

Bill of Quantities (BoQ) for the Construction of Water Kiosks in Greater Monrovia _Various Locations

Item No.	Description				
	Preamble:				
	The contractor shall allow in his/her pricing of the unit cost the below and inclusive of the execution of the terms of general conditions of the contract documents;				
	Health and Safety and Environmental best practices and as a minimal comply with UNOPS Health and Safety, and Environmental Management Plans and other general conditions as stated in draft contract documents				
	Site security and protection throughout the implementation to date of handover to client				
	provide PPE for all workrs and Maintain a first aid attendant and first aid kit at site all time, dedicated health and safety person competent of the duties required at site throughout the implmentation, produce safety reports, and training				
	Maintain site clean throughout the implmentation				
	SUB-STRUCTURE:	Unit	QTY	Unit Price (\$US)	Total Price (\$US)
1.0	PRELIMINARY WORKS				
1.1	Allow a provisional sum for Mobilization and Site Preparation (to include: temporary hoarding, site utility, and site protection and health and safety and site cleaning complinace)	L/S	1.00		
	Sub-total (Preliminary Works)				
	SUBSTRUCTURE				
2.0	Layout, Excavation and Backfilling				
2.1	Excavate in all type of soil to a depth not less than 3'- 0" for column footings (3'-0" x 3'-0"), wall footing (2' wide), 1'-6" depth for stairs and concrete platform, 8' for curb as per dwg. (Final measurement on site)	CY	9.14		
2.2	Use excavated material free of deleterious/unwanted material for backfilling footings to ground level after columns have been cast and compact using a vibrating plate compactor	CY	8.22		
2.3	Fill foundation (1'-6" from grade) with hardcore or sand and compact using a vibrating plate compactor	CY	2.00		
	Sub-total(Profiling, Excavation & Backfilling)				
3.0	Concrete Works for Foundation				
3.1	Supply materials and cast 12" thick plain concrete for column footings and wall footing using mix ratio 1:2:3 as per the drawings and details	CY	2.43		
3.2	Supply materials and cast short columns (6"x 6") at maximum 3'-10" height as shown on detail. Use 1:2:3 mix ratio	CY	0.16		
3.3	Supply materials and cast concrete in 5" thick ground slab. Spray under concrete with termite protection and place polythene under slab before casting - Use 1:2:3 mix	CY	0.71		
3.4	Provide Form work needed for ground slab, and short columns	SY	4.50		
	Sub-total (Mass Concrete)				
4.0	Masonry Works				
4.1	Provide & install 6" masonry blocks for substructure walls using 1" thick mortar for laying - Use 1:3 mix	SY	9.41		
	Sub-total (Masonry Works)				
5.0	Foundation Reinforcement (use deformed bars)				
5.1	Provide and install 4-1/2"Ø deformed bars in column footings at 9.5" o/c both ways, and 4-1/2"Ø deformed bars in short columns @ 6'-0" height. Allow for tie wire	LB	155.17		

5.2	Ditto - 3/8"Ø as rebars in wall footing, and stirrup (@ 6" o/c) for short columns	LB	78.28		
	Sub-total (Reinforcement)				
	SUPERSTRUCTURE				
6.0	Concrete Works				
6.1	Supply materials & cast concrete in upper columns (6" x 6") @ 7'-8" height, beams (6" x 8"), concrete platform and curb (2" x 11") - Use 1:2:3 mix	CY	3.31		
6.2	Provide Form work needed for columns, beams, curb and platform	SY	18.78		
	Sub-total (Concrete Works)				
7.0	Masonry Works				
7.1	Provide & install 6" masonry blocks for superstructure walls using 1" thick mortar for laying - Use 1:3 mix	SY	19.11		
	Sub-total (Masonry Works)				
8.0	Reinforcement (use deformed bars)				
8.1	Provide and install 4-1/2"Ø deformed bars in long columns @ 17'-6" high. Allow for tie wire	LB	64.75		
8.2	Ditto - 4-3/8"Ø deformed bars for beams	LB	42.60		
8.3	Ditto - 3/8"Ø deformed bars for platform	LB	48.26		
8.4	Ditto - 3/8"Ø stirrup @ 6" o/c for long columns	LB	61.18		
8.5	Ditto - 3/8"Ø stirrup @ 12" o/c for beams	LB	27.13		
	Sub-total (Reinforcement)				
9.0	Roof Installation (all wood/timber should be season dry)				
9.1	Provide and install 28 Gauge Galvanized corrugated roofing sheets (including nails & washers) as to manufacturers recommendations and drawing.	SY	20.31		
9.2	Ditto - 2" x 6" x 14' timbers as rafters for all roof segments @ sapcing specified in the drawings	LF	40.00		
9.3	Ditto - 2" x 2" x 14' timbers as purlins @ sapcing specified in the drawings	LF	72.00		
9.4	Ditto - 1" x 8" x 14' dressed planks as fascia board	LF	48.00		
9.5	Apply double coat of carboline to all roofing & ceiling members before installation	L/S	0.25		
9.6	Allow for assorted wire and steel nails for roof framing ranging from 3" to 4" appropriate sizes recommended; 2Nos- M12 Bolt, 2Nos - 3' x 3' x 1/8" L-Cleat, 3ft long; and concrete to fix rafter in wall or beam	L/S	0.25		
	Supply and installed coletex ceiling board as ceiling to the outside eaves of the water kiosk	SY	11.00		
	Sub-total (Roof Installation)				
10.0	Doors and Windows				
10.1	Provide & install Steel Door (3'-0" x 7'-0") made of 1-1/2 angle line and 1/4" steel sheet with hardware complete (6-turn Moon Lock - Abus brand, hinges, handle)	No.	1.00		
10.2	Ditto - Steel double casement Window (3'-0" x 5'-3") made of 1-1/2 angle line and 1/4" steel shree with hardware complete (Moon Lock - Abus brand, hinges, handle) as per drawings including protective bulgular bars	No.	2.00		
	Sub-total (Doors & Windows)				
11.0	Plumbing Works				
11.1	Allow for a provisional sum for the provision of 3/4" dia. uPVC pipes (max. 25ft), 1" dia. uPVC pipes (max. 17ft), 3/4" uPVC gate valves (6Nos), Stainless steel water faucet or approved equivalent- (6Nos faucet per kiosk), fittings, glue for installation of water supply lines in kiosks	L/S	1.00		
11.2	Allow for a provisional sum for the supply and instalation of water service line connection to nearest LWSC's water supply point, to th water kiosks including construction of chamfer pits for housing main valve & meter (apprxom. 500ft length of pipe per kiosk) including Allow for a provisional sum for testing and commisioning (hydraulic pressure & leakage tests, disinfection and cleaning) of water kiosks to be executed by LWSC	L/S	1.00	600.00	

11.3	Supply and installation of 1no. 1000gals Ploytank water storage including connecting and piping and concrete support	No.	1.00		
12.0	Electrical Works				
12.1	Allow for a provisional sum for the Supply and install Lighting Global certified "pico-solar home system (<100W)", with minimum three (3) - Lighting points, 2 Mobile phone charging point, two socket outlet or Similar grade.	No.	1.00	500.00	
	Sub-total (Electrical Works)				
13.0	Finishes (Wall plastering and floor & wall tiling)				
13.1	Provide materials and plaster all interior and exterior masonry walls, and sides of stairs with 1/2" thick mortar. Use 1:3 mx ratio.	SY	40.29		
13.2	Provide and install 12" x 12" Ceramic tiles on entire floor area of building, including platform top surfaces). Tiles should be installed on cement-sand mortar base and white cement placed properly at every joint. Use 1:3 mix for mortar	SY	6.81		
13.3	Ditto - 8" x 12" ceramic tiles on all sides of platform. Tiles should be installed on cement-sand mortar base and white cement placed properly at every joint. Use 1:3 mix for mortar	SY	2.94		
13.4	Provide materials and fill ground areas, as specified in the drawings, with crushed stones @ 3" height	CY	0.82		
	Sub-total Finishes (Wall and Floor Works)				
14.0	Painting Works				
14.1	Provide and apply 2 coats of enamel paint to fascia board, rafter and purlins	SY	16.56		
14.2	Ditto - 2 coats of enamel paint and 1 coat of anti-rust paint as under coat to steel doors and windows	SY	11.12		
14.3	Ditto - 2 coats of enamel paint (on 1 coat primer) to all exterior walls and sides of stairs	SY	22.32		
14.4	Ditto - 2 coats of semi-gloss emulsion paint (on 1 coat primer) to all interior walls/ surfaces	SY	17.97		
	Sub-total Finishes (Painting Works)				
15.0	Special Works				
15.1	Allow a provisional sum for the supply and installation Supply and install of Wooden counters insdie water kiosks 1"x10"x14' hardwood properly dressed for shelf in water kiosks. Use 1/2" angle and properly fastern to wall and properly painted to approved color.Shelf should not be more than 4 level or as directed by Cities Allaince engineer AND include provision of 1no wooden Chair for kiosk attendant.	L/S	1.00	120.00	
15.2	Allow a pprovisional sum for Branding/visibility of the Kiosk with partners logos and inscription to be provided by Cities Alliance	L/S	1.00	150.00	
	Sub-total (Special Works)				
	Quoted Price for Construction of 1no. Water Kiosk				
	Number of Water Kiosks proposed for Construction	30.00	Kiosks		
	Total Price Quoted for Construction of 30no. Water Kiosks			USD	-
Note: 1. Transfer Total Price Quoted n this BOQ to RETURNABLE BID SCHEDULE 1 FORM OF BID as proposed contract price 2. Attached completed BoQ (this document) to RETURNABLE BID SCHEDULE 3 BILL OF QUANTITIES in PDF as part of the bidder submission Duly sign by the Contractor's Representative as per the Contract: Returnable Schedule 5					
ITB Case No.: _____ Name of bidder: _____ Date: _____ Signature: _____					
			Stamp:		