Republic of the Philippines
Department of Environment and Natural Resources
Region IV- MIMAROPA
Provincial Environment and Natural Resources Office

DENR MIMAROPA RECORDS SECTION
RECEIVED
0 AUG 2022
NIM
OUTGOING
DATS NO.

August 02, 2022

FOR : **Angelito V. Fontanilla**
Director, Finance and management Services
Visayas Ave, Diliman, Quezon City

THRU : **The Regional Executive Director**
DENR by the Bay 1515 L& S Building
Roxas Blvd, Manila

FROM : **The In-Charge, Office of the PENRO**
Calapan City, Oriental Mindoro

SUBJECT : **REQUEST FOR FUNDING FOR THE REPAIR/ IMPROVEMENT OF PERIMETER FENCE (PHASE 2) OF CENRO ROXAS OFFICE LOCATED AT SAN MARIANO, ROXAS, ORIENTAL MINDORO AMOUNTING TO TWO MILLION PESOS (2,000,000.00)**

Respecfully forwarded the letter request for funding for the repair/improvement of perimeter fence (Phase2) of CENRO Roxas Office located at San Mariano, Roxas Oriental Mindoro amounting to Two Million Peses (Php 2,000,000.00).

Attached is the program of work for your record and information

For reference.

ALMA E. GIBE

DENRPENRO2208000001

Tracking no. 2207006711

Republic of the Philippines
Department of Environment and Natural Resources
MIMAROPA Region
Community Environment and Natural Resources Office
Camia St., San Mariano, Roxas, Oriental Mindoro
Contact No.: 0917 876 9985 / 0917 169 0232
VOIP: (043) 289-7118
Email: cenroroxas_orientalmin@yahoo.com

July 21, 2022

MEMORANDUM

FOR : **ANGELITO V. FONTANILLA**
Director, Finance and Management Services
Visayas Avenue, Diliman, Quezon City

THRU : **The Regional Executive Director**
DENR by the Bay
1515 L & S Bldg.
Roxas Blvd., Manila

The In-Charge, PENRO Oriental Mindoro
Brgy. Suqui, Calapan City, Oriental Mindoro

FROM : **CENR Officer**
CENRO, Roxas, Oriental Mindoro

SUBJECT : **REQUEST FOR FUNDING FOR THE REPAIR AND IMPROVEMENT OF PERIMETER FENCE PHASE 2 OF CENRO ROXAS, ORIENTAL MINDORO**

DENR-MIMAROPA REGION
PROVINCIAL ENVIRONMENT AND NATURAL RESOURCES OFFICE
ORIENTAL MINDORO
PENRO TRACKING NO.:
RECEIVED BY:
DATE: JUL 28 2022
TIME:

We humbly request for funding for the improvement and repair of DENR field office perimeter fence phase 2 located at CENRO-Roxas, Oriental Mindoro for safety and security of the Employees including the apprehended/confiscated vehicles and forest products impounded within the Compound of CENRO-Roxas, Oriental Mindoro.

Attached are the Geotagged Photos and Approved Program of Works.

Thank you very much and hoping for consideration and approval of this request, Sir.

ENGR. CAESAR E. QUEBEC

jrpg

Republic of the Philippines
Department of Environment and Natural Resources
MIMAROPA Region
Community Environment and Natural Resources Office
Camia St., San Mariano, Roxas, Oriental Mindoro
Contact No.: 0917 876 9985 / 0917 169 0232
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Email: cenroroxas_orientalmin@yahoo.com

PHOTO DOCUMENTATION OF PERIMETER FENCE MADE OF LOCAL MATERIALS

jrpg

Republic of the Philippines
Department of Environment and Natural Resources
Region IV - B, MIMAROPA
Provincial Environment and Natural Resources Office
Calapan City, Oriental Mindoro

MAY 11 2022
Date

PROGRAM OF WORK

Office	: DENR-CENRO- ROXAS	Dimension:	: 146 m.x
Name of Project	: Construction of Concrete Perimeter Fence	Volume:	: N/A
	: "@ DENR-CENRO Compound	Type of Structure	: Concrete Fence
Location	: San Mariano,Roxas, Oriental Mindoro	No. of Building	: N/A
Appropriation	: Php2,000,000.00	No. of Floor	: N/A
Source of Funds	:	Classification	: Building
		Number of Days to Complete	: 60 cd

DESCRIPTION OF WORK TO BE DONE	% of Total	EQUIPMENT	NUMBER Needed	NUMBER Available
OTHER GENERAL REQUIREMENTS	7.91%	Hand tools	all	
EARTHWORKS	2.48%	One Bagger Mixer	1	
PLAIN AND REINFORCED CONCRETE WORKS	21.62%			
FINISHING AND OTHER CIVIL WORKS	63.15%	Plate Compactor	1	
Electrical Works	4.84%			
	100.00%	Cargo Truck/Backhoe	1/1	

ITEM NO.	DESCRIPTION	UNIT	QUANTITY	UNIT COST	TOTAL COST	ADJUSTED UNIT COST
I	**OTHER GENERAL REQUIREMENTS**					
a	Project Billboard /Signboard	ea	1.00	5,585.84	5,585.84	5,585.85
b	Occupational Safety and Health Program	mo	2.00	53,905.70	107,811.40	53,905.70
c	Mobilization/Demobilization	l.s.	1.00	44,859.89	44,859.89	44,859.90
II	**EARTHWORKS**					
d	Structure Excavation (Common Soil)	m³	91.36	304.25	27,796.28	304.25
e	Embankment from Structure Excavation	m³	43.75	200.66	8,778.88	200.65
f	Gravel Fill	m³	8.72	1,497.47	13,057.94	1,497.45
III	**PLAIN AND REINFORCED CONCRETE WORKS**					
g	Structural Concrete for Footing and Slab on Fill (Class A, 28 days)	m³	17.44	6,964.46	121,460.18	6,964.45
h	Structural Concrete for Column (Class A, 28 days)	m³	8.10	7,963.71	64,506.05	7,963.70
i	Structural Concrete for Beams (Class A, 28 days)	m³	2.48	7,963.71	19,710.18	7,963.70
k	Reinforcing Steel (Deformed), Grade 40	kg	1,961.23	98.47	193,122.52	98.45
l	Formworks and Falseworks	m²	121.50	276.61	33,608.12	276.60
IV	**FINISHING AND OTHER CIVIL WORKS**				-	-
l	100mm CHB Non-Loading Bearing (including Reinforcing Steel)	m²	275.00	775.18	213,174.50	775.20
m	Cement Plaster Finish	m2	550.00	190.64	104,851.70	190.65
m	Painting Works (Masonry Painting)	m²	552.00	352.61	194,640.72	352.60
n	Painting Works (Steel)	m2	171.00	296.38	50,681.05	296.40
o	Structural Steel, furnished, and fabricated	l.s	1.00	668,898.46	668,898.46	668,898.45
p	Decorative Stone	m²	17.21	1,778.05	30,600.24	1,778.05
IV	**Electrical Works**				-	
q	Lighting Fixtures and Lamps	L.S.	1.00	45,993.59	45,993.59	45,993.60
r	Wires and Wiring Devices	L.S.	1.00	21,127.12	21,127.12	21,127.10
s	Conduits, Boxes and Fittings	L.S.	1.00	29,640.88	29,640.88	29,640.90
				TOTAL	***1,999,905.54***	

Scope of Work: Construction of 146 ln.m of concrete fence.

BREAKDOWN OF ESTIMATED EXPENDITURES:			TOTAL DIRECT COST	
1) Materials	:	971,314.46	A. Total Direct Cost	1,534,956.17
2) Labor & Equipment	:	563,641.71	B. OCM (15.00%)	216,232.00
3) OCM (15.00%)	:	216,232.00	C. Profit (10.00%)	153,491.75
4) Profit (10.00%)	:	153,491.75	D.VAT (5% of ABC)	95,234.15
5) VAT (5.00%)	:	95,234.15	E. Total Const. Cost	1,999,914.07
6) Overhead (0.00%)	:	-	F. Overhead (0.00%)	-
TOTAL	:	1,999,914.07	G. Total Estimated Cost	1,999,914.07
SAY	:	Php2,000,000.00	H. SAY	Php2,000,000.00

PREPARED BY:

CHRISTIAN S. BILANO
ENGINEER I
DPWH ENGINEER

RECOMMENDING APPROVAL:

CAESAR E. QUEBEC
CENR Officer

APPROVED BY:

MARY JUNE F. MAYPA
PENR Officer

DETAILED UNIT PRICE ANALYSIS (DUPA)

Item No./ Description : a Project Billboard /Signboard
Unit of Measure : 1 ea
Outout per hour : 1.00 set

	Designation	No. of Person/s	NO. of Hour/s	Hourly Rate	Amount (PhP)
A.	Labor				
	a. Construction Foreman	1	4.00	88.12	352.48
	b. Skilled Laborer	1	4.00	63.79	255.16
	c. Unskilled Laborer	1	4.00	49.20	196.80
	Sub- Total for A				804.44
	Name and Capacity	**No. of Unit/s**	**NO. of Month/s**	**MOnthly Rate**	**Amount (PhP)**
B.	Equipment				
	Minor Tools (10% of labor cost)				80.44
	Sub- Total for B				80.44
C.	Total (A + B)				884.88
D.	Output per Hour = 1.00 l.s.				
E.	Direct Unit Cost (C ÷ D)				884.88
	Name and Specification	**Unit**	**Quantity**	**Unit Cost**	**Amount (PhP)**
F.	Materials				
	a. 8' x 8' Tarpaulin	ft^2	64.00	20.00	1,280.00
	b. Good Lumber (Frames)	bd-ft	48.00	42.00	2,016.00
	c. Assorted Common Working Nails	kg	1.00	75.00	75.00
	Sub- Total for F				3,371.00
G.	Direct Unit Cost (E + F)				4,255.88
H.	Overhead, Contingencies & Miscellaneous (OCM) Expenses			15% of G	638.38
I.	Contractors's Profit (CP)			10% of G	425.59
J.	Value Added Tax (VAT)			5% of (G + H + I)	265.99
K.	Total Unit Cost			(G + H + I + J)	**5,585.84**

DETAILED UNIT PRICE ANALYSIS (DUPA)

Item No./ Description : b Occupational Safety and Health Program
Unit of Measure : 2.00 mo
Outout per hour : 2.00

	Designation	No. of Person/s	NO. of Hour/s	Hourly Rate	Amount (PhP)
A.	Labor				
	Health and Safety Practitioner				
	a. Safety Practitioner/ Officer (Part Time)	1	4.00	760.80	3,043.20
	Sub- Total for A				3,043.20
	Name and Capacity	**No. of Unit/s**	**NO. of Month/s**	**MOnthly Rate**	**Amount (PhP)**
B.	Equipment				
	Sub- Total for B				-
C.	Total (A + B)				3,043.20
D.	Output				
E.	Direct Unit Cost (C ÷ D)				1,521.60
	Name and Specification	**Unit**	**Quantity**	**Unit Cost**	**Amount (PhP)**
F.	Materials				
	Personal Protective Equipment				
	a. Safety Helmet	man-days	25.00	36.00	900.00
	b. Safety Shoes	man-days	25.00	35.00	875.00
	c. Safety Gloves	man-days	25.00	65.00	1,625.00
	d. Vest	man-days	25.00	86.00	2,150.00
	f. Dust Mask	man-days	25.00	128.00	3,200.00
	g. Eye Goggles	man-days	25.00	288.00	7,200.00
	j. Rubber Boots	man-days	10.00	1,600.00	16,000.00
	Use for the whole project duration				
	a. PPE Signage (4' x 8')	set	2.00	2,200.00	4,400.00
	b. Safety First (4' x 4')	set	2.00	620.00	1,240.00
	c. Warning Signs (2' x 3')	sets	8.00	920.00	7,360.00
	d. Caution Tape , 1000 ft	roll	1.00	200.00	200.00
	Note : Use for the whole project duration				
	Sub- Total for F				45,150.00
G.	Direct Unit Cost (E + F)				46,671.60
H.	Overhead, Contingencies & Miscellaneous (OCM) Expenses		0% of G		-
I.	Contractors's Profit (CP)		10% of G		4,667.16
J.	Value Added Tax (VAT)		5% of (G + H + I)		2,566.94
K.	Total Unit Cost		(G + H + I + J)		**53,905.70**

DETAILED UNIT PRICE ANALYSIS (DUPA)

Item No./ Description : c Mobilization/Demobilization
Unit of Measure : 1 l.s.
Outout per hour : 1.00

	Designation	No. of Person/s	NO. of Hour/s	Hourly Rate	Amount (PhP)
A.	Labor				
	Sub- Total for A				-
	Name and Capacity	**No. of Unit/s**	**NO. of Month/s**	**MOnthly Rate**	**Amount (PhP)**
B.	Equipment				
	a. Mobilization/Demobilization (1% of Part III)				34,178.96
	Sub- Total for B				34,178.96
C.	Total (A + B)				34,178.96
D.	Output				
E.	Direct Unit Cost (C ÷ D)				34,178.96
	Name and Specification	**Unit**	**Quantity**	**Unit Cost**	**Amount (PhP)**
F.	Materials				
	Sub- Total for F				-
G.	Direct Unit Cost (E + F)				34,178.96
H.	Overhead, Contingencies & Miscellaneous (OCM) Expenses			15% of G	5,126.84
I.	Contractors's Profit (CP)			10% of G	3,417.90
J.	Value Added Tax (VAT)			5% of (G + H + I)	2,136.19
K.	Total Unit Cost			(G + H + I + J)	**44,859.89**

DETAILED UNIT PRICE ANALYSIS (DUPA)

Item No./ Description	:	d	Structure Excavation (Common Soil)
Unit of Measure	:	91.36	m^3
Outout per hour	:	20.00	m^3

	Designation	No. of Person/s	NO. of Hour/s	Hourly Rate	Amount (PhP)
A.	Labor				
	a. Construction Foreman	1	1.00	88.12	88.12
	b. Unskilled Laborer	3	1.00	49.20	147.60
	Sub- Total for A				235.72
	Name and Capacity	**No. of Unit/s**	**NO. of Hour/s**	**Hourly Rate**	**Amount (PhP)**
B.	Equipment				
	a. Dump Truck ($12yd^3$)	2	1.00	1,420.00	2,840.00
	b. Backhoe (0.80 m^3)	1	1.00	1,537.00	1,537.00
	Minor Tools (10% of Labor Cost)				23.57
	Sub- Total for B				4,400.57
C.	Total (A + B)				4,636.29
D.	Output per Hour = 20.00 m^3				
E.	Direct Unit Cost (C ÷ D)				231.81
	Name and Specification	**Unit**	**Quantity**	**Unit Cost**	**Amount (PhP)**
F.	Materials				
	Sub- Total for F				-
G.	Direct Unit Cost (E + F)				231.81
H.	Overhead, Contingencies & Miscellaneous (OCM) Expenses			15% of G	34.77
I.	Contractors's Profit (CP)			10% of G	23.18
J.	Value Added Tax (VAT)			5% of (G + H + I)	14.49
K.	Total Unit Cost			(G + H + I + J)	**304.25**

DETAILED UNIT PRICE ANALYSIS (DUPA)

Item No./ Description	:	e	Embankment from Structure Excavation
Unit of Measure	:	43.75	m^3
Outout per hour	:	9.84	m^3

	Designation	No. of Person/s	NO. of Hour/s	Hourly Rate	Amount (PhP)
A.	Labor				
	a. Construction Foreman	1	1.00	88.12	88.12
	b. Unskilled Laborer	3	1.00	49.20	147.60
	Sub- Total for A				235.72
	Name and Capacity	**No. of Unit/s**	**NO. of Hour/s**	**Hourly Rate**	**Amount (PhP)**
B.	Equipment				
	a. Plate Compactor (5hp)	1	0.75	123.00	92.25
	b. Backhoe (0.80 m^3)	1	0.75	1,537.00	1,152.75
	Minor Tools (10% of Labor Cost)				23.57
	Sub- Total for B				1,268.57
C.	Total (A + B)				1,504.29
D.	Output per Hour = 9.84 m^3				
E.	Direct Unit Cost (C ÷ D)				152.88
	Name and Specification	**Unit**	**Quantity**	**Unit Cost**	**Amount (PhP)**
F.	Materials				
	Sub- Total for F				-
G.	Direct Unit Cost (E + F)				152.88
H.	Overhead, Contingencies & Miscellaneous (OCM) Expenses			15% of G	22.93
I.	Contractors's Profit (CP)			10% of G	15.29
J.	Value Added Tax (VAT)			5% of (G + H + I)	9.56
K.	Total Unit Cost			(G + H + I + J)	**200.66**

DETAILED UNIT PRICE ANALYSIS (DUPA)

Item No./ Description	:	f	Gravel Fill
Unit of Measure	:	8.72	m^3
Outout per hour	:	1.20	m^3

	Designation	No. of Person/s	NO. of Hour/s	Hourly Rate	Amount (PhP)
A.	Labor				
	a. Construction Foreman	1	1.00	88.12	88.12
	b. Unskilled Laborer	3	1.00	49.20	147.60
	Sub- Total for A				235.72
	Name and Capacity	**No. of Unit/s**	**NO. of Hour/s**	**Hourly Rate**	**Amount (PhP)**
B.	Equipment				
	a. Plate Compactor	1	0.50	123.00	61.50
	Minor Tools (10% of Labor Cost)				23.57
	Sub- Total for B				85.07
C.	Total (A + B)				320.79
D.	Output per Hour = 1.20 m^3				
E.	Direct Unit Cost (C ÷ D)				267.33
	Name and Specification	**Unit**	**Quantity**	**Unit Cost**	**Amount (PhP)**
F.	Materials				
	a. Gravel Bedding (G1) (w/ 25% Shrinkage Factor)	m^3	1.05	832.00	873.60
	Sub- Total for F				873.60
G.	Direct Unit Cost (E + F)				1,140.93
H.	Overhead, Contingencies & Miscellaneous (OCM) Expenses		15% of G		171.14
I.	Contractors's Profit (CP)		10% of G		114.09
J.	Value Added Tax (VAT)		5% of (G + H + I)		71.31
K.	Total Unit Cost		(G + H + I + J)		**1,497.47**

DETAILED UNIT PRICE ANALYSIS (DUPA)

Item No./ Description	:	g	Structural Concrete for Footing and Slab on Fill (Class A, 28 days)
Unit of Measure	:	17.44	m^3
Outout per hour	:	0.357	m^3

	Designation	No. of Person/s	NO. of Hour/s	Hourly Rate	Amount (PhP)
A.	Labor				
	a. Construction Foreman	1	1.00	88.12	88.12
	b. Skilled Laborer	1	1.00	63.79	63.79
	c. Unskilled Laborer	4	1.00	49.20	196.80
	Sub- Total for A				348.71
	Name and Capacity	**No. of Unit/s**	**NO. of Hour/s**	**Hourly Rate**	**Amount (PhP)**
B.	Equipment				
	a. One Bagger Mixer	1	1.00	172.00	172.00
	Minor Tools (10% of Labor Cost)				34.87
	Sub- Total for B				206.87
C.	Total (A + B)				555.58
D.	Output per Hour = 0.357 m^3				
E.	Direct Unit Cost (C ÷ D)				1,556.25
	Name and Specification	**Unit**	**Quantity**	**Unit Cost**	**Amount (PhP)**
F.	Materials				
	a. Gravel	m^3	1.00	764.00	764.00
	b. Sand	m^3	0.50	772.00	386.00
	c. Portland Cement	bags	10.00	260.00	2,600.00
	Sub- Total for F				3,750.00
G.	Direct Unit Cost (E + F)				5,306.25
H.	Overhead, Contingencies & Miscellaneous (OCM) Expenses		15% of G		795.94
I.	Contractors's Profit (CP)		10% of G		530.63
J.	Value Added Tax (VAT)		5% of (G + H + I)		331.64
K.	Total Unit Cost		(G + H + I + J)		**6,964.46**

DETAILED UNIT PRICE ANALYSIS (DUPA)

Item No./ Description	:	h	Structural Concrete for Column (Class A, 28 days)
Unit of Measure	:	8.10	m^3
Outout per hour	:	0.270	m^3

	Designation	No. of Person/s	NO. of Hour/s	Hourly Rate	Amount (PhP)
A.	Labor				
	a. Construction Foreman	1	1.00	88.12	88.12
	b. Skilled Laborer	2	1.00	63.79	127.58
	c. Unskilled Laborer	4	1.00	49.20	196.80
	Sub- Total for A				412.50
	Name and Capacity	**No. of Unit/s**	**NO. of Hour/s**	**Hourly Rate**	**Amount (PhP)**
B.	Equipment				
	a. One Bagger Mixer	1	1.00	172.00	172.00
	Minor Tools (10% of Labor Cost)				41.25
	Sub- Total for B				213.25
C.	Total (A + B)				625.75
D.	Output per Hour = 0.27 m^3				
E.	Direct Unit Cost (C ÷ D)				2,317.59
	Name and Specification	**Unit**	**Quantity**	**Unit Cost**	**Amount (PhP)**
F.	Materials				
	a. Gravel	m^3	1.00	764.00	764.00
	b. Sand	m^3	0.50	772.00	386.00
	c. Portland Cement	bags	10.00	260.00	2,600.00
	Sub- Total for F				3,750.00
G.	Direct Unit Cost (E + F)				6,067.59
H.	Overhead, Contingencies & Miscellaneous (OCM) Expenses		15% of G		910.14
I.	Contractors's Profit (CP)		10% of G		606.76
J.	Value Added Tax (VAT)		5% of (G + H + I)		379.22
K.	Total Unit Cost		(G + H + I + J)		**7,963.71**

Note: 1. This cost sheet shall be used for concreting footing tie beam, column, suspended slab, and girder/beam by using manual mixing and manual pouring of concrete applicable for Item Nos. 900(1)c3, 900(1)c4, 900(1)c5 and 900(1)c6. Ideally, this cost sheet shall be used for one-storey to two-storey buildings involving one to two spans in remote areas.

DETAILED UNIT PRICE ANALYSIS (DUPA)

Item No./ Description	:	i	Structural Concrete for Beams (Class A, 28 days)
Unit of Measure	:	2.48	m^3
Outout per hour	:	0.270	m^3

	Designation	No. of Person/s	NO. of Hour/s	Hourly Rate	Amount (PhP)
A.	Labor				
	a. Construction Foreman	1	1.00	88.12	88.12
	b. Skilled Laborer	2	1.00	63.79	127.58
	c. Unskilled Laborer	4	1.00	49.20	196.80
	Sub- Total for A				412.50
	Name and Capacity	**No. of Unit/s**	**NO. of Hour/s**	**Hourly Rate**	**Amount (PhP)**
B.	Equipment				
	a. One Bagger Mixer	1	1.00	172.00	172.00
	Minor Tools (10% of Labor Cost)				41.25
	Sub- Total for B				213.25
C.	Total (A + B)				625.75
D.	Output per Hour = 0.270 m^3				
E.	Direct Unit Cost (C ÷ D)				2,317.59
	Name and Specification	**Unit**	**Quantity**	**Unit Cost**	**Amount (PhP)**
F.	Materials				
	a. Gravel	m^3	1.00	764.00	764.00
	b. Sand	m^3	0.50	772.00	386.00
	c. Portland Cement	bags	10.00	260.00	2,600.00
	Sub- Total for F				3,750.00
G.	Direct Unit Cost (E + F)				6,067.59
H.	Overhead, Contingencies & Miscellaneous (OCM) Expenses		15% of G		910.14
I.	Contractors's Profit (CP)		10% of G		606.76
J.	Value Added Tax (VAT)		5% of (G + H + I)		379.22
K.	Total Unit Cost		(G + H + I + J)		**7,963.71**

Note: 1. This cost sheet shall be used for concreting footing tie beam, column, suspended slab, and girder/beam by using manual mixing and manual pouring of concrete applicable for Item Nos. 900(1)c3, 900(1)c4, 900(1)c5 and 900(1)c6. Ideally, this cost sheet shall be used for one-storey to two-storey buildings involving one to two spans in remote areas.

DETAILED UNIT PRICE ANALYSIS (DUPA)

Item No./ Description	:	j	Reinforcing Steel (Deformed), Grade 40
Unit of Measure	:	1,961.23	kg
Outout per hour	:	129.094	kg

	Designation	No. of Person/s	NO. of Hour/s	Hourly Rate	Amount (PhP)
A.	Labor				
	a. Construction Foreman	1	1.00	88.12	88.12
	b. Skilled Laborer	3	1.00	63.79	191.37
	c. Unskilled Laborer	12	1.00	49.20	590.40
	Sub- Total for A				869.89
	Name and Capacity	**No. of Unit/s**	**NO. of Hour/s**	**Hourly Rate**	**Amount (PhP)**
B.	Equipment				
	a. Bar Cutter	1	0.50	219.75	109.88
	b. Bar Bender	1	0.50	351.50	175.75
	Minor Tools (10% of Labor Cost)				86.99
	Sub- Total for B				372.61
C.	Total (A + B)				1,242.50
D.	Output per Hour = 129.094 kg				
E.	Direct Unit Cost (C ÷ D)				9.62
	Name and Specification	**Unit**	**Quantity**	**Unit Cost**	**Amount (PhP)**
F.	Materials				
	a. Deformed Reinforcing Steel Grade 60/Grade 40	kg	1.00	64.43	64.43
	b. #16 Galvanized Iron Wire	kg	0.015	65.00	0.98
	Sub- Total for F				65.41
G.	Direct Unit Cost (E + F)				75.03
H.	Overhead, Contingencies & Miscellaneous (OCM) Expenses			15% of G	11.25
I.	Contractors's Profit (CP)			10% of G	7.50
J.	Value Added Tax (VAT)			5% of (G + H + I)	4.69
K.	Total Unit Cost			(G + H + I + J)	**98.47**

DETAILED UNIT PRICE ANALYSIS (DUPA)

Item No./ Description	:	k	Formworks and Falseworks
Unit of Measure	:	121.50	m^2
Outout per hour	:	47.00	m^2

	Designation	No. of Person/s	NO. of Hour/s	Hourly Rate	Amount (PhP)
A.	Labor				
	Installation				
	a. Construction Foreman	1	1.00	88.12	88.12
	b. Skilled Laborer	4	1.00	63.79	255.16
	c. Unskilled Laborer	6	1.00	49.20	295.20
	Stripping				
	a. Construction Foreman	1	0.56	88.12	49.35
	b. Unskilled Laborer	6	0.56	49.20	165.31
	Sub- Total for A				853.14
	Name and Capacity	**No. of Unit/s**	**NO. of Day/s**	**Daily Rental Rate**	**Amount (PhP)**
B.	Equipment				
	Sub- Total for B				-
C.	Total (A + B)				853.14
D.	Output per Hour = 47.000 m^2				
E.	Direct Unit Cost (C ÷ D)				18.15
F.	**Name and Specification**	**Unit**	**Quantity**	**Unit Cost**	**Amount (PhP)**
	Materials				
	a. Phenolic Board (0.019 x 1.2 x 2.4) - 4 uses	pcs	0.347	1,450.00	125.79
	b. Good Lumber - 3 uses	bd ft	4.727	40.00	63.03
	c. Consumables (2% of Materials Cost)				3.78
	Sub- Total for F				192.60
G.	Direct Unit Cost (E + F)				210.75
H.	Overhead, Contingencies & Miscellaneous (OCM) Expenses			15% of G	31.61
I.	Contractors's Profit (CP)			10% of G	21.08
J.	Value Added Tax (VAT)			5% of (G + H + I)	13.17
K.	Total Unit Cost			(G + H + I + J)	**276.61**

DETAILED UNIT PRICE ANALYSIS (DUPA)

Item No./ Description	:	I	100mm CHB Non-Loading Bearing (including Reinforcing Steel)
Unit of Measure	:	275.00	m^2
Outout per hour	:	3.825	m^2

	Designation	No. of Person/s	NO. of Hour/s	Hourly Rate	Amount (PhP)
A.	Labor				
	a. Construction Foreman	1	1.00	88.12	88.12
	b. Skilled Laborer	2	1.00	63.79	127.58
	c. Unskilled Laborer	3	1.00	49.20	147.60
	Sub- Total for A				363.30
	Name and Capacity	**No. of Unit/s**	**NO. of Hour/s**	**Hourly Rate**	**Amount (PhP)**
B.	Equipment				
	a. One-bagger mixer	1	1.00	172.00	172.00
	Minor Tools (10% of Labor Cost)				36.33
	Sub- Total for B				208.33
C.	Total (A + B)				571.63
D.	Output per Hour = 3.825 m^2				
E.	Direct Unit Cost (C ÷ D)				149.45
	Name and Specification	**Unit**	**Quantity**	**Unit Cost**	**Amount (PhP)**
F.	Materials				
	a. 100 mm thk CHB (non-Load Bearing)	pc	13.000	9.50	123.50
	b. Cement	bag	0.525	260.00	136.50
	c. Sand	cu.m	0.044	772.00	33.97
	d. Reinforcing Steel	kg	3.24	44.43	143.95
	e. #16 Tie wire	kg	0.05	65.00	3.25
	Handling Cost				-
	Sub- Total for F				441.17
G.	Direct Unit Cost (E + F)				590.62
H.	Overhead, Contingencies & Miscellaneous (OCM) Expenses			15% of G	88.59
I.	Contractors's Profit (CP)			10% of G	59.06
J.	Value Added Tax (VAT)			5% of (G + H + I)	36.91
K.	Total Unit Cost			(G + H + I + J)	**775.18**

DETAILED UNIT PRICE ANALYSIS (DUPA)

Item No./Description : m Cement Plaster Finish
Unit of Measurement : 550 m^2
Output per hour : 7.125

	Designation	No. of Person/s	No. of Hour/s	Hourly Rate	Amount (PhP)
A.	Labor				
	a. Construction Foreman	1	1.00	88.12	88.12
	b. Skilled Laborer	2	1.00	63.79	127.58
	c. Unskilled Laborer	4	1.00	49.20	196.80
	Sub - Total for A				412.50
	Name and Capacity	**No. of Unit/s**	**No. of Hour/s**	**Hourly Rate**	**Amount (PhP)**
B.	Equipment				
	Minor Tools (10% of Labor Cost)				41.25
	Sub - Total for B				41.25
C.	Total (A + B)				453.75
D.	Output per Hour = 7.125 m^2				
E.	Direct Unit Cost (C ÷ D)				63.68
	Name and Specification	**Unit**	**Quantity**	**Unit Cost**	**Amount (PhP)**
F.	Materials				
	a. Cement	bag	0.330	217.50	71.78
	b. Sand	cu.m	0.027	369.43	9.79
	Sub - Total for F				81.56
G.	Direct Unit Cost (E + F)				145.25
H.	Overhead, Contingencies & Miscellaneous (OCM) Expenses			15% of G	21.79
I.	Contractor's Profit (CP)			10% of G	14.52
J.	Value Added Tax (VAT)			5% of (G + H + I)	9.08
K.	Total Unit Cost			(G + H + I + J)	190.64

DETAILED UNIT PRICE ANALYSIS (DUPA)

Item No./ Description	: m		Painting Works (Masonry Painting)
Unit of Measure	:	552.00	m^2
Outout per hour	:		2.10

	Designation	No. of Person/s	NO. of Hour/s	Hourly Rate	Amount (PhP)
A.	Labor				
	a. Construction Foreman	1	1.00	88.12	88.12
	b. Skilled Laborer	2	1.00	63.79	127.58
	c. Unskilled Laborer	2	1.00	49.20	98.40
	Sub- Total for A				314.10
	Name and Capacity	**No. of Unit/s**	**NO. of Month/s**	**MOnthly Rate**	**Amount (PhP)**
B.	Equipment				
	Minor Tools (10% of Labor Cost)				31.41
	Sub- Total for B				31.41
C.	Total (A + B)				345.51
D.	Output per Hour = 2.100 m^2				
E.	Direct Unit Cost (C ÷ D)				164.53
	Name and Specification	**Unit**	**Quantity**	**Unit Cost**	**Amount (PhP)**
F.	Materials				
	a. Concrete Neutralizer	l	0.020	177.00	3.54
	b. Concrete Sealer/Primer	gal	0.040	547.00	21.88
	c. Patching Compound	gal	0.050	550.00	27.50
	d. Semi Gloss Latex (two coats)	gal	0.08	640.00	51.20
	e. Consumables (5% of Materials Cost)				
	Sub- Total for F				104.12
G.	Direct Unit Cost (E + F)				268.65
H.	Overhead, Contingencies & Miscellaneous (OCM) Expenses			15% of G	40.30
I.	Contractors's Profit (CP)			10% of G	26.87
J.	Value Added Tax (VAT)			5% of (G + H + I)	16.79
K.	Total Unit Cost			(G + H + I + J)	**352.61**