

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

PURCHASE REQUEST


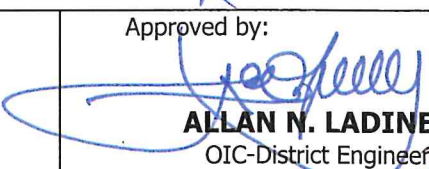
Entity Name: Department of Public Works and Highways
Zambales 1st. District Engineering Office

Fund Cluster: _____

Office/Section :		PR No.: <u>2024-12-366</u> ✓		Date: <u>12/02/2024</u>	
MAINTENANCE SECTION		Responsibility Center Code : _____			
Stock/ Property No.	Unit	Item Description	Quantity	Unit Cost	Total Cost
2024-366 ✓	mt. ✓	Bituminous Tack Coat (Emulsified Asphalt)	0.46 ✓	77,000.00 ✓	35,420.00 ✓
	mt. ✓	Bituminous Concrete Surface course (50 mm thk) ✓	80.28 ✓	12,000.00 ✓	963,360.00 ✓
<p>CHARGE TO : FUND 01105565 FY2024 RA 11975 REGULAR 2024 CURRENT SR2024 -11-020810 DATED 11/27/2024 200000100017000 /50213030-01 MODE</p>					
Total Estimated Cost					P 998,780.00

Purpose:

Purchase of Materials for Maintenance Works (Asphalt Overlay) along Olongapo-Bugallon Road, KO 200+351 - KO 200+445 Bancal, Botolan, Zambales of this district.

Signature : Printed Name : Designation :	Requested by: <div style="text-align: center;">  NICY EDEN DC. FAJOTA OIC-Chief, Maintenance Section </div>	Approved by: <div style="text-align: center;">  ALLAN N. LADINES OIC-District Engineer </div>
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Republic of the Philippines
DEPARTMENT OF PUBLIC WORKS AND HIGHWAYS
ZAMBALES 1st DISTRICT ENGINEERING OFFICE
Iba, Zambales

Name of Project: **Purchase of Materials for Maintenance Works
(Asphalt Overlay) along Olongapo -Bugallon Road,
K0 200+351 - K0 200+445**

Project No.: _____

Location: **Botolan, Zambales**

Appropriation: **998,780.00**

Source of Funds: **AMWP CY 2024**

Classification: **Roads**

Limits: **K0 200+351 - K0 200+445**

Roadbed Embankment Width: _____

Pavement Width: _____

Bridge Structure: _____

Type of Structure: _____

Type of Superstructure: _____

No. of Span/Storey: _____

No. of Pier: _____ No. of Abuts: _____

Starting Date: _____

No. of Days to Complete: _____


Upon Approval

Net Length: **94.00 m**

DESCRIPTION Work to be Done		% OF TOTAL	EQUIPMENT		AVAILABLE
			DESCRIPTION	NEEDED	
a. Asphalt Overlay		100%			
SPECS ITEM NO	DESCRIPTION	UNIT	QUANTITY	ESTIMATED COST OF PROJECTS	
				UNIT COST	TOTAL COST
302(2)	Bituminous Tack Coat (Emulsified Asphalt)	mt.	0.46	77,000.00	35,420.00
310(a.3)	Bituminous Concrete Surface course (50 mm thk)	mt	80.28	12,000.00	963,360.00
BREAKDOWN OF ESTIMATES EXPENDITURE			TOTAL		
Labor: Man-Days P				A. Direct Cost:	998,780.00
Materials:				Sub-Total	
Rental of Equipment: P				B. Construction	
Fuel Spare Parts &				Engineering	
Maint. Of Equipment: P				C. Escalation	
Cost of Righ of Way: P				Contingency	
VAT:				D. Acquisition of	
Overhead: P				Land (ROW)	
TOTAL:				E.Total Estimated Co	998,780.00

PREPARED BY:

PETRONILO M. BALONZO, JR.
Engineer II

CHECKED BY:

ARMANDO D. PANEDA
Engineer II

SUBMITTED BY:


NICCY 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 : 310(a.3) Bituminous Concrete Surface course (50 mm thk)
Unit of Measurement :
Output per hour :

	Designation	No. of Person	No. of Hours	Hourly Rate	Amount
A.	Labor				
	Supplier's Crew will be used				
	Sub-Total for A				-
	Name and Capacity	No. of Units	No. of Hours	Hourly Rate	Amount
B.	Equipment				
	Supplier's equipment will be used				
	Sub-Total for B				-
C.	Total (A + B)				-
D.	Output per hour = 0.00 0				
E.	Direct Unit Cost (C ÷ D)				
	Name and Specification	Unit	Quantity	Unit Cost	Amount
F.	Materials				
	a. Bituminous Concrete Surface Course thickness = 50 mm (w/5% wastage)	mt	80.28	12,000.00	963,360.00
	Sub-Total for F				963,360.00
g.	Direct Unit Cost (E + F)				963,360.00
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)				963,360.00

Prepared by:


PETRONILO M. BALONZO, JR.
Engineer II

Checked by:


ARMANDO D. PANEDA
Engineer II

DETAILED UNIT PRICE ANALYSIS (DUPA)

Item No./Description : 302(2) Bituminous Tack Coat (Emulsified Asphalt)
Unit of Measurement : mt
Output per hour : 0.30

	Designation	No. of Person	No. of Hours	Hourly Rate	Amount
A.	Labor				
	Supplier's Crew will be used				
	Sub-Total for A				-
	Name and Capacity	No. of Units	No. of Hours	Hourly Rate	Amount
B.	Equipment				
	Supplier's equipment will be used				
	Sub-Total for B				-
C.	Total (A + B)				
D.	Output per hour = 0.30 mt				
E.	Direct Unit Cost (C ÷ D)				
	Name and Specification	Unit	Quantity	Unit Cost	Amount
F.	Materials				
	a. Emulsified Asphalt SS-1(w/5% wastage)	mt	0.46	77,000.00	35,420.00
	Sub-Total for F				35,420.00
g.	Direct Unit Cost (E + F)				35,420.00
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)	35,420.00

Prepared by:


PETRONILO M. BALONZO, JR.
Engineer I

Checked by:


ARMANDO O. PANEDA
Engineer II

DETAILED UNIT PRICE ANALYSIS (DUPA)

Item No./Description : 302(2) Bituminous Tack Coat (Emulsified Asphalt)
 Unit of Measurement : mt
 Output per hour : 0.30

	Designation	No. of Person	No. of Hours	Hourly Rate	Amount
A.	Labor				
	Supplier's Crew will be used				
	Sub-Total for A				-
	Name and Capacity	No. of Units	No. of Hours	Hourly Rate	Amount
B.	Equipment				
	Supplier's equipment will be used				
	Sub-Total for B				-
C.	Total (A + B)				-
D.	Output per hour = 0.30 mt				
E.	Direct Unit Cost (C ÷ D)				-
	Name and Specification	Unit	Quantity	Unit Cost	Amount
F.	Materials				
	a. Emulsified Asphalt SS-1(w/5% wastage)	mt	0.46	77,000.00	35,420.00
	Sub-Total for F				35,420.00
g.	Direct Unit Cost (E + F)				35,420.00
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) 35,420.00

Prepared by:


 PETRONILO M. BALONZO, JR.
 Engineer II

Checked by:


 ARMANDO D. PANEDA
 Engineer II

BACK-UP COMPUTATION

Item 302(2) Bituminuous Tack Coat

			Length	Width	Thickness		
OBR	K0 200+351.00 -	K0 200+445.00	94.00 M	7.00 M	0.7/1000	=	0.46 MT

Item 310(a.3) Bituminuous Concrete Surface Course (50mm thk)

			Length	Width	Area	Weight(MT)
OBR	K0 200+351.00 -	K0 200+445.00	94.00 M	7.00 M	658.00 M2	.122MT/m2
						80.276 MT

say 80.28 MT

Prepared by:


PETRONILO M. BALONZO, JR.
Engineer II

Checked by:


ARMANDO B. PANEDA
Engineer II

APPROVED BUDGET FOR THE CONTRACT

PURCHASE OF MATERIALS FOR MAINTENANCE WORKS

PROJECT NAME: Purchase of Materials for Maintenance Works (Asphalt Overlay) along Olongapo -Bugallon Road, K0 200+351 - K0 200+445
LOCATION: Botolan, Zambales
LENGTH: 94.00 m.

ITEM NO	DESCRIPTION	QTY	UNIT	ESTIMATED DIRECT COST	MARK UP IN PERCENT		TOTAL MARK-UPS		VAT	TOTAL INDIRECT COST	TOTAL COST	UNIT COST
					OCM	PROFIT	%	VALUE				
1	2	3	4	5	6	7	8	9	10	11	12	13
302(2)	Bituminous Tack Coat (Emulsified Asphalt)	0.46	mt.	35,420.00							35,420.00	77,000.00
310(a.3)	Bituminous Concrete Surface course (50 mm thk)	80.28	mt	963,360.00							963,360.00	12,000.00
											<u>998,780.00</u>	

Prepared/ Submitted by:

Recommending Approval

Approval:


ALLAN N. LARDINES
OIC - District Engineer

DENNIS A. NACIN
OIC - Asst. District Engineer


NIC EDER DC. FAJOTA
OIC - Chief, Maintenance Section