

Guyana Energy Agency

Project: Construction of Carport at LOT 2- Mahaicony Technical and Vocational Training Centre, Region 5

Summary of Bills

Bill No.	Description	Amount (\$)
1	Preliminaries	
2	Sub- Structure	
3	Superstructure	
	Sub-total	
	<u>Contingencies</u> Add 10% contingencies	
	Total GYD Estimated	

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Bill No. 1 - Preliminaries

Item	Description	Unit	Quantity	Rate (\$)	Amount(\$)
1.1	Works for this project is not limited to normal working hours. This is to be considered by the contractor when pricing the Bill of Quantities. Allow for Mobilization and demobilization	Sum			
1.2	Allow for providing Performance Bond. Bond to be valid until the issue of the Final Certificate.	Sum			
1.3	Allow for insurance of the works, materials, construction plant and for damage to property or person.	Sum			
1.4	Allow for the removal of temporary facilities, rubbish, debris and surplus materials as they accumulate and at the completion of the work to the satisfaction of the engineer.	Sum			
1.5	Allow for the protection to the immediate surroundings of the site. Construction traffic should be kept to a minimum. Also allow for the protection of the all existing infrastructure and the works during the construction period. All damages to existing infrastructure or the works due to the execution of the works will have to be rectified by the contractor to the satisfaction of the client.	Sum			
1.6	The Contractor shall comply with the requirements of Occupational health and safety regulations and ensure that his workforce and any other persons engaged on the works also comply with their requirements. The Contractor shall provide all warning signs, barricades, screens, construction nets, signages, caution tape, safety helmets, jackets, boots, safety harness etc. in adequate quantities as necessary. Safety gears must be worn at all times.	Sum			
1.7	Allow for provision of security of the works and entirety from the date of site possession to the date of acceptance of works by the Client.	Sum			
1.8	Allow for provision of potable water, lighting, plants, tools and equipment for the execution of the works.	Sum			
Total Bill No. 1 - Carried to Summary					

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Bill No. 2 - Sub- Structure

Item No.	Description of Work	Unit	Qty	Rate (\$)	Amount (\$)
2	Sub- Structure Pad foundation to hold columns in place - 2' length x 2' width x 8" thick pad and Pad foundation to hold diagonal members in place - 4' length x 2' width x 2' thick pad placement of 5/8" x 18" Anchor Bolts & nuts as directed by the Engineer				
2a.	Carport Foundation				
	Excavation and Earthworks				
2a.1	Excavate foundation footing not exceeding 38" deep.	Cu.yd	7		
	Sand filling				
2a.2	Fill and compact 10" thk. white sand to bottom of pad foundation.	Cu.yd	2.5		
	Blinding (1:6 mix)				
2a.3	Place 2" thick blinding upon compacted white sand to accommodate pad foundation.	Sq.yd	4		
	Corrugated Steel reinforcement in foundation pad				
2a.4	Place 1/2" dia main steel bars at 5" crs inclusive of laps and ties to 8" pad	lbs.	107		
2a.5	Place 1/2" dia main steel bars at 5" & 8" crs inclusive of laps and ties to 24" Pad	lbs.	384		
	Place Structural concrete 4200 psi at 28 days, using 3/4 minus stones to:				
2a.6	24" Pad foundation.	Cu.yd	2		
	8" Pad foundation	Cu.yd	0.3		
	Formwork				
2a.7	Provide vertical rough finish to sides of foundation pads and slab.	Sq.yd	10		
	Carport Parking Slab				
2b	Construction of Reinforced Concrete Base to house solar shed: Base Dimensions - 25ft 9 7/16 inch length x 15ft 8 5/8 inch width.				
	Excavation and Earthworks				
2b.1	Excavate foundation footing not exceeding 12" deep.	Cu.yd	15		
	Sand filling				
2b.2	Fill and compact 6" thk. white sand to bottom of excavated area allowing a firm bed for blinding.	Cu.yd	8		
	Blinding (1:6 mix)				
2b.3	Place 2" thick blinding upon compacted white sand to accommodate pad foundation and rc slab.	Sq.yd	43		
	Mild Steel reinforcement in slab:				
2b.4	Supply and place BRC # 65 fabric to the slab, inclusive of laps.	Sq.yd	43		
	Place Structural concrete 4000 psi at 28 days, using 3/4 minus stones to:				
2b.5	4" thk floor slab.	Cu.yd	5		
	Formwork				
2b.6	Provide vertical rough finish to sides of foundation pads and slab.	Sq.yd	5		
2b.7	Supply and install DPM to bottom of concrete slab and foundation	Sq.yd	65		
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Bill No. 3- Superstructure

Item No.	Description of Work	Unit	Qty	Rate (\$)	Amount (\$)
3	Superstructure Columns in place - 8" length x 8" width x 8'1" height to Pad foundation to hold diagonal 4"x4"x1/4" hallow section rafter inclusive if bolts, nuts and base plate				
	Columns Steel reinforcement in foundation pad				
3.1	Place 1/2" dia main steel bars corrgated at 4" crs inclusive of laps and ties.	lbs.	170		
3.2	Place 1/4" dia mild steel Stirrups at 8" crs inclusive of laps and ties.	lbs.	20		
	Place Structural concrete 4200 psi at 28 days, using 3/4 minus stones to:				
3.3	8" x 8" Column	Cu.yd	2		
	Formwork				
3.4	Provide vertical fair finish to sides of Column.	Sq.yd	8		
	STRUCTURAL STEEL				
	Framing and fabrication; including shop and site bolts, nuts and washers for structural framing to structural framing connections, welded connections, base plates surface preparation and treatment with anti corrosive paint. Steel grade to be ASTM A572 grade 50 or equivalent. Weldable steel, as specified				
	Ton = 2000 lbs				
	Columns				
3.5	8"x4"x1/4" hallow section	tons	0.55		
	Rafters				
3.6	4"x4"x1/4" hallow section inclusive of welded 4" angle section to receive purlins	tons	0.5		
	Purlins				
3.7	6" galvanized purlins 2.5mm	tons	0.600		
	Total Carried to Summary				