

Zambales 1st District Engineering Office
OFFICE OF THE DISTRICT ENGINEER
Iba, Zambales

TIN:


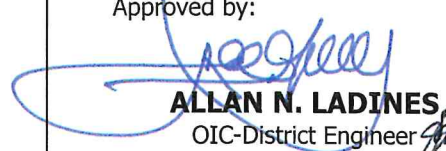
NICY EDEN DC. FAJOTA
OIC-Chief, Maintenance Section
BAC Chairman

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>2024-12-369</u> | | Date: <u>12/02/2024</u> | |
|---|-------|--|----------|---|---------------------|
| MAINTENANCE SECTION | | Responsibility Center Code : _____ | | | |
| Stock/ Property No. | Unit | Item Description | Quantity | Unit Cost | Total Cost |
| 2024-369 ✓ | mt. ✓ | Bituminous Tack Coat (Emulsified Asphalt) ✓ | 0.46 ✓ | 77,000.00 ✓ | 35,420.00 ✓ |
| | mt. ✓ | Bituminous Concrete Surface course (50 mm thk) ✓ | 80.09 ✓ | 12,000.00 ✓ | 961,080.00 ✓ |
| | | <p>CHARGE TO: FUND 01105565 FY2024 RA 11975 REGULAR 2024 CURRENT SR2024-11-020810 DATED 11/27/2024 200000100017000/SD213030-01 MODE</p> | | | |
| | | Total Estimated Cost | | | P 996,500.00 |
| Purpose: Purchase of Materials for Maintenance Works (Asphalt Overlay) along Olongapo-Bugallon Road, KO 248+980 - KO 249+081 Sinabacan 2 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> | |

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 248+980 - K0 249+081**

Project No.: _____

Location: **Candelaria, Zambales**

Appropriation: **996,500.00**

Source of Funds: **AMWP CY 2024**

Classification: **Roads**

Limits: **K0 248+980 - K0 249+081**

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: **101.00 m**

| DESCRIPTION Work to be Done | | % OF TOTAL | EQUIPMENT DESCRIPTION | | NEEDED | AVAILABLE |
|------------------------------------|--|---------------|--------------------------|----------------------------|-------------------------|------------|
| 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 | 80.09 | 12,000.00 | | 961,080.00 |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| BREAKDOWN OF ESTIMATES EXPENDITURE | | | TOTAL | | | |
| Labor: Man-Days P | | | | | A. Direct Cost: | 996,500.00 |
| Materials: | | | | | Sub-Total | |
| Rental of Equipment: P | | | | | B. Construction | |
| Fuel Spare Parts & | | | | | Engineering | |
| Maint. Of Equipment: P | | | | | C. Escalation | |
| Cost of Righth of Way: P | | | | | Contingency | |
| VAT: | | | | | D. Acquisition of | |
| Overhead: P | | | | | Land (ROW) | |
| TOTAL: | | | | | E. Total Estimated Cost | 996,500.00 |

PREPARED BY:

PETRONILO M. BALONZO, JR.
Engineer II

CHECKED BY:

ARMANDO B. PANEDA
Engineer II

SUBMITTED BY:

NICY EBENEC. FAJOTA
OIC - Chief, Maintenance Section

RECOMMENDING APPROVAL:

DENNIS A. NACIN
OIC - Assistant District Engineer

APPROVED:

ALLAN N. LADINES
OIC-District Engineer

BACK-UP COMPUTATION

Item 302(2) Bituminuous Tack Coat

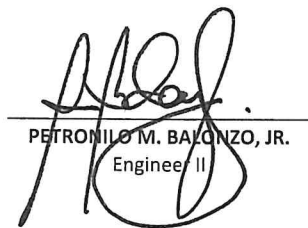
| | | | Length | Width | Thickness | | |
|-----|-----------------|---------------|----------|--------|-----------|---|---------|
| OBR | K0 248+980.00 - | K0 249+081.00 | 101.00 M | 6.50 M | 0.7/1000 | = | 0.46 MT |

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

| | | | Length | Width | Area | Weight(MT) |
|-----|-----------------|---------------|----------|--------|-----------|------------------------|
| OBR | K0 248+980.00 - | K0 249+081.00 | 101.00 M | 6.50 M | 656.50 M2 | .122MT/m2 80.093 MT |

say 80.09 MT

Prepared by:


PETRONILO M. BALONZO, JR.
Engineer II

Checked by:

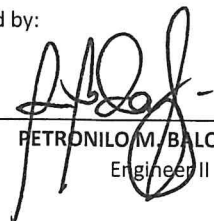

ARMANDO D. PANEDA
Engineer II

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 II

Checked by:


 ARMANDO D. PANEDA
 Engineer II

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 | | | | - |
| 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 | 80.09 | 12,000.00 | 961,080.00 |
| | Sub-Total for F | | | | 961,080.00 |
| g. | Direct Unit Cost (E + F) | | | | 961,080.00 |
| 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) 961,080.00 |

Prepared by:


PETRONILO M. BALONZO, JR.
 Engineer II

Checked by:


ARMANDO D. 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, KO 248+980 - KO 249+081
LOCATION: Candalaria, Zambales
LENGTH: 101.00 m.

| ITEM NO | DESCRIPTION | QTY | UNIT | ESTIMATED DIRECT COST | MARK UP IN PERCENT | | TOTAL MARK-UPS | | VAT | TOTAL INDIRECT COST | TOTAL COST | UNIT COST |
|----------|--|-------|------|-----------------------|--------------------|--------|----------------|-------|-----|---------------------|------------|-----------|
| 1 | 2 | 3 | 4 | 5 | OCM | PROFIT | % | VALUE | 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) | 80.09 | mt | 961,080.00 | | | | | | | 961,080.00 | 12,000.00 |
| | | | | | | | | | | | 996,500.00 | |

Prepared/ Submitted by:

Recommending Approval

Approval:


NICY EDEN/DC. FAJOTA
OIC - Chief, Maintenance Section

DENNIS A. NACIN
OIC - Asst. District Engineer


ALAN N. LADINES
OIC - District Engineer