RATE (GH¢)	AMOUNT(GH¢)
	B/F				
	Plywood				
A	6mm thick plywood ceiling cards nailed to soffit of hardwood including barge	35	m²		
	PLASTERING AND OTHER FINISHINGS Carried to Summary				
	METAL WORKS				
	Metal Louvre Carriers				
B	Install a pair of 8-clip metal louvre carriers	3	No.		
	METAL WORKS Carried to Summary				
	GLAZING				
C	clear/opaque sheet glass louvre blade cut into sizes and fix with clips to match	24	nr		
	GLAZING Carried to Summary				
	PAINTING				
	Painting and Decorating				
	Prepare and apply three (3) coats of emusion paint(leyland) on:				
D	Wall surfaces	223	m²		
E	Ceilings	85	m²		
	Knot, Prime, Stop prepare and apply two (2) undercoat and one (1) finishing coat as leyland				
F	General wood surface (doors)	67	m²		
G	frames	34	m²		
H	Fascia	29	m²		
	PAINTING AND DECORATION Carried to Summary				

BILL OF QUANTITIES - COMPLETION OF THE ACHIANO TOILET

ITEM	ACTIVITY DESCRIPTION	QTY	UNIT	RATE (GH₵)	AMOUNT (GH₵)
	Y. MECHANICAL AND ELECTRICAL SERVICES				
	PLUMBING SERVICES				
	Pipelines				
	Pipework Installations				
A	PVC Pipes, straight, 18mm Diameter with solvent joints, fixed and laid in trenches	56	m		
B	Ditto chases in walls	23	m		
C	PVC Pipes, straight, 25mm Diameter with solvent joints, fixed and laid in chases	87	m		
	Extra over PVC pipes for ;				
D	Allow for items extra-over pipes **(Ghc3000.00)** and installation of polytanks on concrete roof top		item		
	Total carried forward				

BILL OF QUANTITIES - COMPLETION OF THE ACHIANO TOILET

ITEM	ACTIVITY DESCRIPTION	QTY	UNIT	RATE (GH₵)	AMOUNT (GH₵)
	PLUMBING SERVICES			*Total B/F*	
	Pipeline Ancillaries				
	Pipework Ancillaries, 12mm Dia brass type high pressure, screwed down type, fixed with solvent joints to PVC pipes as;				
A	Bib taps	5	nr		
B	stop valves	10	nr		
	Sundry Common Mechanical items (Plumbing)				
C	Prepare drawings on the locations of sanitary appliances, pipelines and fittings 'as built' prints, 4 copies showing details of builder's work, operational guidelines and handover to Head of Works for O&M **(GHC3000.00)**		Item		
	Sanitary Appliances/ fittings				
	Provide and install the following Sanitary Appliances as "Twyford" or "Armitage", cost to include assembling and jointing together:-				
D	Low level white vitreous china WC suite complete comprising bowl with "P" with plastic hinged seat cover, 9 litre cistern, brackets and flush pipe, plugging and screwing bowl to floor and cistern brackets to blockwork	6	nr		
E	600 x 450mm white vitreous china lavatory basin with 31mm diameter waste fitting, plug, chain, stay and 12mm diameter chromium plated pillar tap and pair of painted cast iron cantilever brackets plugged and screwed to to wall	8	nr		
F	Chromium plated toilet roll holder plugged and screwed to wall	10	nr		
G	Chromium plated towel rail plugged and screwed to wall	2	nr		
H	Mirror, 600mm x 450mm fixed with brackets to wall	4	nr		
	N15. Signs/Notices				
J	Allow a Prime Cost Sum for work in labelling of project at specified location and other identification **(GHC2500.00)**		PC		
K	Allow a Prime Cost Sum for providing and installing guard rails in Disability toilets **(GHC5000.00)**		PC		
	PLUMBING SERVICES				
	Carried to Summary				

BILL OF QUANTITIES - COMPLETION OF THE ACHIANO TOILET

ITEM	ACTIVITY DESCRIPTION	QTY	UNIT	RATE (GH₵)	AMOUNT (GH₵)
	Y. MECHANICAL AND ELECTRICAL SERVICES				
	ELECTRICAL SERVICES				
	Extension of Electricity				
A	Allow a provisional sum of **GHC40,000.00** for extension of electricity and installation of ECG lighting system (Material schedule shall be received before certification for work)		item		
	ELECTRICAL SERVICES				
	Carried to Summary				
	IRONMONGERY				
	P. BUILDING FABRIC SUNDRIES				
	P21. Doors/ Window Ironmongery				
B	Pair 100mm Heavy-duty Brass Butt Hinges	10	nr		
C	100mm barrel bolt	10	nr		
D	45mm backset with 85mm centre-to-centre **Mortice Lock** with set of Stainless Steel U-Shaped lever handles and 50mm diameter escutcheons as "Union" or approved equal (Sample available for inspection)	11	nr		
	IRONMONGERY				
	Carried to Summary				
	MECHANIZED BOREHOLE				
A	Allow a provisional sum of **GHC30,000.00** for redevelopment and installation of 1.5HP submersible pump with all accessories to match (Material schedule shall be received before certification for work)		item		
	MECHANIZED BOREHOLE				
	Carried to Summary				

BILL OF QUANTITIES - COMPLETION OF THE ACHIANO TOILET

ITEM	DESCRIPTION	QTY	UNIT	RATE (GH₵)	AMOUNT(GH₵)
	SUMMARY				
A	DEMOLITION & ALTERATION WORKS				
A	CONCRETE WORKS				
B	BLOCK WORK				
C	CARPENTRY AND JOINERY				
D	IRONMONGERY				
E	PLASTERING AND OTHER FINISHINGS				
F	METAL WORKS				
G	GLAZING				
H	PAINTING AND DECORATION				
J	PLUMBING SERVICES				
K	ELECTRICAL INSTALLATIONS				
L	MECHANIZED BOREHOLE				
	NEW/MAIN WORKS				
	Carried to Summary				

ACHIANO TOILET SEPTIC TANK

ITEM	DESCRIPTION	Measd. QTY	UNIT	RATE(GH¢)	AMOUNT(GH¢)
	BILL NO.4				
	EXTERNAL WORKS				
	Septic Tank Size 6000 X 2000 X 3000mm				
A	Excavate pit to form septic tank commencing at strip level and not exceeding 3m maximum depth including in necessary backfilling and disposal	52	M³		
B	Extra over for excavating in rocks/soft soil	11	M³		
C	225mm thick in-situ mass concrete (1:3:6) in base slab	4	M³		
D	150mm thick blockwork in 1:4 mortar mix	82	M²		
E	25mm thick cement sand mortar 1:4 mix plastering to blockwork surfaces	92	M²		
F	30mm thick screeding to base and suspended slab	19	M²		
G	Reinforced concrete (1:2:4) 150mm thick suspended slab	4	M³		
	Formwork Sawn Hardwood form work to:				
J	Sides of cover slabs	17	M		
K	Sides of suspended slab	26	M		
L	Soffit of suspended slab	19	m2		
	Reinforcement Deformed Mild Steel *Bars:*				
M	12mm Diameter in main suspended slab	384	Kg		
P	100mm diameter PVC vent pipe and cap	3	No.		
	To Collection 1				

ACHIANO TOILET SEPTIC TANK

ITEM	DESCRIPTION	Measd. QTY	UNIT	RATE(GH¢)	AMOUNT(GH¢)
	EXTERNAL WORKS CONT'D.				
	Inspection chamber				
	Excavate and construct inspection chamber with 100mm thick in-situ concrete (1:6 all in -aggregate thick solid sandcrete block wall rendered both sides complete with necessary benching and minimum internal dimension of:				
A	600 x 600 x 600mm adjacent to building	3	No.		
B	Ditto isolated to building	2	No.		
C	Precast concrete (1:6) nspection chamber cover 850 x 850 x 100mm thick with steel mesh reinforcement 12mm diameter at 150mm centres both-ways and 200 x 12mm diameter rods each bent 4 times and cast in concrete as lifting handles all as laid in place in cement and sand mortar (1:4)	3	No.		
D	100mm diameter PVC pipe in trench including all necessary excavation and backfilling	20	M		
E	30mm thick cement-sand screed (1:6) on concrete pit base	16	M²		
F	Allow for the construction of 1200mm diametar and 1200 depth soak-way pit	2	nr		
	To Collection 2				
	SEPTIC TANK COLLECTION				
	COLLECTION 1				
	COLLECTION 2				
	SEPTIC TANK CARRIED TO GEN. SUMMARY				

BILL OF QUANTITIES - COMPLETION OF THE ACHIANO TOILET					
ITEM	**DESCRIPTION**	**QTY**	**UNIT**	**RATE (GH¢)**	**AMOUNT(GH¢)**
	SUMMARY				
A	PRELIMS				
B	ACHIANO TOILET				
C	SEPTIC TANK				
	TOTAL FOR ACHIANO TOILET				

COMPLETION OF THE ASEMPANEYE TOILET

ITEM	DESCRIPTION	Q'TY	UNIT	RATE	AMOUNT
1	**BILL NO.1: GENERAL ITEMS AND PRELIMNARIES** **Bank Guarantee/Bonds** Allow for providing the following Bank Guarantees/Bonds ✓ Performance Bond/Guarantee for Works ✓ Performance Bond/Guarantee for Environmental, Social, Health and Safety		Item Item		
2	**Insurance** Allow for providing all necessary insurances including the following: ✓ Loss or damage incidental to manufacture or acquisition, transportation, storage and delivery. ✓ Insurance of the works ✓ Injury to persons or damage to properties at the ✓ Third party Insurance ✓ Any other insurance necessary for the performance of the contract.		Item		
3	**Project Sign Post** The Contractor is to allow for providing on the site one (1) signboard size 1200mm x 3000mm overall in a position and of a designed and layout be approved by the consultant per site		item		
4	**Record Keeping** Allow provision of Site Visitor's, Site Instructions and Daily Record Book; showing labour, equipment and materials delivered and used on site.		Item		
5	**Temporary Fencing and Gates** Allowing for providing all necessary fencing and gates and other provisions as shall be necessary for the protection of the public and occupants of adjoining property, for the proper execution of the Works, for the prevention of trespass and injury for the preservation of existing structures Allowing for providing all necessary fencing and gates and or other		Item		
6	**Temporary Shelters for Workmen** The Contractor shall provide, erect and maintain shelters for the use of the workmen, furnished with tables, benches, etc. as may be reasonably required by the workmen for the preparation and consumption of their meals together with an adequate supply of clean drinking water		Item		
7	**Temporary Stores** Allow for providing and maintaining proper sheds for the storage and protection of materials etc. and other work that may be brought or executed at the site and remove on completion. Sheds for the storage of cement is to have floor raised from the ground (NB :TO RENT)		Item		
	Setting out of the works				

8	Allow for setting out of the works in accordance with the Conditions of Contract.		Item		
9	**Water for the Works** Allow for providing the whole of the water required for the execution of the works including that required by Sub-Contractors including paying all fees and charges in connection and clear away on completion.		Item		
	TO COLLECTION 1				
10	**Testing Materials** The contractor will be required to carry out tests of materials on site to prepare, pack and dispatch materials and goods to a nominated Testing Laboratory when instructed to do so by the Consultant or Engineer, and he should allow here for all cost in connection therewith including making concrete test cubes excluding only the charge of the Laboratory for testing materials which are not found to be faulty		Item		
11	**Personal Protective Equipment:** The Contractor shall provide all site operatives with protective clothing such as Helmet, Reflectors, Jackets, protective footwear, Gloves, Goggles, Nose Marks, Ear Plugs, Fire Extinguishers to protect such operatives from head and foot injury. The Contractor shall also provide all visitors to the site including resident construction professionals with protective clothing such as hard hat and		Item		
12	**First Aid Equipment** The Contractor shall provide adequate first aid equipment which shall be available for the use of the workmen during working hours.		Item		
13	**COVID-19 Management** The Contractor shall provide adequate COVID-19 management equipment and facilities (i.e. infra-red thermometer guns, alcohol based sanitizers and nose marks where needed) which shall be available for the use of the workmen during working hours and keep records of all workers on daily basis in a register.		Item		
14	**Latrines** The Contractor shall provide adequate latrine accommodation in a position approved by the Consultant and shall keep same in a clean and sanitary condition to the satisfaction of the Public Health Authorities. The Contractor shall cause such latrines and soil to be cleared away necessary and make good all work disturbed by the conveniences.		Item		
	Site Meetings				

15	The Contractor shall in consultation with the Consultant arrange for monthly progress meetings which shall be attended by representatives of all Nominated Sub-Contractors/Suppliers engaged on the works. (and required by him/her to be present) to co-ordinate progress and ensure that the programme is met in all aspects (4 times).		Item		
16	**Progress Photographs:** The Contractor shall allow for supply four (4) soft copies of progress photographs taken at agreed specific locations per month to the Project Manager throughout the term of the contract.		Item		
17	**Records of Grievances/Complaints, Incident/Accident, Weather Data and Workers Employed** The Contractor shall furnish the Consultant with statements showing the number of grievances/complaints received, incidents/accidents recorded, weather data (temperature, rainfall days etc) and workers employed on site.		Item		
	TO COLLECTION 2				

18	**Clear Away Rubbish** All shavings, cuttings and other rubbish as it accumulates from time to time during the progress of the works and at completion, including that of Sub-Contractors and special tradesmen is to be cleared and carted away and all materials condemned by the consultant or his representative to be removed.		Item		
19	**Tree Planting** The contractor shall procure, plant and maintain a minimun 10 trees or above at each site until the end of defects liability period.		Item		
	TO COLLECTION 3 **COLLECTION:** Collection 1/1 Collection 1/2 Collection 1/3				
	BILL NO.1 - GENERAL ITEMS AND PRELIMINARIES **To General Summary**				

COMPLETION OF THE ASEMPANEYE TOILET

ITEM	DESCRIPTION	QTY	UNIT	RATE (GH¢)	AMOUNT(GH¢)
	EXISTING SITE/ BUILDINGS/ SERVICES				
	Demolition/Alteration works/cleaning/ clearing works				
	Carefully demolish the following, dispose as specified. (storage for employer shall be at Assembly stores) and make good all works disturbed;				
A	Inspect and repair leakages in roof covering, treat with roof leak adhersive		Item		
B	Remove 12 x 50mm hardwood ceiling battens and dispose		Item		
C	Ditto partly rotten ceiling cards do (Aprox. 47m2)		Item		
D	General cleaning works of the interior including removal and disposal of faecal matter and sanitizing the interior before work begins		Item		
E	Clear site of overgrown vegetation and dispose, cut down trees and the like and gather and burn		Item		
	TOTAL C/F				

COMPLETION OF THE ASEMPANEYE TOILET

ITEM	DESCRIPTION	QTY	UNIT	RATE (GH¢)	AMOUNT(GH¢)
	NEW/MAIN WORKS				
	Plain In-situ Concete				
	Place in-situ concrete (1:3:6-38mm aggregate as described in.				
A	steps	3	m^3		
B	Ramp	4	m^3		
	Formwork				
C	Formwork to sides of steps	15	m2		
D	Ditto in ramp	21	m2		
	CONCRETE WORKS				
	Carried to Summary				
	F-MASONRY				
	F10 BRICK/BLOCK WALLING				
E	125mm thick solid sandcrete blockwork; jointed in cement and sand mortar (1:4) in stretcher bond in steps and ramp	31	m^2		
	BRICK/BLOCK WALLING				
	Carried to Summary				
	CARPENTRY & JOINERY				
	whrought hardwood				
F	Ceiling battens	22	m		
G	Allow for fixing of panel doors	12	m		
	CARPENTRY & JOINERY				
	Carried to Summary				
	SURFACE FINISHING				
	Plasterwork and Other In-situ Finishings				
	25mm thick cement and sand (1:4) rendering to:				
H	steps and ramps	25	m^2		
	Tile finishings				
	Floor tiles				
J	300 x 300 x10mm Ceramic floor tiling fixed with an approved adhesive and pointed in white cement on	5	m^2		
	Wall tiles				
K	200 x 400 x10 ceramic wall tiles fixed with an approved adhesive in washrooms	56	m^2		
	Carried Forward				

COMPLETION OF THE ASEMPANEYE TOILET

ITEM	DESCRIPTION	QTY	UNIT	RATE (GH¢)	AMOUNT(GH¢)
	B/F				
	Plywood				
A	6mm thick plywood ceiling cards nailed to soffit of hardwood including barge	47	m²		
	PLASTERING AND OTHER FINISHINGS Carried to Summary				
	METAL WORKS				
	Metal Louvre Carriers				
B	Install a pair of 8-clip metal louvre carriers	3	No.		
	METAL WORKS Carried to Summary				
	GLAZING				
C	clear/opaque sheet glass louvre blade cut into sizes and fix with clips to match	16	nr		
	GLAZING Carried to Summary				
	PAINTING				
	Painting and Decorating				
	Prepare and apply three (3) coats of emusion paint(leyland) on:				
D	Wall surfaces	223	m²		
E	Ceilings	85	m²		
	Knot, Prime, Stop prepare and apply two (2) undercoat and one (1) finishing coat as leyland				
F	General wood surface (doors)	67	m²		
G	frames	34	m²		
H	Fascia	29	m²		
	PAINTING AND DECORATION Carried to Summary				

ITEM	ACTIVITY DESCRIPTION	QTY	UNIT	RATE (GH₵)	AMOUNT (GH₵)
	Y. MECHANICAL AND ELECTRICAL SERVICES				
	PLUMBING SERVICES				
	Pipelines				
	Pipework Installations				
A	PVC Pipes, straight, 18mm Diameter with solvent joints, fixed and laid in trenches	56	m		
B	Ditto chases in walls	23	m		
C	PVC Pipes, straight, 25mm Diameter with solvent joints, fixed and laid in chases	87	m		
	Extra over PVC pipes for ;				
D	Allow for items extra-over pipes **(Ghc5000.00)** and installation of polytanks on concrete roof top		item		
	Total carried forward				

COMPLETION OF THE ASEMPANEYE TOILET

ITEM	ACTIVITY DESCRIPTION	QTY	UNIT	RATE (GH₵)	AMOUNT (GH₵)
	PLUMBING SERVICES			*Total B/F*	
	Pipeline Ancillaries				
	Pipework Ancillaries, 12mm Dia brass type high pressure, screwed down type, fixed with solvent joints to PVC pipes as;				
A	Bib taps	2	nr		
B	stop valves	5	nr		
	Sundry Common Mechanical items (Plumbing)				
C	Prepare drawings on the locations of sanitary appliances, pipelines and fittings 'as built' prints, 4 copies showing details of builder's work, operational guidelines and handover to Head of Works for O&M **(GHC3000.00)**		Item		
	Sanitary Appliances/ fittings				
	Provide and install the following Sanitary Appliances as "Twyford" or "Armitage", cost to include assembling and jointing together:-				
D	Low level white vitreous china WC suite complete comprising bowl with "P" with plastic hinged seat cover, 9 litre cistern, brackets and flush pipe, plugging and screwing bowl to floor and cistern brackets to blockwork	6	nr		
E	600 x 450mm white vitreous china lavatory basin with 31mm diameter waste fitting, plug, chain, stay and 12mm diameter chromium plated pillar tap and pair of painted cast iron cantilever brackets plugged and screwed to to wall	8	nr		
F	Chromium plated toilet roll holder plugged and screwed to wall	10	nr		
G	Chromium plated towel rail plugged and screwed to wall	2	nr		
H	Mirror, 600mm x 450mm fixed with brackets to wall	4	nr		
	N15. Signs/Notices				
J	Allow a Prime Cost Sum for work in labelling of project at specified location and other identification **(GHC2500.00)**		PC		
K	Allow a Prime Cost Sum for providing and installing guard rails in Disability toilets **(GHC5000.00)**		PC		
	PLUMBING SERVICES				
	Carried to Summary				

ITEM	ACTIVITY DESCRIPTION	QTY	UNIT	RATE (GH₵)	AMOUNT (GH₵)
	Y. MECHANICAL AND ELECTRICAL SERVICES				
	ELECTRICAL SERVICES				
	Extension of Electricity				
A	Allow a provisional sum of **GHC40,000.00** for extension and installation of ECG lighting system (Material schedule shall be received before certification for work)		item		
	ELECTRICAL SERVICES				
	Carried to Summary				
	IRONMONGERY				
	P. BUILDING FABRIC SUNDRIES				
	P21. Doors/ Window Ironmongery				
B	Pair 100mm Heavy-duty Brass Butt Hinges	10	nr		
C	100mm barrel bolt	10	nr		
D	45mm backset with 85mm centre-to-centre **Mortice Lock** with set of Stainless Steel U-Shaped lever handles and 50mm diameter escutcheons as "Union" or approved equal (Sample available for inspection)	11	nr		
	IRONMONGERY				
	Carried to Summary				
	MECHANIZED BOREHOLE				
A	Allow a provisional sum of **GHC30,000.00** for redevelopment and installation of 1.5HP submersible pump with all accessories to match (Material schedule shall be received before certification for work)		item		
	MECHANIZED BOREHOLE				
	Carried to Summary				

COMPLETION OF THE ASEMPANEYE TOILET

ITEM	DESCRIPTION	QTY	UNIT	RATE (GH¢)	AMOUNT(GH¢)
	SUMMARY				
A	DEMOLITION & ALTERATION WORKS				
B	CONCRETE WORKS				
C	BLOCK WORK				
D	CARPENTRY AND JOINERY				
E	IRONMONGERY				
F	PLASTERING AND OTHER FINISHINGS				
G	METAL WORKS				
H	GLAZING				
J	PAINTING AND DECORATION				
K	PLUMBING SERVICES				
L	ELECTRICAL INSTALLATIONS				
M	MECHANIZED BOREHOLE				
	NEW/MAIN WORKS				
	Carried to Summary				

ITEM	DESCRIPTION	Measd. QTY	UNIT	RATE(GH¢)	AMOUNT(GH¢)
	BILL NO.4				
	EXTERNAL WORKS				
	Septic Tank Size 6000 X 2000 X 3000mm				
A	Excavate pit to form septic tank commencing at strip level and not exceeding 3m maximum depth including in necessary backfilling and disposal	52	M³		
B	Extra over for excavating in rocks/soft soil	11	M³		
C	225mm thick in-situ mass concrete (1:3:6) in base slab	4	M³		
D	150mm thick blockwork in 1:4 mortar mix	82	M²		
E	25mm thick cement sand mortar 1:4 mix plastering to blockwork surfaces	92	M²		
F	30mm thick screeding to base and suspended slab	19	M²		
G	Reinforced concrete (1:2:4) 150mm thick suspended slab	4	M³		
	Formwork Sawn Hardwood form work to:				
J	Sides of cover slabs	17	M		
K	Sides of suspended slab	26	M		
L	Soffit of suspended slab	19	m2		
	Reinforcement Deformed Mild Steel *Bars:*				
M	12mm Diameter in main suspended slab	384	Kg		
P	100mm diameter PVC vent pipe and cap	3	No.		
	To Collection 1			C/F	

ITEM	DESCRIPTION	Measd. QTY	UNIT	RATE(GH¢)	AMOUNT(GH¢)
	EXTERNAL WORKS CONT'D.				
	Inspection chamber				
	Excavate and construct inspection chamber with 100mm thick in-situ concrete (1:6 all in -aggregate thick solid sandcrete block wall rendered both sides complete with necessary benching and minimum internal dimension of:				
A	600 x 600 x 600mm adjacent to building	3	No.		
B	Ditto isolated to building	2	No.		
C	Precast concrete (1:6) nspection chamber cover 850 x 850 x 100mm thick with steel mesh reinforcement 12mm diameter at 150mm centres both-ways and 200 x 12mm diameter rods each bent 4 times and cast in concrete as lifting handles all as laid in place in cement and sand mortar (1:4)	3	No.		
D	100mm diameter PVC pipe in trench including all necessary excavation and backfilling	20	M		
E	30mm thick cement-sand screed (1:6) on concrete pit base	16	M²		
F	Allow for the construction of 1200mm diametar and 1200 depth soak-way pit	2	nr		
	To Collection 2				
	SEPTIC TANK COLLECTION				
	COLLECTION 1				
	COLLECTION 2				
	SEPTIC TANK CARRIED TO GEN. SUMMARY				

COMPLETION OF THE ASEMPANEYE TOILET					
ITEM	**DESCRIPTION**	**QTY**	**UNIT**	**RATE (GH¢)**	**AMOUNT(GH¢)**
	SUMMARY				
A	PRELIMS				
B	ASEMPANEYE TOILET				
C	SEPTIC TANK				
	TOTAL FOR ASEMPANEYE TOILET				

COMPLETION OF THE BEREKU TOILET

ITEM	DESCRIPTION	Q'TY	UNIT	RATE	AMOUNT
1	**BILL NO.1: GENERAL ITEMS AND PRELIMNARIES Bank Guarantee/Bonds** Allow for providing the following Bank Guarantees/Bonds ✓ Performance Bond/Guarantee for Works ✓ Performance Bond/Guarantee for Environmental, Social, Health and Safety		Item Item		
2	**Insurance** Allow for providing all necessary insurances including the following: ✓ Loss or damage incidental to manufacture or acquisition, transportation, storage and delivery. ✓ Insurance of the works ✓ Injury to persons or damage to properties at the site ✓ Third party Insurance ✓ Any other insurance necessary for the performance of the contract.		Item		
3	**Project Sign Post** The Contractor is to allow for providing on the site one (1) signboard size 1200mm x 3000mm overall in a position and of a designed and layout be approved by the consultant per site		item		
4	**Record Keeping** Allow provision of Site Visitor's, Site Instructions and Daily Record Book; showing labour, equipment and materials delivered and used on site.		Item		
5	**Temporary Fencing and Gates** Allowing for providing all necessary fencing and gates and other provisions as shall be necessary for the protection of the public and occupants of adjoining property, for the proper execution of the Works, for the prevention of trespass and injury for the preservation of existing structures Allowing for providing all necessary fencing and gates and or other authority and clear away on completion.		Item		
6	**Temporary Shelters for Workmen** The Contractor shall provide, erect and maintain shelters for the use of the workmen, furnished with tables, benches, etc. as may be reasonably required by the workmen for the preparation and consumption of their meals together with an adequate supply of clean drinking water		Item		
7	**Temporary Stores** Allow for providing and maintaining proper sheds for the storage and protection of materials etc. and other work that may be brought or executed at the site and remove on completion. Sheds for the storage of cement is to have floor raised from the ground (NB ;TO		Item		

	COLLECTION 1				

COMPLETION OF THE BEREKU TOILET

ITE	DESCRIPTION	Q'TY	UNIT	RATE	AMOUNT
8	**Setting out of the works** Allow for setting out of the works in accordance with the Conditions of Contract.		Item		
9	**Water for the Works** Allow for providing the whole of the water required for the execution of the works including that required by Sub-Contractors including paying all fees and charges in connection and clear away on completion.		Item		
10	**Testing Materials** The contractor will be required to carry out tests of materials on site to prepare, pack and dispatch materials and goods to a nominated Testing Laboratory when instructed to do so by the Consultant or Engineer, and he should allow here for all cost in connection therewith including making concrete test cubes excluding only the charge of the Laboratory for testing materials which are not found to be faulty		Item		
11	**Personal Protective Equipment:** The Contractor shall provide all site operatives with protective clothing such as Helmet, Reflectors, Jackets, protective footwear, Gloves, Goggles, Nose Marks, Ear Plugs, Fire Extinguishers to protect such operatives from head and foot injury. The Contractor shall also provide all visitors to the site including resident construction professionals with protective clothing such as hard hat and safety boots and insist on their		Item		
12	**First Aid Equipment** The Contractor shall provide adequate first aid equipment which shall be available for the use of the workmen during working hours.		Item		
13	**COVID-19 Management** The Contractor shall provide adequate COVID-19 management equipment and facilities (i.e. infra-red thermometer guns, alcohol based sanitizers and nose marks where needed) which shall be available for the use of the workmen during working hours and keep records of all workers on daily basis in a register.		Item		
14	**Latrines** The Contractor shall provide adequate latrine accommodation in a position approved by the Consultant and shall keep same in a clean and sanitary condition to the satisfaction of the Public Health Authorities. The Contractor shall cause such latrines and soil to be cleared away whenever necessary and make good all work disturbed by the conveniences.		Item		

	TO COLLECTION 2				

COMPLETION OF THE BEREKU TOILET

ITE	DESCRIPTION	Q'TY	UNIT	RATE	AMOUNT
15	**Site Meetings** The Contractor shall in consultation with the Consultant arrange for monthly progress meetings which shall be attended by representatives of all Nominated Sub-Contractors/Suppliers engaged on the works. (and required by him/her to be present) to co-ordinate progress and ensure that the programme is met in all aspects (4 times).		Item		
16	**Progress Photographs:** The Contractor shall allow for supply four (4) soft copies of progress photographs taken at agreed specific locations per month to the Project Manager throughout the term of the contract.		Item		
17	**Records of Grievances/Complaints, Incident/Accident, Weather Data and Workers Employed** The Contractor shall furnish the Consultant with statements showing the number of grievances/complaints received, incidents/accidents recorded, weather data (temperature, rainfall days etc) and workers employed on site		Item		
18	**Clear Away Rubbish** All shavings, cuttings and other rubbish as it accumulates from time to time during the progress of the works and at completion, including that of Sub-Contractors and special tradesmen is to be cleared and carted awav and all materials condemned by the consultant or his representative to be removed.		Item		
19	**Tree Planting** The contractor shall procure, plant and maintain a minimun 10 trees or above at each site until the end of defects liability period. **TO COLLECTION 3** **COLLECTION:** Collection 1/3 Collection 2/3 Collection 3/3		Item		
	BILL NO.1 - GENERAL ITEMS AND PRELIMINARIES **To General Summary**				

COMPLETION OF THE BEREKU TOILET

ITEM	DESCRIPTION	QTY	UNIT	RATE (GH¢)	AMOUNT(GH¢)
	EXISTING SITE/ BUILDINGS/ SERVICES **Demolition/Alteration works/cleaning/ clearing works** *Carefully demolish the following, dispose as specified. (storage for employer shall be at Assembly stores) and make good all works disturbed;*				
A	Inspect and repair leakages in roof covering, treat with roof plaster		Item		
B	Remove 12 x 50mm hardwood ceiling & window battens and dispose		Item		
C	Ditto partly rotten ceiling cards do (Aprox. 35m2)		Item		
D	General cleaning works of the interior and disinfect		Item		
E	Clear site of vegetation and dispose, cut down trees and the like		Item		
F	Demolish blockwork in steps and dispose		item		
G	Remove mosquito nets and dispose		item		
H	Remove rotten fascia and dispose		item		
	TOTAL C/F				

COMPLETION OF THE BEREKU TOILET

ITEM	DESCRIPTION	QTY	UNIT	RATE (GH¢)	AMOUNT(GH¢)
	NEW/MAIN WORKS				
	Plain In-situ Concete				
	Place in-situ concrete (1:3:6-38mm aggregate as described in:				
A	steps	2	m^3		
B	Apron	2	m^3		
	Formwork				
C	Formwork to sides of steps	5	m2		
D	Ditto in Apron	6	m2		
	CONCRETE WORKS				
	Carried to Summary				
	F-MASONRY				
	F10 BRICK/BLOCK WALLING				
E	125mm thick solid sandcrete blockwork; jointed in cement and sand mortar (1:4) in stretcher bond in steps and ramp	5	m^2		
	BRICK/BLOCK WALLING				
	Carried to Summary				
	CARPENTRY & JOINERY				
	whrought hardwood				
F	Ceiling/Window battens	92	m		
	Panel doors				
G	Provide and fix 800mm x 2050mm panel doors	2	nr		
H	Ditto 750mm x 2050mm panel doors	9	nr		
J	Ditto 1000mm x 2050mm panel doors	2	nr		
K	Ditto 400mm x 2050mm panel doors	2	nr		
L	Door frames	11	m		
M	Fascia 25mm x 225mm	20	m		
N	Mosquito net to windows	9	m^2		
P	Door stops	66	m		
	CARPENTRY & JOINERY				
	Carried to Summary				

COMPLETION OF THE BEREKU TOILET

ITEM	DESCRIPTION	QTY	UNIT	RATE (GH¢)	AMOUNT(GH¢)
	SURFACE FINISHING				
	Plasterwork and Other In-situ Finishings				
	25mm thick cement and sand (1:4) rendering to:				
A	steps and Apron	10	m²		
B	Ditto internal finishings as backing	160	m²		
	Floor Screed				
	50mm thick cement and sand (1:4) screeding to:				
C	Floors	46	m²		
D	Ditto 38mm thick	66	m²		
	Tile finishings				
	Floor tiles				
E	300 x 300 x10mm Ceramic floor tiling fixed with an approved adhessive and pointed in white cement on screeded bed	46	m²		
	Wall tiles				
F	200 x 400 x10 ceramic wall tiles fixed with an approved adhessive in washrooms	160	m²		
	Plywood				
G	6mm thick plywood ceiling cards nailed to soffit of hardwood including barge	35	m²		
	PLASTERING AND OTHER FINISHINGS Carried to Summary				
	METAL WORKS				
	Metal Louvre Carriers				
H	Install a pair of 8-clip metal louvre carriers	2	No.		
	METAL WORKS Carried to Summary				
	GLAZING				
J	Clear/opaque sheet glass louvre blade cut into sizes and fix with clips to match	16	nr		
	GLAZING Carried to Summary				

COMPLETION OF THE BEREKU TOILET

ITEM	DESCRIPTION	QTY	UNIT	RATE (GH¢)	AMOUNT(GH¢)
	PAINTING				
	Painting and Decorating				
	Prepare and apply three (3) coats of emusion paint(leyland) on:				
D	Wall surfaces	195	m²		
E	Ceilings	78	m²		
	Knot, Prime, Stop prepare and apply two (2) undercoat and one (1) finishing coat as leyland				
F	General wood surface (doors)	56	m²		
G	frames	27	m²		
H	Fascia	21	m²		
	PAINTING AND DECORATION Carried to Summary				

COMPLETION OF THE BEREKU TOILET

ITEM	ACTIVITY DESCRIPTION	QTY	UNIT	RATE (GH₵)	AMOUNT (GH₵)
	Y. MECHANICAL AND ELECTRICAL SERVICES				
	PLUMBING SERVICES				
	Pipelines				
	Pipework Installations				
A	PVC Pipes, straight, 18mm Diameter with solvent joints, fixed and laid in trenches	24	m		
B	Ditto chases in walls	3	m		
C	PVC Pipes, straight, 25mm Diameter with solvent joints, fixed and laid in chases	42	m		
	Extra over PVC pipes for ;				
D	Allow for items extra-over pipes **(Ghc3000.00)** and installation of polytanks on concrete roof top		item		
	Pipeline Ancillaries				
	Pipework Ancillaries, 12mm Dia brass type high pressure, screwed down type, fixed with solvent joints to PVC pipes as;				
E	Bib taps	2	nr		
F	stop valves	5	nr		
	Water storage Tanks				
G	Supply and install 1000 litres capacity water storage tanks	2	nr		
	Total carried forward				

COMPLETION OF THE BEREKU TOILET

ITEM	ACTIVITY DESCRIPTION	QTY	UNIT	RATE (GH₵)	AMOUNT (GH₵)
	PLUMBING SERVICES			*Total B/F*	
	Sundry Common Mechanical items (Plumbing)				
A	Prepare drawings on the locations of sanitary appliances, pipelines and fittings 'as built' prints, 4 copies showing details of builder's work, operational guidelines and handover to Head of Works for O&M **(GHC5000.00)**		Item		
	Sanitary Appliances/ fittings				
	Provide and install the following Sanitary Appliances as "Twyford" or "Armitage", cost to include assembling and jointing together:-				
B	Low level white vitreous china WC suite complete comprising bowl with "P" with plastic hinged seat cover, 9 litre cistern, brackets and flush pipe, plugging and screwing bowl to floor and cistern brackets to blockwork	2	nr		
C	Squatting slab toilets, ceramic and white glazed	8	nr		
D	600 x 450mm white vitreous china lavatory basin with 31mm diameter waste fitting, plug, chain, stay and 12mm diameter chromium plated pillar tap and pair of painted cast iron cantilever brackets plugged and screwed to to wall	8	nr		
E	Chromium plated toilet roll holder plugged and screwed to wall	10	nr		
F	Chromium plated towel rail plugged and screwed to wall	4	nr		
G	Mirror, 600mm x 450mm fixed with brackets to wall	4	nr		
	N15. Signs/Notices				
H	Allow a Prime Cost Sum for work in labelling of project at specified location and other identification **(GHC2000.00)**		PC		
J	Allow a Prime Cost Sum for providing and installing guard rails in Disability toilets **(GHC2000.00)**		PC		
	PLUMBING SERVICES				
	Carried to Summary				

COMPLETION OF THE BEREKU TOILET

ITEM	ACTIVITY DESCRIPTION	QTY	UNIT	RATE (GH₵)	AMOUNT (GH₵)
	Y. MECHANICAL AND ELECTRICAL				
	ELECTRICAL SERVICES				
	Extension of Electricity				
A	Allow a provisional sum of **GHC30,000.00** for extension and installation of ECG lighting system including meter (Material schedule shall be received before certification for work)		item		
	ELECTRICAL SERVICES				
	Carried to Summary				
	IRONMONGERY				
	P. BUILDING FABRIC SUNDRIES				
	P21. Doors/ Window Ironmongery				
B	Pair 100mm Heavy-duty Brass Butt Hinges	13	nr		
C	100mm barrel bolt	14	nr		
D	45mm backset with 85mm centre-to-centre **Mortice Lock** with set of Stainless Steel U-Shaped lever handles and 50mm diameter escutcheons as "Union" or approved equal (Sample available for inspection)	11	nr		
	IRONMONGERY				
	Carried to Summary				
	MECHANIZED BOREHOLE				
E	Allow a provisional sum of **GHC50,000.00** for the complete Drilling and installation of 1.5HP submersible pump borehole and mechanization (Material schedule shall be received before certification for work)		item		
	MECHANIZED BOREHOLE				
	Carried to Summary				

COMPLETION OF THE BEREKU TOILET

ITEM	DESCRIPTION	QTY	UNIT	RATE (GH¢)	AMOUNT(GH¢)
	SUMMARY				
A	EXISTING SITE/ BUILDINGS/ SERVICES				
B	CONCRETE WORKS				
C	BLOCK WORK				
D	CARPENTRY AND JOINERY				
E	IRONMONGERY				
F	PLASTERING AND OTHER FINISHINGS				
G	METAL WORKS				
H	GLAZING				
J	PAINTING AND DECORATION				
K	PLUMBING SERVICES				
L	ELECTRICAL INSTALLATIONS				
M	MECHANIZATION OF BOREHOLE				
	NEW/MAIN WORKS				
	Carried to Summary				

ITEM	DESCRIPTION	Measd. QTY	UNIT	RATE(GH¢)	AMOUNT(GH¢)
	BILL NO.4				
	EXTERNAL WORKS				
	Septic Tank Size 6000 X 2000 X 3000mm				
A	Excavate pit to form septic tank commencing at strip level and not exceeding 3m maximum depth including in necessary backfilling and disposal	52	M³		
B	Extra over for excavating in rocks/soft soil	11	M³		
C	225mm thick in-situ mass concrete (1:3:6) in base slab	4	M³		
D	150mm thick blockwork in 1:4 mortar mix	82	M²		
E	25mm thick cement sand mortar 1:4 mix plastering to blockwork surfaces	92	M²		
F	30mm thick screeding to base and suspended slab	19	M²		
G	Reinforced concrete (1:2:4) 150mm thick suspended slab	4	M³		
	Formwork Sawn Hardwood form work to:				
J	Sides of cover slabs	17	M		
K	Sides of suspended slab	26	M		
L	Soffit of suspended slab	19	m2		
	Reinforcement Deformed Mild Steel *Bars:*				
M	12mm Diameter in main suspended slab	384	Kg		
P	100mm diameter PVC vent pipe and cap	3	No.		
	To Collection 1			C/F	

ITEM	DESCRIPTION	Measd. QTY	UNIT	RATE(GH¢)	AMOUNT(GH¢)
	EXTERNAL WORKS CONT'D.				
	Inspection chamber				
	Excavate and construct inspection chamber with 100mm thick in-situ concrete (1:6 all in -aggregate thick solid sandcrete block wall rendered both sides complete with necessary benching and minimum internal dimension of:				
A	600 x 600 x 600mm adjacent to building	3	No.		
B	Ditto isolated to building	2	No.		
C	Precast concrete (1:6) nspection chamber cover 850 x 850 x 100mm thick with steel mesh reinforcement 12mm diameter at 150mm centres both-ways and 200 x 12mm diameter rods each bent 4 times and cast in concrete as lifting handles all as laid in place in cement and sand mortar (1:4)	3	No.		
D	100mm diameter PVC pipe in trench including all necessary excavation and backfilling	20	M		
E	30mm thick cement-sand screed (1:6) on concrete pit base	16	M²		
F	Allow for the construction of 1200mm diametar and 1200 depth soak-way pit	2	nr		
	To Collection 2				
	SEPTIC TANK COLLECTION				
	COLLECTION 1				
	COLLECTION 2				
	SEPTIC TANK CARRIED TO GEN. SUMMARY				

COMPLETION OF THE ASEMPANEYE TOILET					
ITEM	**DESCRIPTION**	**QTY**	**UNIT**	**RATE (GH¢)**	**AMOUNT(GH¢)**
	SUMMARY				
A	PRELIMS				
B	BEREKU TOILET				
C	SEPTIC TANK				
	TOTAL FOR BEREKU TOILET				

COMPLETION OF THE ACHIANO, ASEMPANEYE AND BEREKU PUBLIC TOILETS					
ITEM	**DESCRIPTION**	**QTY**	**UNIT**	**RATE (GH₵)**	**AMOUNT(GH₵)**
	GENERAL SUMMARY				
1	ACHIANO TOILET				
2	ASEMPANEYE TOILET				
3	BEREKU TOILET				
	SUB-TOTAL 1				
	ADD FOR CONTINGENCIES		5%		
	ESTIMATED COST OF WORK				