
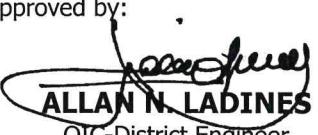


Tel. No. / Cellphone No. / E-mail Address

PURCHASE REQUEST

Entity Name: Department of Public Works and Highways
Zambales 1st. District Engineering Office

Fund Cluster: _____

Office/Section :		PR No.: <u>2024-12-375</u> / _____			Date: <u>12/02/2024</u>	
MAINTENANCE SECTION		Responsibility Center Code : _____				
Stock/ Property No.	Unit	Item Description	Quantity	Unit Cost	Total Cost	
2024-375	cu.m.	Gravel, 3/4" ✓	34 ✓	935.55	31,808.70	
	bags	Portland Cement	513 ✓	224.00	114,912.00	
	cu.m.	Sand	34 ✓	420.55	14,298.70	
	kg.	Reinforcing Steel, 16mm dia - 266 pcs.	1,932.70	45.20	87,358.04	
	kg.	Reinforcing Steel, 12mm dia - 279 pcs.	564.77	45.20	25,527.60	
	cu.m.	Boulders	72.45	810.55	58,724.35	
	kg.	#16 G.I. Tie Wire	10	80.00	800.00	
	pcs.	Marine Plywood, 1/2 thk.	5	710.00	3,550.00	
	bd. ft.	Good Lumber, 20 pcs - 2" x 3" x 12'	120	46.00	5,520.00	
	kg	Assorted Common Wire Nails	7	70.00	490.00	
		Total Estimated Cost		P 342,989.39		
Purpose: Purchase of Materials for Repair of Drainage System along Olongapo -Bugallon Road, K0216+223 - K0 216+350, Right Side.						
Signature : Printed Name : Designation :	Requested by: <div style="text-align: center;">  NICY EDEN D.C. FAJOTA OIC-Chief, Maintenance Section </div>			Approved by: <div style="text-align: center;">  ALLAN N. LADINES OIC-District Engineer </div>		


Republic of the Philippines
DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS
ZAMBALES 1st DISTRICT ENGINEERING OFFICE
Iba, Zambales

Name of Project:	Purchase of Materials for Repair of Drainage System along Olongapo -Bugallon Road, K0216+223 - K0 216+350, Right Side	Roadbed Embankment Width	
Project No.:		Pavement Width:	
Location:	Palauig, Zambales	Bridge Structure:	
Appropriation:	342,989.39	Type of Structure:	
Source of Funds:	AMWP CY 2024	Type of Superstructure:	
Classification:		No. of Span/Storey:	
Limits		No. of Pier: _____ No. of Abuts: _____	
		Starting Date:	
		No. of Days to Complete:	<u>Upon Approval</u>

Net Length:

DESCRIPTION Work to be Done		% OF TOTAL	EQUIPMENT DESCRIPTION NEEDED		AVAILABLE
SPECS ITEM NO	DESCRIPTION	UNIT	QUANTITY	ESTIMATED COST OF PROJECTS	
				UNIT COST	TOTAL COST
Activity 203	Repair and/or Replacement of Minor Drainage Structures	I.s.	1	342,989.39	342,989.39
BREAKDOWN OF ESTIMATES EXPINDETURE			TOTAL		
Labor: Mon-Days P				A. Direct Cost:	342,989.39
Materials:				Sub-Total	
Rental of Equipment: P				B. Construction	
Fuel Spare Parts &				Engineering	
Maint. Of Equipment: P				C. Escalasion	
Cost of Righ of Way: P				Contingency	
VAT:				D. Acquisition of	
Overhead: P				Land (ROW)	
TOTAL:				E.Total Estimated Cost	342,989.39
				say	

PREPARED BY:


ALYSSA J. CALIMLIM
 Engineer II

CHECKED BY:


PETRONILO M. BALONZO, JR.
 Engineer II

ZD


SUBMITTED BY:


NICY EDEN DC. FAJOTA
 OIC - Chief, Maintenance Section

RECOMMENDING APPROVAL:

DENNIS A. NACIN
 OIC - Assistant District Engineer

APPROVED:


ALLAN N. LADINES
 OIC - District Engineer

DETAILED UNIT PRICE ANALYSIS (DUPA)

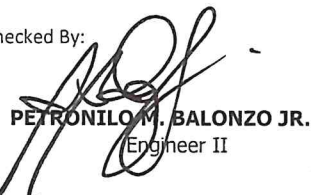
Item No./Description : Activity 203 Purchase of Materials for Repair of Drainage System along Olongapo -Bugallon Road, K0216+223 - K0 2
Unit of Measurement : all
Quantity : 1.00

	Designation	No. of Person	No. of Hours	Hourly Rate	Amount
A.	Labor				
	Maintenance Crew				
	Sub-Total for A				-
	Name and Capacity	No. of Units	No. of Hours	Hourly Rate	Amount
B.	Equipment				
	To be supplied by the office				
	Sub-Total for B				
C.	Total (A + B)				
D.	Output per hour = 1.00 all				
E.	Direct Unit Cost (C ÷ D)				
	Name and Specification	Unit	Quantity	Unit Cost	Amount
F.	Materials				
	a. Gravel, 3/4"	cu.m.	34	935.55	31,808.70
	b. Portland Cement	bags	513	224.00	114,912.00
	c. Sand	cu.m.	34	420.55	14,298.70
	d. Reinforcing Steel, 16mm dia - 266 pcs.	kg.	1,932.70	45.20	87,358.04
	e. Reinforcing Steel, 12mm dia - 279 pcs.	kg.	564.77	45.20	25,527.60
	f. Boulders	cu.m.	72.45	810.55	58,724.35
	g. #16 G.I. Tie Wire	kg.	10	80.00	800.00
	e. Marine Plywood, 1/2 thk.	pcs.	5	710.00	3,550.00
	e. Good Lumber, 20 pcs - 2" x 3" x 12'	bd. ft.	120.00	46.00	5,520.00
	f. Assorted Common Wire Nails	kg	7	70.00	490.00
	Sub-Total for F				342,989.39
g.	Direct Unit Cost (E + F)				342,989.39
H.	Overhead, Contingencies and Miscellaneous (OCM)				of G
I.	Contractor's Profit (CP)				of G
J.	Value Added Tax (VAT)				of (G + H + I)
K	Total Unit Cost				(G + H + I + J) 342,989.39

Prepared By:


ALYSSA J. CALIMLIM
Engineer II

Checked By:


PETRONILO M. BALONZO JR.
Engineer II

BACK-UP COMPUTATION

A. ITEM 505(5)

-

Grouted Riprap

From KO 216+223 to KO 216+350 = 127.00 m. (Collapsed Section of drainage canal)

depth = 0.90 m.

thickness = 0.30 m.

Total Volume = length x thickness x depth x 2 sidings

= 127 l.m. x 0.9 x 0.3 x .9 x 2sidings = 68.58 cu.m.
say 69.00 cu.m.

Cement = 69.00 cu.m x 3 bags/cu.m. = 207 bags

Sand = 69.00 cu.m x 0.25 cu.m./cu.m. = 17 cu.m.

Boulders = 69.00 cu.m x 1.05 cu.m./cu.m. = 72 cu.m.

B. ITEM 405 - STRUCTURAL CONCRETE (CONCRETE COVER)

From KO 216+223 to KO 216+350 = 127.00 m.

Dimension of concrete cover

Width = 0.50 m

Thickness = 0.20 m

Length = 1.20 m

No. of pcs. = 254 pcs.

Total Volume = length x width x thickness no. of pcs. x 1.10 (waste factor)

= 0.50m x 1.20m x 0.20m x 152pcs. x 1.1 = 33.53 cu.m.
say 34.00 cu.m.

Cement = 34.00 cu.m x 10 bags/cu.m. = 306 bags

Sand = 34.00 cu.m x 0.5 cu.m./cu.m. = 17 cu.m.

Gravel, 3/4 = 34.00 cu.m x 1 cu.m./cu.m. = 34 cu.m.

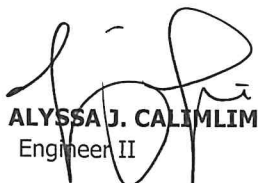
C. ITEM 404 - REINFORCING STEEL

Description	Bar Ø (mm)	No. of pcs.	No. of cover	Length (m)	Rebar Quantity (pcs.)
Main bars	16	4	254	1.2	204
Temp. bars	12	5	254	0.5	106

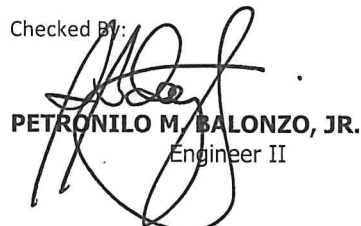
SUMMARY

Cement	-----	513	bags
Sand	-----	34	cu.m.
Gravel, 3/4	-----	34	cu.m.
Reinforcing Steel, 16mmØ	-----	204	pcs.
Reinforcing Steel, 12mmØ	-----	106	pcs.
Boulders	-----	72	cu.m.

Prepared By:


ALYSSA J. CALIMLIM
Engineer II

Checked By:


PETRONILO M. BALONZO, JR.
Engineer II

Contract ID: _____
Contract Name: Purchase of Materials for Repair of Drainage System along Olongapo - Bugallion Road, K0216+223 - K0 216+350, Right Side
Location of the Contract: Palauig, Zambales

APPROVED BUDGET FOR THE CONTRACT

Length: 127.00 l.m.

PREPARED BY:

RECOMMENDING APPROVAL:

APPROVED:

ALLAN N. LADINES
OIC - District Engineer