BILL No. 1 – PRELIMINARIES AND GENERAL CONDITIONS OF CONTRACT

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	CONTRACTUAL REQUIREMENTS				
A	Performance Security				
B	Environmental safeguard		item		
	SPECIFIC REQUIREMENTS				
	Geo- physics				
C	Allow a provisional sum of **GHc 20,000.00** for geophysical survey prior to drilling of wells		item		
	Safety, Health and Welfare				
D	Allow for safety, health and welfare of the people (**First Aid**)	Item	sum		
	Transport				
E	Allow for transport for work-people				
	Water for the Works				
F	Include for providing the whole of the water required for execution of the works				
	Watching and Protecting				
G	The Contractor from time of being placed in possession must include for watching light and protecting the works				
H	Remove for removing rubbish from time to time as may be directed to leave the work clean on completion				
	Agent / Foreman In - charge				
J	Include for the provision for establishment and maintenance of temporary site office and store				
	CARRIED FORWARD 1				**0.00**

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
A	**Setting-out of the Works** Allow for providing all necessary stakes, templates, rods, instruments and the like for the proper setting-out and execution of the works and make such available to the Consultant for necessary checking				-
B	**Progress photographs** Provide one set of progress photographs to the Consultant each month during the duration of the Works. Each set of photograph shall consist of at least four (4) photographs taken from different vantage points on the site				
C	**Project Sign Board** The Contractor is to allow for providing a timber or wooden board size 1.20m x 1.20m overall, mounted on 2No 2x4 Hard Wood of total height 2.8m (of which 0.6m will be buried in ground) in 2 prominent position on the Site bearing the title of the Project, the names of the Employer and Consultant and such other information as the Consultant may direct	1	No	0	
D	**Testing Materials** Including the Provisional Sum of Five Hundred Ghana Cedis (Gh¢ 500.00) for Testing Materials and Tester's cost in respect of Testing Materials	Item	sum		
	Carried to Collection				
	Page 1				
	Page 2				
	Total				
	BILL NO. 1: GENERAL CONDITIONS AND PRELIMINARIES CARRIED TO GENERAL SUMMARY				
	2				

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	DRILLING AND MECHANIZATION OF 1NO. BOREHOLE				
1	**Mobilization and Demobilization**				
1.1	Mobilization per borehole		Sum		
1.2	Mounting and Dismounting		Sum		
1.3	Sitting per borehole		Sum		
2	**Movement**				
2.1	Movement between site	25	km		-
3	**Borehole Drilling to a finished Diameter of 125mm**				
3.1	Drilling through overburden and highly weathered rock	70	m		-
3.2	Drilling through partially weathered to fresh crystalline,….Rock	70	m		-
4	**BOREHOLE CONSTRUCTION**				
4.1	Supply and install PVC Plain pipes with centralizers to a finished diameter of 125mm	70	m		-
4.2	Supply and install PVC slotted pipes with centralizers to a finished	60	m		-
4.3	Supply and place 2-4mm gravels, packed as design	80	m		-
4.4	Supply, Cement Mix and place grout seal above gravel	6	m		-
4.5	Backfill annulus space above grout seal as in design	80	m		-
4.6	Supply, cement mix and plate grout seal above backfill as sanitry grout seal as in design	8	m		-

	TO COLLECTION				-
	BOREHOLE CONSTRUCTION CONT'D				
4.7	Supply of bail plug 126/ 140 mm	1	Item		-
4.8	Supply of suitable safty Cap	1	Item		-
5	**BOREHOLE DEVELOPMENT**				
5a	Including any appropriate borehole development methodology	80	m		-
	PUMPING TEST				
5b	Supply, install and remove equipment for carrying out pumping test	6	hrs		-
5c	Conduct minimum 6hr constant rate discharge test on and pump	6	hrs		-
6	**WATER QUALITY TEST**				
6a	Take, label and store sample of water from borehole for analysis	1	I/s		-
6b	Carry out physico-chemical analysis as specified	1	I/s		-
6c	Carry out bacteriological analysis as specified	1	I/s		-
7	**BOREHOLE CAPPING/ BAIL PLUG**				
7a	Supply and fix suitable cap on borehole	1	I/s		-
7b	Supply and fix bail plug on bottom as in design	1	I/s		-
	PUMP INSTALLATION				
8a	Include a provisioanl sum of Three Thousand, five hundred Ghana cedis (GHC 3,500.00) for the supply and installation 1.5HP of submersible Pump				
	COLLECTION				**-**
	COLLECTION				
	Page 2				-
	Page 3				-

	DRILLING OF BOREHOLE FITTED WITH PUMP				-
ITEM	**DESCRIPTION**	**QTY**	**UNIT**	**RATE**	**AMOUNT(c)**
	CONCRETE HIGH LEVEL STAND				
	Excavation and Earthwork				
A	Excavate pit for column bases not exceeding 1.5m deep commencing at stripped level	2	Cm		-
B	Backfill with selected excavated material around walls of foundation	1	Cm		-
C	Remove surplus excavated material from site	1	Cm		-
	Concretework Plain in-situ concrete (1:4:8 - 38mm agg) in				
D	50mm thick blinding layer	1	SM		-
	Reinforced in-situ vibrated Concrete (1:2:4-19mmagg) in:				
E	Column Base	2	Cm		-
F	Columns	2	Cm		-
G	Blockwork	65	m2		-
H	150mm thick oversite concrete slab	5	cm	-	-
	Reinforcement Mild steel round bar Reinfocement to BS 4449 as described in:				
J	16mm Diameter in column bases	57	Kg		-
K	16mm Diameter in column	90	Kg		-
L	16mm Diameter in beams	85	Kg	-	-
M	10mm Diameter bars as stirrups in beams and collumns	91	Kg	-	-
N	12mm Diameter in suspended slab	129	Kg	-	-
	Formwork Sawn formwork to				
P	Vertical sides of column	13	Sm		-
Q	blockwork	8	SM		-
R	150mm thick oversite concrete slab	11	SM		-
S	Edges of slab	13	M		-

	COLLECTION				-
	ELECTRICITY CONNECTION				
A	Include a provisional sum of Five Thousand Ghana cedis (GHC 5,000.00) for the connection of electricity		SUM		
B	Allow a provisional sum of seven Thousand Ghana (GHC 7,000.00) for the supply and installation of 4000 Ltr capacity polytank				
	PLUMBING WORKS				
C	Include a provisional sum of Four Thousand Ghana cedis (GHC 4,000.00) for plumbing installation				
	TO COLLECTION				**-**
	COLLECTION				
	PAGE 5				-
	PAGE 6				-
	OVERHEAD TANK				-

ITEM	DESCRIPTION	QTY	UNIT	RATE	AMOUNT
	GENERAL SUMMARY				
	PRELIMINARIES				0.00
	DRILLING OF BOREHOLE				-
	OVERHEAD TANK				-
	SUB-TOTAL				**-**
	DRILLING & MECHANIZATON OF BOREHOLE AND OVERHEAD STAND	10	NO.		-