

GUYANA SHORE BASE INC.(GYSBI)

CONSTRUCTION OF WASH BUND, MAINTENANCE WORKSHOP COMPOUND, PLOT 7, GIE

BILLS OF QUANTITIES

**CONSTRUCTION OF WASH BUND, MAINTENANCE WORKSHOP COMPOUND, PLOT 7, GIE
GRAND SUMMARY**

Ref	Description	G\$
	<u>DETAILS OF GRAND SUMMARY</u>	
1	BILL NO.1 - PRELIMINARIES	
2	BILL NO.2 - WASH BUND SLAB	
3	BILL NO.3 - OIL/ GRIT SEPARATOR	
4	BILL NO.4 - SPLASH SCREEN	
	Sub-Total Grand Summary	
	Contingency (5%)	
	TOTAL CONSTRUCTION COST OF PROJECT	

**CONSTRUCTION OF WASH BUND, MAINTENANCE WORKSHOP COMPOUND, PLOT 7, GIE
BILL NO.1 - PRELIMINARIES**

Ref	Description	Unit	Amount										
	A10- PROJECT PARTICULARS												
	NAME OF PROJECT												
1.1	"The Project" shall be called - Construction of Wash Bund, Maintenance Workshop, Plot 7, GIE.												
	NATURE OF PROJECT												
1.2	The works outlined in this Project comprised of the earthworks and the construction of reinforced concrete wash bund, effluent disposal system and splash screen.												
	LOCATION OF PROJECT												
1.3	The Project is located at Plot 7, GIE, Guyana Shore Base, McDoom, EBD.												
	"Client" shall mean -												
1.4	Guyana Shore Base Inc (GYSBI) Houston E.B.D												
	A11 TENDER AND CONTRACT DOCUMENTS												
	LIST OF DRAWINGS												
1.5	The undernoted drawings which were used in the preparation of the Bills of Quantities will form part of the Tender Documents.												
	<table border="0"> <tr> <td>Drawing No.</td> <td>Description</td> </tr> <tr> <td>P7WB-A-01</td> <td>SITE PLAN</td> </tr> <tr> <td>P7WB-A-02</td> <td>WASH BUND AND SLAB</td> </tr> <tr> <td>P7WB-A-03</td> <td>EFFLUENT DISPOSAL SYSTEM</td> </tr> <tr> <td>P7WB-A-04</td> <td>TYPICAL SPLASH SCREEN AND OIL/ WATER SEPARATOR SLAB</td> </tr> </table>	Drawing No.	Description	P7WB-A-01	SITE PLAN	P7WB-A-02	WASH BUND AND SLAB	P7WB-A-03	EFFLUENT DISPOSAL SYSTEM	P7WB-A-04	TYPICAL SPLASH SCREEN AND OIL/ WATER SEPARATOR SLAB		
Drawing No.	Description												
P7WB-A-01	SITE PLAN												
P7WB-A-02	WASH BUND AND SLAB												
P7WB-A-03	EFFLUENT DISPOSAL SYSTEM												
P7WB-A-04	TYPICAL SPLASH SCREEN AND OIL/ WATER SEPARATOR SLAB												
	EXISTING BUILDINGS ON OR ADJACENT TO SITE												
1.6	The Contractor is deemed to have visited the Site prior to his Tender submission to ascertain to his satisfaction, the existing nature of the Site and existing buildings and structures and take every precautions to minimize the effects of the Works on existing buildings and services.	-	-										
	METHOD OF MEASUREMENT												
1.7	The Bills of Quantities have been prepared generally in accordance with the Standard Method of Measurement of Building works 7th Edition Revised 1998 incorporating amendments 1+2+3 issued by the Royal Institution of Chartered Surveyors	-	-										
	A13 DESCRIPTION OF WORKS												
1.8	The Works comprise of the excavation and reinforced concrete works for the construction of a wash bund; 18.441m x 4.877m, and zinc clad splash screen; 2.438m high x 36.700m long.	-	-										
	A30 EMPLOYER'S REQUIREMENTS: TENDERING/ SUB-LETTING/ SUPPLY												
1.9	PRICING OF BILLS: Alterations and qualifications to Bills of Quantities must not be made without the written consent of the Engineer. Costs relating to items which are not priced will be deemed to have been included elsewhere in the Bills of Quantities.	-	-										
	Page Total (GUY\$) Carried to Collection BN1-1		\$ -										

**CONSTRUCTION OF WASH BUND, MAINTENANCE WORKSHOP COMPOUND, PLOT 7, GIE
BILL NO.1 - PRELIMINARIES**

Ref	Description	Unit	Amount
1.10	Allow for the provision of the following insurances for the duration of the project: Contractor's All Risk - Coverage \$22,000,000 Company Liability - Coverage \$11,000,000 Public Liability - Coverage \$11,000,000	Fixed Charge	
1.11	Allow for providing Mobilization Advance Bond ; for the duration of the project, by an approved surety. Coverage 15% of Contract Sum .	Fixed Charge	
1.12	Allow for providing Performance Bond ; for the duration of the project, by an approved surety. Coverage 10% of Contract Sum .	Fixed Charge	
A32 EMPLOYER'S REQUIREMENTS: MANAGEMENT OF THE WORKS			
1.14	The Contractor shall provide a dedicated (full time) QHSSE Inspector for the duration of the project. The Officer shall have a minimum of 3 years experience with projects of a similar nature. A signed CV shall be submitted as part of the Tender Documents.	Fixed Charge	
Project Engineer's Site Meeting:			
1.15	<ul style="list-style-type: none"> The Project Engineer will hold regular site meeting to review progress and other matters arising from the administration of the Contract. Meetings will be held as agreed by both parties. Ensure the availability of accommodation at the time of such meetings. Attend all meetings and inform subcontractors and suppliers when their presence is required. The Project Engineer will chair the meetings and take and distribute minutes. 	-	-
A33 EMPLOYER'S REQUIREMENTS QUALITY STANDARDS/CONTROL			
Good Practice:			
1.16	Where and to the extent that materials, products and workmanship are not fully detailed or specified, they are to be: <ul style="list-style-type: none"> Of a standard appropriate to the Works and suitable for the functions stated in or reasonably to be inferred from the project documents, and In accordance with good building practice. 	-	-
General Quality of Products:			
1.17	<ul style="list-style-type: none"> Products to be new unless otherwise specified. Where a choice of manufacturer or source of supply is allowed for any particular product, the whole quantity required to complete the work must be of the same type, manufacture and/or source unless otherwise approved. Produce written evidence of sources of supply when requested by the Project Engineer. Ensure that the whole quantity of each product required to complete the work is of consistent kind, size, quality and overall appearance. Where consistency of appearance is desirable ensure consistency of supply from the same source. Unless otherwise approved do not use different colour batches where they can be seen together. If products are prone to deterioration or have a limited shelf life, order in suitable quantities to a programme and use in appropriate sequence. Do not use if there are any signs of deterioration, setting or other unsatisfactory condition. 	-	-
Page Total (GUY\$)			
Carried to Collection			
BN1-2			

**CONSTRUCTION OF WASH BUND, MAINTENANCE WORKSHOP COMPOUND, PLOT 7, GIE
BILL NO.1 - PRELIMINARIES**

Ref	Description	Unit	Amount
1.18	<p>Work At or After Completion; Generally:</p> <ul style="list-style-type: none"> • Make good all damage consequent upon the work. • Remove all temporary markings, coverings and protective wrappings unless otherwise instructed. • Clean the works thoroughly inside and out including all accessible ducts and voids, remove all splashes, deposits, efflorescence, rubbish and surplus materials consequent upon the execution of the work. • Cleaning materials and methods to be as recommended by manufacturers of products being cleaned, and to be such that there is no damage or disfigurement to other materials or construction. • Touch up minor faults in newly painted/repainted work, carefully matching colour, and brushing out edges. Repaint badly marked areas back to suitable breaks or junctions. • Adjust, ease and lubricate moving parts of new work as necessary to ensure easy and efficient operation, including doors, windows, drawers, ironmongery, appliances, valves and controls. 	-	-
1.19	<p>Approvals:</p> <p>Where and to the extent that products or work are specified to be approved or the Project Engineer instructs or requires that they are to approved, the same must be supplied and executed to comply with all other requirements and in respect of the stated or implied characteristics either:</p> <ul style="list-style-type: none"> • To the express approval of the Project Engineer or • To match a sample expressly approved by the Project Engineer as a standard for the purpose. 	-	-
1.20	<p>Material Testing:</p> <p>Allow for compaction tests, inclusive of Laboratory Standard Proctor Testing and in-situ moisture content and maximum dry density testing of compacted clay, sandfill, white sand/sand clay and granular materials in accordance with ASTM D698 and with Section 508 in the Technical Specifications; 1No. test on every 30 m² of material placed as directed by the Engineer. (Provisional Quantity: 6)</p>	Fixed Charge	
1.21	<p>Allow for the cost in connection with preparation and testing of concrete inclusive of slump tests and compressive strength testing (Provisional Quantity: 24) for all concrete works; 6No. cubes per batch at an approved laboratory in accordance with ASTM C39 and as directed by the Engineer.</p>	Fixed Charge	
1.22	<p>A34 EMPLOYER'S REQUIREMENTS: SECURITY/ SAFETY/ PROTECTION</p> <p>Protect Against the Following:</p> <p>Pollution:</p> <p>Take all reasonable precautions to prevent pollution of the site, the Works and the general environment including streams and waterways. If pollution occurs, inform the appropriate Authorities and the Project Engineer without delay and provide them with all relevant information.</p>	-	-
	<p>Page Total (GUY\$) Carried to Collection BN1-3</p>		

**CONSTRUCTION OF WASH BUND, MAINTENANCE WORKSHOP COMPOUND, PLOT 7, GIE
BILL NO.1 - PRELIMINARIES**

Ref	Description	Unit	Amount
1.23	<p>Waste:</p> <ul style="list-style-type: none"> Remove rubbish, debris, surplus material and spoil regularly and keep the site and Works clean and tidy. Remove all rubbish, dirt and residues from voids and cavities in the construction before closing in. <p>Protect the Following:</p> <p>Work in All Sections:</p>	-	-
1.24	<p>Adequately protect all types of work and all parts of the Works, including work carried out by others, throughout the Contract. Wherever work is of an especially vulnerable nature or is exposed to abnormal risks provide special protection to ensure that damage does not occur.</p> <p>Existing Services:</p> <ul style="list-style-type: none"> Notify all service authorities and/or adjacent owners of the proposed works not less than one week before commencing site operations. 	-	-
1.25	<ul style="list-style-type: none"> Before starting work check positions of existing services. Where positions are not shown on drawings obtain relevant details from service authorities or other owners. Adequately protect, and prevent damage to all services. Do not interfere with their operation without consent of the service authorities or other owners. <p>A35 EMPLOYER'S REQUIREMENTS: SPECIFIC LIMITATIONS ON METHOD/ SEQUENCE/ TIMING/ USE OF SITE</p>	-	-
1.26	<p>Programme: Within 3 days of delivery of the Letter of Acceptance, the Contractor shall provide the Project Engineer in an approved form a master programme for the Works, in accordance with the Technical Specifications.</p>	-	-
1.27	<p>Site Access: All personnel require the company's approval for acces to the site. Contractor's Personnel requiring access shall request access via https://visit.gysbi.gy/register.</p>	-	-
1.28	<p>Induction Training: Before the execution of any works on the company's property, the Contractor's employees shall attend an induction training for intended to inform the Contractor's employess of GYSBI's QHSSE policies. The training exercise will be conducted over a period one (1) day.</p>	-	-
1.29	<p>Start of Work: No work activity shall commence without a Permit to Work (PTW) issued by the Base Manager/ Area Authority as applicable. PTW applications are to be submitted a minimum of 24 hours prior to the commencement of the shift.</p>	-	-
1.30	<p>Working Hours: The Site is available to the Contractor on a 24 hours basis for the execution of project related activities. In the event that work hours will be disrupted by the Client, adequate notice to the Contractor will be provided, with the exception of emergency/ high priority interruptions.</p>	-	-
	<p>A36 FACILITIES/TEMPORARY WORKS/SERVICES</p>		
1.31	<p>Locations: Inform Project Engineer of the intended siting of all spoil heaps, temporary works and services.</p>	-	-
	<p>Page Total (GUY\$) Carried to Collection BN1-4</p>		\$ -

**CONSTRUCTION OF WASH BUND, MAINTENANCE WORKSHOP COMPOUND, PLOT 7, GIE
BILL NO.1 - PRELIMINARIES**

Ref	Description	Unit	Amount
A41 CONTRACTOR'S GENERAL COST ITEMS: SITE ACCOMODATION			
1.32	- Site Accomodation: The Contractor shall make provisions for office(s), sanitary facilities and the like, as required for the duration of the project.	Fixed Charge	
A42 CONTRACTOR'S GENERAL COST ITEMS: SERVICES AND FACILITIES			
1.33	- Power for the duration of the project	Fixed Charge	
1.34	- Lighting for the duration of the project	Fixed Charge	
1.35	- Potable Water for the duration of the project	Fixed Charge	
1.36	- Safety Health and Welfare - Provision of Personal Protective Equipment (PPE) for all staff, construction workers and visitors to the construction site for the duration of the project.	Fixed Charge	
1.37	- Storage of materials for the duration of the project.	Fixed Charge	
1.38	- Rubbish Disposal for the duration of the project.	Fixed Charge	
1.39	- Protection of work in all sections for the duration of the project.	Fixed Charge	
A44 CONTRACTOR'S GENERAL COST ITEMS: TEMPORARY WORKS			
	Allow for cost in connection with the provision of Hoardings, fans, fencing, etc. for the duration of the project.		
1.40	- The hoarding is to be constructed with rebar posts;16mm diameter reinforcement 1,600mm high; with 600mm embedment, at 1,830mm centres, the spaces between the rebar posts shall be filled with snow fence material securely affixed to the rebars. The top of the rebars shall be covered to prevent injury.	Fixed Charge	
Page Total (GUY\$) Carried to Collection BN1-5			

CONSTRUCTION OF WASH BUND, MAINTENANCE WORKSHOP COMPOUND, PLOT 7, GIE
 BILL NO.1 - PRELIMINARIES

Ref	Description	Unit	Amount
	<u>COLLECTION</u>		
	Page BN 1-1		\$ -
	Page BN 1-2		
	Page BN 1-3		
	Page BN 1-4		\$ -
	Page BN 1-5		
	Page Total (GUY\$) Carried to Grand Summary BN1-6		

CONSTRUCTION OF WASH BUND, MAINTENANCE WORKSHOP COMPOUND, PLOT 7, GIE
 BILL NO.2 - WASH BUND SLAB

Ref	Description	Unit	Qty	Rate	Amount
	WASH BUND SLAB				
	D20 Excavation and Filling				
2.01	Excavating - to reduced levels as indicated in drawings, maximum depth ≤ 1,000mm; to accept slab for wash bund.	m ³	46		
2.02	Disposal - of excavated material; slab, off-site or as directed by the Engineer.	m ³	46		
2.03	Surface Treatment - Compacting; bottom of excavation below slab.	m ²	97		
2.04	Vapor Barrier Polyethylene sheet; minimum thickness 10mils; lapped 900mm at joints; laid on white sand (measured net, allow for laps)	m ²	97		
	<u>Reinforced in-situ structural concrete; grade 38N/mm² (5,500psi) at 28 days, with max. aggregate 3/4 minus and well-graded coarse aggregate. Pouring of reinforced concrete; vibrated</u>				
2.05	Slab: Foundation; 18,441mm x 4,877mm x 305mm thick; inclusive of thickened edges. Slab to be broom finished in accordance with the Drawing Notes.	m ³	30		
2.06	Curb (Bund Wall); 152mm x 38,101mm x height (152mm - 457mm). Curb wall finish to be fair faced.	m ³	2		
	E20 Formwork for In-Situ Concrete <u>Formwork fair faced & basic finish, generally; all rubbed with moulding oil; all in strict accordance with Structural Engineer's Specification & Drawings generally;</u>				
2.07	Slab: Sides of slab; 305mm high; fair faced finish.	m	38		
2.08	Sides of slab; 457mm high; fair faced finish.	m	10		
2.09	Curb (Bund Wall): Sides of curbs; 152mm - 457mm high; fair faced finish.	m	38		
	E30 Reinforcement for In-Situ Concrete <u>High Yield steel tensile bar reinforcement to ASTM A 615; include for all spacers, chairs, tying wires, bends, hooks, distance blocks and the likes as required; all in strict accordance with Structural Engineer's Drawings and Specification generally;</u> <u>notwithstanding the rules of SMM7 regardless of length and shape;</u>				
2.10	Slab: 10mm (3/8") diameter in Base (Grade 60).	kg	341		
2.11	25mm (1") diameter smooth dowels (Grade 60). Bars to be coated with release agent on one half; nitoproof 30 of similar.	kg	153		
2.12	Curb (Bund Wall): 10mm (3/8") diameter in Base (Grade 60)	kg	107		
	Page Total (GUY\$) Carried to Collection BN2-1				

CONSTRUCTION OF WASH BUND, MAINTENANCE WORKSHOP COMPOUND, PLOT 7, GIE
 BILL NO.2 - WASH BUND SLAB

Ref	Description	Unit	Qty	Rate	Amount
2.13	Waterstop 152mm high; PVC; Durajoint; type 4b or similar product. Rate to include for installation in accordance with the manufacturer's recommendations.	m	38		
2.14	Curing Compound Concure WB or similar approved product. Rate to include for application in accordance with the manufacturer's recommendations.	m ²	110		
2.15	E40 Designed Joint in In-Situ Concrete Cut Joints; spacing 3,660mm; minimum depth 76mm; width 10mm; filled with closed cell backer rod and joint sealant; Vulkem 116 or similar. Rate to include for application in accordance with the manufacturer's recommendations and drawings.	m	25		
Page Total (GUY\$) Carried to Collection BN2-2					

CONSTRUCTION OF WASH BUND, MAINTENANCE WORKSHOP COMPOUND, PLOT 7, GIE
 BILL NO.2 - WASH BUND SLAB

Ref	Description	Unit	Qty	Rate	Amount
	<p><u>COLLECTION</u></p> <p>Page BN 2-1</p> <p>Page BN 2-2</p>				
	<p>Page Total (GUY\$) Carried to Grand Summary BN2-3</p>				

CONSTRUCTION OF WASH BUND, MAINTENANCE WORKSHOP COMPOUND, PLOT 7, GIE
 BILL NO.3 - OIL/ GRIT SEPARATOR

Ref	Description	Unit	Qty	Rate	Amount
	<u>OIL/ WATER SEPARATOR</u>				
	D20 Excavation and Filling				
	Excavating				
3.01	- to reduced levels as indicated in drawings, maximum depth > 1,000mm; to form slab for oil/ water separator.	m ³	18		
	Disposal				
3.02	- of excavated material; oil/ water separator, off-site or as directed by the Engineer.	m ³	18		
	Surface Treatment				
3.03	- Compacting; bottom of excavation below oil/ water separator.	m ²	10		
3.05	- Compacting; around oil/ water separator in layers not exceeding 200mm thickness.	m ²	34		
	Filling				
3.06	- to oil/ water separator excavation; average thickness > 250mm; with material arising from the excavations as directed by the Engineer. Filling to be conducted in accordance with manufacturer's guidelines.	m ³	18		
	<u>Reinforced in-situ structural concrete; grade 31N/mm² (4,500psi) at 28 days, with max. aggregate 3/4 minus and well-graded coarse aggregate. Pouring of reinforced concrete; vibrated</u>				
	Slab:				
3.07	Foundation; 1,473mm x 1,473mm x 203mm thick.	m ³	1		
	E20 Formwork for In-Situ Concrete				
	<u>Formwork fair faced & basic finish, generally; all rubbed with moulding oil; all in strict accordance with Structural Engineer's Specification & Drawings generally;</u>				
	Slab:				
3.08	Sides of slab; 203mm high	m	6		
	E30 Reinforcement for In-Situ Concrete				
	<u>High Yield steel tensile bar reinforcement to ASTM A 615; include for all spacers, chairs, tying wires, bends, hooks, distance blocks and the likes as required; all in strict accordance with Structural Engineer's Drawings and Specification generally;</u>				
	Slab:				
3.09	10mm (3/8") diameter in Base (Grade 60).	kg	17		
	R10/ 14 Pipelines				
3.10	Straight; PVC; schedule 40; (4") 101mm diameter, affixed through wall to form drainage outlet to oil/ silt trap.	m	6		
	Fittings				
3.11	Valve; PVC; 101mm diameter;	Nr.	1		
3.12	Bend; PVC; 90 degree; (4") 101mm diameter	Nr.	4		
	Page Total (GUY\$) Carried to Collection BN3-1				

CONSTRUCTION OF WASH BUND, MAINTENANCE WORKSHOP COMPOUND, PLOT 7, GIE
 BILL NO.3 - OIL/ GRIT SEPARATOR

Ref	Description	Unit	Qty	Rate	Amount
3.13	Oil/ Water Separator Supply and install oil/ grit separator; Vodaland 70 gal oil/ water separator OB1-1, as per manufacturer's guidelines and as directed by Engineer.	Sum	-	-	
	SILT TRAP				
	D20 Excavation and Filling				
3.14	Excavating - to reduced levels as indicated in drawings, maximum depth > 1,000mm; to form slab for oil/ water separator.	m ³	10		
3.15	Disposal - of excavated material; oil/ water separator, off-site or as directed by the Engineer.	m ³	10		
3.16	Surface Treatment - Compacting; bottom of excavation below silt trap.	m ²	7		
3.17	Filling - to silt trap excavation; average thickness > 250mm; with material arising from the excavations as directed by the Engineer.	m ³	6		
	<u>Reinforced in-situ structural concrete; grade 31N/mm² (4,500psi) at 28 days, with max. aggregate 3/4 minus and well-graded coarse aggregate. Pouring of reinforced concrete; vibrated</u>				
3.18	Slab: Foundation; 1,321mm x 1,321mm x 203mm thick.	m ³	1		
3.19	Coping beam: Foundation; 101mm x 203mm x 4,468mm thick.	m ³	1		
	E20 Formwork for In-Situ Concrete <u>Formwork fair faced & basic finish, generally; all rubbed with moulding oil; all in strict accordance with Structural Engineer's Specification & Drawings generally;</u>				
3.20	Slab: Sides of slab; 203mm high	m	6		
	E30 Reinforcement for In-Situ Concrete <u>High Yield steel tensile bar reinforcement to ASTM A 615; include for all spacers, chairs, tying wires, bends, hooks, distance blocks and the likes as required; all in strict accordance with Structural Engineer's Drawings and Specification generally;</u>				
3.21	Slab: 10mm (3/8") diameter in Base (Grade 60).	kg	17		
3.22	Wall: 10mm (3/8") diameter in Base (Grade 60).	kg	45		
	F MASONRY				
	F10 BRICK / BLOCK WALLING <u>Notwithstanding the provisions of SMM 7 Section F, the Contractor is to include in his rates for all labors including fair returns, pointing, arises, and the like</u>				
Page Total (GUYS) Carried to Collection BN3-2					

CONSTRUCTION OF WASH BUND, MAINTENANCE WORKSHOP COMPOUND, PLOT 7, GIE
 BILL NO.3 - OIL/ GRIT SEPARATOR

Ref	Description	Unit	Qty	Rate	Amount
3.23	200x200x400mm Hollow Concrete Blocks 12mm cement/sand (1:3) mortar; infilled with concrete (31N/mm ²) (4,500psi).	m ²	7		
	<u>M20 PLASTERED/RENDERED/ROUGHCAST COATINGS</u>				
	<u>WALLS</u>				
	Sand / Cement render (1:3 mix); 12mm thick.				
3.24	Walls; width greater than 300mm	m ²	14		
	<u>SILT TRAP GRATING</u>				
3.25	Supply and install metal grating to silt trap 914mm x 914mm; formed from 37.5mmx37.5mmx6.25mm angle iron bearing strips; 16mm (5/8") dia. corrugated rebar (grade 60) grating at 50mm spacing. Cost to include for one (1) coat of red oxide primer and two (2) coats of anti-corrosive paint; black.	Item	-	-	
Page Total (GUY\$) Carried to Collection BN3-3					

CONSTRUCTION OF WASH BUND, MAINTENANCE WORKSHOP COMPOUND, PLOT 7, GIE
 BILL NO.4 - SPLASH SCREEN

Ref	Description	Unit	Qty	Rate	Amount
	SPLASH SCREEN				
	D20 Excavation and Filling				
	Excavating				
4.01	- to reduced levels as indicated in drawings, maximum depth ≤ 1,000mm; to accept foundation for fence.	m ³	2		
	<i>Reinforced in-situ structural concrete; grade 28N/mm² (4,061psi) at 28 days, with max. aggregate 3/4 minus and well-graded coarse aggregate.</i>				
	<i>Pouring of reinforced concrete; vibrated</i>				
4.02	Foundation; 305mm x 305mm x 762mm high.	m ³	2		
	G10 Structural Steel Framing				
4.03	Fabricate and erect; rectangular hollow section; 152mm x 50mm x 6.25mm thick, to form fence posts. To be embedded into concrete foundation with a minimum embedded depth of 608mm as shown in drawings. (15 no. posts at 3,200mm length)	kg	918		
4.04	Fabricate and erect; square hollow section; 50mm x 50mm x 3.125mm thick, to form top, middle and bottom rails as shown in drawings. Rails to be welded to fence posts.	kg	532		
	M60 Painting/ Clear Finishing				
	Anti-Corrosive paint to structural metalwork; two coats; include for surface preparation and cleaning prior to painting.				
4.05	- To members of steel frame; girth ≤ 300mm	m	152		
	H43 Metal Panel Cladding				
	Prepainted trapezoidal profile; 26 gauge Galvalume sheets; cadmium plated screws and washers/ high quality neoprene fittings:				
4.06	- Wall cladding; vertical; lapped per manufacturer recommendation. Colour to be approved by Client prior to supply.	m ²	90		
Page Total (GUY\$) Carried to Collection BN4-1					

CONSTRUCTION OF WASH BUND, MAINTENANCE WORKSHOP COMPOUND, PLOT 7, GIE
 BILL NO.4 - SPLASH SCREEN

Ref	Description	Unit	Qty	Rate	Amount
	<p><u>COLLECTION</u></p> <p>Page BN 4-1</p>				
	<p>Page Total (GUY\$) Carried to Grand Summary BN4-2</p>				