Section IV: Bill of Quantities

SYSTEMS ENGINEERING LTD.

P.O. BOX 3891

Sea Cows Bay Fax: 284.494.0775
Tortola, B.V.I. Tel: 284.494.2987
Email: sytmeng@systemscaribbean.com
Web: www.systemscaribbean.com

PROJECT TITLE	JOB NO.	
BVIEC DEMOLITION WORKS: CONTRACT 1	PAGE 1	
SECTION	PREP BY	DATE
	PT	14/03/24
Grand Summary	CHECK. BY	DATE

·	Grand	Summary	·		·
Division	Category		Page		Amount
A	General Items		2		
D	Demolition and site clearance		3		
Χ	MISCELLANEOUS WORK		3		
		· ·	Sub Total	!	
			Contractor's Fee	%	
			Total Sum) 1	

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PROJECT TITLE	JOB NO.	
BVIEC DEMOLITION WORKS: CONTRACT 1	PAGE 2	
SECTION	PREP BY	DATE
	PT	14/03/24
А	CHECK. BY	DATE

Number	Item Description	Unit	Quantity	Rate (\$)	Amount (\$)
A	GENERAL ITEMS			110.00 (17)	(1)
	CONTRACTUAL REQUIREMENTS				
A110	Performance Bond	sum			
A120.1	Employers Liability insurance	sum			
A120.2	Plant and Equipment insurance	sum			
A120.3	Contract works insurance coverage of: Generator and panels, Air Conditioning System, Battery Room Area and 2 Buildings to be Retained	sum			
A130	Third Party Public liability Insurance	sum			
	METHOD RELATED CHARGES - FIXED PRICE				
A399.1	The contractor is encouraged to enter the item and description of the required fixed price method related charges here. For example: Description: Construction of temporary storage facilities on site.				
Description:	Health and Safety	sum			
Description:	Disposal of Spoil and Rubbish	sum			
Description:	Temporary Works	sum			
Description:		sum			
Description:		sum			
	METHOD RELATED CHARGES - TIME DEPENDENT PRICE The contractor is encouraged to enter the item and description of the				
A399.2	required time dependent method related charges here. For example: Description: Supervision.				
A352	Traffic control Traffic control	rate			
A371	Supervsion	rate			
Description:		rate			
Description:		rate			
Description:		rate			
				1	
				+	
				+	
				Sub Total	
				Sub Total	

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BVIEC DEMOLITION WORKS: CONTRACT 1	PAGE	
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SECTION	PREP BY	DATE
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D to X	CHECK. BY	DATE
	RT	

	•	INI I			4
Number	Item Description	Unit	Quantity	Rate (\$)	Amount (\$)
D	DEMOLITION & CITE OF ADAMOS				
D	DEMOLITION & SITE CLEARANCE				
	General site clearance where necessary. Restrict site clearance to the				
	minimum required for the completion of the works. Do not remove				
D110	any trees without express instruction from the Project Manager. demolish and legally dispose of roofing and perlins to North of	Sum			
D449.1	generator building	sum			
D449.2	demolish and legally dispose of crane	Sum			
D449.3	demolish and legally dispose of crane rails	Sum			
	salvage and prepare for transport 4 roof trusses to North of generator				
D999.1	building salvage and prepare for transport (8nr) W12X40 steel columns that	Sum			
D999.2	support the trusses	Sum			
577712	salvage and prepare for transport all X and bottom chord bracing				
D999.3	accompanying the 4 pairs of columns and trusses	Sum			
				Sub Total	
V	MISCELL ANEOLIS MODY				
Х	MISCELLANEOUS WORK supply and install 6ft high chainlink fence along eastern boundary of				
X144	site, 255ft long	Sum			
X222	supply and install one 3ft wide gate (6ft high)	Sum			
X223	supply and install one 12ft wide (6ft high) gate	Sum			
	Transport and deliver 4 trusses, (8nr) W12X40 steel columns and accompanying X and bottom chord bracing to BVIEC site in Pockwood	•			
X999	pond	Sum			
X///	pond				
				1	
				1	
				1	
				1	
				1	
				+	
				+	
			1		

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Tortola, B.V.I.	Tel: 284.494.2987			4
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Web: www.syste	mscaribbean.com		PT	14/03/24
		G	CHECK. BY	DATE
			RT	

Number	Item Description	Unit	Quantity	Rate (\$)	Amount (\$)

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		U-Z	CHECK. BY	DATE
			RT	

Number	Item Description	Unit	Quantity	Rate (\$)	Amount (\$)
				+	

Notes on the preamble for a bill of quantities:

- 1) aim is to instruct the contractor in exactly what is required
- 2) ensure the avoidance of potential misunderstandings
- 3) account for potential miscalculations or discrepancies

identify the currency and units used for international contractors

identify that the bill is prepared in accordance with CESMM4 (Civil Engineering Standard Method of Measurement 4th edition)

Identify that the bill is to be read in conjuction with the specifications and drawings (write more comprehensive list)

Identify relevant building code material specifications that must be met (unless already stated in the specs, in which case simply reference the specs)

Identify the extent of the finality of the prices to be listed in the bill, and mention that it is the responsibility of the contractor to ensure that all potential costs and risks are covered by the rate presented

(i.e. no additional rates will be paid for things like wastage or cuttings, etc.)

items left blank by the contractor will be assumed included in all other rates and will not be paid

mention that provisional sums will only be paid in part or whole at the discretion of the construction manager

mention that the bill of quantities is an estimate and that the final bill will be governed by the final quantities and measures

mention that the contractor should account for any stoppages due to public holidays or adverse weather

taxes?

concrete

bar weights in lbs per lin ft			6 x 6 W2.9-W2.9 WWF			weight per	
	3	4	5	6	7	8	
lb/ft	0.376	0.668	1.043	1.502	2.044	2.67	
dia (inch)	0.375	0.5	0.625	0.75	0.875	1	

Area of plastic for uphill retaining wall

0+20-0+50

Area 10.83333 Sq.Yds

0+50-0+75

area 18.94444 Sq.Yds

total 30 Sq.Yds