

The following Schedule of Prices must include but not be limited to the materials listed below. This list must be read in conjunction with the Technical Specifications

Works To be done On Calibishie Ridges Irrigation Project

Client: Division of Agriculture

Project: Calibishie Irrigation Project

Location: Calibishie, Commonwealth of Dominica

LOT 1: Intake, Gravity Supply + Distribution Network and Appurtenances.

Bill No. 1. Preliminaries						
Item No.	Description	Unit	Technical Specifications	Quantity	Unit Rate EC\$	Amount EC\$
1.1	Allow for all charges arising from the provision of the 10% performance bond pursuant to Article 15 of the Conditions of Contract	Lump Sum	15	1	5,000.00	5,000.00
1.2	Allow for insurance of the works, materials and plant, as well as replacement cost of equipment in accordance with the Conditions of Contract as specified in the Contract Data.	Lump Sum	14	1	10,500.00	10,500.00
1.3	Allow for additional insurance to cover for the following:	Lump Sum	14			
	(i) Public liability or third party insurance in accordance with Clause 13 of the Conditions of Contract as specified in the Contract Data.			1	3,000.00	3,000.00
	(ii) Accident or injury to workmen in accordance with Clause 13 of the Conditions of Contract as specified in the Contract Data.			1	5,000.00	5,000.00
1.4	Allow for erection and maintenance of two (2) project signs depicting information on an 8' x 4' sheet of 3/4" exterior exposure ply	Lump Sum		1	3,800.00	3,800.00
1.5	Compliance with the contract. The tenderer may enter rates for compliance with the Conditions of Contract that are not covered in the rates elsewhere in the bills of quantities. The tenderer should indicate which clause of the Conditions of Contract each rate is applicable.					
1.6	Provide for mobilisation & demobilisation/ cleanup, protective works and access for all sites	Lump Sum		1	35,000.00	35,000.00
1.7	Preparation of Works, shop drawings and as-Built	Lump Sum		1	25,000.00	25,000.00
Carry forward to Summary						87,300.00
Bill No 2. GENERAL						
Item No.	Description	Unit	Technical Specifications	Quantity	Unit Rate EC\$	Amount EC\$
2.1	Allow provisional sum for the provision of spare parts	Lump Sum	Vol 4.1.7	1	40,000.00	40,000.00
2.2	Allow provisional sum for the provision of maintenance tools and equipment	Lump Sum	Vol 4.1.8	1	15,000.00	15,000.00
2.3	Provisional sum for service visits and reporting	Lump Sum	Vol. 4.1.7.0	1	15,000.00	15,000.00
2.4	Contingency	Lump Sum		1	150,000.00	150,000.00
To Summary						220,000.00

Bill No. 3	Distribution Mains					
Item No	Description	Unit	Technical Specifications	Quantity	Unit Rate EC\$	Amount EC\$
SECTION B1						
Profile B1 From CH 1+130 to CH 1+310						
3.1	Lay Mains 250 PVC pipe along route in accordance with specifications and drawings:		T.S. 7.1			
	<i>Provide all material, plant, tools, equipment, labour and supervision for installation of following works in accordance with drawings, specifications and instructions of the Project Manager/Representative. All volumes are given as in-place volumes.</i>					
	(i) Excavation of trenches	m ³	T.S. 7.1.1	99		
	(ii) Provide for rock & root excavation	m ³	T.S. 7.1.1	10		
	(iii) Supply and lay PVC pipes.	m	11 & T.S. 7.1	180		
3.2	Earth Movement:		11			
	(i) Select acceptable native material for backfill of trench up to sub-base.	m ³	T.S. 1.6.4	87		
	(ii) supply appropriate granular material for backfill of trench up to base.	m ³	T.S. 1.6.4	30		
	(iii) Cart away materials not for reuse to dump site approved by Engineer.	m ³		12		
3.3	Supply all materials & equipment and test pipes	m	T.S. 1.8.5.3	180		
To Summary						
SECTION B2						
Profile B2a From CH 1+310 to CH 2+625						
	<i>Provide all material, plant, tools, equipment, labour and supervision for installation of following works in accordance with drawings, specifications and instructions of the Project Manager/Representative. All volumes are given as in-place volumes.</i>					
3.4	Lay Mains 200mm PVC pipe along route in accordance with specifications and drawings:		T.S. 7.1			
	(i) Excavation of trenches.	m ³	T.S. 7.1.1	592		
	(ii) Provide for rock & root excavation	m ³	T.S. 7.1.1	59		
	(iii) Supply and lay PVC pipes.	m	11 & T.S. 7.1	1315		
3.5	Earth Movement:		11			
	(i) Select acceptable native material or supply appropriate granular material for backfill of trench .	m ³	T.S. 1.6.4	592		
	(ii) Cart away materials not for reuse to dump site approved by Engineer	m ³		0		
3.6	Supply all materials & equipment and test pipes	m	T.S. 1.8.5.3	1315		
SUB-TOTAL						
SECTION B2						
Profile B2b From CH 2+625 to CH 3+335						
3.7	Lay, mains 125mm PVC pipe along route in accordance with specifications and drawings:		T.S. 7.1			
	(i) Excavation of trenches	m ³	T.S. 7.1.1	320		
	(ii) Provide for rock & root excavation	m ³	T.S. 7.1.1	32		
	(iii) Supply and lay PVC pipes.	m	11 & T.S. 7.1	710		
3.8	Earth Movement:		11			
	(i) Select acceptable native material or supply appropriate granular material for backfill of trench	m ³	T.S. 1.6.4	320		
	(ii) Cart away materials not for reuse to dump site approved by Engineer	m ³		0		
3.9	Supply all materials & equipment and test pipes	m	T.S. 1.8.5.3	710		
SUB-TOTAL						
To Summary						

Item No	Description	Unit	Technical Specifications	Quantity	Unit Rate EC\$	Amount EC\$
	SECTION SP5					
	Profile SP5 From CH 2+577 to CH 2+741					
	<i>Provide all material, plant, tools, equipment, labour and supervision for installation of following works in accordance with drawings, specifications and instructions of the Project Manager/Representative. All volumes are given as in-place volumes.</i>					
3.10	Lay mains 110mm PVC pipe, along route in accordance with specifications and drawings.		T.S. 7.1			
	(i) Excavation of trenches	m ³	T.S. 7.1.1	74		
	(ii) Provide for rock & root excavation	m ³	T.S. 7.1.1	7		
	(iii) Supply and lay PVC pipes.	m	11 & 1.S 7.1	164		
3.11	Earth Movement:		11			
	(i) Select acceptable native material or supply appropriate granular material for backfill of trench.	m ³	T.S. 1.6.4	74		
	(ii) Cart away materials not for reuse to dump site approved by Engineer	m ³		0		
3.12	Supply all materials & equipment and test pipes	m	T.S. 1.8.5.3	164		
	SUB-TOTAL					
Item No	Description	Unit	Technical Specifications	Quantity	Unit Rate EC\$	Amount EC\$
	SECTION B					
	Profile Ba From CH 0+000 to CH 0+365					
	<i>Provide all material, plant, tools, equipment, labour and supervision for installation of following works in accordance with drawings, specifications and instructions of the Project Manager/Representative. All volumes are given as in-place volumes.</i>					
3.13	Lay, Supply Main Line 250mm PVC pipe along route in accordance with specifications and drawings:		T.S. 7.1			
	(i) Excavation of trenches	m ³	T.S. 7.1.1	201		
	(ii) Provide for rock & root excavation	m ³	T.S. 7.1.1	20		
	(iii) Supply and lay PVC pipes.	m	11 & 1.S 7.1	365		
3.14	Earth Movement:		11			
	(i) Select acceptable native material or supply appropriate granular material for backfill of trench.	m ³	T.S. 1.6.4	201		
	(ii) Cart away materials not for reuse to dump site approved by Engineer	m ³		0		
3.15	Supply all materials & equipment and test pipes	m	T.S. 1.8.5.3	365		
	SUB-TOTAL					
	SECTION B					
	Profile Bb From CH 0+365 to CH 0+755					
3.16	Lay main Line 250mm PVC, pipe along route in accordance with specifications and drawings:		T.S. 7.1			
	(i) Excavation of trenches	m ³	T.S. 7.1.1	215		
	(ii) Provide for rock & root excavation	m ³	T.S. 7.1.1	21		
	(iii) Supply and lay PVC pipes.	m	11 & T.S 7.1	390		
3.17	Earth Movement:		11			
	(i) Select acceptable native material or supply appropriate granular material for backfill of trench.	m ³	T.S. 1.6.4	215		
	(ii) Cart away materials not for reuse to dump site approved by Engineer	m ³		0		
3.18	Supply all materials & equipment and test pipes	m	T.S. 1.8.5.3	390		
	SUB-TOTAL					

Item No	Description	Unit	Technical Specifications	Quantity	Unit Rate EC\$	Amount EC\$
SECTION B						
Profile Bc From CH 0+755 to CH 1+130						
3.19	Lay main line 250mm PVC pipe, along route in accordance with specifications and drawings.		T.S. 7.1			
	(i) Excavation of trenches	m ³	T.S. 7.1.1	206		
	(ii) Provide for rock & root excavation	m ³	T.S. 7.1.1	21		
	(iii) Supply and lay PVC pipes.	m	11 & T.S 7.1	375		
3.20	Earth Movement:		11			
	(i) Select acceptable native material or supply appropriate granular material for backfill of trench.	m ³	T.S. 1.6.4	206		
	(ii) Cart away materials not for reuse to dump site approved by Engineer	m ³		0		
3.21	Supply all materials & equipment and test pipes	m	T.S. 1.8.5.3	375		
SUB-TOTAL						
SECTION B						
Profile Bd From CH 1+130 to CH 1+310						
3.22	Lay main line 250mm PVC, along route in accordance with specifications and drawings.		T.S. 7.1			
	(i) Excavation of trenches	m ³	T.S. 7.1.1	99		
	(ii) Provide for rock & root excavation	m ³	T.S. 7.1.1	10		
	(iii) Supply and lay PVC pipes.	m	11 & T.S 7.1	180		
3.23	Earth Movement:		11			
	(i) Select acceptable native material or supply appropriate granular material for backfill of trench.	m ³	T.S. 1.6.4	99		
	(ii) Cart away materials not for reuse to dump site approved by Engineer	m ³		0		
3.24	Supply all materials & equipment and test pipes	m	T.S. 1.8.5.3	180		
SUB-TOTAL						
SECTION B						
Profile Be From CH 1+310 to CH 1+916						
3.25	Lay main line 200mm PVC, along route in accordance with specifications and drawings.		T.S. 7.1			
	(i) Excavation of trenches	m ³	T.S. 7.1.1	273		
	(ii) Provide for rock & root excavation	m ³	T.S. 7.1.1	27		
	(iii) Supply and lay PVC pipes.	m	11 & T.S 7.1	606		
3.26	Earth Movement:		11			
	(i) Select acceptable native material or supply appropriate granular material for backfill of trench up to sub-base.	m ³	T.S. 1.6.4	191		
	(ii) supply appropriate granular material for backfill of trench up to base.	m ³	T.S. 1.6.4	94		
	(iii) Cart away materials not for reuse to dump site approved by Engineer	m ³		82		
3.27	Supply all materials & equipment and test pipes	m	T.S. 1.8.5.3	606		
SUB-TOTAL						
SECTION B						
Profile Bf From CH 1+916 to CH 2+261						
3.28	Lay main line 200mm PVC, along route in accordance with specifications and drawings.		T.S. 7.1			
	(i) Excavation of trenches	m ³	T.S. 7.1.1	155		
	(ii) Provide for rock & root excavation	m ³	T.S. 7.1.1	16		
	(iii) Supply and lay PVC pipes.	m	11 & T.S 7.1	345		
3.29	Earth Movement:		11			
	(i) Select acceptable native material or supply appropriate granular material for backfill of trench.	m ³	T.S. 1.6.4	155		
	(ii) Cart away materials not for reuse to dump site approved by Engineer	m ³		0		
3.30	Supply all materials & equipment and test pipes	m	T.S. 1.8.5.3	345		
SUB-TOTAL						

Item No	Description	Unit	Technical Specifications	Quantity	Unit Rate EC\$	Amount EC\$
SECTION B						
Profile Bg From CH 2+261 to CH 2+625						
3.31	Lay main line 200mm PVC, along route in accordance with specifications and drawings.		T.S.. 7.1			
	(i) Excavation of trenches	m³	T.S. 7.1.1	164		
	(ii) Provide for rock & root excavation	m³		16		
	(iii) Supply and lay PVC pipes.	m	11 & T.S 7.1	364		
3.32	Earth Movement:		11			
	(i) Select acceptable native material or supply appropriate granular material for backfill of trench.	m³	T.S. 1.6.4	164		
	(ii) Cart away materials not for reuse to dump site approved by Engineer	m³		0		
3.33	Supply all materials & equipment and test pipes	m	T.S. 1.8.5.3	364		
SUB-TOTAL						
SECTION B						
Profile Bh From CH 2+625 to CH 2+867						
3.34	Lay main line 125mm PVC, along route in accordance with specifications and drawings.		T.S.. 7.1			
	(i) Excavation of trenches	m³	T.S. 7.1.1	109		
	(ii) Provide for rock & root excavation	m³		11		
	(iii) Supply and lay PVC pipes.	m	11 & T.S 7.1	242		
3.35	Earth Movement:		11			
	(i) Select acceptable native material or supply appropriate granular material for backfill of trench.	m³	T.S. 1.6.4	109		
	(ii) Cart away materials not for reuse to dump site approved by Engineer	m³		0		
3.36	Supply all materials & equipment and test pipes	m	T.S. 1.8.5.3	242		
SUB-TOTAL						
SECTION B						
Profile Bi From CH 2+867 to CH 3+257						
3.37	Lay main line 125mm PVC, along route in accordance with specifications and drawings.		T.S. 7.1			
	(i) Excavation of trenches	m³	T.S. 7.1.1	176		
	(ii) Provide for rock & root excavation	m³		18		
	(iii) Supply and lay PVC pipes.	m	11 & T.S 7.1	390		
3.38	Earth Movement:		11			
	(i) Select acceptable native material or supply appropriate granular material for backfill of trench.	m³	T.S. 1.6.4	176		
	(ii) Cart away materials not for reuse to dump site approved by Engineer	m³		0		
3.39	Supply all materials & equipment and test pipes	m	T.S. 1.8.5.3	390		
SUB-TOTAL						
To Summary						

Bill No. 3	Distribution Mains					
Item No	Description	Unit	Technical Specifications	Quantity	Unit Rate EC\$	Amount EC\$
	CRETE COCOA					
	SECTION A2					
	Profile A2a From CH 2+400 to CH 2+760					
	<i>Provide all material, plant, tools, equipment, labour and supervision for installation of following works in accordance with drawings, specifications and instructions of the Project Manager/Representative. All volumes are given as in-place volumes.</i>					
3.40	Lay Main Line 125mm PVC pipe along route in accordance with specifications and drawings:		T.S. 7.1			
	(i) Excavation of trenches	m ³	T.S. 7.1.1	162		
	(ii) Provide for rock & root excavation	m ³		16		
	(iii) Supply and lay PVC pipes.	m	11	360		
3.41	Earth Movement:		11			
	(i) Select acceptable native material or supply appropriate granular material for backfill of trench up to sub-base.	m ³	T.S. 1.6.4	113		
	(ii) supply appropriate granular material for backfill of trench up to base.	m ³	T.S. 1.6.4	56		
	(iii) Cart away materials not for reuse to dump site approved by Engineer	m ³		49		
3.42	Supply all materials & equipment and test pipes	m	T.S. 1.8.5.3	360		
	SUB-TOTAL					
	SECTION A2					
	Profile A2b From CH 2+760 to CH 3+178					
3.43	Lay main Line 125mm PVC, pipe along route in accordance with specifications and drawings:		T.S. 7.1			
	(i) Excavation of trenches	m ³	T.S. 7.1.1	188		
	(ii) Provide for rock & root excavation	m ³		19		
	(iii) Supply and lay PVC pipes.	m	11	418		
3.44	Earth Movement:		11			
	(i) Select acceptable native material or supply appropriate granular material for backfill of trench up to sub-base.	m ³	T.S. 1.6.4	132		
	(ii) supply appropriate granular material for backfill of trench up to base.	m ³	T.S. 1.6.4	65		
	(iii) Cart away materials not for reuse to dump site approved by Engineer	m ³		56		
3.45	Supply all materials & equipment and test pipes	m	T.S. 1.8.5.3	418		
	SUB-TOTAL					
	To Summary					

Bill No. 3	Distribution Mains					
Item No	Description	Unit	Technical Specifications	Quantity	Unit Rate EC\$	Amount EC\$
	Middle Ridge					
	SECTION A					
	Profile Aa From CH 0+000 to CH 0+420					
	<i>Provide all material, plant, tools, equipment, labour and supervision for installation of following works in accordance with drawings, specifications and instructions of the Project Manager/Representative. All volumes are given as in-place volumes.</i>					
3.46	Lay mains 280mm PVC, along route in accordance with specifications and drawings.		T.S. 7.1			
	(i) Excavation of trenches	m ³	T.S. 7.1.1	252		
	(ii) Provide for rock & root excavation	m ³		25		
	(iii) Supply and lay PVC pipes.	m	11 & T.S 7.1	420		
3.47	Earth Movement:		11			
	(i) Select acceptable native material or supply appropriate granular material for backfill of trench up to sub-base.	m ³	T.S. 1.6.4	176		
	(ii) supply appropriate granular material for backfill of trench up to base.	m ³	T.S. 1.6.4	65		
	(iii) Cart away materials not for reuse to dump site approved by Engineer	m ³		76		
3.48	Supply all materials & equipment and test pipes	m	T.S. 1.8.5.3	420		
	SUB-TOTAL					
	Section A					
	Profile Ab From CH 0+420 to CH 0+840					
3.49	Lay Main Line 280mm PVC pipe along route in accordance with specifications and drawings:		T.S. 7.1			
	(i) Excavation of trenches	m ³	T.S. 7.1.1	252		
	(ii) Provide for rock & root excavation	m ³		25		
	(iii) Supply and lay PVC pipes.	m	11 & T.S 7.1	420		
3.50	Earth Movement:		11			
	(i) Select acceptable native material or supply appropriate granular material for backfill of trench	m ³	T.S. 1.6.4	252		
	(ii) Cart away materials not for reuse to dump site approved by Engineer	m ³		0		
3.51	Supply all materials & equipment and test pipes	m	T.S. 1.8.5.3	420		
	SUB-TOTAL					
	Section A					
	Profile Ac From CH 0+840 to CH 1+230					
3.52	Lay main Line 280mm PVC. pipe along route in accordance with specifications and drawings:		T.S. 7.1			
	(i) Excavation of trenches	m ³	T.S. 7.1.1	234		
	(ii) Provide for rock & root excavation	m ³		23		
	(iii) Supply and lay PVC pipes.	m	11 & T.S 7.1	390		
3.53	Earth Movement:		11			
	(i) Select acceptable native material or supply appropriate granular material for backfill of trench.	m ³	T.S. 1.6.4	234		
	(ii) Cart away materials not for reuse to dump site approved by Engineer	m ³		0		
3.54	Supply all materials & equipment and test pipes	m	T.S. 1.8.5.3	390		
	SUB-TOTAL					

Item No	Description	Unit	Technical Specifications	Quantity	Unit Rate EC\$	Amount EC\$
Section A						
Profile Ad From CH 1+230 to CH 1+525						
3.55	Lay mains 280mm PVC, along route in accordance with specifications and drawings.		T.S. 7.1			
	(i) Excavation of trenches	m ³	T.S. 7.1.1	177		
	(ii) Provide for rock & root excavation	m ³		18		
	(iii) Supply and lay PVC pipes.	m	11 & T.S 7.1	295		
3.56	Earth Movement:		11			
	(i) Select acceptable native material or supply appropriate granular material for backfill of trench.	m ³	T.S. 1.6.4	177		
	(ii) Cart away materials not for reuse to dump site approved by Engineer	m ³		0		
3.57	Supply all materials & equipment and test pipes	m	T.S. 1.8.5.3	295		
	SUB-TOTAL					
Section A						
Profile Ae From CH 1+525 to CH 2+040						
3.58	Lay mains 200mm PVC, along route in accordance with specifications and drawings.		T.S. 7.1			
	(i) Excavation of trenches	m ³	T.S. 7.1.1	232		
	(ii) Provide for rock & root excavation	m ³		23		
	(iii) Supply and lay PVC pipes.	m	11 & T.S 7.1	515		
3.59	Earth Movement:		11			
	(i) Select acceptable native material or supply appropriate granular material for backfill of trench	m ³	T.S. 1.6.4	232		
	(ii) Cart away materials not for reuse to dump site approved by Engineer	m ³		0		
3.60	Supply all materials & equipment and test pipes	m	T.S. 1.8.5.3	515		
	SUB-TOTAL					
Section A						
Profile Af From CH 2+040 to CH 2+385						
3.61	Lay mains 200mm PVC, along route in accordance with specifications and drawings.		T.S. 7.1			
	(i) Excavation of trenches	m ³	T.S. 7.1.1	155		
	(ii) Provide for rock & root excavation	m ³		16		
	(iii) Supply and lay PVC pipes.	m	11 & T.S 7.1	345		
3.62	Earth Movement:		11			
	(i) Select acceptable native material or supply appropriate granular material for backfill of trench	m ³	T.S. 1.6.4	155		
	(ii) Cart away materials not for reuse to dump site approved by Engineer	m ³		0		
3.63	Supply all materials & equipment and test pipes	m	T.S. 1.8.5.3	345		
	SUB-TOTAL					
Section A						
Profile Ag From CH 2+385 to CH 2+625						
3.64	Lay mains 125mm PVC, along route in accordance with specifications and drawings.		T.S. 7.1			
	(i) Excavation of trenches	m ³	T.S. 7.1.1	108		
	(ii) Provide for rock & root excavation	m ³		11		
	(iii) Supply and lay PVC pipes.	m	11 & T.S 7.1	240		
3.65	Earth Movement:		11			
	(i) Select acceptable native material or supply appropriate granular material for backfill of trench.	m ³	T.S. 1.6.4	108		
	(ii) Cart away materials not for reuse to dump site approved by Engineer	m ³		0		
3.66	Supply all materials & equipment and test pipes	m	T.S. 1.8.5.3	240		
	SUB-TOTAL					

Item No	Description	Unit	Technical Specifications	Quantity	Unit Rate EC\$	Amount EC\$
Section A						
Profile A1 From CH 2+625 to CH 3+289						
3.67	Lay mains 90mm PVC, along route in accordance with specifications and drawings.		T.S. 7.1			
	(i) Excavation of trenches	m ³	T.S. 7.1.1	252		
	(ii) Provide for rock & root excavation	m ³		25		
	(iii) Supply and lay PVC pipes.	m	11 & T.S. 7.1	559		
3.68	Earth Movement:		11			
	(i) Select acceptable native material or supply appropriate granular material for backfill of trench	m ³	T.S. 1.6.4	252		
	(ii) Cart away materials not for reuse to dump site approved by Engineer	m ³		0		
3.69	Supply all materials & equipment and test pipes	m	T.S. 1.8.5.3	559		
SUB-TOTAL						
To Summary						
Bill No.3 Distribution Mains						
Item No	Description	Unit	Technical Specifications	Quantity	Unit Rate EC\$	Amount EC\$
John Baptist Ridge						
SECTION A1						
Profile A1a From CH 1+560 to CH 1+950						
Provide all material, plant, tools, equipment, labour and supervision for installation of following works in accordance with drawings, specifications and instructions of the Project Manager/Representative. All volumes are given as in-place volumes.						
3.70	Lay Main Line 200mm PVC pipe along route in accordance with specifications and drawings:		T.S. 7.1			
	(i) Excavation of trenches	m ³	T.S. 7.1.1	176		
	(ii) Provide for rock & root excavation	m ³		18		
	(iii) Supply and lay PVC pipes.	m	11 & T.S. 7.1	390		
3.71	Earth Movement:		11			
	(i) Select acceptable native material or supply appropriate granular material for backfill of trench	m ³	T.S. 1.6.4	176		
	(ii) Cart away materials not for reuse to dump site approved by Engineer	m ³		0		
3.72	Supply all materials & equipment and test pipes	m	T.S. 1.8.5.3	390		
SUB-TOTAL						
Section A1						
Profile A1b From CH 1+950 to CH 2+340						
3.73	Lay main Line 200mm PVC. pipe along route in accordance with specifications and drawings:		T.S. 7.1			
	(i) Excavation of trenches	m ³	T.S. 7.1.1	176		
	(ii) Provide for rock & root excavation	m ³		18		
	(iii) Supply and lay PVC pipes.	m	11 & T.S. 7.1	390		
3.74	Earth Movement:		11			
	(i) Select acceptable native material or supply appropriate granular material for backfill of trench	m ³	T.S. 1.6.4	176		
	(ii) Cart away materials not for reuse to dump site approved by Engineer	m ³		0		
3.75	Supply all materials & equipment and test pipes	m	T.S. 1.8.5.3	390		
SUB-TOTAL						
Section A1						
Profile A1c From CH 2+340 to CH 2+730						
3.76	Lay Mains 125mm PVC, along route in accordance with specifications and drawings.		T.S. 7.1			
	(i) Excavation of trenches	m ³	T.S. 7.1.1	176		
	(ii) Provide for rock & root excavation	m ³		18		
	(iii) Supply and lay PVC pipes.	m	11	390		
3.77	Earth Movement:		11			
	(i) Select acceptable native material or supply appropriate granular material for backfill of trench up to sub-base.	m ³	T.S. 1.6.4	123		
	(ii) supply appropriate granular material for backfill of trench up to base.	m ³	T.S. 1.6.4	61		
	(iii) Cart away materials not for reuse to dump site approved by Engineer	m ³		53		
3.78	Supply all materials & equipment and test pipes	m	T.S. 1.8.5.3	390		
SUB-TOTAL						

Item No	Description	Unit	Technical Specifications	Quantity	Unit Rate EC\$	Amount EC\$
	Section A1					
	Profile A1d From CH 2+730 to CH 3+120					
3.79	Lay Main Line 125mm PVC pipe along route in accordance with specifications and drawings:		T.S. 7.1			
	(i) Excavation of trenches	m ³	T.S. 7.1.1	176		
	(ii) Provide for rock & root excavation	m ³		18		
	(iii) Supply and lay pipes.	m	11 & T.S 7.1	390		
3.80	Earth Movement:		11			
	(i) Select acceptable native material or supply appropriate granular material for backfill of trench up to sub-base.	m ³	T.S. 1.6.4	123		
	(ii) supply appropriate granular material for backfill of trench up to base.	m ³	T.S. 1.6.4	61		
	(iii) Cart away materials not for reuse to dump site approved by Engineer	m ³		53		
3.81	Supply all materials & equipment and test pipes	m	T.S. 1.8.5.3	390		
	SUB-TOTAL					
	Section A1					
	Profile A1e From CH 3+120 to CH 3+540					
3.82	Lay Main Line 125mm PVC pipe along route in accordance with specifications and drawings:		T.S. 7.1			
	(i) Excavation of trenches	m ³	T.S. 7.1.1	189		
	(ii) Provide for rock & root excavation	m ³		19		
	(iii) Supply and lay PVC pipes.	m	11 & T.S 7.1	420		
3.83	Earth Movement:		11			
	(i) Select acceptable native material or supply appropriate granular material for backfill of trench	m ³	T.S. 1.6.4	189		
	(ii) Cart away materials not for reuse to dump site approved by Engineer	m ³		0		
3.84	Supply all materials & equipment and test pipes	m	T.S. 1.8.5.3	420		
	SUB-TOTAL					
	To Summary					

Bill No. 4	Supply Mains					
Item No	Description	Unit	Technical Specifications	Quantity	Unit Rate EC\$	Amount EC\$
	Hodges River					
	SECTION H					
	Profile H1 From CH 0+000 to CH 0+480					
	<i>Provide all material, plant, tools, equipment, labour and supervision for installation of following works in accordance with drawings, specifications and instructions of the Project Manager/Representative. All volumes are given as in-place volumes.</i>					
4.1	Lay Transmission Line 600 mm PVC pipe along route in accordance with specifications and drawings:		T.S. 7.1			
	(i) Excavation of Trench	m³	T.S. 1.6.3.3 & 1.6.1.1	432		
	(ii) Provide for rock & root excavation	m³	T.S. 7.1.1	43		
	(iii) Supply and lay 600mm PVC pipes.	m	11 & T.S 7.1	480		
4.2	Earth Movement:		11			
	(i) Select acceptable native material or supply appropriate granular material for backfill of trench	m³		363		
	(ii) Cart away materials not for reuse to dump site approved by Engineer	m³		0		
4.3	Supply and install all fittings including:		11			
	(i) Supply & Install air Release Valve .	unit		3		
4.4	Supply all materials & equipment and test pipes	m	T.S. 1.8.5.3	480		
	SUB-TOTAL					
	SECTION H					
	Profile H2 From CH 0+480 to CH 1+080					
4.5	Lay Transmission Line 600mm PVC. pipe along route in accordance with specifications and drawings:		T.S. 7.1			
	(i) Excavation of Trench	m³	T.S. 1.6.3.3 & 1.6.1.1	540		
	(ii) Provide for rock & root excavation	m³	T.S. 7.1.1	54		
	(iii) Supply and lay 600mm PVC pipes.	m	11 & T.S 7.1	600		
4.6	Earth Movement:		11			
	(i) Select acceptable native material or supply appropriate granular material for backfill of trench	m³		540		
	(ii) Cart away materials not for reuse to dump site approved by Engineer	m³		0		
4.7	Supply all materials & equipment and test pipes	m	T.S. 1.8.5.3	600		
	SUB-TOTAL					
	SECTION H					
	Profile H3 From CH 1+080 to CH 1+560					
4.8	Lay Transmission line 600 mm PVC, along route in accordance with specifications and drawings.		T.S. 7.1			
	(i) Excavation of Trench	m³	T.S. 1.6.3.3 & 1.6.1.1	432		
	(ii) Provide for rock & root excavation	m³	T.S. 7.1.1	130		
	(iii) Supply and lay 600mm PVC pipes.	m	11 & T.S 7.1	480		
4.9	Earth Movement:		11			
	(i) Select acceptable native material or supply appropriate granular material for backfill of trench	m³		432		
	(ii) Cart away materials not for reuse to dump site approved by Engineer	m³		0		
4.10	Supply and install all fittings including:		11			
	(i) Supply and install air valve	unit		4		
4.11	Supply all materials & equipment and test pipes	m	T.S. 1.8.5.3	480		
	SUB-TOTAL					
	SECTION H					
	Profile H4 From CH 1+560 to CH 2+160					
4.12	Lay Transmission Line 600 mm DI pipe along route in accordance with specifications and drawings:		T.S. 7.1			
	(i) Excavation for Pipe support & Thrust Blocks	m³	T.S. 1.6.3.3 & 1.6.1.1	103		
	(ii) Provide for rock & root excavation	m³	T.S. 7.1.1	41		
	(iii) Supply and lay 600mm DI pipes.	m	11 & T.S 7.1	600		
4.13	Supply and install all fittings including:		11			
	(i) Supply & Install 600mm washout valve in accordance with drawings, specifications and engineer's instructions.	unit		2		
4.14	Supply all materials & equipment and test pipes	m	T.S. 1.8.5.3	600		
	SUB-TOTAL					

Item No	Description	Unit	Technical Specifications	Quantity	Unit Rate EC\$	Amount EC\$
SECTION H						
Profile H5 From CH 2+160 to CH 2+550						
4.15	Lay Transmission Line 600mm DI. pipe along route in accordance with specifications and drawings:		T.S. 7.1			
	(i) Excavation for Pipe support & Thrust Blocks	m³	T.S. 1.6.3.3 & 1.6.1.1	67		
	(ii) Provide for rock & root excavation	m³	T.S. 7.1.1	27		
	(iii) Supply and lay 600mm DI pipes.	m	11 & T.S 7.1	390		
4.16	Supply and install all fittings including:		11			
	(i) Supply & Install 600mm washout valve in accordance with drawings, specifications and engineer's instructions.	unit		1		
	(ii) Supply and install Air vale Assm	unit		2		
4.17	Supply all materials & equipment and test pipes	m	T.S. 1.8.5.3	390		
SUB-TOTAL						
SECTION H						
Profile H6 From CH 2+550 to CH 3+030						
4.18	Lay Transmission Line 600 mm PVC, along route in accordance with specifications and drawings.		T.S. 7.1			
	(i) Excavation of Trench	m³	T.S. 1.6.3.3 & 1.6.1.1	432		
	(ii) Provide for rock & root excavation	m³	T.S. 7.1.1	173		
	(iii) Supply and lay 600mm PVC pipes.	m	11 & T.S 7.1	480		
4.19	Earth Movement:		11			
	(i) Select acceptable native material or supply appropriate granular material for backfill of trench	m³		432		
	(ii) Cart away materials not for reuse to dump site approved by Engineer	m³		0		
4.20	Supply and install all fittings including:		11			
	(iii) Supply and install 45 degree elbows 600mm.	No.		17		
4.21	Supply all materials & equipment and test pipes	m	T.S. 1.8.5.3	480		
SUB-TOTAL						
SECTION H						
Profile H7 From CH 3+030 to CH 3+390						
4.22	Lay Transmission Line 600 mm PVC pipe along route in accordance with specifications and drawings:		T.S. 7.1			
	(i) Excavation for Pipe support & Thrust Blocks	m³	T.S. 1.6.3.3 & 1.6.1.1	324		
	(ii) Provide for rock & root excavation	m³	T.S. 7.1.1	130		
	(iii) Supply and lay 600mm PVC pipes.	m	11 & T.S 7.1	360		
4.23	Earth Movement:		11			
	(i) Select acceptable native material or supply appropriate granular material for backfill of trench	m³		324		
	(ii) Cart away materials not for reuse to dump site approved by Engineer	m³		0		
4.24	Supply and install all fittings including:		11			
	(i) Supply & Install air valve Assm	unit		1		
4.25	Supply all materials & equipment and test pipes	m	T.S. 1.8.5.3	360		
SUB-TOTAL						

Item No	Description	Unit	Technical Specifications	Quantity	Unit Rate EC\$	Amount EC\$
SECTION H						
Profile H8 From CH 3+390 to CH 3+678						
4.26	Lay Transmission Line 600mm DI. pipe along route in accordance with specifications and drawings:		T.S. 7.1			
	(i) Excavation for Pipe support & Thrust Blocks	m ³	T.S. 1.6.3.3 & 1.6.1.1	50		
	(ii) Provide for rock & root excavation	m ³	T.S. 7.1.1	20		
	(iii) Supply and lay 600mm DI pipes.	m	11 & T.S 7.1	288		
4.27	Supply and install all fittings including:		11			
	(i) Supply and install 600mm washout valve in accordance with drawings and specifications	unit		1		
	(ii) Supply and install Air valve / spigot	unit		3		
4.28	Supply all materials & equipment and test pipes	m	T.S. 1.8.5.3	288		
SUB-TOTAL						
To Summary						
Bill No. 5 Pipeworks - Control Sheds to Mains						
PIPE						
Item No	Description	Unit	Technical Specifications	Quantity	Unit Rate EC\$	Amount EC\$
	<i>Provide all material, plant, tools, equipment, labour and supervision for installation of following works in accordance with drawings, specifications and instructions of the Project Manager/Representative. All volumes are given as in-place volumes.</i>					
5.1	PE Pressrue pipes to be supplied and layed in accordance with drawings and specifications		11 & T.S. 7.1			
	80mm PE pipes	m		900		
	100mm PE pipes	m		407		
To Summary						

Bill No. 6	Protective Structures					
FILTER STATION SHEDS						
Item No	Description	Unit	Technical Specifications	Quantity	Rate EC\$	Amount EC\$
	<i>Provide all material, plant, tools, equipment, labour and supervision for installation of following works in accordance with drawings, specifications and instructions of the Project Manager/Representative. All volumes are given as in-place volumes.</i>					
	Construction Of Filter station shed (3 No.)		T.S. 3.0			
6.1	In-Situ concrete; reinforced; 21N/mm 20mm, aggregate- 1:2:4 (Cement, sand and stone)		T.S. 1.7			
	To foundation	m3		7		
6.2	Reinforcement fabric; BS 4483 or similar approved; lapped joints , both ways to foundation		T.S. 1.7.3			
	To beds: Ref. A142	m2		33		
6.3	Filling with imported material; depositing and compacting in equal layers		T.S. 1.6.4 & 9.0			
	filling with hardcore to make up levels; n.e. 200mm	m3		7		
6.4	To Flexible sheet - Tanking Damp - TANKING / DAMP		11 & T.S. 9.0			
	Polythene sheeting; 500 gauge ;lapped joints laid horizontal on sand bedding	m2		33		
6.5	200mm Blocks. To Edge of foundation Precast concrete blocks; hollow ; in concrete mortar(1:3) filling cores solid with concrete mix (1:2:4)		T.S. 9.0			
	Blocks	m2		16		
6.6	Surface treatment : compacting		11 & T.S. 9.0			
	filling ; blinding with sand	m3		2		
6.7	ROOF- COVERING/FLASHING -SIDEWALLS		11 & T.S. 9.0			
	<i>standard roofing sheets-16 gauge corrugated; cutting and fixing timber purlins with galvanized nails</i>					
	Roof Covering					
	Slope to Drawing Specs.	m2		33		
	SIDE WALLS - Corrugated sheet -Gauge 16		11 & T.S. 9.0			
	Panels to sidewall	m2		90		
6.8	Accessories		11 & T.S. 9.0			
	Capping	m		10		
6.9	CARPENTRY/TIMBER (Treated) FRAMING . FIRST FIXING		11 & T.S. 9.0			
	50mm x 75mm; purlin	m		36		
	50mm x 150mm; rafters	m		46		
	50mm x 200mm; ridge and hip	m		30		
	25mm x 250mm; fascia boards	m		30		
	Timber Uprights 50mm x 200mm	m		74		
6.10	Accessories/Sundry		11 & T.S. 9.0			
	Hurricane tie	No		92		
	Clamp holders for uprights	No		12		
6.11	Construction of Double External Door including all Related Works. (1800 x 2000 mm)		11 & T.S. 9.0			
	Panel doors: Plain galvanize sheeting - Raised panel fitted in timber frame with protective steel bar crossing	sum		1		
	To Summary					

CONTROL SHEDS						
Item No	Description	Unit	Technical Specifications	Quantity	Unit Rate EC\$	Amount EC\$
	<i>Provide all material, plant, tools, equipment, labour and supervision for installation of following works in accordance with drawings, specifications and instructions of the Project Manager/Representative. All volumes are given as in-place volumes.</i>					
	Construction Of Control shed - (30 No.)		11 & T.S. 9.0 & 1.1			
6.12	in-situ concrete, reinforced; 210mm x 200mm, aggregate- Ratio of 1:2:4 (Cement, sand and stone):		T.S. 1.7			
	Bed	m3		50		
6.13	Reinforcement fabric; BS 4483 or similar approved; lapped joints , both ways to foundation		T.S. 1.7.3			
	To beds: Ref. A142	m2		248		
6.14	Filling with imported material; depositing and compacting in equal layers		T.S. 1.6.4 & 9.0			
	Filling with hardcore to make up levels; n.e. 200mm	m3		50		
6.15	TO FLEXIBLE SHEET - TANKING / DAMP		11 & T.S. 9.0			
	polythene sheeting; 500 gauge; lapped joints laid horizontal on sand bedding	m2		248		
	200mm Blocks. To Edge of foundation Precast concrete blocks; hollow ; in concrete mortar(1:3) filling cores solid with concrete mix (1:2:4)		T.S. 9.0			
	Blocks	m2		120		
6.16	Surface treatment ; compacting		11 & T.S. 9.0			
	filling ; blinding with sand	m3		15		
	ROOF- COVERING/FLASHING		11 & T.S. 9.0			
	Standard Roofing Sheets, corrugated; cutting and fixing timber purlins with galvanized nails					
6.17	Roof Covering		11 & T.S. 9.0			
	Slope to Drawing Specs.	m2		248		
6.18	Accessories		11 & T.S. 9.0			
	Capping	m		75		
6.19	Standard Roofing Sheets, corrugated; cutting and fixing timber purlins with galvanized nails		11 & T.S. 9.0			
	Panels to side walls	m2		225		
6.20	CARPENTRY/TIMBER FRAMING. FIRST FIXING		11 & T.S. 9.0			
	50mm x 75mm; purlin	m		270		
	50mm x 150mm; rafters	m		345		
	50mm x 200mm; ridge and hip	m		225		
	25mm x 250mm; fascia boards	m		225		
	Timber Uprights 50mm x 200mm	m		555		
6.21	Accessories/Sundry		11 & T.S. 9.0			
	Hurricane tie	No		690		
	Clamp holders for uprights	No		60		
6.22	Construction of door including all related works.		11 & T.S. 9.0			
	doors	m2		30		
	To Summary					

Bill No. 7	Control Structures Assembly					
Item No	Description	Unit	Technical Specifications	Quantity	Unit Rate EC\$	Amount EC\$
	<i>Provide all material, plant, tools, equipment, labour and supervision for installation of following works in accordance with drawings, specifications and instructions of the Project Manager/Representative. All volumes are given as in-place volumes.</i>					
7.1	Supply and Install Control Head Assembly in accordance with drawings and specifications.(ECI CALI 309-46/47)		11			
	Control head	unit		30		
7.2	Supply and Install Filter Station Assembly in accordance with drawings and specifications.(ECI CALI 309-57)		11 & T.S 3.0			
	Filter Station Assembly	unit		2		
7.3	Supply and Install Pressure Regulating Valve Assembly in accordance with drawing and specifications. Drawing No. (ECI CALI 309-50)		11 & T.S 5.3			
	Pressure Regulating valve					
	200mm	unit		6		
	125mm	unit		4		
	90mm			1		
7.4	Supply and Install Control Valve Assembly in accordance with drawing and specifications. Drawing No. (ECI CALI 309-50)		11			
	Control Valve Assembly					
	600mm	unit		2		
	250mm	unit		2		
	200mm	unit		7		
	125mm	unit		5		
	110mm	unit		4		
	90mm	unit		4		
7.5	Supply and install Washout Valve Assembly in accordance with drawing and specifications. Drawing No. (ECI CALI 309-56)		11			
	Washout valve					
	600 x 400mm	unit		1		
	250mm	unit		1		
	125mm	unit		4		
	110mm	unit		3		
	90mm	unit		3		
7.6	Supply and install Air valve in accordance with drawing and specifications. Drawing No. (ECI CALI 309-48)		11 & T.S 5.4			
	Air valve					
	280mm	unit		1		
	250mm	unit		2		
	200mm	unit		5		
	125mm	unit		2		
	110mm	unit		4		
	To Summary					

Bill No. 8 Pipe Supports and Thrust Blocks						
Item No	Description	Unit	Technical Specifications	Quantity	Unit Rate EC\$	Amount EC\$
8.1	Supply and install Accessories in accordance with drawing and specifications					
	Pipe supports (ECI CALI 309-51)	unit	T.S. 1.6.3.3	503		
	Thrust blocks. (ECI CALI 309-54)	unit	T.S. 1.6.1.1	838		
	To Summary					

Bill No. 9 Intake Structure						
Item No.	Description	unit	Technical Specifications	Quantity	Unit Rate EC\$	Amount EC\$
	<i>Provide all material, plant, tools, equipment, labour and supervision for installation of following works in accordance with drawings, specifications and instructions of the Project Manager/Representative. All volumes are given as in-place volumes.</i>					
9.1	Excavation & Piling of Foundation. Excavation to be Deposited on site as Instructed by Project Director		T.S. 1.6.1			
	Excavation and control of river water during works, including supply of all diversion pipes, pumps etc to allow for casting of concrete in non-submerged conditions that cannot be measured or foreseen due to site location in river bed	Sum				
	Excavation to reduced levels	m3		42		
	Excavation of trenches; n.e. 600mm wide,depth as per drawing details	m3		5		
	Disposal of excavated materials		T.S. 1.6.1.3			
	depositing on site			61.1		
9.2	Filling with concrete: depositing and compacting in equal layers		T.S. 1.6.4 & 9.0			
	to excavated works where necessary	m3		30		
	Area to be concreted at a ratio of 1:2:4 (cement, sand, stone)		T.S. 1.7 & 9.0			
	In-Situ concrete reinforced,21N/mm,20mm aggregate		T.S. 1.7			
	Footings,slabs,service box,trough	m³		67.00		
	Supply and place blinding concrete in accordance with specifications and drawings.	m³		15.0		
9.3	Steel Reinforcement bars: BS 449; high yield ,deformed steel bars; straight and bent bars		T.S. 1.7.3 & 9.0			
	Supply and place reinforcement in accordance with specifications and drawings:					
	steel Ø 12	kg		1369.00		
	steel Ø 16	kg		2872.00		
9.4	Supply, erect and remove formwork in accordance with the specifications and drawings:		11 & T.S. 9.0			
	Footings,slabs,service box,trough	m²		110.0		
	Supply and place concrete in accordance with specifications and drawings:		T.S. 1.7 & 9.0			
	Footings,slabs,service box,trough	m³		67.00		
9.5	Supply and install sluice gates in accordance with the specifications and to the approval of Banana Industry Trust and the Engineer.	units	11	2		
	Supply and install intake stainless steel screens and and all accessories	m²	11	6		
9.6	Supply and install manhole cover with lock in accordance with the specifications and to the approval of Banana Industry Trust and the Engineer.	units	11	1		
9.7	Supply and install all other pipe material or equipment as detailed in drawing, including, but not necessarily limited to, 600mm pipe in weir, 400mm wall pipes, valves, washout and outlet in accordance with the specifications and drawings:	Sum	11			
9.8	Supply and install gabion basket spillway over toe of weir and fixed to 1" dowels	m³	11	91		
9.9	Place rocks of 450mm diameter or larger at base of toe or at other locations as specified by Engineer.	Sum	11			
9.10	Provide for demobilisation, cleanup, restoration of bed and banks, including provision for safety and environmental protection during the works.	Sum	11.4 & 20			
	To Summary					

Bill No. 10		Pipeline Fittings				
Item No.	Description	Unit	Technical Specifications	Quantity	Unit Rate EC\$	Amount EC\$
10.1	Tees		11 & T.S 1.6.3.2			
	600mm (D.I Flanged)	No.		3		
	280mm	No.		6		
	250mm	No.		6		
	200mm	No.		7		
	125mm	No.		15		
	110 mm	No.		15		
	90mm	No.		5		
10.2	Elbows - 90 Degrees		11 & T.S 1.6.3.2			
	600mm (D.I Flanged)	No.		12		
	280mm	No.		7		
	250mm	No.		10		
	200mm	No.		15		
	125mm	No.		12		
	110mm	No.		2		
	90mm	No.		5		
10.3	Elbows - 45 Degrees		11 & T.S 1.6.3.2			
	600mm (D.I Flanged)	No.		65		
	280mm	No.		28		
	250mm	No.		30		
	200mm	No.		59		
	125mm	No.		30		
	110 mm	No.		8		
	90mm	No.		8		
10.4	Elbows - 22.5 Degrees		11 & T.S 1.6.3.2			
	600mm (D.I Flanged)	No.		51		
	280mm	No.		18		
	250mm	No.		23		
	200mm	No.		20		
	125mm	No.		15		
	110 mm	No.		5		
	90mm	No.		5		
10.5	Flange Adapters		11 & T.S 1.6.3.2			
	600mm	No.		20		
	280mm	No.		18		
	250mm	No.		22		
	200mm	No.		20		
	125mm	No.		21		
	110 mm	No.		23		
10.6	Repair Coupling		11 & T.S 1.6.3.2			
	600mm	No.		5		
	280mm	No.		5		
	250mm	No.		5		
	200mm	No.		5		
	125mm	No.		5		
	110 mm	No.		5		
10.7	G.I Saddles - Female British threaded		11 & T.S 1.6.3.2			
	600	No.		10		
	280	No.		12		
	250mm	No.		19		
	200mm	No.		20		
	125mm	No.		22		
	110 mm	No.		15		
	To Summary					

Bill No. 11		Miscellaneous				
Item No.	Description	Unit	Technical Specifications	Quantity	Unit Rate EC\$	Amount EC\$
	<i>Provide all material, plant, tools, equipment, labour and supervision for installation of following works in accordance with drawings, specifications and instructions of the Project Manager/Representative. All volumes are given as In-place volumes.</i>					
11.1	Dozer Track to Intake Site		T.S. 1.6.1			
	Excavation	m ³		9250		
	Trees 1m to 2m girth	No.		68		
	To Summary					