REPUBLIC OF THE PHILIPPINES
CITY OF ILAGAN
Province of Isabela

Salong pa rin! City of ILAGAN

PROGRAM OF WORK

Project: **Concreting of Road**

Location: **Alibagu, City of Ilagan, Isabela**

ROAD:	
PCCP, Length:	**98.00 m**
PCC Pavement Width :	**6.70 m**
PCCP Thickness :	**0.25 m**

Appropriation: **Php 2,000,000.00**

DESCRIPTION OF WORKS TO BE DONE	% OF TOTAL	EQUIPMENT DESCRIPTION	EQUIPMENT REQUIRED
		PLEASE SEE ATTACHED	
I. ROADS	100.00%		
TOTAL	**100.00%**		

ESTIMATED COST OF THE PROJECT

ITEM	DESCRIPTION	QTY	UNIT	UNIT PRICE	TOTAL ESTIMATED COST
B. 5	Project Billboard and Signboard	1.00	lot	93,370.74	Php 93,370.74
B.7	Occupational Safety and Health Program	1.00	lot	42,000.00	42,000.00
B.9	Mobilization/Demobiliztion	1.00	lot	31,500.00	31,500.00
105	Sub-grade Preparation	656.60	sq.m	42.90	28,168.14
201	Aggregate Base Course	98.49	cu.m	3,488.53	343,585.02
311	Portland Cement Concrete Pavement(Plain), Thickness = 250mm	164.15	cu.m	8,896.70	1,460,393.31
				TOTAL	**Php 1,999,017.21**
				SAY	**Php 2,000,000.00**

Prepared by :

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Engineer II

Checked By :

Engr. GARRY D. CABANILLA
City Engineer

Recommending Approval :

ENGR. CRISANTA D. CONCEPCION
OIC - City Planning & Dev't. Coordinator

Approved :

HON. JOSEMARIE L. DIAZ, DMD
City Mayor

DETAILED UNIT PRICE ANALYSIS

Project: **Concreting of Road**
Location: **Alibagu, City of Ilagan, Isabela**

Item No. : B.5
Description : **Project Billboard and SignBoard**

Quantity = **1.00**
Unit = lot

A.	Name and Capacity of Equipment (Operated)	No. of Units	No. Days	Rate/Day	Total Cost (Pesos)
	A. SUB-TOTAL , EQUIPMENT			-	P -

B.	Designation of Personnel	No. of Men	No. Days	Rate/Day	Total Cost (Pesos)
	Foreman	1	1.00	P 743.84	P 743.84
	Skilled Worker	2	1.00	537.76	1,075.52
	Unskilled Laborer	3	1.00	414.80	1,244.40
	B. SUB-TOTAL, LABOR - MD			**3,063.76**	P **3,063.76**

C.	Name and Description	Qty	Unit	Unit Cost	Total Cost (Pesos)
	COA Project Bilboard Board (8 ft. X 4 ft.)	2.00	Sets	5,000.00	10,000.00
	Construction Signage	1.00	lot	5,000.00	5,000.00
	Project Marker				
	1.5nn Stainless Steel Plate	1.00	set	50,000.00	50,000.00
	4"x2"x2mm Tubular	2.00	pcs	1,720.00	3,440.00
	1 1/2"x 1 1/2"x 12 mm angle bar	1.00	pcs	1,020.00	1,020.00
	12mm dia. RSB	2.00	pcs	350.00	700.00
	Portland Cement	1.00	bag	270.00	270.00
	Mix gravel	1.00	cu.m	610.00	610.00
	C. SUB-TOTAL, MATERIAL				P **71,040.00**

SUMMARY:

A	Equipment		P -
B	Labor		P 3,063.76
C	Materials		P 71,040.00
D	**TOTAL DIRECT COST**	(A+B+C)	P **74,103.76**
	DIRECT UNIT COST	D/Quantity	**74,103.76**
E	OCM/Profit	25% of D	P 14,820.75
F	VAT	5% (D+E)	P 4,446.23
G	Total Cost	(D+E+F)	P **93,370.74**
H	**UNIT COST**	(G/Quantity)	**93,370.74**

DETAILED UNIT PRICE ANALYSIS

Project: **Concreting of Road**
Location: **Alibagu, City of Ilagan, Isabela**

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

Quantity = **1.00**
Unit = lot

A.	Name and Capacity of Equipment (Operated)	No. of Unit	No. Days	Rate/Day	Total Cost (Pesos)
	A. SUB-TOTAL , EQUIPMENT			-	P -

B.	Designation of Personnel	No. of Men	No. Days	Rate/Day	Total Cost (Pesos)
	B. SUB-TOTAL, LABOR - **MD**			-	P -

C.	Name and Description	Qty	Unit	Unit Cost	Total Cost (Pesos)
	Sfety Shoes	20	pairs	P 550.00	P 11,000.00
	Safety Helmet	20	pairs	650.00	13,000.00
	Safety Gloves	20	pairs	100.00	2,000.00
	Safety Vest	20	pairs	200.00	4,000.00
	Medicine Kits	1	lot	10,000.00	10,000.00
	C. SUB-TOTAL, MATERIAL				P **40,000.00**

SUMMARY:

A	Equipment		P -
B	Labor		P -
C	Materials		P 40,000.00
D	**TOTAL DIRECT COST**	(A+B+C)	P **40,000.00**
	DIRECT UNIT COST	D/Quantity	**40,000.00**
E	OCM/Profit	25% of D	P -
F	VAT	5% (D+E)	P 2,000.00
G	Total Cost	(D+E+F)	P **42,000.00**
H	**UNIT COST**	(G/Quantity)	**42,000.00**

DETAILED UNIT PRICE ANALYSIS

Project: **Concreting of Road**
Location: **Alibagu, City of Ilagan, Isabela**

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

Quantity = **1.00**
Unit = lot

A.	Name and Capacity of Equipment (Operated)	No. of Units	No. Days	Rate/Day	Total Cost (Pesos)
					P 30,000.00
	Lowbed	1			
	Road Grader, G710A	1			-
	Backhoe				
	Vibratory Roller	1			-
	A. SUB-TOTAL , EQUIPMENT			**30,000.00**	**P 30,000.00**

B.	Designation of Personnel	No. of Men	No. Days	Rate/Day	Total Cost (Pesos)
	Man-Days				
	B. SUB-TOTAL, LABOR - **MD**			-	P -

C.	Name and Description	Qty	Unit	Unit Cost	Total Cost (Pesos)
				P	P
	C. SUB-TOTAL, MATERIAL			-	P -

SUMMARY:

A	Equipment		P 30,000.00
B	Labor		P -
C	Materials		P -
D	**TOTAL DIRECT COST**	(A+B+C)	P **30,000.00**
	DIRECT UNIT COST	D/Quantity	**30,000.00**
E	OCM/Profit	25% of D	P -
F	VAT	5% (D+E)	P 1,500.00
G	Total Cost	(D+E+F)	P **31,500.00**
H	**UNIT COST**	(G/Quantity)	**31,500.00**

DETAILED UNIT PRICE ANALYSIS

Project: **Concreting of Road**
Location: **Alibagu, City of Ilagan, Isabela**

Item No. : 105
Description : **Subgrade Preparation (Common Material)**

Quantity = **656.60**
Unit = sq.m

A.	Name and Capacity of Equipment (Operated)	No. of Units	No. Hrs	Rate/hr	Total Cost (Pesos)
	Road Grader(140 hp) w/ scarifier	1	8.00	P 3,106.40	P 24,851.20
	A. SUB-TOTAL , EQUIPMENT			**37.85**	**P 24,851.20**

B.	Designation of Personnel	No. of Men	No. Days	Rate/Day	Total Cost (Pesos)
	Man-Days				
	Foreman	1	1.00	P 743.84	P 743.84
	Unskilled Laborer	2	1.00	P 414.80	P 829.60
	B. SUB-TOTAL, LABOR - MD			**2.40**	**P 1,573.44**

C.	Name and Description	Qty	Unit	Unit Cost	Total Cost (Pesos)
				P	P
	C. SUB-TOTAL, MATERIAL			**-**	**P -**

SUMMARY:

A	Equipment		P 24,851.20
B	Labor		P 1,573.44
C	Materials		P -
D	**TOTAL DIRECT COST**	(A+B+C)	P **26,424.64**
	DIRECT UNIT COST	D/Quantity	**40.24**
E	OCM/Profit	25% of D	P 403.42
F	VAT	5% (D+E)	P 1,341.40
G	Total Cost	(D+E+F)	P **28,169.46**
H	**UNIT COST**	(G/Quantity)	**42.90**

DETAILED UNIT PRICE ANALYSIS

Project: **Concreting of Road**

Location: **Alibagu, City of Ilagan, Isabela**

Item No. : 201
Description : **Aggregate Base Course**

Quantity = **98.49**
Unit = cu.m.

A. Name and Capacity of Equipment (Operated)	No. of Units	No. hrs	Rate/hrs	Total Cost (Pesos)
Road Grader(140 hp) w/ scarifier	1	24.00	P 3,106.40	P 74,553.60
Vibratory Roller (10 MT), SD100DC		24.00	2,030.60	48,734.40
Water Truck/Pump (16000 L)		24.00	2,695.00	64,680.00
A. SUB-TOTAL , EQUIPMENT				P **187,968.00**

B. Designation of Personnel	No. of Men	No. of Days	Rate/Day	Total Cost (Pesos)
Foreman	1	3.00	P 743.84	P 2,231.52
Unskilled Laborer	2	3.00	414.80	2,488.80
B. SUB-TOTAL, LABOR - MD			**47.93**	P **4,720.32**

C. Name and Description	Qty	Unit	Unit Cost	Total Cost (Pesos)
Aggregate Base Course Mixed Gravel (15%Shrinkage Factor)	113	cu.m.	P 610.00	P 69,090.74
C. SUB-TOTAL, MATERIAL				P **69,090.74**

SUMMARY:

A	Equipment		P 187,968.00
B	Labor		P 4,720.32
C	Materials		P 69,090.74
D	**TOTAL DIRECT COST**	(A+B+C)	P **261,779.06**
	DIRECT UNIT COST	D/Quantity	**2,657.93**
E	OCM/Profit	25% of D	P 65,444.77
F	VAT	5% (D+E)	P 16,361.19
G	Total Cost	(D+E+F)	P **343,585.02**
H	**UNIT COST**	(G/Quantity)	**3,488.53**

DETAILED UNIT PRICE ANALYSIS

Project: **Concreting of Road**

Location: **Alibagu, City of Ilagan, Isabela**

Item No. : 311

Description : **Portland Cement Concrete Pavement(Plain), Thickness = 250mm**

Quantity = **164.15**

Unit = cu.m

A. Name and Capacity of Equipment (Operated)	No. of Units	No. of Hrs.	Rate/Hr.	Total Cost (Pesos)
Transit Mixer(5 cu.m)	3	32.00	P 1,318.00	P 126,528.00
Concrete Vibrator	1	32.00	91.25	2,920.00
Batching Plant(30 cu.m)	1	32.00	1,759.50	56,304.00
Payloader(1.50 cu.m), LX80-2C	1	32.00	1,733.00	55,456.00
Concrete Screeder(5.5 Hp)	1	32.00	545.00	17,440.00
Water Truck(1000 gal.)	1	32.00	2,450.00	78,400.00
Concrete Saw, Blade 14" dia.(7.5 Hp)	1	32.00	32.63	1,044.16
Bar Cutter, Single Phase	1	56.00	219.75	12,306.00
A. SUB-TOTAL , EQUIPMENT			**2,134.62**	**P 350,398.16**

B. Designation of Personnel	No. of Men	No. of Days	Rate/Day	Total Cost (Pesos)
Foreman	1	4.00	P 743.84	P 2,975.36
Skilled Worker	4	4.00	537.76	8,604.16
Unskilled Laborer	14	4.00	414.80	23,228.80
B. SUB-TOTAL, LABOR - MD			**212.05**	**P 34,808.32**

C. Name and Description	Qty	Unit	Unit Cost	Total Cost (Pesos)
Reinforcing Steel Bar	216.68	kg.	P 52.00	P 11,267.36
Curing Compound	190.41	lit.	60.00	11,424.60
Asphalt Sealant	78.79	lit.	60.00	4,727.40
Steel Forms(Rental)	56.00	l.m	55.00	3,080.00
Sand(processed)	90.28	cu.m	750.00	67,711.88
Gravel(processed)	180.57	cu.m	850.00	153,480.25
Cement	1,970.00	bag	260.00	512,200.00
Concrete saw(diamond blade 14")	1.00	pc	8,000.00	8,000.00
Pipe Sleeve, 1" dia.	5.12	l.m.	34.33	175.82
Greese/Tar	0.98	lit.	210.00	206.83
C. SUB-TOTAL, MATERIAL				**P 772,274.14**

SUMMARY:

A	Equipment		P 350,398.16
B	Labor		P 34,808.32
C	Materials		P 772,274.14
D	**TOTAL DIRECT COST**	(A+B+C)	**P 1,157,480.62**
	DIRECT UNIT COST	D/Quantity	**7,051.36**
E	OCM/Profit	25% of D	P 233,370.16
F	VAT	5% (D+E)	P 69,542.54
G	Total Cost	(D+E+F)	**P 1,460,393.32**
H	**UNIT COST**	(G/Quantity)	**8,896.70**