



## DPWH REGIONAL OFFICE IX

19J00134

## PROGRAM OF WORKS/BUDGET COST

Project : CONCRETING OF BRGY. GATA - GATA FMR , BRGY. GATA - GATA,  
PANGLIMA ESTINO, SULU

Project ID :  
Location : PANGLIMA ESTINO, SULU  
Station Limits : KM 00 + 000.00 - KM 00 + 587.00  
Appropriation : Php 15,000,000.00  
Source of Fund : CY 2019 REGULAR INFRA

Net Length : (a) Road 587.00 ln.m. = 1.174 lane.km.  
(b) Bridge  
(c) Others  
Target Start Date :  
Total Project Duration : 109 CD  
No. of Pre-determined : 18 CD  
Unworkable Days : 9 CD

| DESCRIPTION OF WORKS TO BE DONE             | QUANTITY | UNIT | AS SUBMITTED |                   | AS EVALUATED |                   |
|---|----------|------|--------------|-------------------|--------------|-------------------|
|   |          |      | % TOTAL      | TOTAL DIRECT COST | % TOTAL      | TOTAL DIRECT COST |
| Part A: Facilities for the Engineer         |          |      | 0.00         | -                 |              |                   |
| B: Other General Requirements               |          |      | 3.06         | 363,623.73        |              |                   |
| C: Earthworks                               |          |      | 5.19         | 616,266.86        |              |                   |
| D: Subbase and Base Course                  |          |      | 46.45        | 5,519,668.08      |              |                   |
| E: Surface Courses                          |          |      | 44.28        | 5,261,625.03      |              |                   |
| F: Bridge Construction                      |          |      | 0.00         | -                 |              |                   |
| G: Drainage and Slope Protection Structures |          |      | 0.00         | -                 |              |                   |
| H: Miscellaneous Structures                 |          |      | 1.03         | 122,488.05        |              |                   |
| Total                                       |          |      | 100.00       | 11,883,671.75     |              |                   |

## EQUIPMENT:

| DESCRIPTION                    | REQUIRED |
|--------------------------------|----------|
| (PLS. SEE FORM POW-ANNEX B-00) |          |

## BREAKDOWN OF EXPENDITURES:

|                                    | AS SUBMITTED  | AS EVALUATED |
|------------------------------------|---------------|--------------|
| 1. Labor                           | 129,537.15    |              |
| 2. Materials                       | 10,394,707.39 |              |
| 3. Rental of Equipment             | 1,359,427.21  |              |
| 4. Provisional Sum / Daywork       |               |              |
| 5. OCM and Profit                  | 2,330,993.96  |              |
| 6. Value Added Tax                 | 710,733.29    |              |
| 7. EAO, %                          | 74,601.00     |              |
| 8. RROW Acquisition                | 0.00          |              |
| 9. Physical Reserved (Contingency) |               |              |
| 10. TOTAL ESTIMATED COST           | 15,000,000.00 |              |

|                                       | AS SUBMITTED  | AS EVALUATED |
|---------------------------------------|---------------|--------------|
| A. Total Direct Cost                  | 11,883,671.75 |              |
| B. OCM and Profit                     | 2,330,993.96  |              |
| C. Value Added Tax                    | 710,733.29    |              |
| D. Total Construction Cost            | 14,925,398.99 |              |
| E. Eng'g & Administrative Overhead, % | 74,601.00     |              |
| F. RROW Acquisition                   | 0.00          |              |
| G. Physical Reserved (Contingency)    |               |              |
| H. TOTAL ESTIMATED COST               | 15,000,000.00 |              |

## Preparation and Submission:

Prepared by:

JOSEPHINE B. RENGQUIJO  
Engineer II  
DPWH RO9

Checked/Submitted by:

PIO MARIO T. LACASTESANTOS  
Engineer III  
DPWH RO9

## Evaluation:

Reviewed as to Unit Cost:

SATURNINO Z. TORREFRANCA  
OIC-Chief, Planning & Design Division  
DPWH RO9

## Approval:

Recommending Approval:

KHDAFF D. TANGGOL  
Assistant Regional Director  
DPWH RO9

Approved:

CAYAMOMBA D. DIA, CESO IV  
Regional Director  
DPWH RO9



## DPWH REGIONAL OFFICE IX

CONCRETING OF BRGY. GATA - GATA FMR, BRGY. GATA - GATA, PANGLIMA ESTINO, SULU

PANGLIMA ESTINO, SULU

## APPROVED BUDGET FOR THE CONTRACT

Contract Duration :

109

| ITEM NO. | DESCRIPTION                   |              | ESTIMATED DIRECT COST | TOTAL MARK-UP |              | VAT        | TOTAL INDIRECT COST | TOTAL COST    | UNIT COST |
|----------|-------------------------------|--------------|-----------------------|---------------|--------------|------------|---------------------|---------------|-----------|
|          |                               |              |                       | %             | VALUE        |            |                     |               |           |
| PART A   | FACILITIES FOR THE ENGINEER   | AS EVALUATED |                       |               |              |            |                     |               |           |
|          |                               | AS SUBMITTED | -                     |               | -            | -          | -                   | -             |           |
| PART B   | OTHER GENERAL REQUIREMENTS    | AS EVALUATED |                       |               |              |            |                     |               |           |
|          |                               | AS SUBMITTED | 363,623.73            |               | 26,984.35    | 19,530.40  | 46,514.76           | 410,138.49    |           |
| PART C   | EARTHWORKS                    | AS EVALUATED |                       |               |              |            |                     |               |           |
|          |                               | AS SUBMITTED | 616,266.86            |               | 123,253.37   | 36,976.01  | 160,229.38          | 776,496.24    |           |
| PART D   | SUBBASE AND BASE COURSE       | AS EVALUATED |                       |               |              |            |                     |               |           |
|          |                               | AS SUBMITTED | 5,519,668.08          |               | 1,103,933.62 | 331,180.08 | 1,435,113.70        | 6,954,781.78  |           |
| PART E   | SURFACE COURSE                | AS EVALUATED |                       |               |              |            |                     |               |           |
|          |                               | AS SUBMITTED | 5,261,625.03          |               | 1,052,325.01 | 315,697.50 | 1,368,022.51        | 6,629,647.54  |           |
| PART F   | BRIDGE CONSTRUCTION           | AS EVALUATED |                       |               |              |            |                     |               |           |
|          |                               | AS SUBMITTED | -                     |               | -            | -          | -                   | -             |           |
| PART G   | DRAINAGE AND SLOPE PROTECTION | AS EVALUATED |                       |               |              |            |                     |               |           |
|          |                               | AS SUBMITTED | -                     |               | -            | -          | -                   | -             |           |
| PART H   | MISCELLANEOUS STRUCTURES      | AS EVALUATED |                       |               |              |            |                     |               |           |
|          |                               | AS SUBMITTED | 122,488.05            |               | 24,497.61    | 7,349.28   | 31,846.89           | 154,334.94    |           |
| TOTAL    |                               | AS EVALUATED |                       |               |              |            |                     |               |           |
|          |                               | AS SUBMITTED | 11,883,671.75         |               | 2,330,993.96 | 710,733.29 | 3,041,727.24        | 14,925,398.99 |           |

## Preparation and Submission:

Prepared by:

Checked/Submitted by:

## Evaluation:

## Approval:

Approved:

JOSEPHINE B. RENGQUIJO

Engineer II  
DPWH RO9

PIO MARIO T. LACASYESANTOS

Engineer III

DPWH RO9

SATURNINO C. TORREFRANCA  
OIC, Chief, Planning & Design Division

DPWH RO9

Recommending Approval:

KHADIFFY D. TANGGOL  
Assistant Regional Director  
DPWH RO9CAYAMBAO D. DIA, CESO IV  
Regional Director

DPWH RO9





## DPWH REGIONAL OFFICE IX

CONCRETING OF BRGY. GATA - GATA FMR, BRGY. GATA - GATA, PANGLIMA ESTINO, SULU

PANGLIMA ESTINO, SULU

## APPROVED BUDGET FOR THE CONTRACT

Contract Duration :

| ITEM NO. | DESCRIPTION                            |              | QUANTITY | UNIT  | ESTIMATED DIRECT COST | TOTAL MARK-UP |           | VAT       | TOTAL INDIRECT COST | TOTAL COST | UNIT COST  |
|----------|--|--------------|----------|-------|-----------------------|---------------|-----------|-----------|---------------------|------------|------------|
|          |  |              |          |       |                       | %             | VALUE     |           |                     |            |            |
| PART A   | FACILITIES FOR THE ENGINEER            |              |          |       |                       |               |           |           |                     |            |            |
|          | TOTAL OF PART A                        | AS EVALUATED |          |       |                       |               |           |           |                     |            |            |
|          |  | AS SUBMITTED |          |       | -                     |               | -         | -         | -                   | -          |            |
| PART B   | OTHER GENERAL REQUIREMENTS             |              |          |       |                       |               |           |           |                     |            |            |
| B.5      | Project Billboard/Signboard            | AS EVALUATED |          |       |                       |               |           |           |                     |            |            |
|          |  | AS SUBMITTED | 4.00     | units | 10,675.36             | 20%           | 2,135.07  | 640.52    | 2,775.59            | 13,450.95  | 3,362.74   |
| B.4 (1)  | Construction Survey and Staking        | AS EVALUATED |          |       |                       |               |           |           |                     |            |            |
|          |  | AS SUBMITTED | 0.59     | km.   | 17,169.13             | 20%           | 3,433.83  | 1,030.15  | 4,463.97            | 21,633.11  | 36,853.68  |
| B.7      | Occupational Safety and Health Program | AS EVALUATED |          |       |                       |               |           |           |                     |            |            |
|          |  | AS SUBMITTED | 1.00     | L. S. | 267,693.16            | 8%            | 21,415.45 | 14,455.43 | 35,870.88           | 303,564.04 | 303,564.04 |
| B.9      | Mobilization & Demobilization          | AS EVALUATED |          |       |                       |               |           |           |                     |            |            |
|          |  | AS SUBMITTED | 1.00     | L. S. | 68,086.08             | 0%            | -         | 3,404.30  | 3,404.30            | 71,490.38  | 71,490.38  |
|          | TOTAL OF PART B                        | AS EVALUATED |          |       |                       |               |           |           |                     |            |            |
|          |  | AS SUBMITTED |          |       | 363,623.73            |               | 26,984.35 | 19,530.40 | 46,514.76           | 410,138.49 |            |

Preparation and Submission:

Prepared by:

JOSEPHINE B. RENGQUIJO

Engineer II  
DPWH RO9

Checked/Submitted by:

PIO MARIO T. VASQUESANTOS

Engineer III  
DPWH RO9

Evaluation:

Reviewed as to Unit Cost:

SATURNINO C. TORREFRANCA

PIC-Chief, Planning &amp; Design Division

DPWH RO9

| PART C   | EARTHWORKS                              |              |          |        |              |     |              |            |              |              |          |
|----------|---|--------------|----------|--------|--------------|-----|--------------|------------|--------------|--------------|----------|
| 102(2)   | Surplus Common Excavation               | AS EVALUATED |          |        |              |     |              |            |              |              |          |
|          |   | AS SUBMITTED | 3,253.00 | cu.m.  | 472,249.40   | 20% | 94,449.88    | 28,334.96  | 122,784.84   | 595,034.24   | 182.92   |
| 104(1)a1 | Embankment from Roadway Excavation      | AS EVALUATED |          |        |              |     |              |            |              |              |          |
|          |   | AS SUBMITTED | 270.00   | cu.m.  | 62,474.45    | 20% | 12,494.89    | 3,748.47   | 16,243.36    | 78,717.81    | 291.55   |
| 105(1)a  | Subgrade Preparation                    | AS EVALUATED |          |        |              |     |              |            |              |              |          |
|          |   | AS SUBMITTED | 5,079.00 | sq.m.  | 81,543.01    | 20% | 16,308.60    | 4,892.58   | 21,201.18    | 102,744.19   | 20.23    |
|          | TOTAL OF PART C                         | AS EVALUATED |          |        |              |     |              |            |              |              |          |
|          |   | AS SUBMITTED |          |        | 616,266.86   |     | 123,253.37   | 36,976.01  | 160,229.38   | 776,496.24   |          |
| PART D   | SUBBASE AND BASE COURSE                 |              |          |        |              |     |              |            |              |              |          |
| 200(1)   | Aggregate Subbase Course, 0.30 m. thick | AS EVALUATED |          |        |              |     |              |            |              |              |          |
|          |   | AS SUBMITTED | 1,849.00 | cu. m. | 5,519,668.08 | 20% | 1,103,933.62 | 331,180.08 | 1,435,113.70 | 6,954,781.78 | 3,761.37 |
|          | TOTAL OF PART D                         | AS EVALUATED |          |        |              |     |              |            |              |              |          |
|          |   | AS SUBMITTED |          |        | 5,519,668.08 |     | 1,103,933.62 | 331,180.08 | 1,435,113.70 | 6,954,781.78 |          |

Preparation and Submission:

Prepared by:

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DPWH RO9

Evaluation:

Reviewed as to Unit Cost:

BATURMINO C. TORREFRANCA  
CIC-Chief, Planning & Design Division

DPWH RO9

| PART E   | SURFACE COURSES                                |              |          |        |              |     |              |            |              |              |          |
|----------|--|--------------|----------|--------|--------------|-----|--------------|------------|--------------|--------------|----------|
| 311(1)c1 | Portland Cement Concrete Pavement, 0.23m. Thk. | AS EVALUATED |          |        |              |     |              |            |              |              |          |
|          |  | AS SUBMITTED | 2,935.00 | sq. m. | 5,261,625.03 | 20% | 1,052,325.01 | 315,697.50 | 1,368,022.51 | 6,629,647.54 | 2,258.82 |
|          | TOTAL OF PART E                                | AS EVALUATED |          |        |              |     |              |            |              |              |          |
|          |  | AS SUBMITTED |          |        | 5,261,625.03 |     | 1,052,325.01 | 315,697.50 | 1,368,022.51 | 6,629,647.54 |          |
| PART F   | BRIDGE CONSTRUCTION                            |              |          |        |              |     |              |            |              |              |          |
|          | TOTAL OF PART F                                | AS EVALUATED |          |        |              |     |              |            |              |              |          |
|          |  | AS SUBMITTED |          |        | -            |     | -            | -          | -            | -            |          |
| PART G   | DRAINAGE AND SLOPE PROTECTION STRUCTURES       |              |          |        |              |     |              |            |              |              |          |
|          | TOTAL OF PART G                                | AS EVALUATED |          |        |              |     |              |            |              |              |          |
|          |  | AS SUBMITTED |          |        | -            |     | -            | -          | -            | -            |          |

Preparation and Submission:

Prepared by:

JOSEPHINE B. RENQUIJO

Engineer II  
DPWH RO9

Checked/Submitted by:

PIO MARIO T. MACASTEGANTOS

Engineer III  
DPWH RO9

Evaluation:

Reviewed as to Unit Cost:

SATURNINO C. TORREFRANCA  
O/C-Chief, Planning & Design Division

DPWH RO9

| PART H | MISCELLANEOUS STRUCTURES                             |              |        |       |               |     |              |            |              |               |          |
|--------|--|--------------|--------|-------|---------------|-----|--------------|------------|--------------|---------------|----------|
| 612(1) | Reflectorized Thermoplastic Pavement Marking, White  | AS EVALUATED |        |       |               |     |              |            |              |               |          |
|        |  | AS SUBMITTED | 141.00 | sq.m. | 107,459.05    | 20% | 21,491.81    | 6,447.54   | 27,939.35    | 135,398.41    | 960.27   |
| 612(2) | Reflectorized Thermoplastic Pavement Marking, Yellow | AS EVALUATED |        |       |               |     |              |            |              |               |          |
|        |  | AS SUBMITTED | 18.00  | sq.m. | 15,029.00     | 20% | 3,005.80     | 901.74     | 3,907.54     | 18,936.54     | 1,052.03 |
|        | TOTAL OF PART H                                      | AS EVALUATED |        |       |               |     |              |            |              |               |          |
|        |  | AS SUBMITTED |        |       | 122,488.05    |     | 24,497.61    | 7,349.28   | 31,846.89    | 154,334.94    |          |
|        | GRAND TOTAL  | AS EVALUATED |        |       |               |     |              |            |              |               |          |
|        |  | AS SUBMITTED |        |       | 11,883,671.75 |     | 2,330,993.96 | 710,733.29 | 3,041,727.24 | 14,925,398.99 |          |

Preparation and Submission:

Prepared by:

JOSEPHINE B. RENQUIJO

Engineer II  
DPWH RO9

Checked/Submitted by:

PIO MARIO T. LACAYESANTOS

Engineer III  
DPWH RO9

Evaluation:

Reviewed as to Unit Cost:

SATURNINO C. TORREFRANCA

Chief, Planning & Design Division  
DPWH RO9





**CONCRETING OF BRGY. GATA - GATA FMR, BRGY. GATA - GATA, PANGLIMA ESTINO, SULU**  
PANGLIMA ESTINO, SULU

| MINIMUM EQUIPMENT REQUIREMENT |   |                  |                     |     |                            |          |                     |
|-------------------------------|---|------------------|---------------------|-----|----------------------------|----------|---------------------|
| No.                           | Equipment Description                     | Capacity         | Number of Equipment | No. | Equipment Description      | Capacity | Number of Equipment |
| 1                             | Bulldozer (D6H SERIES II PSDS/DD)         |                  | 1                   | 31  | Air Compressor             |          |                     |
| 2                             | Htdraulic Telescopic Boom Truck           |                  |                     | 32  | Drilling Machione Dry Type |          |                     |
| 3                             | Payloader (LX80-2C)                       | 1.50 m3/1.95 yd3 | 2                   | 33  | Pull Out Tester            |          |                     |
| 4                             | Motorized Road Grader (G710A)             |                  | 2                   | 34  | Grouting Machine           |          |                     |
| 5                             | Vibratory Roller (SD100DC)                | 10mt             | 2                   | 35  | Power Spray                |          |                     |
| 6                             | Plate Compactor (400-500 GASOLINE ENGINE) |                  | 2                   | 36  |                            |          |                     |
| 7                             | Backhoe ( SE 130 LC -2)                   |                  | 2                   | 37  |                            |          |                     |
| 8                             | Backhoe with Breaker ( SE 130 - LC - 2)   |                  | 2                   | 38  |                            |          |                     |
| 9                             | Concrete Screeder (Wacker Truss Screed)   |                  | 2                   | 39  |                            |          |                     |
| 10                            | One Bagger Mixer                          | 4-6ft3/min       | 2                   | 40  |                            |          |                     |
| 11                            | Transit Mixer (All Models)                | 5-6 ya3          | 4                   | 41  |                            |          |                     |
| 12                            | Dump Truck (All Models)                   | 12 yd3           | 8                   | 42  |                            |          |                     |
| 13                            | Cargo/Service Truck (All Models)          | 9 - 10 mt        | 2                   | 43  |                            |          |                     |
| 14                            | Boom Truck (All Models)                   | 2-5 mt           | 1                   | 44  |                            |          |                     |
| 15                            | Water Truck/pump (All Makes)              | 16000 L          | 1                   | 45  |                            |          |                     |
| 16                            | Water Pump, 100 mm suction dia.           | 50 (mm)          | 1                   | 46  |                            |          |                     |
| 17                            | Welding Machine (Gas /Diesel Driven)      |                  | 1                   | 47  |                            |          |                     |
| 18                            | Concrete Vibrator                         |                  | 2                   | 48  |                            |          |                     |
| 19                            | Concrete Saw                              |                  | 2                   | 49  |                            |          |                     |
| 20                            | Bar Cutter                                |                  | 1                   | 50  |                            |          |                     |
| 21                            | Bar Bender                                |                  | 1                   | 51  |                            |          |                     |
| 22                            | Concrete Batch Plant                      |                  | 1                   | 52  |                            |          |                     |
| 23                            | Hydroseeding Machine                      |                  |                     | 53  |                            |          |                     |
| 24                            | Applicator Machine                        |                  | 1                   | 54  |                            |          |                     |
| 25                            | Kneading Machine                          |                  | 1                   | 55  |                            |          |                     |
| 26                            | Cutting Outfit                            |                  | 1                   | 56  |                            |          |                     |
| 27                            |   |                  |                     | 57  |                            |          |                     |
| 28                            |   |                  |                     | 58  |                            |          |                     |
| 29                            |   |                  |                     | 59  |                            |          |                     |
| 30                            |   |                  |                     | 60  |                            |          |                     |
|                               | SUB-TOTAL                                 |                  |                     |     | SUB-TOTAL                  |          |                     |
|                               |   |                  |                     |     | TOTAL                      |          |                     |

**CONCRETING OF BRGY. GATA - GATA FMR, BRGY. GATA - GATA, PANGLIMA ESTINO, SULU**  
**PANGLIMA ESTINO, SULU**  
**DETAILED UNIT PRICE ANALYSIS (DUPA)**

Item No. / Description : B.4(1) Construction Survey and Staking

Quantity : 0.59  
 Unit of Measurement : km.  
 Output per hour - As Submitted : 1.00  
 Output per hour - As Evaluated :

| Designation   | No. of Person/s     | No. of Hours        | Hourly Rate                 | Amount (PHP)        |
|---|---------------------|---------------------|-----------------------------|---------------------|
| <b>Labor</b>  |                     |                     |                             |                     |
| For Fieldworks:   |                     |                     |                             | 0.00                |
| Geodetic Engineer   | 1                   | 27.00               | 104.16                      | 2,812.42            |
| Skilled Laborers  | 1                   | 27.00               | 62.66                       | 1,692.22            |
| Laborers  | 2                   | 27.00               | 48.44                       | 2,615.76            |
| <b>For Office Works:</b>  |                     |                     |                             |                     |
| Geodetic Engineer   | 1                   | 80.00               | 104.16                      | 8,333.10            |
| Skilled laborers  | 1                   | 80.00               | 62.66                       | 5,028.80            |
|   |                     |                     |                             | 0.00                |
| <b>Sub - Total for A.1 - As Submitted</b>                                   |                     |                     |                             | 20,487.30           |
| <b>Labor</b>  |                     |                     |                             |                     |
|   |                     |                     |                             |                     |
| <b>A.2</b>  |                     |                     |                             |                     |
| <b>Sub - Total for A.2 - As Evaluated</b>                                   |                     |                     |                             |                     |
| <b>Name and Capacity</b>  | <b>No. of Units</b> | <b>No. of Hours</b> | <b>Hourly Rate</b>          | <b>Amount (PHP)</b> |
| <b>Equipment</b>  |                     |                     |                             |                     |
| Total Station Complete w/ accessories                                       | 1                   | 27.00               | 100.00                      | 2,700.00            |
| <b>Sub - Total for B.1 - As Submitted</b>                                   |                     |                     |                             | 2,700.00            |
| <b>Equipment</b>  |                     |                     |                             |                     |
| <b>B.2</b>  |                     |                     |                             |                     |
| <b>Sub - Total for B.2 - As Evaluated</b>                                   |                     |                     |                             |                     |
| <b>Total (A.1 + B.1) - As Submitted</b>                                     |                     |                     |                             | 23,187.30           |
| <b>C.2 Total (A.2 + B.2) - As Evaluated</b>                                 |                     |                     |                             | -                   |
| <b>D.1 Output per hour - As Submitted</b>                                   |                     |                     |                             | 1.00                |
| <b>D.2 Output per hour - As Evaluated</b>                                   |                     |                     |                             | 1.00                |
| <b>E.1 Direct Unit Cost (C.1 + D.1) - As Submitted</b>                      |                     |                     |                             | 23,187.30           |
| <b>E.2 Direct Unit Cost (C.2 + D.2) - As Evaluated</b>                      |                     |                     |                             | -                   |
| <b>Name and Specification</b>   | <b>Unit</b>         | <b>Quantity</b>     | <b>Unit Cost</b>            | <b>Amount (PHP)</b> |
| <b>Materials</b>  |                     |                     |                             |                     |
| Standard Stake Plan (800 mm x 910 mm plotting)                              | sheets              | 23.00               | 51.00                       | 1,173.00            |
| blue print as stake plan  | pcs.                | 115.00              | 40.00                       | 4,600.00            |
| miscellaneous(5% of Materials)  |                     |                     | 288.65                      | 288.65              |
| <b>Sub - Total for F.1 - As Submitted</b>                                   |                     |                     |                             | -                   |
| <b>Materials</b>  |                     |                     |                             | 6,061.65            |
| <b>F.2</b>  |                     |                     |                             |                     |
| <b>Sub - Total for F.2 - As Evaluated</b>                                   |                     |                     |                             |                     |
| <b>G.1 Direct Unit Cost (E.1 + F.1) - As Submitted</b>                      |                     |                     |                             | 29,248.95           |
| <b>G.2 Direct Unit Cost (E.2 + F.2) - As Evaluated</b>                      |                     |                     |                             | -                   |
| <b>H.1 Overhead, Contingencies &amp; Miscellaneous (OCM) - As Submitted</b> |                     |                     | 15% / 12% / 10% / 8% of G.1 | 3,509.87            |
| <b>H.2 Overhead, Contingencies &amp; Miscellaneous (OCM) - As Evaluated</b> |                     |                     | 15% / 12% / 10% / 8% of G.2 | -                   |
| <b>I.1 Contractor's Profit (CP) - As Submitted</b>                          |                     |                     | 10% / 8% of G.1             | 2,339.92            |
| <b>I.2 Contractor's Profit (CP) - As Evaluated</b>                          |                     |                     | 10% / 8% of G.2             | -                   |
| <b>J.1 Value Added Tax (VAT) - As Submitted</b>                             |                     |                     | 5% of (G.1 + H.1 + I.1)     | 1,754.94            |
| <b>J.2 Value Added Tax (VAT) - As Evaluated</b>                             |                     |                     | 5% of (G.2 + H.2 + I.2)     | -                   |
| <b>K.1 Total Unit Cost - As Submitted</b>                                   |                     |                     | (G.1 + H.1 + I.1 + J.1)     | 36,653.68           |
| <b>K.2 Total Unit Cost - As Evaluated</b>                                   |                     |                     | (G.2 + H.2 + I.2 + J.2)     | -                   |

Prepared by:

JOSEPHINE B. RENOQUILO  
 Engineer II  
 DPWH RO9

Checked/Reviewed by:

PIO MARIC T. LACASISTAS  
 Engineer III  
 DPWH RO9



**CONCRETING OF BRGY. GATA - GATA FMR, BRGY. GATA - GATA, PANGLIMA ESTINO, SULU**  
**PANGLIMA ESTINO, SULU**  
**DETAILED UNIT PRICE ANALYSIS (DUPA)**

Item No. / Description : B.5 Project Billboard

Quantity : 4.00  
Unit of measurement : each  
Output per hour - As Submitted : 1.00  
Output per hour - As Evaluated :

| Designation  | No. of Persons | No. of Hours | Hourly Rate                 | Amount (Php) |
|--|----------------|--------------|-----------------------------|--------------|
| <b>A.1</b>   |                |              |                             |              |
| Labor  |                |              |                             | 0.00         |
| Const. Foreman   | 1              | 1.00         | 87.10                       | 87.10        |
| Skilled Laborers   | 1              | 1.00         | 62.86                       | 62.86        |
| Laborers   | 2              | 1.00         | 48.44                       | 96.88        |
|  |                |              |                             | 0.00         |
| Sub - Total for A.1 - As Submitted                           |                |              |                             | 246.84       |
| Labor  |                |              |                             |              |
| <b>A.2</b>   |                |              |                             |              |
| Sub - Total for A.2 - As Evaluated                           |                |              |                             |              |
| <b>B.1</b>   |                |              |                             |              |
| Equipment  | No. of Units   | No. of Hours | Hourly Rate                 | Amount (Php) |
|  |                |              |                             | -            |
| Sub - Total for B.1 - As Submitted                           |                |              |                             | -            |
| Equipment  |                |              |                             |              |
| <b>B.2</b>   |                |              |                             |              |
| Sub - Total for B.2 - As Evaluated                           |                |              |                             | 246.84       |
| <b>C.1</b>   |                |              |                             |              |
| Total (A.1 + B.1) - As Submitted                             |                |              |                             | 246.84       |
| <b>C.2</b>   |                |              |                             |              |
| Total (A.2 + B.2) - As Evaluated                             |                |              |                             | -            |
| <b>D.1</b>   |                |              |                             |              |
| Output per hour - As Submitted                               |                |              |                             | 1.00         |
| <b>D.2</b>   |                |              |                             |              |
| Output per hour - As Evaluated                               |                |              |                             | 1.00         |
| <b>E.1</b>   |                |              |                             |              |
| Direct Unit Cost (C.1 + D.1) - As Submitted                  |                |              |                             | 246.84       |
| <b>E.2</b>   |                |              |                             |              |
| Direct Unit Cost (C.2 + D.2) - As Evaluated                  |                |              |                             | -            |
| <b>F.1</b>   |                |              |                             |              |
| Materials  | Unit           | Quantity     | Unit Cost                   | Amount (Php) |
|  |                |              |                             | -            |
| Marine Plywood (3/16" thk. 4' x 6')                          | pc.            | 1.00         | 432.00                      | 432.00       |
| Tarpaulin (4' x 8')  | pc             | 1.00         | 1,250.00                    | 1,250.00     |
| Assorted Sizes lumber  | bd ft.         | 50.00        | 13.00                       | 650.00       |
| Assorted CNV Nails   | kg.            | 1.00         | 90.00                       | 90.00        |
|  |                |              |                             | -            |
| Sub - Total for F.1 - As Submitted                           |                |              |                             | 2,422.00     |
| Materials  |                |              |                             |              |
| <b>F.2</b>   |                |              |                             |              |
| Sub - Total for F.2 - As Evaluated                           |                |              |                             | 2,668.84     |
| <b>G.1</b>   |                |              |                             |              |
| Direct Unit Cost (E.1 + F.1) - As Submitted                  |                |              |                             | -            |
| <b>G.2</b>   |                |              |                             |              |
| Direct Unit Cost (E.2 + F.2) - As Evaluated                  |                |              |                             | 320.26       |
| <b>H.1</b>   |                |              |                             |              |
| Overhead, Contingencies & Miscellaneous (OCM) - As Submitted |                |              | 15% / 12% / 10% / 8% of G.1 | -            |
| <b>H.2</b>   |                |              |                             |              |
| Overhead, Contingencies & Miscellaneous (OCM) - As Evaluated |                |              | 15% / 12% / 10% / 8% of G.2 | -            |
| <b>I.1</b>   |                |              |                             |              |
| Contractor's Profit (CP) - As Submitted                      |                |              | 10% / 8% of G.1             | 213.51       |
| <b>I.2</b>   |                |              |                             |              |
| Contractor's Profit (CP) - As Evaluated                      |                |              | 10% / 8% of G.2             | -            |
| <b>J.1</b>   |                |              |                             |              |
| Value Added Tax (VAT) - As Submitted                         |                |              | 5% of (G.1 + H.1 + I.1)     | 160.13       |
| <b>J.2</b>   |                |              |                             |              |
| Value Added Tax (VAT) - As Evaluated                         |                |              | 5% of (G.2 + H.2 + I.2)     | -            |
| <b>K.1</b>   |                |              |                             |              |
| Total Unit Cost - As Submitted                               |                |              | (G.1 + H.1 + I.1 + J.1)     | 3,382.74     |
| <b>K.2</b>   |                |              |                             |              |
| Total Unit Cost - As Evaluated                               |                |              | (G.2 + H.2 + I.2 + J.2)     | -            |

Prepared by: 

JOSEPHINE B. REMONILLO  
Engineer II  
DPWH-CO

Checked/Reviewed by: 

PIO MARIO T. L. SANTOS  
Engineer III  
DPWH-CO9

**CONCRETING OF BRGY. GATA - GATA FMR, BRGY. GATA - GATA, PANGILIMA ESTINO, SULU**  
**PANGILIMA ESTINO, SULU**  
**DETAILED UNIT PRICE ANALYSIS (DUPA)**

Item No. / Description : B.5 Project Billboard

Quantity : 4.00  
 Unit of Measurement : each  
 Output per hour - As Submitted : 1.00  
 Output per hour - As Evaluated :

| Designation  | No. of Persons      | No. of Hours        | Hourly Rate                 | Amount (Php)        |
|--|---------------------|---------------------|-----------------------------|---------------------|
| <b>A.1</b>   |                     |                     |                             |                     |
| Labor  |                     |                     |                             | 0.00                |
| Const. Foreman   | 1                   | 1.00                | 87.10                       | 87.10               |
| Skilled Laborers   | 1                   | 1.00                | 62.86                       | 62.86               |
| Laborers   | 2                   | 1.00                | 48.44                       | 96.88               |
|  |                     |                     |                             | 0.00                |
| Sub - Total for A.1 - As Submitted                           |                     |                     |                             | 246.84              |
| Labor  |                     |                     |                             |                     |
| <b>A.2</b>   |                     |                     |                             |                     |
| Sub - Total for A.2 - As Evaluated                           |                     |                     |                             |                     |
| <b>Name and Capacity</b>                                     | <b>No. of Units</b> | <b>No. of Hours</b> | <b>Hourly Rate</b>          | <b>Amount (Php)</b> |
| <b>B.1</b>   |                     |                     |                             |                     |
| Equipment  |                     |                     |                             | -                   |
| Sub - Total for B.1 - As Submitted                           |                     |                     |                             | -                   |
| Equipment  |                     |                     |                             | -                   |
| <b>B.2</b>   |                     |                     |                             |                     |
| Sub - Total for B.2 - As Evaluated                           |                     |                     |                             | 246.84              |
| <b>C.1</b>   |                     |                     |                             |                     |
| Total (A.1 + B.1) - As Submitted                             |                     |                     |                             | 246.84              |
| <b>C.2</b>   |                     |                     |                             |                     |
| Total (A.2 + B.2) - As Evaluated                             |                     |                     |                             | 1.00                |
| <b>D.1</b>   |                     |                     |                             |                     |
| Output per hour - As Submitted                               |                     |                     |                             | 1.00                |
| <b>D.2</b>   |                     |                     |                             |                     |
| Direct Unit Cost (C.1 + D.1) - As Submitted                  |                     |                     |                             | 246.84              |
| <b>E.1</b>   |                     |                     |                             |                     |
| Direct Unit Cost (C.2 + D.2) - As Evaluated                  |                     |                     |                             | -                   |
| <b>Name and Specification</b>                                | <b>Unit</b>         | <b>Quantity</b>     | <b>Unit Cost</b>            | <b>Amount (Php)</b> |
| <b>Materials</b>   |                     |                     |                             |                     |
| Marine Plywood (3/16" thk. 4' x 8')                          | pc.                 | 1.00                | 432.00                      | 432.00              |
| Tapalan (4' x 8')  | pc                  | 1.00                | 1,250.00                    | 1,250.00            |
| Assorted Sizes lumber  | bd ft.              | 50.00               | 13.00                       | 650.00              |
| Assorted CIV Nails   | kg.                 | 1.00                | 90.00                       | 90.00               |
|  |                     |                     |                             | -                   |
| Sub - Total for F.1 - As Submitted                           |                     |                     |                             | 2,422.00            |
| <b>Materials</b>   |                     |                     |                             |                     |
| <b>F.2</b>   |                     |                     |                             |                     |
| Sub - Total for F.2 - As Evaluated                           |                     |                     |                             | 2,668.84            |
| <b>G.1</b>   |                     |                     |                             |                     |
| Direct Unit Cost (E.1 + F.1) - As Submitted                  |                     |                     |                             | -                   |
| <b>G.2</b>   |                     |                     |                             |                     |
| Direct Unit Cost (E.2 + F.2) - As Evaluated                  |                     |                     |                             | 320.26              |
| <b>H.1</b>   |                     |                     |                             |                     |
| Overhead, Contingencies & Miscellaneous (OCM) - As Submitted |                     |                     | 15% / 12% / 10% / 8% of G.1 | -                   |
| <b>H.2</b>   |                     |                     |                             |                     |
| Overhead, Contingencies & Miscellaneous (OCM) - As Evaluated |                     |                     | 15% / 12% / 10% / 8% of G.2 | -                   |
| <b>I.1</b>   |                     |                     |                             |                     |
| Contractor's Profit (CP) - As Submitted                      |                     |                     | 10% / 8% of G.1             | 213.51              |
| <b>I.2</b>   |                     |                     |                             |                     |
| Contractor's Profit (CP) - As Evaluated                      |                     |                     | 10% / 8% of G.2             | -                   |
| <b>J.1</b>   |                     |                     |                             |                     |
| Value Added Tax (VAT) - As Submitted                         |                     |                     | 5% of (G.1 + H.1 + I.1)     | 160.13              |
| <b>J.2</b>   |                     |                     |                             |                     |
| Value Added Tax (VAT) - As Evaluated                         |                     |                     | 5% of (G.2 + H.2 + I.2)     | -                   |
| <b>K.1</b>   |                     |                     |                             |                     |
| Total Unit Cost - As Submitted                               |                     |                     | (G.1 + H.1 + I.1 + J.1)     | 3,362.74            |
| <b>K.2</b>   |                     |                     |                             |                     |
| Total Unit Cost - As Evaluated                               |                     |                     | (G.2 + H.2 + I.2 + J.2)     | -                   |

Prepared by:

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 Engineer II  
 DPWH RO9

Checked/Reviewed by:

PIOT MARATO T. JAVIER  
 Engineer III  
 DPWH RO9


**CONCRETING OF BRGY. GATA - GATA FMR, BRGY. GATA - GATA, PANGILIMA ESTINO, SULU**  
**PANGILIMA ESTINO, SULU**  
**DETAILED UNIT PRICE ANALYSIS (DUPA)**

Item No. / Description : B.7 Occupational Safety and Health Program

Quantity : 1.00  
 Unit of Measurement : LS.  
 Output per hour - As Submitted : 1.00  
 Output per hour - As Evaluated :

| Designation  | No. of Persons | No. of Hours | Hourly Rate                 | Amount (Php) |
|--|----------------|--------------|-----------------------------|--------------|
| <b>A.1</b>   |                |              |                             |              |
| Labor  |                |              |                             | 0.00         |
| Solely Practitioner  | 1              | 218.00       | 62.85                       | 13,703.48    |
| First Aider  | 1              | 872.00       | 48.44                       | 42,239.68    |
|  |                |              |                             | 0.00         |
|  |                |              |                             | 0.00         |
| Sub - Total for A.1 - As Submitted                           |                |              |                             | 55,943.16    |
| Labor  |                |              |                             |              |
| <b>A.2</b>   |                |              |                             |              |
| Sub - Total for A.2 - As Evaluated                           |                |              |                             |              |
| <b>B.1</b>   |                |              |                             |              |
| Equipment  | No. of Units   | No. of Hours | Hourly Rate                 | Amount (Php) |
|  |                |              |                             | -            |
|  |                |              |                             | -            |
| Sub - Total for B.1 - As Submitted                           |                |              |                             | -            |
| Equipment  |                |              |                             |              |
| <b>B.2</b>   |                |              |                             |              |
| Sub - Total for B.2 - As Evaluated                           |                |              |                             | 55,943.16    |
| <b>C.1</b>   |                |              |                             |              |
| Total (A.1 + B.1) - As Submitted                             |                |              |                             | -            |
| <b>C.2</b>   |                |              |                             |              |
| Total (A.2 + B.2) - As Evaluated                             |                |              |                             | 1.00         |
| <b>D.1</b>   |                |              |                             |              |
| Output per hour - As Submitted                               |                |              |                             | 1.00         |
| <b>D.2</b>   |                |              |                             |              |
| Output per hour - As Evaluated                               |                |              |                             | 55,943.16    |
| <b>E.1</b>   |                |              |                             |              |
| Direct Unit Cost (C.1 + D.1) - As Submitted                  |                |              |                             | -            |
| <b>E.2</b>   |                |              |                             |              |
| Direct Unit Cost (C.2 + D.2) - As Evaluated                  |                |              |                             |              |
| <b>F.1</b>   |                |              |                             |              |
| Materials  | Unit           | Quantity     | Unit Cost                   | Amount (Php) |
|  |                |              |                             | -            |
| Rubber Boots/Men Long w/ Steel Toe, Black                    | pc.            | 30.00        | 500.00                      | 15,000.00    |
| Working Gloves (Heavy Materials)                             | pc             | 30.00        | 175.00                      | 5,250.00     |
| Rain Coats (Reinforced Hip)                                  | bd ft.         | 30.00        | 300.00                      | 9,000.00     |
| First Aids Kit (Complete medicines & tools)                  | set            | 1.00         | 2,500.00                    | 2,500.00     |
| Barbwire/Signboards  | pcs.           | 15.00        | 12,000.00                   | 180,000.00   |
|  |                |              |                             | -            |
| Sub - Total for F.1 - As Submitted                           |                |              |                             | 211,750.00   |
| Materials  |                |              |                             |              |
| <b>F.2</b>   |                |              |                             |              |
| Sub - Total for F.2 - As Evaluated                           |                |              |                             | 267,693.16   |
| <b>G.1</b>   |                |              |                             |              |
| Direct Unit Cost (E.1 + F.1) - As Submitted                  |                |              |                             | -            |
| <b>G.2</b>   |                |              |                             |              |
| Direct Unit Cost (E.2 + F.2) - As Evaluated                  |                |              |                             | 32,123.18    |
| <b>H.1</b>   |                |              |                             |              |
| Overhead, Contingencies & Miscellaneous (OCM) - As Submitted |                |              | 15% / 12% / 10% / 8% of G.1 | -            |
| <b>H.2</b>   |                |              |                             |              |
| Overhead, Contingencies & Miscellaneous (OCM) - As Evaluated |                |              | 15% / 12% / 10% / 8% of G.2 | 21,415.45    |
| <b>I.1</b>   |                |              |                             |              |
| Contractor's Profit (CP) - As Submitted                      |                |              | 10% / 8% of G.1             | -            |
| <b>I.2</b>   |                |              |                             |              |
| Contractor's Profit (CP) - As Evaluated                      |                |              | 10% / 8% of G.2             | 16,061.59    |
| <b>J.1</b>   |                |              |                             |              |
| Value Added Tax (VAT) - As Submitted                         |                |              | 5% of (G.1 + H.1 + I.1)     | -            |
| <b>J.2</b>   |                |              |                             |              |
| Value Added Tax (VAT) - As Evaluated                         |                |              | 5% of (G.2 + H.2 + I.2)     | -            |
| <b>K.1</b>   |                |              |                             |              |
| Total Unit Cost - As Submitted                               |                |              | (G.1 + H.1 + I.1 + J.1)     | 337,293.38   |
| <b>K.2</b>   |                |              |                             |              |
| Total Unit Cost - As Evaluated                               |                |              | (G.2 + H.2 + I.2 + J.2)     | -            |

Prepared by:

  
 JOSEPHINE B. REYES-NIULIO  
 Engineer  
 DPWH RO9

Checked/Reviewed by:

  
 PIO MARIO L. REYES-SAMROS  
 Engineer III  
 DPWH RO9



**CONCRETING OF BRGY. GATA - GATA FMR, BRGY. GATA - GATA, PANGLIMA ESTINO, SULU**  
**DETAILED UNIT PRICE ANALYSIS (DUPA)**

Item No. / Description : B.9 Mobilization/Demobilization

Quantity : 1.00  
Unit of Measurement : 1s.  
Output per hour - As Submitted : 1.00  
Output per hour - As Evaluated :

| Designation  | No. of Persons | No. of Hours | Hourly Rate                 | Amount (Php) |
|--|----------------|--------------|-----------------------------|--------------|
| A.1 Labor  |                |              |                             | 0.00         |
| Sub - Total for A.1 - As Submitted                               |                |              |                             | 0.00         |
| Sub - Total for A.1 - As Submitted                               |                |              |                             | 0.00         |
| A.2 Labor  |                |              |                             |              |
| Sub - Total for A.2 - As Evaluated                               |                |              |                             |              |
| Name and Capacity  | No. of Units   | No. of Hours | Hourly Rate                 | Amount (Php) |
| B.1 Equipment  |                |              |                             |              |
| Low Bed Trailer  | 2              | 8.00         | 4,255.38                    | 68,086.08    |
| Sub - Total for B.1 - As Submitted                               |                |              |                             | 68,086.08    |
| B.2 Equipment  |                |              |                             |              |
| Sub - Total for B.2 - As Evaluated                               |                |              |                             | 68,086.08    |
| C.1 Total (A.1 + B.1) - As Submitted                             |                |              |                             | 68,086.08    |
| C.2 Total (A.2 + B.2) - As Evaluated                             |                |              |                             | 1.00         |
| D.1 Output per hour - As Submitted                               |                |              |                             | 1.00         |
| D.2 Output per hour - As Evaluated                               |                |              |                             | 68,086.08    |
| E.1 Direct Unit Cost (C.1 + D.1) - As Submitted                  |                |              |                             | -            |
| E.2 Direct Unit Cost (C.2 + D.2) - As Evaluated                  |                |              |                             | -            |
| Name and Specification   | Unit           | Quantity     | Unit Cost                   | Amount (Php) |
| F.1 Materials  |                |              |                             | -            |
| Sub - Total for F.1 - As Submitted                               |                |              |                             | -            |
| F.2 Materials  |                |              |                             | -            |
| Sub - Total for F.2 - As Evaluated                               |                |              |                             | 68,086.08    |
| G.1 Direct Unit Cost (E.1 + F.1) - As Submitted                  |                |              |                             | -            |
| G.2 Direct Unit Cost (E.2 + F.2) - As Evaluated                  |                |              |                             | -            |
| H.1 Overhead, Contingencies & Miscellaneous (OCM) - As Submitted |                |              | 15% / 12% / 10% / 8% of G.1 | -            |
| H.2 Overhead, Contingencies & Miscellaneous (OCM) - As Evaluated |                |              | 15% / 12% / 10% / 8% of G.2 | -            |
| I.1 Contractor's Profit (CP) - As Submitted                      |                |              | 10% / 8% of G.1             | -            |
| I.2 Contractor's Profit (CP) - As Evaluated                      |                |              | 10% / 8% of G.2             | -            |
| J.1 Value Added Tax (VAT) - As Submitted                         |                |              | 5% of (G.1 + H.1 + I.1)     | 3,404.30     |
| J.2 Value Added Tax (VAT) - As Evaluated                         |                |              | 5% of (G.2 + H.2 + I.2)     | -            |
| K.1 Total Unit Cost - As Submitted                               |                |              | (G.1 + H.1 + I.1 + J.1)     | 71,490.38    |
| K.2 Total Unit Cost - As Evaluated                               |                |              | (G.2 + H.2 + I.2 + J.2)     | -            |

Prepared by:

JOSEPHINE B. REAGUINO  
Engineer III  
DPWH-RO9

Checked/Reviewed by:

PRO. MARLO L. MANSANGLOS  
Engineer III  
DPWH-RO9

## DETAILED UNIT PRICE ANALYSIS (DUPA)

102(2) Surplus Common Excavation

|   |          |
|---|----------|
| : | 3,253.00 |
| : | curr.    |
| : | 80.00    |
| : |          |
| : |          |

|     | Designation  | No. of Persons                     | No. of Hours | Hourly Rate | Amount (PHP)                |
|-----|--|------------------------------------|--------------|-------------|-----------------------------|
| A.1 | Labor  |                                    |              |             | 87.10                       |
|     | Const. Foreman   | 1                                  | 1.00         | 87.10       | 87.10                       |
|     | Labors   | 2                                  | 1.00         | 48.44       | 96.88                       |
|     |  |                                    |              |             |                             |
|     | Sub - Total for A.1 - As Submitted                           |                                    |              |             | 184.98                      |
| A.2 | Labor  |                                    |              |             |                             |
|     |  |                                    |              |             |                             |
|     |  |                                    |              |             |                             |
|     |  |                                    |              |             |                             |
|     | Sub - Total for A.2 - As Evaluated                           |                                    |              |             |                             |
|     | Name and Capacity  | No. of Units                       | No. of Hours | Hourly Rate | Amount (PHP)                |
|     | Equipment  |                                    |              |             |                             |
|     | Bulldozer  | 1                                  | 1.00         | 3,379.00    | 3,379.00                    |
|     | Payloader  | 1                                  | 1.00         | 1,733.00    | 1,733.00                    |
|     | Payloader  | 1                                  | 0.30         | 1,733.00    | 519.90                      |
|     | Dump Truck   | 3                                  | 1.00         | 1,420.00    | 4,260.00                    |
|     | Backhoe  | 1                                  | 1.00         | 1,537.00    | 1,537.00                    |
|     | Sub - Total for B.1 - As Submitted                           |                                    |              |             | 11,428.90                   |
|     | Equipment  |                                    |              |             |                             |
|     |  |                                    |              |             |                             |
|     |  |                                    |              |             |                             |
|     |  |                                    |              |             |                             |
|     |  |                                    |              |             |                             |
|     | B.2  | Sub - Total for B.2 - As Evaluated |              |             |                             |
| C.1 | Total (A.1 + B.1) - As Submitted                             |                                    |              |             | 11,613.88                   |
| C.2 | Total (A.2 + B.2) - As Evaluated                             |                                    |              |             | 80.00                       |
| D.1 | Output per hour - As Submitted                               |                                    |              |             | 80.00                       |
| D.2 | Output per hour - As Evaluated                               |                                    |              |             | 445.17                      |
| E.1 | Direct Unit Cost (C.1 + D.1) - As Submitted                  |                                    |              |             | -                           |
| E.2 | Direct Unit Cost (C.2 + D.2) - As Evaluated                  |                                    |              |             | -                           |
| F.1 | Name and Specification                                       | Unit                               | Quantity     | Unit Cost   | Amount (PHP)                |
|     | Materials  |                                    |              |             |                             |
|     |  |                                    |              |             |                             |
|     |  |                                    |              |             |                             |
|     |  |                                    |              |             |                             |
|     |  |                                    |              |             |                             |
|     |  |                                    |              |             |                             |
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|     |  |                                    |              |             |                             |
|     |  |                                    |              |             |                             |
|     |  |                                    |              |             |                             |
|     |  |                                    |              |             |                             |
| F.2 | Sub - Total for F.1 - As Submitted                           |                                    |              |             | -                           |
| F.2 | Materials  |                                    |              |             |                             |
|     |  |                                    |              |             |                             |
|     |  |                                    |              |             |                             |
|     |  |                                    |              |             |                             |
|     |  |                                    |              |             |                             |
|     |  |                                    |              |             |                             |
|     |  |                                    |              |             |                             |
|     |  |                                    |              |             |                             |
|     |  |                                    |              |             |                             |
|     |  |                                    |              |             |                             |
|     |  |                                    |              |             |                             |
|     |  |                                    |              |             |                             |
|     |  |                                    |              |             |                             |
|     |  |                                    |              |             |                             |
| G.1 | Sub - Total for F.2 - As Evaluated                           |                                    |              |             | 145.17                      |
| G.2 | Direct Unit Cost (E.1 + F.1) - As Submitted                  |                                    |              |             | -                           |
|     | Direct Unit Cost (E.2 + F.2) - As Evaluated                  |                                    |              |             | 17.42                       |
|     |  |                                    |              |             | -                           |
|     |  |                                    |              |             | -                           |
|     |  |                                    |              |             | -                           |
|     |  |                                    |              |             | -                           |
|     |  |                                    |              |             | -                           |
|     |  |                                    |              |             | -                           |
|     |  |                                    |              |             | -                           |
|     |  |                                    |              |             | -                           |
|     |  |                                    |              |             | -                           |
|     |  |                                    |              |             | -                           |
|     |  |                                    |              |             | -                           |
|     |  |                                    |              |             | -                           |
| H.1 | Overhead, Contingencies & Miscellaneous (OCM) - As Submitted |                                    |              |             | 15% / 12% / 10% / 8% of G.1 |
| H.2 | Overhead, Contingencies & Miscellaneous (OCM) - As Evaluated |                                    |              |             | 15% / 12% / 10% / 8% of G.2 |
| I.1 | Contractor's Profit (CP) - As Submitted                      |                                    |              |             | 10% / 8% of G.1             |
| I.2 | Contractor's Profit (CP) - As Evaluated                      |                                    |              |             | 10% / 8% of G.2             |
| J.1 | Value Added Tax (VAT) - As Submitted                         |                                    |              |             | 5% of (G.2 + H.2 + I.2)     |
| J.2 | Value Added Tax (VAT) - As Evaluated                         |                                    |              |             | 5% of (G.2 + H.2 + I.2)     |
| K.1 | Total Unit Cost - As Submitted                               |                                    |              |             | (G.1 + H.1 + I.1 + J.1)     |
| K.2 | Total Unit Cost - As Evaluated                               |                                    |              |             | (G.2 + H.2 + I.2 + J.2)     |

Prepared by:

JOSEPHINE R. PAVENHILL

DP/MHRC9

~~Checked/Reviewed by:~~

PIO MARIO T.1/SECRETARIATOS

**CONCRETING OF BRGY. GATA - GATA FMIR, BRGY. GATA - GATA, PANGILIMA ESTINO, SULU**  
**DETAILED UNIT PRICE ANALYSIS (DUPA)**

Item No. / Description : 104(1)a1 Embankment from Excavation

Quantity : 270.00  
Unit of Measurement : cu.m.  
Output per hour - As Submitted : 50.00  
Output per hour - As Evaluated :

| Designation   | No. of Persons      | No. of Hours        | Hourly Rate                 | Amount (Php)        |
|---|---------------------|---------------------|-----------------------------|---------------------|
| <b>Labor</b>  |                     |                     |                             |                     |
| Excavation Work:  |                     |                     |                             |                     |
| Const. Foreman  | 1                   | 0.83                | 87.10                       | 72.29               |
| Labors  | 2                   | 0.83                | 48.44                       | 80.41               |
| <b>A.1</b>  |                     |                     |                             |                     |
| Spreading & Compaction:   |                     |                     |                             |                     |
| Const. Foreman  | 1                   | 1.00                | 87.10                       | 87.10               |
| Labors  | 2                   | 1.00                | 48.44                       | 96.88               |
| <b>Sub - Total for A.1 - As Submitted</b>                                   |                     |                     |                             | 337.68              |
| <b>Labor</b>  |                     |                     |                             |                     |
| <b>A.2</b>  |                     |                     |                             |                     |
| <b>Sub - Total for A.2 - As Evaluated</b>                                   |                     |                     |                             |                     |
| <b>Name and Capacity</b>  | <b>No. of Units</b> | <b>No. of Hours</b> | <b>Hourly Rate</b>          | <b>Amount (Php)</b> |
| <b>Equipment</b>  |                     |                     |                             |                     |
| Excavation Work:  |                     |                     |                             |                     |
| Backhoe   | 1                   | 0.83                | 3,379.00                    | 2,804.57            |
| Payloader   | 1                   | 0.83                | 1,733.00                    | 1,438.39            |
| Dump Truck  | 2                   | 0.83                | 1,420.00                    | 2,357.20            |
| <b>B.1</b>  |                     |                     |                             |                     |
| Spreading & Compaction:   |                     |                     |                             |                     |
| Road Grader   | 1                   | 1.00                | 2,173.00                    | 2,173.00            |
| Road Roller   | 1                   | 1.00                | 1,846.00                    | 1,846.00            |
| Water Truck   | 1                   | 0.25                | 2,450.00                    | 612.50              |
| <b>Sub - Total for B.1 - As Submitted</b>                                   |                     |                     |                             | 11,231.66           |
| <b>Equipment</b>  |                     |                     |                             |                     |
| <b>B.2</b>  |                     |                     |                             |                     |
| <b>Sub - Total for B.2 - As Evaluated</b>                                   |                     |                     |                             | 11,569.34           |
| <b>C.1 Total (A.1 + B.1) - As Submitted</b>                                 |                     |                     |                             | -                   |
| <b>C.2 Total (A.2 + B.2) - As Evaluated</b>                                 |                     |                     |                             | 50.00               |
| <b>D.1 Output per hour - As Submitted</b>                                   |                     |                     |                             | 50.00               |
| <b>D.2 Output per hour - As Evaluated</b>                                   |                     |                     |                             | 231.39              |
| <b>E.1 Direct Unit Cost (C.1 ÷ D.1) - As Submitted</b>                      |                     |                     |                             | -                   |
| <b>E.2 Direct Unit Cost (C.2 ÷ D.2) - As Evaluated</b>                      |                     |                     |                             | -                   |
| <b>Name and Specification</b>   | <b>Unit</b>         | <b>Quantity</b>     | <b>Unit Cost</b>            | <b>Amount (Php)</b> |
| <b>Materials</b>  |                     |                     |                             |                     |
| <b>F.1</b>  |                     |                     |                             |                     |
| <b>Sub - Total for F.1 - As Submitted</b>                                   |                     |                     |                             | -                   |
| <b>Materials</b>  |                     |                     |                             |                     |
| <b>F.2</b>  |                     |                     |                             |                     |
| <b>Sub - Total for F.2 - As Evaluated</b>                                   |                     |                     |                             | 231.39              |
| <b>G.1 Direct Unit Cost (E.1 + F.1) - As Submitted</b>                      |                     |                     |                             | -                   |
| <b>G.2 Direct Unit Cost (E.2 + F.2) - As Evaluated</b>                      |                     |                     |                             | 21.77               |
| <b>H.1 Overhead, Contingencies &amp; Miscellaneous (OCM) - As Submitted</b> |                     |                     | 15% / 12% / 10% / 8% of G.1 | -                   |
| <b>H.2 Overhead, Contingencies &amp; Miscellaneous (OCM) - As Evaluated</b> |                     |                     | 15% / 12% / 10% / 8% of G.2 | 18.51               |
| <b>I.1 Contractor's Profit (CP) - As Submitted</b>                          |                     |                     | 10% / 8% of G.1             | -                   |
| <b>I.2 Contractor's Profit (CP) - As Evaluated</b>                          |                     |                     | 10% / 8% of G.2             | 13.83               |
| <b>J.1 Value Added Tax (VAT) - As Submitted</b>                             |                     |                     | 5% of (G.1 + H.1 + I.1)     | -                   |
| <b>J.2 Value Added Tax (VAT) - As Evaluated</b>                             |                     |                     | 5% of (G.2 + H.2 + I.2)     | 291.55              |
| <b>K.1 Total Unit Cost - As Submitted</b>                                   |                     |                     | (G.1 + H.1 + I.1 + J.1)     | -                   |
| <b>K.2 Total Unit Cost - As Evaluated</b>                                   |                     |                     | (G.2 + H.2 + I.2 + J.2)     | -                   |

Prepared by:

JOSEPHINE B. REYES  
Engineer  
DPWH RO9

Checked/Reviewed by:

PIO MARIO T. LACAYAN  
Engineer III  
DPWH RO9



### DETAILED UNIT PRICE ANALYSIS (DUPA)

### Subgrade Preparation

5,079.00  
sq.m.  
300.00

|     | Designation    | No. of Persons | No. of Hours | Hourly Rate | Amount (Php) |
|-----|----------------|----------------|--------------|-------------|--------------|
| A.1 | Labor          |                |              |             |              |
|     | Const. Foreman | 1              | 1.00         | 87.10       | 87.10        |
|     | Laborers       | 2              | 1.00         | 48.44       | 96.88        |
|     |                |                |              |             | 0.00         |
| A.2 |                |                |              |             |              |
|     |                |                |              |             |              |
|     |                |                |              |             |              |
|     |                |                |              |             |              |
| B.1 |                |                |              |             |              |
|     |                |                |              |             |              |
|     |                |                |              |             |              |
|     |                |                |              |             |              |
| B.2 |                |                |              |             |              |
|     |                |                |              |             |              |
|     |                |                |              |             |              |
|     |                |                |              |             |              |
| C.1 |                |                |              |             |              |
|     |                |                |              |             |              |
|     |                |                |              |             |              |
|     |                |                |              |             |              |
| D.1 |                |                |              |             |              |
|     |                |                |              |             |              |
|     |                |                |              |             |              |
|     |                |                |              |             |              |
| E.1 |                |                |              |             |              |
|     |                |                |              |             |              |
|     |                |                |              |             |              |
|     |                |                |              |             |              |
| E.2 |                |                |              |             |              |
|     |                |                |              |             |              |
|     |                |                |              |             |              |
|     |                |                |              |             |              |
| F.1 |                |                |              |             |              |
|     |                |                |              |             |              |
|     |                |                |              |             |              |
|     |                |                |              |             |              |
| F.2 |                |                |              |             |              |
|     |                |                |              |             |              |
|     |                |                |              |             |              |
|     |                |                |              |             |              |
| G.1 |                |                |              |             |              |
|     |                |                |              |             |              |
|     |                |                |              |             |              |
|     |                |                |              |             |              |
| G.2 |                |                |              |             |              |
|     |                |                |              |             |              |
|     |                |                |              |             |              |
|     |                |                |              |             |              |
| H.1 |                |                |              |             |              |
|     |                |                |              |             |              |
|     |                |                |              |             |              |
|     |                |                |              |             |              |
| H.2 |                |                |              |             |              |
|     |                |                |              |             |              |
|     |                |                |              |             |              |
|     |                |                |              |             |              |
| I.1 |                |                |              |             |              |
|     |                |                |              |             |              |
|     |                |                |              |             |              |
|     |                |                |              |             |              |
| I.2 |                |                |              |             |              |
|     |                |                |              |             |              |
|     |                |                |              |             |              |
|     |                |                |              |             |              |
| J.1 |                |                |              |             |              |
|     |                |                |              |             |              |
|     |                |                |              |             |              |
|     |                |                |              |             |              |
| J.2 |                |                |              |             |              |
|     |                |                |              |             |              |
|     |                |                |              |             |              |
|     |                |                |              |             |              |
| K.1 |                |                |              |             |              |
|     |                |                |              |             |              |
|     |                |                |              |             |              |
|     |                |                |              |             |              |
| K.2 |                |                |              |             |              |
|     |                |                |              |             |              |
|     |                |                |              |             |              |
|     |                |                |              |             |              |

Checked/Reviewed by:

PIO MARIO T. LAOAG JR.

С. П. Мухоморов

PROH

**CONCRETING OF BRGY. GATA - GATA FMR, BRGY. GATA - GATA, PANGLIMA ESTINO, SULU**  
**DETAILED UNIT PRICE ANALYSIS (DUPA)**

Item No. / Description : 200(1) Aggregate Subbas Course

Quantity : 1,849.00  
 Unit of Measurement : cu.m.  
 Output per hour - As Submitted : 50.00  
 Output per hour - As Evaluated :

| Designation  | No. of Persons      | No. of Hours        | Hourly Rate                 | Amount (Php)        |
|--|---------------------|---------------------|-----------------------------|---------------------|
| <b>A.1</b>   |                     |                     |                             |                     |
| Labor  |                     |                     |                             |                     |
| Conl. Foreman  | 1                   | 1.00                | 87.10                       | 87.10               |
| Labores  | 2                   | 1.00                | 48.44                       | 96.88               |
|  |                     |                     |                             | 0.00                |
|  |                     |                     |                             | 0.00                |
| Sub - Total for A.1 - As Submitted                           |                     |                     |                             | 184.98              |
| Labor  |                     |                     |                             |                     |
| <b>A.2</b>   |                     |                     |                             |                     |
| Sub - Total for A.2 - As Evaluated                           |                     |                     |                             |                     |
| <b>Name and Capacity</b>                                     | <b>No. of Units</b> | <b>No. of Hours</b> | <b>Hourly Rate</b>          | <b>Amount (Php)</b> |
| Equipment  |                     |                     |                             |                     |
| Road Grader  | 1                   | 1.00                | 2,173.00                    | 2,173.00            |
| Road Roller  | 1                   | 1.00                | 1,846.00                    | 1,846.00            |
| Water Truck  | 1                   | 0.25                | 2,450.00                    | 612.50              |
|  |                     |                     |                             | -                   |
|  |                     |                     |                             | -                   |
|  |                     |                     |                             | -                   |
| Sub - Total for B.1 - As Submitted                           |                     |                     |                             | 4,631.50            |
| Equipment  |                     |                     |                             |                     |
| <b>B.2</b>   |                     |                     |                             |                     |
| Sub - Total for B.2 - As Evaluated                           |                     |                     |                             |                     |
| <b>C.1</b>   |                     |                     |                             |                     |
| Total (A.1 + B.1) - As Submitted                             |                     |                     |                             | 4,816.48            |
| <b>C.2</b>   |                     |                     |                             |                     |
| Total (A.2 + B.2) - As Evaluated                             |                     |                     |                             | -                   |
| <b>D.1</b>   |                     |                     |                             |                     |
| Output per hour - As Submitted                               |                     |                     |                             | 50.00               |
| <b>D.2</b>   |                     |                     |                             |                     |
| Output per hour - As Evaluated                               |                     |                     |                             | 50.00               |
| <b>E.1</b>   |                     |                     |                             |                     |
| Direct Unit Cost (C.1 + D.1) - As Submitted                  |                     |                     |                             | 96.33               |
| <b>E.2</b>   |                     |                     |                             |                     |
| Direct Unit Cost (C.2 + D.2) - As Evaluated                  |                     |                     |                             | -                   |
| <b>Name and Specification</b>                                | <b>Unit</b>         | <b>Quantity</b>     | <b>Unit Cost</b>            | <b>Amount (Php)</b> |
| <b>Materials</b>   |                     |                     |                             |                     |
| Aggregate Subbase Course                                     | cum.                | 1.15                | 2,512.08                    | 2,888.89            |
| (w/ 15% shrinkage)   |                     |                     |                             | -                   |
| <b>F.1</b>   |                     |                     |                             |                     |
|  |                     |                     |                             | -                   |
|  |                     |                     |                             | -                   |
|  |                     |                     |                             | -                   |
|  |                     |                     |                             | -                   |
| Sub - Total for F.1 - As Submitted                           |                     |                     |                             | 2,888.89            |
| <b>Materials</b>   |                     |                     |                             |                     |
| <b>F.2</b>   |                     |                     |                             |                     |
| Sub - Total for F.2 - As Evaluated                           |                     |                     |                             |                     |
| <b>G.1</b>   |                     |                     |                             |                     |
| Direct Unit Cost (E.1 + F.1) - As Submitted                  |                     |                     |                             | 2,985.22            |
| <b>G.2</b>   |                     |                     |                             |                     |
| Direct Unit Cost (E.2 + F.2) - As Evaluated                  |                     |                     |                             | -                   |
| <b>H.1</b>   |                     |                     |                             |                     |
| Overhead, Contingencies & Miscellaneous (OCM) - As Submitted |                     |                     | 15% / 12% / 10% / 8% of G.1 | 358.23              |
| <b>H.2</b>   |                     |                     |                             |                     |
| Overhead, Contingencies & Miscellaneous (OCM) - As Evaluated |                     |                     | 15% / 12% / 10% / 8% of G.2 | -                   |
| <b>I.1</b>   |                     |                     |                             |                     |
| Contractor's Profit (CP) - As Submitted                      |                     |                     | 10% / 8% of G.1             | 238.82              |
| <b>I.2</b>   |                     |                     |                             |                     |
| Contractor's Profit (CP) - As Evaluated                      |                     |                     | 10% / 8% of G.2             | -                   |
| <b>J.1</b>   |                     |                     |                             |                     |
| Value Added Tax (VAT) - As Submitted                         |                     |                     | 5% of (G.1 + H.1 + I.1)     | 179.11              |
| <b>J.2</b>   |                     |                     |                             |                     |
| Value Added Tax (VAT) - As Evaluated                         |                     |                     | 5% of (G.2 + H.2 + I.2)     | -                   |
| <b>K.1</b>   |                     |                     |                             |                     |
| Total Unit Cost - As Submitted                               |                     |                     | (G.1 + H.1 + I.1 + J.1)     | 3,761.37            |
| <b>K.2</b>   |                     |                     |                             |                     |
| Total Unit Cost - As Evaluated                               |                     |                     | (G.2 + H.2 + I.2 + J.2)     | -                   |

Prepared by:

JOSEPHINE B. REYES  
 Engineer  
 DWH RO9

Checked/Reviewed by:

PIO MARIO T. LACOR  
 Engineer III  
 DWH RO9



**CONCRETING OF BRGY. GATA - GATA FMIR, BRGY. GATA - GATA, PANGILIMA ESTINO, SULU**  
PANGILIMA ESTINO, SULU  
**DETAILED UNIT PRICE ANALYSIS (DUPA)**

Item No. / Description : 311(t)c1 Portland Cement Concrete Pavement, 0.23m. Thk.

Quantity : 2,935.00  
Unit of Measurement : sq.m.  
Output per hour - As Submitted : 70.00  
Output per hour - As Evaluated :

| Designation   | No. of Person/s | No. of Hours | Hourly Rate | Amount (Php)     |
|---|-----------------|--------------|-------------|------------------|
| <b>A.1</b>  |                 |              |             |                  |
| Labor   |                 |              |             |                  |
| Conl. Foreman   | 1               | 1.00         | 87.10       | 87.10            |
| Skilled Laborers  | 4               | 1.00         | 62.86       | 251.44           |
| Laborers  | 12              | 1.00         | 48.44       | 581.28           |
| <b>Sub - Total for A.1 - As Submitted</b>                               |                 |              |             | <b>920.82</b>    |
| <b>Labor</b>  |                 |              |             |                  |
| <b>A.2</b>  |                 |              |             |                  |
| <b>Sub - Total for A.2 - As Evaluated</b>                               |                 |              |             |                  |
| <b>Equipment</b>  |                 |              |             |                  |
| <b>B.1</b>  |                 |              |             |                  |
| Transl Mixer  | 4               | 1.00         | 1,318.00    | 5,272.00         |
| Concrete Vibrator   | 2               | 1.00         | 91.25       | 182.50           |
| Concrete Batch Plant  | 1               | 1.00         | 1,759.50    | 1,759.50         |
| Payloader   | 1               | 1.00         | 1,733.00    | 1,733.00         |
| Concrete Screeder   | 1               | 1.00         | 545.00      | 545.00           |
| Water Truck/Pump  | 1               | 1.00         | 2,460.00    | 2,460.00         |
| Concrete Saw  | 1               | 1.00         | 32.63       | 32.63            |
| Bar Cutter  | 1               | 0.10         | 219.75      | 21.98            |
| Mixer Tools (5% of Labor Cost)  |                 |              |             | 46.04            |
| <b>Sub - Total for B.1 - As Submitted</b>                               |                 |              |             | <b>12,042.55</b> |
| <b>Equipment</b>  |                 |              |             |                  |
| <b>B.2</b>  |                 |              |             |                  |
| <b>Sub - Total for B.2 - As Evaluated</b>                               |                 |              |             |                  |
| <b>C.1</b>  |                 |              |             |                  |
| <b>Total (A.1 + B.1) - As Submitted</b>                                 |                 |              |             | <b>12,963.47</b> |
| <b>C.2</b>  |                 |              |             |                  |
| <b>Total (A.2 + B.2) - As Evaluated</b>                                 |                 |              |             | <b>-</b>         |
| <b>D.1</b>  |                 |              |             |                  |
| <b>Output per hour - As Submitted</b>                                   |                 |              |             | <b>70.00</b>     |
| <b>D.2</b>  |                 |              |             |                  |
| <b>Output per hour - As Evaluated</b>                                   |                 |              |             | <b>185.19</b>    |
| <b>E.1</b>  |                 |              |             |                  |
| <b>Direct Unit Cost (C.1 + D.1) - As Submitted</b>                      |                 |              |             | <b>-</b>         |
| <b>E.2</b>  |                 |              |             |                  |
| <b>Direct Unit Cost (C.2 + D.2) - As Evaluated</b>                      |                 |              |             | <b>-</b>         |
| <b>Materials</b>  |                 |              |             |                  |
| Reinforcing Steel Bar   | kg              | 0.43         | 49.00       | 21.07            |
| Curing Compound   | L               | 0.29         | 48.00       | 13.92            |
| Asphalt Sealer  | L               | 0.12         | 73.64       | 8.84             |
| Steel Forms   | m               | 0.46         | 60.00       | 27.60            |
| Fine Aggregates   | cum             | 0.1265       | 2,487.08    | 314.62           |
| Coarse Aggregates   | cum             | 0.23         | 2,387.08    | 549.03           |
| Portland Cement   | bag             | 2.19         | 305.00      | 667.95           |
| Concrete Saw (Diamond Blade 14" dia.)                                   | pc              | 0.00015      | 8,000.00    | 1.20             |
| Pipe Shear, 1" dia.   | m               | 0.00071      | 263.33      | 1.87             |
| Grease/Lar  | L               | 0.00087      | 165.00      | 1.44             |
| <b>Sub - Total for F.1 - As Submitted</b>                               |                 |              |             | <b>1,507.52</b>  |
| <b>Materials</b>  |                 |              |             |                  |
| <b>F.2</b>  |                 |              |             |                  |
| <b>Sub - Total for F.2 - As Evaluated</b>                               |                 |              |             |                  |
| <b>G.1</b>  |                 |              |             |                  |
| <b>Direct Unit Cost (E.1 + F.1) - As Submitted</b>                      |                 |              |             | <b>1,792.72</b>  |
| <b>G.2</b>  |                 |              |             |                  |
| <b>Direct Unit Cost (E.2 + F.2) - As Evaluated</b>                      |                 |              |             | <b>-</b>         |
| <b>H.1</b>  |                 |              |             |                  |
| <b>Overhead, Contingencies &amp; Miscellaneous (OCM) - As Submitted</b> |                 |              |             | <b>215.13</b>    |
| <b>H.2</b>  |                 |              |             |                  |
| <b>Overhead, Contingencies &amp; Miscellaneous (OCM) - As Evaluated</b> |                 |              |             | <b>-</b>         |
| <b>I.1</b>  |                 |              |             |                  |
| <b>Contractor's Profit (CP) - As Submitted</b>                          |                 |              |             | <b>143.42</b>    |
| <b>I.2</b>  |                 |              |             |                  |
| <b>Contractor's Profit (CP) - As Evaluated</b>                          |                 |              |             | <b>-</b>         |
| <b>J.1</b>  |                 |              |             |                  |
| <b>Value Added Tax (VAT) - As Submitted</b>                             |                 |              |             | <b>101.56</b>    |
| <b>J.2</b>  |                 |              |             |                  |
| <b>Value Added Tax (VAT) - As Evaluated</b>                             |                 |              |             | <b>-</b>         |
| <b>K.1</b>  |                 |              |             |                  |
| <b>Total Unit Cost - As Submitted</b>                                   |                 |              |             | <b>2,258.82</b>  |
| <b>K.2</b>  |                 |              |             |                  |
| <b>Total Unit Cost - As Evaluated</b>                                   |                 |              |             | <b>-</b>         |

Prepared by:

JOSEPHINE B. REYES  
Engineer  
DP/WH RO9

Checked/Reviewed by:

PRO-MARIO T. JAVIER  
Engineer III  
DP/WH RO9



## DETAILED UNIT PRICE ANALYSIS (DUPA)

### Reflectorized Pavement Markings, White

|   |        |
|---|--------|
| : | 141.00 |
| : | sq.m.  |
| : | 25.00  |
| : |        |

|     | Designation  | No. of Persons | No. of Hours | Hourly Rate | Amount (Php)            |
|-----|--|----------------|--------------|-------------|-------------------------|
| A.1 | Labor  |                |              |             |                         |
|     | Const. Foreman   | 1              | 1.00         | 87.10       | 87.10                   |
|     | Skilled Laborers   | 2              | 1.00         | 62.86       | 125.72                  |
|     | Laborers   | 6              | 1.00         | 48.44       | 290.64                  |
|     |  |                |              |             | 0.00                    |
|     |  |                |              |             |                         |
| A.2 | Sub - Total for A.1 - As Submitted                               |                |              |             | 417.36                  |
|     | Labor  |                |              |             |                         |
|     |  |                |              |             |                         |
|     |  |                |              |             |                         |
|     |  |                |              |             |                         |
|     |  |                |              |             |                         |
| B.1 | Sub - Total for A.2 - As Evaluated                               |                |              |             |                         |
|     | Name and Capacity  | No. of Units   | No. of Hours | Hourly Rate | Amount (Php)            |
|     | Equipment  |                |              |             |                         |
|     | Cargo Truck  | 1              | 1.00         | 1,212.00    | 1,212.00                |
|     | Applicator Machine   | 1              | 1.00         | 93.75       | 93.75                   |
|     | Kneading Machine   | 1              | 1.00         | 187.50      | 187.50                  |
| B.2 | Minor Tools (10 % of Labor)                                      |                |              |             | -                       |
|     | Sub - Total for B.1 - As Submitted                               |                |              |             | 41.74                   |
|     | Equipment  |                |              |             | 1,534.99                |
|     |  |                |              |             |                         |
|     |  |                |              |             |                         |
|     |  |                |              |             |                         |
| C.1 | Sub - Total for B.2 - As Evaluated                               |                |              |             |                         |
|     | Total (A.1 + B.1) - As Submitted                                 |                |              |             | 1,992.35                |
|     | C.2 Total (A.2 + B.2) - As Evaluated                             |                |              |             | -                       |
|     | D.1 Output per hour - As Submitted                               |                |              |             | 25.00                   |
|     | D.2 Output per hour - As Evaluated                               |                |              |             | 25.00                   |
|     | E.1 Direct Unit Cost (C.1 ÷ D.1) - As Submitted                  |                |              |             | 78.09                   |
| E.2 | Direct Unit Cost (C.2 ÷ D.2) - As Evaluated                      |                |              |             | -                       |
|     | Name and Specification   | Unit           | Quantity     | Unit Cost   | Amount (Php)            |
|     | Materials  |                |              |             | -                       |
|     |  |                |              |             | -                       |
|     |  |                |              |             | -                       |
|     |  |                |              |             | -                       |
| F.1 | Thermoplastic Paint White  | bag            | 0.325        | 1,585.00    | 515.13                  |
|     | Glass Beads  | bag            | 0.033        | 2,500.00    | 82.50                   |
|     | Primer   | l              | 0.120        | 200.00      | 24.00                   |
|     | LP(G-20 lg)  | cg             | 0.004        | 4,500.00    | 18.00                   |
|     | LP(G-12 kg)  | cg             | 0.002        | 1,080.00    | 2.16                    |
|     | Casuarine  | kg.            | 0.125        | 30.00       | 3.75                    |
| F.2 | Misc.(5% of Materials Cost)                                      |                |              |             | 32.28                   |
|     |  |                |              |             | -                       |
|     |  |                |              |             | 6.22                    |
|     |  |                |              |             | 694.03                  |
|     | Sub - Total for F.1 - As Submitted                               |                |              |             |                         |
|     | Materials  |                |              |             |                         |
| G.1 | Sub - Total for F.2 - As Evaluated                               |                |              |             |                         |
|     | Direct Unit Cost (E.1 + F.1) - As Submitted                      |                |              |             | 762.12                  |
|     | G.2 Direct Unit Cost (E.2 + F.2) - As Evaluated                  |                |              |             | -                       |
|     | H.1 Overhead, Contingencies & Miscellaneous (OCM) - As Submitted |                |              |             | 91.45                   |
|     | H.2 Overhead, Contingencies & Miscellaneous (OCM) - As Evaluated |                |              |             | -                       |
|     | I.1 Contractor's Profit (CP) - As Submitted                      |                |              |             | 60.97                   |
| J.1 | Value Added Tax (VAT) - As Evaluated                             |                |              |             | -                       |
|     | J.2 Value Added Tax (VAT) - As Submitted                         |                |              |             | 45.73                   |
|     | J.3 Value Added Tax (VAT) - As Evaluated                         |                |              |             | -                       |
|     | K.1 Total Unit Cost - As Submitted                               |                |              |             | 990.27                  |
|     | K.2 Total Unit Cost - As Evaluated                               |                |              |             | -                       |
|     |  |                |              |             | (G.2 + H.2 + I.2 + J.2) |

Checked/Reviewed by:

Engineer  
DPWH FOS

Engineer III  
DPX/HRO9

Engineer III  
DPX/HRO9

**CONCRETING OF BRGY. GATA - GATA FMR, BRGY. GATA, PANGILIMA ESTINO, SULU**  
**PANGILIMA ESTINO, SULU**  
**DETAILED UNIT PRICE ANALYSIS (DUPA)**

Item No. / Description : 61212) ReflectORIZED Pavement Markings, Yellow

Quantity : 18.00  
Unit of Measurement : sq.m.  
Output per hour - As Submitted : 25.00  
Output per hour - As Evaluated :

| Designation  | No. of Person/s | No. of Hours | Hourly Rate                   | Amount (PHP) |
|--|-----------------|--------------|-------------------------------|--------------|
| <b>A.1</b>   |                 |              |                               |              |
| Labor  |                 |              |                               |              |
| Const. Foreman   | 1               | 1.00         | 87.10                         | 87.10        |
| Skilled laborers   | 2               | 1.00         | 62.86                         | 125.72       |
| Labores  | 6               | 1.00         | 48.44                         | 290.64       |
|  |                 |              |                               | 0.00         |
| Sub - Total for A.1 - As Submitted                           |                 |              |                               | 417.36       |
| Labor  |                 |              |                               |              |
|  |                 |              |                               |              |
| <b>A.2</b>   |                 |              |                               |              |
| Sub - Total for A.2 - As Evaluated                           |                 |              |                               |              |
| Equipment  |                 |              |                               |              |
| Cargo Truck  | 1               | 1.00         | 1,212.00                      | 1,212.00     |
| Applicator Machine   | 1               | 1.00         | 93.75                         | 93.75        |
| Kneading Machine   | 1               | 1.00         | 187.50                        | 187.50       |
|  |                 |              |                               |              |
| Minor Tools (10 % of labor)                                  |                 |              |                               | 41.74        |
| Sub - Total for B.1 - As Submitted                           |                 |              |                               | 1,534.99     |
| Equipment  |                 |              |                               |              |
|  |                 |              |                               |              |
| <b>B.2</b>   |                 |              |                               |              |
| Sub - Total for B.2 - As Evaluated                           |                 |              |                               |              |
| <b>C.1</b>   |                 |              |                               |              |
| Total (A.1 + B.1) - As Submitted                             |                 |              |                               | 1,952.35     |
| <b>C.2</b>   |                 |              |                               |              |
| Total (A.2 + B.2) - As Evaluated                             |                 |              |                               |              |
| <b>D.1</b>   |                 |              |                               |              |
| Output per hour - As Submitted                               |                 |              |                               | 25.00        |
| <b>D.2</b>   |                 |              |                               |              |
| Output per hour - As Evaluated                               |                 |              |                               | 78.09        |
| <b>E.1</b>   |                 |              |                               |              |
| Direct Unit Cost (C.1 + D.1) - As Submitted                  |                 |              |                               |              |
| <b>E.2</b>   |                 |              |                               |              |
| Direct Unit Cost (C.2 + D.2) - As Evaluated                  |                 |              |                               |              |
| <b>F.1</b>   |                 |              |                               |              |
| Materials  |                 |              |                               |              |
| Thermoplastic Paint White                                    | bag             | 0.325        | 1,800.00                      | 585.00       |
| Glass Beads  | bag             | 0.033        | 2,500.00                      | 82.50        |
| Primer   | l               | 0.120        | 245.00                        | 29.40        |
| LPG(60 kg)   | gfl             | 0.004        | 4,500.00                      | 18.00        |
| LPG (12 kg)  | gfl             | 0.002        | 1,080.00                      | 2.16         |
| Casurine   | kg.             | 0.125        | 30.00                         | 3.75         |
|  |                 |              |                               |              |
| Misc (5% of Materials Cost)                                  |                 |              |                               | 36.04        |
|  |                 |              |                               |              |
| Sub - Total for F.1 - As Submitted                           |                 |              |                               | 766.85       |
| Materials  |                 |              |                               |              |
|  |                 |              |                               |              |
| <b>F.2</b>   |                 |              |                               |              |
| Sub - Total for F.2 - As Evaluated                           |                 |              |                               |              |
| <b>G.1</b>   |                 |              |                               |              |
| Direct Unit Cost (E.1 + F.1) - As Submitted                  |                 |              |                               | 834.94       |
| <b>G.2</b>   |                 |              |                               |              |
| Direct Unit Cost (E.2 + F.2) - As Evaluated                  |                 |              |                               |              |
| H.1  |                 |              |                               |              |
| Overhead, Contingencies & Miscellaneous (OCM) - As Submitted |                 |              | 15% / 12% / 10% / 8% of G.1   | 100.19       |
| H.2  |                 |              |                               |              |
| Overhead, Contingencies & Miscellaneous (OCM) - As Evaluated |                 |              | 15% / 12% / 10% / 8% of G.2   |              |
| I.1  |                 |              |                               |              |
| Contractor's Profit (CP) - As Submitted                      |                 |              | 10% / 8% of G.1               | 65.80        |
| I.2  |                 |              |                               |              |
| Contractor's Profit (CP) - As Evaluated                      |                 |              | 10% / 8% of G.2               |              |
| J.1  |                 |              |                               |              |
| Value Added Tax (VAT) - As Submitted                         |                 |              | 5% of (G.1 + H.1 + I.1)       | 50.10        |
| J.2  |                 |              |                               |              |
| Value Added Tax (VAT) - As Evaluated                         |                 |              | 5% of (G.2 + H.2 + I.2 + J.1) |              |
| K.1  |                 |              |                               |              |
| Total Unit Cost - As Submitted                               |                 |              | (G.1 + H.1 + I.1 + J.1)       | 1,452.03     |
| K.2  |                 |              |                               |              |
| Total Unit Cost - As Evaluated                               |                 |              | (G.2 + H.2 + I.2 + J.2)       |              |

Prepared by:

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Checked/Reviewed by:

PIDHARIO T. CRISTOBAL

Engineer III

DPW109

# UNIT COST ANALYSIS FOR HAULING COST FOR ALL AGGREGATES

## Hauling Cost from the Cocobato supplier to Wharf 1 (Colabato)

|            |                |                           |                 |
|------------|----------------|---------------------------|-----------------|
| Item No. : | ALL AGGREGATES | Terrain :                 | Flat to Rolling |
| Quantity : | 1,000.00       | Unit :                    | cu.m.           |
|            |                | Hauling Distance :        | 5.00 km.        |
|            |                | Effective Working Hours : | 8.00 hrs.       |

## Hauling: Using 10.00 cu.m.capacity Dumptruck

|  |   |           |                   |
|--|---|-----------|-------------------|
| Weight of Dumptruck (cap. 10.00 cu.m.) | : | 16,000.00 | kg.               |
| Unit weight of Fine Aggregates         | : | 1,640.00  | kg/m <sup>3</sup> |
| Unit weight of Coarse Aggregates       | : | 1,534.00  | kg/m <sup>3</sup> |
| Maximum Volume to be Carried per DT    | : | 11.57     | cu.m.             |

### \*Dumptruck (10 Wheel) days computation : TIME-MOTION ANALYSIS

|                                   |   |   |                        |
|-----------------------------------|---|---|------------------------|
| Speed when loaded                 | : | 30.00                                     | kph                    |
| Speed when unloaded               | : | 40.00                                     | kph                    |
| Loaded running                    | = | $\frac{5.00}{30.00} \times 60$            | = 10.00 mins.          |
| Unloaded running                  | = | $\frac{5.00}{40.00} \times 60$            | = 7.50 mins.           |
| Loading and Unloading             | : | 10.00                                     | mins.                  |
| Capacity of Dumptruck             | : | 10.00                                     | cu.m.                  |
| Total Cycle time                  | : | 27.50                                     | mins.                  |
| No. of tips for Dumptruck per day | = | $\frac{10}{27.50} \times \frac{60.00}{1}$ | = 21.82 say 21.82 tips |
| Dumptruck daily output            | = | 10 x 21.82                                | = 218.18 cu.m.         |
| Using ( 4 ) Dumptrucks            | = | 4 x 218.18                                | = 872.73 cu.m.         |

|                               |   |                            |                      |
|-------------------------------|---|----------------------------|----------------------|
| 1. No. of days for Dumptrucks | = | $\frac{1,000.00}{872.73}$  | = 1.15 say 1.15 days |
| No. of days for Payloader     | = | Complimentary to Dumptruck | = 1.15 days          |

### EQUIPMENT USED : (2009 ACCEL RATES)

|                    |     |                    |   |                                       |             |
|--------------------|-----|--------------------|---|---------------------------------------|-------------|
| 1 - Payloader      | @ P | 13,864.00 /day     | x | 1.15 days = P                         | 15,885.83   |
| 4 - Unit Dumptruck | @ P | 11,360.00 /day     | x | 1.15 days = P                         | 52,066.67   |
|                    |     |                    |   | Sub - Total                           | P 67,952.50 |
| Estimated Quantity |     | 1,000.00 cu.m.     |   |                                       |             |
| Unit Cost          | P   | 13.59 / cu. m./km. |   | (Unit Cost, Hauling per cu.m.per km.) |             |
| Grand Total        | P   | 67,952.50          |   |                                       |             |
| Equipment          | P   | 67,952.50          |   |                                       |             |
| Labor              | P   |                    |   |                                       |             |
| Materials          | P   |                    |   |                                       |             |



# UNIT COST ANALYSIS FOR HAULING COST FOR ALL AGGREGATES

## Hauling Cost from the Coclabato Wharf 1 to Jolo, Sulu Wharf 2:

Item No. : ALL AGGREGATES      Terrain : Flat to Rolling  
Quantity : 800.00      Unit : cu.m.  
Effective Working Hours : 24.00 hrs.

### Safe Navigation Route for Cotabato-Jolo, Sulu (per ZC Harbor Pilot Office)

Distance (Cotabato-Zamboanga) : 135.00 n.m.  
Distance (Zamboanga-Jolo Port, Sulu) : 80.00 n.m.  
**Total Distance : 215.00 n.m.**

## Hauling: Using 800.00 cu.m.capacity Deck Barge

Weight of Barge (ccp. 1000 Ton DWT) : 0.00 Kgs.  
Allowable Total/Volume of Barge : 800.00 cu.m.<sup>3</sup>  
Unit weight of Fine Aggregates : 1,640.00 kg/m<sup>3</sup>  
Unit weight of Coarse Aggregates : 1,534.00 kg/m<sup>3</sup>  
Maximum Volume to be Carried per DB : 800-1000 cu.m.

### \*Barge & Tugboat days computation : TIME-MOTION ANALYSIS

Speed when loaded : 3.00 n.m.  
Speed when unloaded : 5.00 n.m.  
Loaded running =  $\frac{215.00}{3.00}$  = 71.67 hrs.  
Unloaded running =  $\frac{215.00}{5.00}$  = 43.00 hrs.  
Loading and Unloading : 33.33 hrs.  
Capacity of Barge : 800.00 cu.m.  
Total Cycle time : 148.00 hrs.  
No. of days for Barge per trip =  $\frac{148.00}{24.00}$  = 6.17 say 6.17 days  
Barge output per trip = 800.00 = 800.00 cu.m.  
Dumptruck daily output = 10 x 6.17 = 61.67 cu.m.  
Using ( 4 ) Dumptrucks = 4 x 61.67 = 246.66 cu.m.

### EQUIPMENT USED : (2014 ACEL RATES)

1 - Unit Crane w/ clamshell @ P 5,540.00 /day x 3.08 days = P 17,081.28  
1 - Unit Barge & Tugboat @ P 180,776.00 /day x 6.17 days = P 991,429.67  
**P 1,008,510.95**

### LABOR:

1 - Foreman @ P 696.80 /day x 6.17 days = P 4,296.84  
2 - Unit Dumptruck @ P 387.52 /day x 6.17 days = P 4,779.31  
**Sub - Total P 9,076.14**

### MISCELLANEOUS EXPENSES:

1 - Lumpsum(local operators & other misc. fees) @ P 15,000.00 L.S. = P 15,000.00  
**Sub - Total P 15,000.00**

Estimated Quantity 800.00 cu.m.  
Unit Cost P 6.00 / cu. m./n.m. (Unit Cost, Hauling per cu.m.per n.m.)  
Grand Total P 1,032,587.09  
Equipment P 1,008,510.95  
Labor P 9,076.14  
Miscellaneous P 15,000.00

# Hauling Cost from the Bato-Bato Wharf 2 to Project Site

Item No. : ALL AGGREGATES Terrain : Flat to Rolling  
Quantity : 1,000.00 Unit : cu.m.

Hauling Distance : 5.00 km.  
Effective Working Hours : 8.00 hrs.

Hauling: **Using 10.00 cu.m.capacity Dumptruck**  
Weight of Dumptruck (cap. 10.00 cu.m.) : 16,000.00 kgs.  
Unit weight of Fine Aggregates : 1,640.00 kg/m3  
Unit weight of Coarse Aggregates : 1,534.00 kg/m3  
Maximum Volume to be Carried per DT : 11.57 cu.m.

## \* Dumptruck (10 Wheeler) days computation : TIME-MOTION ANALYSIS

Speed when loaded : 25.00 kph  
Speed when unloaded : 35.00 kph  
Loaded running =  $\frac{5.00}{25.00} \times 60 = 12.00$  mins.  
Unloaded running =  $\frac{5.00}{35.00} \times 60 = 8.57$  mins.  
Loading and Unloading : 10.00 mins.  
Capacity of Dumptruck : 10.00 cu.m.  
Total Cycle time : 30.57 mins.  
No. of tips for Dumptruck per day =  $\frac{10}{30.57} \times \frac{60.00}{1} = 19.63$  say 19.63 tips  
Dumptruck daily output = 10 x 19.63 = 196.26 cu.m.  
Using ( 4 ) Dumptrucks = 4 x 196.26 = 785.05 cu.m.

1. No. of days for Dumptrucks =  $\frac{1,000.00}{785.05} = 1.27$  say 1.27 days

## EQUIPMENT USED : (2014 ACEI RATES)

1 - Payloader @ P 13,864.00 /day x 1.27 days = P 17,600.10  
4 - Unit Dumptruck @ P 11,360.00 /day x 1.27 days = P 57,881.90  
**Sub - Total P 75,542.00**

Estimated Quantity 1,000.00 cu.m.  
Unit Cost P 15.11 / cu. m./km. (Unit Cost, Hauling per cu.m.per km.)  
Grand Total P 75,542.00  
Equipment P 75,542.00  
Labor P  
Materials P

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## HAULING COST FROM COTABATO SUPPLIER TO WHARF 1 (HAULING COST I)

|                                     | Ave. Hauling<br>Distance | Unit Cost per<br>cum./km. | Hauling Cost<br>per cum. | Hauling Cost<br>li per cum. |
|-------------------------------------|--------------------------|---------------------------|--------------------------|-----------------------------|
| Cost of Fine Aggregates:            | 5.00                     | X 15.11                   | = 75.54                  | = 75.54                     |
| Cost of Coarse Aggregates:          | 5.00                     | X 15.11                   | = 75.54                  | = 75.54                     |
| Cost of Item 200 Materials:         | 5.00                     | X 15.11                   | = 75.54                  | = 75.54                     |
| Cost of Item 201 Materials:         | 5.00                     | X 15.11                   | = 75.54                  | = 75.54                     |
| Cost of Item 300 Materials:         | 5.00                     | X 15.11                   | = 75.54                  | = 75.54                     |
| Cost of Boulders:                   | 5.00                     | X 15.11                   | = 75.54                  | = 75.54                     |
| Cost of Embankmen, Common Borrow:   | 5.00                     | X 15.11                   | = 75.54                  | = 75.54                     |
| Cost of Embankmen, Selected Borrow: | 5.00                     | X 15.11                   | = 75.54                  | = 75.54                     |

## HAULING COST FROM COTABATO WHARF 1 TO WHARF 2 JOLO, Sulu (HAULING COST II)

|                                     | Ave. Hauling<br>Distance | Unit Cost per<br>cum./km. | Hauling Cost<br>per cum. | Hauling Cost<br>li per cum. |
|-------------------------------------|--------------------------|---------------------------|--------------------------|-----------------------------|
| Cost of Fine Aggregates:            | 215.00                   | X 6.00                    | = 1,290.73               | = 1,290.73                  |
| Cost of Coarse Aggregates:          | 215.00                   | X 6.00                    | = 1,290.73               | = 1,290.73                  |
| Cost of Item 200 Materials:         | 215.00                   | X 6.00                    | = 1,290.73               | = 1,290.73                  |
| Cost of Item 201 Materials:         | 215.00                   | X 6.00                    | = 1,290.73               | = 1,290.73                  |
| Cost of Item 300 Materials:         | 215.00                   | X 6.00                    | = 1,290.73               | = 1,290.73                  |
| Cost of Boulders:                   | 215.00                   | X 6.00                    | = 1,290.73               | = 1,290.73                  |
| Cost of Embankmen, Common Borrow:   | 215.00                   | X 6.00                    | = 1,290.73               | = 1,290.73                  |
| Cost of Embankmen, Selected Borrow: | 215.00                   | X 6.00                    | = 1,290.73               | = 1,290.73                  |



# HAULING COST FROM WHARF 2 JOLO, SULU TO PROJECT SITE (HAULING COST III)

|                                     | Ave. Hauling Distance | Hauling Cost<br>lt per cu.m. | Hauling Cost<br>per cu.m. | Hauling Cost<br>lt per cu.m. |
|-------------------------------------|-----------------------|------------------------------|---------------------------|------------------------------|
| Cost of Fine Aggregates:            | 42.00 x               | 13.59 =                      | 570.80                    | =                            |
| Cost of Coarse Aggregates:          | 42.00 x               | 13.59 =                      | 570.80                    | =                            |
| Cost of Item 200 Materials:         | 42.00 x               | 13.59 =                      | 570.80                    | =                            |
| Cost of Item 201 Materials:         | 42.00 x               | 13.59 =                      | 570.80                    | =                            |
| Cost of Item 300 Materials:         | 42.00 x               | 13.59 =                      | 570.80                    | =                            |
| Cost of Boulders:                   | 42.00 x               | 13.59 =                      | 570.80                    | =                            |
| Cost of Embankmen, Common Borrow:   | 10.00 x               | 13.59 =                      | 135.91                    | =                            |
| Cost of Embankmen, Selected Borrow: | 42.00 x               | 13.59 =                      | 570.80                    | =                            |

**CONCRETING OF BRGY. GATA GATA FARM - TO - MARKET ROAD**

**BARANGAY GATA-GATA  
PANGLIMA ESTINO, SULU**

**KM. 00+000.00 TO KM. 00+587.00**

**NET LENGTH : 587.00 Ln.M. (1.174 Lane Km.)**

**SUMMARY OF QUANTITIES**

| ITEM No. | DESCRIPTION  | UNIT  | QUANTITY | REMARKS                                      |
|----------|--|-------|----------|--|
| 102(2)   | Surplus Common Excavation                              | Cu.M. | 3,253.00 | For Disposal                                 |
| 104(1)a  | Embankment (From Excavation)                           | Cu.M. | 270.00   | Compacted Volume                             |
| 105(1)a  | Subgrade Preparation                                   | Sq.M. | 5,079.00 | Variable width                               |
| 200(1)   | Aggregate Sub-base Course                              | Cu.M. | 1,849.00 | 0.25 m. thk.(min.) Compacted volume.         |
| 311(1)c1 | Portland Cement Concrete Pavement                      | Sq.M. | 2,935.00 | 0.23 m. thk., includes widening              |
| 612(1)   | ReflectORIZED Thermoplastic Pavement Markings (White)  | Sq.M. | 141.00   | For Center lines(Separation) & Edge Lines    |
| 612(2)   | ReflectORIZED Thermoplastic Pavement Markings (Yellow) | Sq.M. | 18.00    | For Barrier Lines                            |
| A.1.1(3) | Const. of Field Office for the Engineer                | Each  | 1.00     | For Government Field Office (7.00m. X 9.00m. |
| B.5      | Project Billboard                                      | Each  | 4.00     | Per D.O. # 37, s. 2010                       |
| B.7      | Const. Safety & Health Program                         | Mos.  | -        |  |