

**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,Thermal 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	QUANTITY:	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	QUANTITY:	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	QUANTITY:	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	QUANTITY:	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.	QUANTITY:	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
<b>REBAR FABRICATION (CUT AND BEND)</b>					
BASE AND WALL	68	KG/MD	448.30	KG/MD	1.65
<b>REBAR PLACING</b>					
BASE	95.74	KG/MD	143.87	KG/MD	0.38
WALLS	95.74	KG/MD	304.43	KG/MD	0.79
<b>CONCRETE PLACING</b>					
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
<b>CONCRETE MIXING (ONE BAGGER MIXER)</b>					
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
				<b>TOTAL =</b>	<b>6.61</b>