| PART I: GENERAL REQUIREMENTS | | | |
|---|---|---|---|
| ITEM NO.: | B.5 | UNIT: | EACH |
| DESCRIPTION: | PROJECT BILLBOARD / SIGNBOARD | QUANTITY: | 1.00 |

| | DESCRIPTION | QTY | DAYS | UNIT COST | AMOUNT |
|---|---|---|---|---|---|
| A. | Equipment Rental: (To include fuel, oil, lubricants, and equipment maintenance) | | | | |
| a. | Minor Tools(5% of Labor Cost) | | | | |
| | | | | Equipment Total | |
| B. | Labor | | | | |
| a. | Skilled Laborer | | | | |
| b. | Laborers | | | | |
| | | | | Unskilled Sub Total | |
| | | | | Labor Total | |
| C. | Materials | | | | |
| a. | 8' X 8' Printed Billboard Tarpaulin | 64 | sq.ft. | | |
| b. | Ordinary Plywood (1/4" x 4' x 8') | 2 | pcs. | | |
| c. | Good Lumber (Frames) | 48 | bd.ft. | | |
| d. | Assorted CWNs | 1 | kg. | | |
| | | | | Material Total | |

| | | |
|---|---|---|
| D. | DIRECT COST(A+B+C) | |
| E. | OCM | 15% DIRECT COST |
| F | Contractor's Profit | 10% DIRECT COST |
| G. | Tax | 7% (DC+OCM+CP) |
| H. | INDIRECT COST (E+F+G) | |
| I. | TOTAL ITEM COST(D+H) | |

Unit Cost/each

| PART I: GENERAL REQUIREMENTS | | | |
|---|---|---|---|
| ITEM NO.: | B.9 | UNIT: | LUMP SUM |
| DESCRIPTION: | MOBILIZATION / DEMOBILIZATION | QUANTITY: | 1.00 |

| | DESCRIPTION | QTY | DAYS | UNIT COST | AMOUNT |
|---|---|---|---|---|---|
| A. | Equipment Rental: (To include fuel, oil, lubricants, and equipment maintenance) | | | | |
| | | | | Equipment Total | |
| B. | Labor | | | | |
| | | | | Skilled Sub Total | |
| | | | | Unskilled Sub Total | |
| | | | | Labor Total | |
| C. | Materials | | | | |
| | | | | Material Total | |

**NOTE:** In No case that the Mob. And Demob. Exceeds 1% of Estimated Direct Cost (EDC) of the Civil Work items.

| | | |
|---|---|---|
| D. | DIRECT COST(A+B+C) | |
| E. | OCM | DIRECT COST |
| F | Contractor's Profit | DIRECT COST |
| G. | Tax | 7% (DC+OCM+CP) |
| H. | INDIRECT COST (E+F+G) | |
| I. | TOTAL ITEM COST(D+H) | |

Unit Cost/lump sum

| PART I:GENERAL REQUIREMENTS | | | |
|---|---|---|---|
| ITEM NO.: | B.7 ( 2 ) | UNIT: | LUMP SUM |
| DESCRIPTION: | OCCUPATIONAL SAFETY AND HEALTH PROGRAM | QUANTITY: | 1.0 |

| | DESCRIPTION | QTY | DAYS | UNIT COST | AMOUNT |
|---|---|---|---|---|---|
| A. | Equipment Rental: (To include fuel, oil, lubricants, and equipment maintenance) | | | | |
| a. | None | | | | |
| | | | | Equipment Total | - |
| B. | Labor | | | | |
| a. | Safety Practitioner/ Officer (Part Time) | 1 | 4 | | |
| | First Aider | 1 | 16.13 | | |
| | | | | Skilled Sub Total | |
| b. | None | | | | |
| | | | | Unskilled Sub Total | |
| | | | | Labor Total | |
| C. | Materials | | | | |
| | Medical Kits(Sanitizers,Alcohol,Themal Scanner,Etc.) | 1 | lumpsum | | |
| | Safety Shoes | 82.11 | man-days | | |
| | Safety Helmet | 82.11 | man-days | | |
| | Safety Gloves | 82.11 | man-days | | |
| | Reflectorized Vest | 82.11 | man-days | | |
| | First Aid Kit | 2 | set | | |
| | PPE Signage (2' x 3') | 3 | set | | |
| | Safety First (2' x 3') | 3 | set | | |
| | Warning Signs (2' x 3') | 3 | set | | |
| | Caution Tape, 100ft | 4 | roll | | |
| | | | | Material Total | |

| | | |
|---|---|---|
| D. | DIRECT COST(A+B+C) | |
| E. | OCM | DIRECT COST |
| F | Contractor's Profit | 10% DIRECT COST |
| G. | Tax | 7% (DC+OCM+CP) |
| H. | INDIRECT COST (E+F+G) | |
| I. | TOTAL ITEM COST(D+H) | |

Unit Cost/lump sum

| ITEM NO: | NO. OF MANPOWER | NO. OF DAYS | MAN-DAYS |
|---|---|---|---|
| B.9 | 0 | 2.00 | |
| 100(2) | 3 | 1.00 | 3 |
| 101(1) | 5 | 1.00 | 5 |
| 102(2) | 6 | 1.85 | 11.1 |
| 105(1)a | 5 | 4.12 | 20.62 |
| 300(2) | 5 | 0.55 | 2.73 |
| 500(3)b1 | 6 | 6.61 | 39.66 |
| UNWORKABLE DAYS CONSIDERED | | 1.00 | |

**TOTAL = 82.11 MAN-DAYS**

**DURATION: 16.13 WORKING DAYS**

| PART A: EARTHWORK | | | |
|---|---|---|---|
| ITEM NO.: | 101(1) | UNIT: | LUMP SUM |
| DESCRIPTION: | REMOVAL OF ACTUAL STRUCTURES/OBSTRUCTION | QUANITY: | 2.00 |
| | | DAILY OUTPUT: | |
| | | NUMBER OF DAYS: | 1.00 |

| | DESCRIPTION | QTY | DAYS | UNIT COST | AMOUNT |
|---|---|---|---|---|---|
| A. | Equipment Rental(To include fuel, oil, lubricants, and equipment maintenance) | | | | |
| a. | Truck Mounted Crane (31-35MT) | 1 | 1.00 | | |
| b. | Cargo Truck (2-5T) | 1 | 1.00 | | |
| c. | Minor Tools (10% of Labor Cost) | 1 | 1.00 | | |
| | | | | Equipment Total | |
| B. | Labor | | | | |
| a. | Heavy Equipment Operator | 2 | 1.00 | | |
| b. | Construction Foreman | 1 | 1.00 | | |
| c. | Skilled Laborer | 1 | 1.00 | | |
| | | | | Skilled Sub-Total | |
| c. | Laborer | 1 | 1.00 | | |
| | | | | Unskilled Sub-Total | |
| | | | | Labor Total | |
| C. | Materials | | | | |
| | | | | Material Total | |

| | | |
|---|---|---|
| D. | DIRECT COST(A+B+C) | |
| E. | OCM | 15% DIRECT COST |
| F. | Contractor's Profit | 10% DIRECT COST |
| G. | Tax | 7% (DC+OCM+CP) |
| H. | INDIRECT COST(E+F+G) | |
| I. | TOTAL ITEM COST(D+H) | |

**Unit Cost/l.s.**

| PART A: EARTHWORK | | | |
|---|---|---|---|
| ITEM NO.: | 100(2) | UNIT: | SQ.M. |
| DESCRIPTION: | CLEARING AND GRUBBING | QUANITY: | 1448.40 |
| | | DAILY OUTPUT: | |
| | | NUMBER OF DAYS: | 1.00 |

| | DESCRIPTION | QTY | DAYS | UNIT COST | AMOUNT |
|---|---|---|---|---|---|
| A. | Equipment Rental(To include fuel, oil, lubricants, and equipment maintenance) | | | | |
| c. | Minor Tools (10% of Labor Cost) | | 1.00 | | |
| | | | | Equipment Total | |
| B. | Labor | | | | |
| a. | Skilled Laborer | 1 | 1.00 | | |
| | | | | Skilled Sub-Total | |
| c. | Laborer | 2 | 1.00 | | |
| | | | | Unskilled Sub-Total | |
| | | | | Labor Total | |
| C. | Materials | | | | |
| | | | | Material Total | |

| | | |
|---|---|---|
| D. | DIRECT COST(A+B+C) | |
| E. | OCM | 15% DIRECT COST |
| F. | Contractor's Profit | 10% DIRECT COST |
| G. | Tax | 7% (DC+OCM+CP) |
| H. | INDIRECT COST(E+F+G) | |
| I. | TOTAL ITEM COST(D+H) | |

**Unit Cost/sq.m.**

| PART A: EARTHWORK | | | |
|---|---|---|---|
| ITEM NO.: | 102(2) | UNIT: | CU.M. |
| DESCRIPTION: | SURPLUS COMMON EXCAVATION | QUANITY: | 201.44 |
| | | DAILY OUTPUT: | |
| | | EXCAVATION | 200.00 |
| | | LOADING | 240.00 |
| | | NUMBER OF DAYS: | 1.85 |

| | DESCRIPTION | QTY | DAYS | UNIT COST | AMOUNT |
|---|---|---|---|---|---|
| A. | Equipment Rental(To include fuel, oil, lubricants, and equipment maintenance) | | | | |
| a. | Bulldozer, D6H SERIES II PSDS/DD | 1 | 1.01 | | |
| b. | Payloader (1.50 cu.m.) | 1 | 0.84 | | |
| c. | Dumptruck (12cu.yd) | 1 | 0.84 | | |
| | | | | Equipment Total | |
| B. | Labor | | | | |
| a. | Heavy Equipment Operator | 3 | 1.85 | | |
| b. | Construction Foreman | 1 | 1.85 | | |
| c. | Skilled Laborer | 1 | 1.85 | | |
| | | | | Skilled Sub-Total | |
| b. | Laborers | 1 | 1.85 | | |
| | | | | Unskilled Sub-Total | |
| | | | | Labor Total | |
| C. | Materials | | | | |
| | | | | Material Total | |

| | | |
|---|---|---|
| D. | DIRECT COST(A+B+C) | |
| E. | OCM | 15% DIRECT COST |
| F. | Contractor's Profit | 10% DIRECT COST |
| G. | Tax | 7% (DC+OCM+CP) |
| H. | INDIRECT COST(E+F+G) | |
| I. | TOTAL ITEM COST(D+H) | |

**Unit Cost/cu.m.**

| PART A: EARTHWORK | | | |
|---|---|---|---|
| ITEM NO.: | 105(1)a | UNIT: | SQ.M. |
| DESCRIPTION: | SUBGRADE PREPARATION | QUANITY: | 1164.40 |
| | | DAILY OUTPUT: | |
| | | SPREADING AND | 2400.00 |
| | | COMPACTION | 320.00 |
| | | NUMBER OF DAYS: | 4.12 |

| | DESCRIPTION | QTY | DAYS | UNIT COST | AMOUNT |
|---|---|---|---|---|---|
| A. | Equipment Rental(To include fuel, oil, lubricants, and equipment maintenance) | | | | |
| a. | Motorized Road Grader, G710A | 1 | 0.49 | | |
| b. | Vibratory Roller (10MT) | 1 | 3.64 | | |
| c. | Water Truck | 1 | 3.64 | | |
| | | | | Equipment Total | |
| B. | Labor | | | | |
| a. | Heavy Equipment Operator | 2 | 4.12 | | |
| b. | Construction Foreman | 1 | 4.12 | | |
| c. | Skilled Laborer | 1 | 4.12 | | |
| | | | | Skilled Sub-Total | |
| b. | Laborers | 1 | 4.12 | | |
| | | | | Unskilled Sub-Total | |
| | | | | Labor Total | |
| C. | Materials | | | | |
| | | | | Material Total | |

| | | |
|---|---|---|
| D. | DIRECT COST(A+B+C) | |
| E. | OCM | 15% DIRECT COST |
| F. | Contractor's Profit | 10% DIRECT COST |
| G. | Tax | 7% (DC+OCM+CP) |
| H. | INDIRECT COST(E+F+G) | |
| I. | TOTAL ITEM COST(D+H) | |

**Unit Cost/sq.m.**

| PART B: SUBBASE AND BASE COURSE | | | |
|---|---|---|---|
| ITEM NO.: | 300(2) | UNIT: | CU.M. |
| DESCRIPTION: | CRUSHED AGGREGATE SURFACE COURSE, 0.15M THK. | QUANITY: | 174.66 |
| | | DAILY OUTPUT: | |
| | | GRADER | 2,400.00 SQM/DAY |
| | | ROLLER | 320.00 CUM/DAY |
| | | WATER TRUCK | 8,000.00 SQM/DAY |
| | | NUMBER OF DAYS: | 0.55 |

| | DESCRIPTION | QTY | DAYS | UNIT COST | AMOUNT |
|---|---|---|---|---|---|
| A. | Equipment Rental(To include fuel, oil, lubricants, and equipment maintenance) | | | | |
| a. | Motorized Road Grader, G710A | 1 | 0.07 | | |
| b. | Vibratory Roller (10MT) | 1 | 0.55 | | |
| | | | | Equipment Total | |
| B. | Labor | | | | |
| a. | Heavy Equipment Operator | 2 | 0.55 | | |
| b. | Construction Foreman | 1 | 0.62 | | |
| | | | | Skilled Sub-Total | |
| b. | Laborers | 2 | 0.62 | | |
| | | | | Unskilled Sub-Total | |
| | | | | Labor Total | |
| C. | Materials | | | | |
| a. | Crushed Aggregate Surface Course | 200.86 | cu.m. | | |
| | | | | Material Total | |

| | | |
|---|---|---|
| D. | DIRECT COST(A+B+C) | |
| E. | OCM | 15% DIRECT COST |
| F. | Contractor's Profit | 10% DIRECT COST |
| G. | Tax | 7% (DC+OCM+CP) |
| H. | INDIRECT COST(E+F+G) | |
| I. | TOTAL ITEM COST(D+H) | |

**Unit Cost/cu.m.**

| PART C: DRAINAGE AND SLOPE PROTECTION STRUCTURES | | | |
|---|---|---|---|
| ITEM NO.: | 500(3)b1 | UNIT: | L.M. |
| DESCRIPTION: | LINED CANAL | QUANTITY: | 51.00 L.M. |
| | | | 14.54 CUM. |
| | | DAILY OUTPUT: | |
| | | NUMBER OF DAYS: | 6.61 |

| | DESCRIPTION | QTY | DAYS | UNIT COST | AMOUNT |
|---|---|---|---|---|---|
| A. | Equipment Rental(To include fuel, oil, lubricants, and equipment maintenance) | | | | |
| a. | One Bagger Mixer | 1 | 0.95 | | |
| b. | Concrete Vibrator | 1 | 2.84 | | |
| i. | Minor Tools (5% of Labor Cost) | | | | |
| | | | | Equipment Total | |
| B. | Labor: | | | | |
| a. | Construction Foreman | 1 | 6.61 | | |
| b. | Skilled Laborers | 1 | 6.61 | | |
| | | | | Skilled Sub-Total | |
| c. | Laborers | 2 | 6.61 | | |
| | | | | Unskilled Sub-Total | |
| | | | | Labor Total | |
| C. | Materials | | | | |
| a. | Reinforcing Steel Bar | 448.30 | kgs | | |
| b. | Tie Wire | 25.00 | kgs | | |
| e. | Steel Forms (Rental) | 102 | ln.m. | | |
| f. | Sand | 7.4154 | cu.m. | | |
| g. | Gravel Bed, G1 | 3.57 | cu.m. | | |
| h. | Gravel | 15.267 | cu.m. | | |
| i. | Cement | 130.86 | bags | | |
| j. | Miscellaneous Materials | | | | |
| | | | | Material Total | |

| | | | |
|---|---|---|---|
| D. | DIRECT COST(A+B+C) | | |
| E. | OCM | 15% | DIRECT COST |
| F. | Contractor's Profit | 10% | DIRECT COST |
| G. | Tax | 7% | (DC+OCM+CP) |
| H. | INDIRECT COST(E+F+G) | | |
| I. | TOTAL ITEM COST(D+H) | | |

Unit Cost/cu.m.

COMPUTATIONS FOR THE NUMBER OF DAYS:

| ACTIVITY | OUTPUT | UNIT | QUANTITY | UNIT | NO. OF DAYS |
|---|---|---|---|---|---|
| REBAR FABRICATION (CUT AND BEND) | | | | | |
| BASE AND WALL | 68 | KG/MD | 448.30 | KG/MD | 1.65 |
| REBAR PLACING | | | | | |
| BASE | 95.74 | KG/MD | 143.87 | KG/MD | 0.38 |
| WALLS | 95.74 | KG/MD | 304.43 | KG/MD | 0.79 |
| CONCRETE PLACING | | | | | |
| BASE | 3.32 | CU.M./MD | 5.36 | CU.M./MD | 0.4 |
| WALLS | 0.94 | CU.M./MD | 9.18 | CU.M./MD | 2.44 |
| CONCRETE MIXING (ONE BAGGER MIXER) | | | | | |
| BASE | 3.81 | CU.M./MD | 5.36 | CU.M./MD | 0.35 |
| WALLS | 3.81 | CU.M./MD | 9.18 | CU.M./MD | 0.6 |
| | | | | **TOTAL =** | **6.61** |