

# **COST ESTIMATE**

**Project Name:** Construction of Food Science Laboratory

**Project Location:** Arnos Vale

**Date:** 12th November, 2015

Item	Elemental Description	QTY	UNIT	RATE	TOTAL
<b>1.00</b>	<b>SUBSTRUCTURE</b>				
1.01	Strip site of all vegetable matter	447	SY		
1.02	Excavation for strips and column footings	562	CY		
1.03	Level and ram bottom of foundations	234	SY		
1.04	Disposal of excavated material	255	CY		
1.05	Termite treatment to bottom and sides of excavation, and hardcore surfaces	643.5	SY		
1.06	Concrete strip and column footings, columns and blinding	96	CY		
1.07	Reinforcement to strip and column footings and columns	19100	LBS		
1.08	Formwork to sides of strip and column footings and columns	257	SY		
1.09	Blockwork, 8" thick including all cavities filled with concrete and reinf with 1/2" bars @ 24" c/c and 5/8" bars at intersections	481	SY		
1.10	Reinforced concrete ground floor slab 5" thick, including walkway	54	CY		
1.11	A142 fabric reinf. in ground floor slab	382	SY		
1.12	Backfilling to make up levels, with selected excavated material	382	CY		
1.13	Hardcore material well compacted in 2 layers	128	CY		
1.14	Damp proof membrane	382	SY		
<b>2.00</b>	<b>FRAME</b>				
2.01	Concrete columns	17	CY		
2.02	Concrete beams	35	CY		
2.03	Reinforcement to columns	3132	LBS		
2.04	Reinforcement to beams	6815	LBS		
2.05	Formwork to columns	166	SY		
2.06	Formwork to beams	323	SY		
<b>3.00</b>	<b>UPPER FLOORS</b>				

3.01	Concrete suspended floors	40	CY	
3.02	Reinforcement to suspended floors	7819	LBS	
3.03	Formwork to suspended floors	260	SY	<hr/>
4.00	<b>ROOF</b>			
4.01	Concrete roofs	5.5	CY	
4.02	Reinforcement to concrete roof	1019	LBS	
4.03	Formwork to concrete roofs	35	SY	
4.04	Waterproofing to concrete roofs	35	SY	
4.05	Main roof framing consisting of 1" x 2" galvanize channel/purlins, 6" x 12.5# galvanized I-Beams @3' c/c attached to 8" x 18.4# galvanized I-Beam ridge	300	SY	
4.06	Timber wallplates, rafters, battens and fascias	78	SY	
4.07	5/8" T1-11plywood roof boarding	78	SY	
4.08	24 gauge U Panel roof sheeting etc.	377	SY	
4.09	Hurricane straps & bolts	1	SUM	
4.10	Rainwater installation	106	LY	
4.11	Painting to underside of roof structure	78	SY	<hr/>

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#### 5.00 EXTERNAL & INTERNAL WALLS

5.01	8" thick blockwalls incl. reinf. and filling cavities	859	SY	
5.02	RC lintel incl. f/wk and reinf.	115	LY	
5.03	RC ring beam incl. f/wk and reinf.	140	LY	<hr/>

#### 6.00 WINDOWS AND DOORS

6.01	Horizontal sliding windows (6'2" x 3'0" in 2 bays)	3	NO.	
6.02	Horizontal sliding windows (8'2" x 3'0" in 2 bays)	4	NO.	
6.03	Horizontal sliding windows (9'4" x 3'0" in 3 bays)	4	NO.	
6.04	Horizontal sliding windows (3'0" x 3'0" in 2 bays)	6	NO.	
6.05	Horizontal sliding windows (4'0" x 3'0")	1	NO.	
6.06	Horizontal sliding windows (3'0" x 4'0")	3	NO.	
6.07	Sash windows (2'0" x 4'0")	1	NO.	
6.08	Sash windows (2'0" x 2'0")	8	NO.	
6.09	Awning windows (9'4" x 3'0" in 3 bays)	3	NO.	
6.10	Awning windows (3'0" x 4'0")	1	NO.	
6.11	Aluminum framed fixed glass w/louvers above (7'10" x 4'2" in 3 bays)	3	NO.	

6.12	Aluminum framed fixed glass w/louvers above (13'2" x 4'2" in 5 bays)	2	NO.	
6.13	Glass blocks (3'0" x 3'0")	1	NO.	
6.14	Timber paneled partition door (11'2" x 8'9" in 4 leaves)	1	NO.	
6.15	Timber paneled door w/ glazed center panel (3'0" x 6'8")	7	NO.	
6.16	Timber paneled door (2'8" x 6'8")	4	NO.	
6.17	Timber paneled door (3'0" x 6'8")	3	NO.	
6.18	Metal door w/ glazing including metal framing (2'8" x 6'8" in 2 leaves)	1	NO.	
6.19	Metal door w/ glazing including metal framing (5'4" x 6'8" in 2 leaves)	1	NO.	
6.20	Metal door w/ glazing including metal framing (4'8" x 6'8" in 2 leaves)	1	NO.	
6.21	Ironmongery	18	NO.	
6.22	Painting	101	SY	
6.23	Burglar bars to windows	80	SY	
6.24	Roll up shutters to external doors	1	SUM	
<b>7.00 WALL FINISHES</b>				
7.01	Render to walls and concrete surfaces	1749	SY	
7.02	Ceramic wall tiles (EC\$ 5.00 per square foot)	1	SUM	
7.03	Painting	2098.8	SY	
<b>8.00 FLOOR FINISHES</b>				
8.01	Screeding floors	642	SY	
8.02	Ceramic floor tiles (EC\$ 5.00 per square foot)	642	SY	
<b>9.00 CEILING FINISHES</b>				
9.01	Grid ceiling with moisture resistant tiles	445	SY	
<b>10.00 FURNITURE AND EQUIPMENT</b>				
10.01	Allow a sum for the pod unit	1	SUM	
10.02	Vanity Unit	1	SUM	
10.03	Locker Units in changing room and prep area	1	SUM	
10.04	Shelving for storage unit	1	SUM	
10.05	Furniture for classrooms and offices	1	SUM	
10.06	Appliances	1	SUM	
<b>11.00 CONCRETE RAILINGS</b>				
		105	LY	
<b>12.00 DECORATIVE COLUMNS (in balcony area)</b>				
		36	NO.	
<b>13.00 CONCRETE STEPS AND STAIRCASE</b>				
		2	NO.	

Item	Elemental Description	QTY	UNIT	RATE	TOTAL
14.00	ELEVATOR SHAFT & ELEVATOR	1	SUM		<hr/>
15.00	ELECTRICAL INSTALLATION, FIRE ALARM SYSTEM, SECURTY ALARM SYSTEM, COMMUNICATION				<hr/>
16.00	PLUMBING INSTALLATION (hot & cold)				<hr/>
17.00	EXTERNAL WORKS				
17.01	Septic tank and soak away				
17.02	Manholes including pipe work				
17.03	4No. 1000 gal. water tanks on concrete roof				
17.04	Landscaping				<hr/>
18.00	PRELIMINARIES				
TOTAL AMOUNT			EURO		<hr/> <hr/>