

DETAILED ESTIMATES
CONSTRUCTION OF FLUME @ Sta. 1+419.30 - Sta. 1+468.90 MC
MOLINO COMMUNAL IRRIGATION SYSTEM
Laurel, Batangas
CONTRACT NO. : 4AB-RRC-23-029

DESCRIPTION		QTY	UNIT	UNIT COST	TOTAL
1.	Class "A" Concrete(Column, Beam & Footing)	5.10	cu.m.	24,251.72	123,683.77
2.	Pipe Support	1.00	LS	286,942.50	286,942.50
3.	Structure Excavation	17.28	cu.m.	210.60	3,639.17
4.	Structure Backfill	7.68	cu.m.	175.50	1,347.84
5.	Purchase, Delivery & Installation of 6" dia. HDPE PIPE (SDR 11) - 6 meters	18.00	rolls	8,055.45	144,998.10
6.	Desilting of dam including disposal	495.35	cu.m.	619.41	306,824.74
7.	Construction Health & Safety Program (CHSP)	1.00	LS	36,020.00	36,020.00
TOTAL PROJECT COST					903,456.12

Prepared By :

KAYRONE PAOLO G. BENDICIO
 KGB ENGINEERING AND CONSTRUCTION



KGB ENGINEERING AND CONSTRUCTION

PROJECT : MOLINO COMMUNAL IRRIGATION SYSTEM

LOCATION : Laurel, Batangas

CONTRACT NO. : 4AB-RRC-23-029

SUMMARY

I. CONSTRUCTION MATERIALS

	Particulars	Unit	Quantity	Unit Price
1.	Cement	bag	1.00	245.00
2.	Gravel	cum	1.00	1,960.00
3.	Sand	cum	1.00	1,285.00
4.	RSB	kg	1.00	70.00
5.	Tie Wire	kg	1.00	75.00
6.	Form Lumber	bd. Ft.	1.00	65.00
7.	CWN	kg	1.00	100.00
8.	Plywood	pcs.	1.00	650.00
9.	Boulders	cum	1.00	1,650.00

II. LABOR/RENTAL RATES (Php)

	Particulars	Quantity	Rate/day
1.	Foreman	1.00	750.00
2.	Mason	1.00	650.00
3.	Laborers	1.00	390.00
4.	LE Operators	1.00	390.00
5.	Carpenters	1.00	650.00
6.	Steelman	1.00	650.00
7.	Mixer	1.00	650.00

Submitted By:


KAYRONE PAOLO G. BENDICIO

General Manager

Handwritten marks and scribbles in the bottom right corner.

KGB ENGINEERING AND CONSTRUCTION

PROJECT : MOLINO COMMUNAL IRRIGATION SYSTEM

LOCATION : Laurel, Batangas

CONTRACT NO. : 4AB-RRC-23-029

CLASS "A" CONCRETE (Column, Beam & Footing)

MATERIAL COST:

Cement	9.00	bags	@	245.00	=	2,205.00	
Gravel	0.90	cum	@	1,960.00	=	1,764.00	
Sand	0.45	cum	@	1,285.00	=	578.25	
RSB	70.00	kgs.	@	70.00	=	4,900.00	
Tie wire	0.84	kgs.	@	75.00	=	63.00	
F. Lumber	25.00	b. f.	@	65.00	=	1,625.00	
Cwnail	2.00	kgs.	@	100.00	=	200.00	
Plywood	1.25	pcs.	@	650.00	=	812.50	
TOTAL MATERIAL COST						12,147.75	/ cu.m.

B. LABOR COST:

1.Cut, Bend and Place of RSB	10%	1,214.78
2.Fabrication,Placing and Dismantling of Forms :	10%	1,214.78
3.Concreting and Curing	25%	3,036.94

C. EQUIPMENT COST

1. Rental/ hr =	5	350.00	/hr
Sub-Total	=	350.00	/hr

SUMMARY:

A.MATERIAL COST	=	12,147.75
B.LABOR COST:		
1.Cut, Bend and Place of RSB	=	1,214.78
2.Fabrication Placing and Dismantling of forms	=	1,214.78
3.Concreting and Curing w/ concrete mixer	=	3,036.94
		5,466.49
C. EQUIPMENT COST		
1. Equipment Cost	=	350.00
TOTAL COST	=	17,964.24
35% INDIRECT COST	=	6,287.48
Total Unit Cost	=	24,251.72

PIPE SUPPORT

A. MATERIAL COST

2" x 2" x 1/4" Angle Bar	34.00	PCS	@	2,730.00	=	92,820.00	
1 1/2" x 1/4"	57.00	PCS	@	1,140.00	=	64,980.00	
Anchor Bolt 16mm dia.	24.00	PCS	@	150.00	=	3,600.00	
Epoxy Primer	3.00	GAL	@	700.00	=	2,100.00	
TOTAL						163,500.00	/ cu.m.

1. Labor	30%	49,050.00
----------	-----	-----------

SUMMARY:

A.MATERIAL COST	=	163,500.00
B.LABOR COST:		
1. Labor	=	49,050.00
		49,050.00
1. Equipment Cost		
TOTAL COST	=	212,550.00
35% INDIRECT COST	=	74,392.50
Total Unit Cost	=	286,942.50

[Handwritten signatures and initials]

STRUCTURE EXCAVATION

Capability: 2.5 cum/ day
 1.00 laborer @ 390.00 / day

Labor cost $\frac{390.00}{2.5 \text{ cu.m/day}}$ = 156.00 /cum

SUMMARY:**A.LABOR COST:**

Labor Cost

TOTAL COST = 156.00
 35% **INDIRECT COST** = 54.60
Total Unit Cost = 210.60

STRUCTURE BACKFILL

Capability: 3.0 cum/ day
 1.00 laborer @ 390.00 / day

Labor cost $\frac{390.00}{3.0 \text{ cu.m/day}}$ = 130.00 /cum

SUMMARY:**A.LABOR COST:**

Labor Cost

TOTAL COST = 130.00
 35% **INDIRECT COST** = 45.50
Total Unit Cost = 175.50

PURCHASE, DELIVERY & INSTALLATION OF 6" DIA. HDPE PIPE (SDR 11) - 6 METERS

MATERIAL COST = 4,590.00

SUMMARY:**A.LABOR COST:**

Labor Cost

TOTAL COST 30% = 1,377.00
 35% **INDIRECT COST** = 5,967.00
Total Unit Cost = 2,088.45
Total Unit Cost = 8,055.45

DESILTING OF DAM INCLUDING DISPOSAL

Capability: 0.9 cum/ day
 1.00 laborer @ 390.00 / day

Labor cost $\frac{390.00}{0.9 \text{ cu.m/day}}$ = 458.82 /cum

SUMMARY:**A.LABOR COST:**

Labor Cost

TOTAL COST = 458.82
 35% **INDIRECT COST** = 160.59
Total Unit Cost = 619.41

Submitted by:


KAYRONE PAOLO G. BENDICIO
 General Manager

Handwritten initials and marks: a checkmark, a large 'D', and other scribbles.

KGB ENGINEERING AND CONSTRUCTION
MOLINO COMMUNAL IRRIGATION SYSTEM
Laurel, Batangas
CONTRACT NO. : 4AB-RRC-23-029

PROJECT :
LOCATION :

CONSTRUCTION SAFETY AND HEALTH PROGRAM

No.	ITEMS	UNIT	QTY	UNIT COST	COST
Materials:					
1	Helmet	pc/day	7	185.00	1,295.00
2	Safety Shoes	pc/day	7	650.00	4,550.00
3	Working Gloves	pc/day	7	25.00	175.00
					6,020.00
Labor:					
	First Aider	/day	1	500.00	30,000.00
			60 days		
				Total EDC	36,020.00
				GRAND TOTAL	36,020.00

Submitted By:

KAYRONE PAOLO G. BENDICIO

General Manager

✓
 ✓
 ✓
 ✓
 ✓