ITEM	DESCRIPTION	QTY	UNIT	RATE GH (¢)	AMOUNT GH (¢)
BILL 13	**CONSTRUCTION OF A PROPOSED MECHANIZED BOLEHOLE WATER TANK SUPPORT**				
	MEASURED WORKS				
	D - GROUNDWORK				
	D20 Excavation and filling				
A	Clear site of all bushes, shrubs, undergrowth and grub up all roots and remove from site.	32	m²		
B	Excavate oversite average 150mm deep to remove top soil and other vegetable matter, load up and wheel and deposit in spoil heaps where	32	m²		
C	Excavate pits; maximun depth not exceeding 2.00m deep commencing 0.15m below existing ground level	5	m³		
D	Disposal of excavated material off site	4	m³		
E	Filling to excavation, material arising from excavation	5	m³		
	GROUNDWORK ***Carried to Summary***				
	E - IN SITU CONCRETE/LARGE PRECAST CONCRETE				
	E 10 In situ concrete				
F	Plain in situ concrete(1:4:8 - 40mm aggregates) in blinding, 50mm thick	1	m²		
G	Plain in situ concrete (1:2:4 - 40mm aggregates) in slab 150mm thick	2	m³		
H	Reinforced in situ concrete (1:2:4 - 20mm aggregates) in columns bases	2	m³		
J	Reinforced in situ concrete (1:2:4 - 20mm aggregates) in footing columns	1	m³		
K	Reinforced in situ concrete (1:2:4 - 20mm aggregates) in isolated and in rising columns	1	m³		
L	Ditto, (1:2:4 - 20mm aggregates) in tie / suspender beam	2	m³		
M	Sawn formwork to edges of slab 150mm high	12	m		
N	Sawn formwork to botton of slab	11	m		
P	Vertical sides of **column bases** and **footing** columns	8	m²		
Q	Vertical sides of **rising** columns	18	m²		
R	Ditto, to sides and soffit in tie / suspender beam	22	m²		

	E 30 Reinforcement for insitu concrete				
A	16mm diameter; mild steel reinforcement; in **column bases footing** and **rising** columns	458	kg		
B	10mm diameter; links in malt column bases footing and rising columns	63	kg		
C	16mm diameter; mild steel reinforcement; in beam	177	kg		
D	10mm diameter; links in beam	59	kg		
E	16mm diameter; mild steel reinforcement; in tie beam	73	kg		
F	10mm diameter links in beam	100	kg		
G	12mm diameter; mild steel reinforcement; in slab	294	kg		
	IN SITU CONCRETE/LARGE PRECAST CONCRETE ***Carried to Summary***				
	F - MASONRY				
	F 10 Brick/Block walling				
H	150mm thick sandcrete blockwork; in cement and sand mortar (1:7) in	3	m²		
	MASONRY ***Carried to Summary***				
	M: SURFACE FINISHES				
	M20: PLASTERED/RENDERED/ROUGHCAST COATING				
	Mortar, cement and sand (1:3); steel trowelled				
J	12mm thick rendering with 1:6 cement/sand mortar on concrete colums and beams width not exceeding 300mm	28	m²		
K	Ditto wall	6	m²		
L	Ditto to slab side	6	m²		
M	300 x 300 floor tiles	2	m²		
N	250x400mm wall Tiles	6	m²		
	Bed And Backing				
P	45mm thick cement and sand (1:3) as bed for floor tiles	2	m²		
Q	Ditto 38mm wall Finish	6	m²		
	PLASTERED/RENDERED/ROUGHCAST COATING TO SUMMARY				
	M60: PAINTING/CLEAR FINISHING				
	Prepare and apply three coats of coral acrylic paint on:				

A	Rendered columns/beams	28	m²		
B	Ditto to slab side	6	m²		
	PAINTING/CLEAR FINISHING **Carried to Summary**				
	Metal work				
C	50mm galv pipe post	35	m		
D	25mm galv pipe post	13	m		
	Metal works ***Carried to Summary***				
	SUMMARY				
	GROUNDWORK				
	IN SITU CONCRETE/LARGE PRECAST CONCRETE				
	MASONRY				
	PLASTERED/RENDERED/ROUGHCAST COATING				
	PAINTING/CLEAR FINISHING				
	METAL WORKS				
BILL 13	**SUB-TOTAL**				