

DETAILED ESTIMATES
 Construction of Canal Lining (Sta. 0+000- 0+078.30 MC & Sta. 2+794.00-2+908.00 MC)
 Embarcadero River Irrigation System
 Dasmariñas, Cavite
 Contract No. 4AC-RRN-23-026

	DESCRIPTION	QTY	UNIT	UNIT COST	TOTAL
1.	Structure Excavation	450.40	cu.m.	223.08	100,475.23
2.	Structure Backfill	190.49	cu.m.	185.90	35,412.09
3.	Grouted Riprap	160.74	cu.m.	8,005.84	1,286,858.72
4.	Class "B" Concrete (Ordinary) (300 m Hauling)	60.67	cu.m.	19,526.91	1,184,697.63
5.	Construction Health and Safety Program (CHSP)	1.00	L.S.	66,150.00	66,150.00
TOTAL AMOUNT OF BID					2,673,593.67

Name of Firm : MECHANICS CONS CORPORATION


 MELCHOR E. FLORES
 Name in Print & Signature of Bidder



MECHANICS CONS CORPORATION

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LABOR / RENTAL RATES AND UNIT COST OF MATERIALS			
MATERIALS - without hauling	UNIT	QUANTITY	COST
Cement	bags	1.00	260.00
Gravel	cum	1.00	2,200.00
Sand	cum	1.00	2,000.00
Tie wire	kgs.	1.00	80.00
Plywood	pcs.	1.00	750.00
F. Lumber	b. f.	1.00	75.00
Cwnail	kgs.	1.00	90.00
RSB	kgs.	1.00	75.00
Boulders	cum	1.00	1,700.00
MATERIALS - with hauling	UNIT	QUANTITY	COST
Cement	bags	1.00	275.00
Gravel	cum	1.00	3,400.00
Sand	cum	1.00	3,400.00
Tie wire	kgs.	1.00	86.00
Plywood	pcs.	1.00	86.00
F. Lumber	b. f.	1.00	61.00
Cwnail	kgs.	1.00	92.00
RSB	kgs.	1.00	76.00
Boulders	cum	1.00	2,700.00
PERSONNEL	NO. OF PERSONNEL	UNIT	UNIT COST
Foreman	1.00	day	750.00
Carpenter	1.00	day	650.00
Bar Cutter	1.00	day	429.00
Mason	1.00	day	650.00
Steelman	1.00	day	650.00
Laborer	1.00	day	429.00
L.E Operator	1.00	day	429.00
EQUIPMENT/HANDTOOLS	NO. OF UNIT	UNIT	UNIT COST
One Bagger Mixer	1.00	day	300.00


MELCHOR E. FLORES
 General Manager

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Structure Excavation					
Capability	2.50	cu.m/day			
Laborer	429.00	/day			
Labor Cost			429.00	2.50 =	171.60
				Total Cost	= 171.60
Indirect Cost			30% Total Cost	=	51.48
					223.08
Say Overall Unit Cost				=	223.08

Structure Backfill					
Capability	3.00	cu.m/day			
Laborer	429.00	/day			
Labor Cost			429.00	3.00 =	143.00
				Total Cost	= 143.00
Indirect Cost			30% Total Cost	=	42.90
					185.90
Say Overall Unit Cost				=	185.90

Construction Health and Safety Program (CHSP)					
ITEM	QUANTITY	UNIT COST			
First Aider	1.00 x120	400.00		=	48,000.00
Face Mask	20.00 x120	1.00		=	2,400.00
Scanner	20.00	200.00		=	4,000.00
Safety Shoes	20.00	300.00		=	6,000.00
Working Gloves	20.00	200.00		=	4,000.00
Hard Hat	20.00	200.00		=	4,000.00
					68,400.00
Say Overall Unit Cost				=	66,150.00


 MELCHOR E. FLORES
 General Manager



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Class "B" Concrete (Ordinary) (300 m Hauling)							
I. Material Cost:							
Cement	7.00	bags	@	275.00	=	1,925.00	
Gravel	1.00	cum	@	3,400.00	=	3,400.00	
Sand	0.5	cum	@	3,400.00	=	1,700.00	
RSB	40.00	kgs.	@	76.00	=	3,040.00	
Tie wire	0.48	kgs.	@	86.00	=	41.28	
F. Lumber	25.00	b. f.	@	61.00	=	1,525.00	
Cwnail	2.00	kgs.	@	92.00	=	184.00	
Plywood	1.25	pcs.	@	86.00	=	107.50	
						11,922.78	/ cu.m.
II. Labor Cost:							
A. CUT AND BEND							
Steelman	@	650.00	/ day	x 1.00	=	650.00	/ day
Bar Cutter	@	429.00	/ day	x 1.00	=	429.00	/ day
Laborer	@	429.00	/ day	x 1.00	=	429.00	/ day
						1508.00	/ day
Capability	=	10.00	kgs/hr.	x	8.00	=	80.00
		Labor Cost	=	<u>80</u>	/ day	=	18.85000
					kgs/day		
	LaborCost/cu.m =		18.85000	x	40.00	=	754.00
B. FABRICATION AND FORMWORKS							
				3.50 cu.m./day			
Carpenters	@	650.00	/ day	x 2.00	=	1300	/ day
Laborers	@	429.00	/ day	x 4.00	=	1716	/ day
						3016	
Capability	=	3.50	/cu.m /day				
		Labor Cost	=	<u>3016.00</u>		=	861.71
				3.50			/ cu.m
C. CONCRETING AND CURING							
a. With concrete mixer - bagger							
		Capability:		5.00 cu.m/day			
Foreman	@	750.00	/ day	x 1.00	=	750.00	/ day
Mason	@	650.00	/ day	x 2.00	=	1,300.00	/ day
Laborers	@	429.00	/ day	x 8.00	=	3,432.00	/ day
Operator	@	429.00	/ day	x 1.00	=	429.00	/ day
						5,911.00	
		Labor Cost	=	<u>5911.00</u>		=	1182.20
				5.00			/ cu.m
III. Equipment Cost:							
One Bagger Concrete Mixer	=			300.00	/ day		
				Total Cost	=	15,020.69	
Indirect Cost			30% Total Cost		=	4,506.21	
						19,526.90	
Say Overall Unit Cost					=	19,526.91	

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Grouted Riprap

I. Material Cost:

Cement	4.20	bags	@	260.00	=	1,092.00	
Gravel	0.05	cum	@	2,200.00	=	110.00	
Sand	0.35	cum	@	2,000.00	=	700.00	
Boulders	1.00	cum	@	1,700.00	=	1,700.00	
						3,602.00	/ cu.m.

II. Labor Cost:

A. LAYING OF BOULDERS

Capability	=	1.50	cum/ day				
		Labor Cost	=	<u>429.00</u>	/ day		
				1.50	kgs/day	=	286.00000
		LaborCost/cu.m =		<u>286.00000</u>	x	1.00	= <u>286.00</u>

B. CONCRETING AND CURING

a. With concrete mixer - bagger

Capability: 3.00 cu.m/day

Foreman	@	750.00	/ day	x 1.00	=	750.00	/ day
Mason	@	650.00	/ day	x 2.00	=	1,300.00	/ day
Laborers	@	429.00	/ day	x 8.00	=	3,432.00	/ day
Operator	@	429.00	/ day	x 1.00	=	429.00	/ day
						5,911.00	
		Labor Cost	=	<u>5911.00</u>			
				3.00	=	1970.33	/ cu.m

III. Equipment Cost:

One Bagger Concrete Mixer = 300.00 / day

		Total Cost	=	6,158.33
Indirect Cost	30%	Total Cost	=	1,847.50
				8,005.83
Say Overall Unit Cost			=	8,005.84