

Republic of the Philippines
(NAME OF CONSTRUCTION FIRM)
 (Address)

BILL OF QUANTITIES

PROJECT TITLE:	REPAIR OF CHET ACCESS ROAD		
LOCATION :	BSU COMPOUND, LA TRINIDAD, BENGUET		
TOTAL PROJECT COST :	PHP	700,000.00	
PROJECT DURATION:	20 C.D.	INCLUSIVE OF:	18 UNWORKABLE DAYS
IMPLEMENTATION MODE:	BY CONTRACT		

PROJECT DESCRIPTION	EQUIPMENT NEEDED		EQUIPMENT NEEDED	
	NO.	DESCRIPTION	NO.	DESCRIPTION
The project is an improvement of the 57 linear meters road network going to the New CHET Building. The proposed road will be an 8 inches thick Portland Cement Concrete Pavement (PCCP).	0	Backhoe w/ Breaker		
	0	Backhoe w/ Dozer		
	0	Dump Truck		
	0	Vibratory Roller (5 m.t.)		
			TECHNICAL PERSONEL	
			NO.	DESCRIPTION
ROADBED WIDTH: 5.0M - 5.5M			1	Site Engineer
PAVEMENT WIDTH: 5.0 M			1	Materials Engineer
NET LENGTH: 57 L.M			1	Construction Foreman
PCCP THICKNESS: 0.20 M				

ITEM NO.	DESCRIPTION	% WEIGHT	QUANTITY	UNIT	UNIT COST	TOTAL COST
B.5	PROJECT BILLBOARD / SIGNBOARD		1.00	EACH		
B.7	OCCUPATIONAL SAFETY AND HEALTH PROGRAM		1.00	LUMP SUM		
B.9	MOBILIZATION / DEMOBILIZATION		1.00	LUMP SUM		
101(1)	REMOVAL OF STRUCTURES AND OBSTRUCTION (OTHER THAN CONCRETE)		60.00	CU.M.		
105(1)	SUBGRADE PREPARATION (COMMON MATERIAL)		285.00	SQ.M.		
200(1)	AGGREGATE SUBBASE COURSE		57.00	CU.M.		
311	PORTLAND CEMENT CONCRETE PAVEMENT, 200MM THICK		285.00	SQ.M.		
600	CONCRETE CURB & GUTTER (3000 PSI @ 14 DAYS)		55.00	L.M.		
803	STRUCTURE EXCAVATION		9.00	CU.M.		
505	GROUTED RIPRAP		32.50	CU.M.		
TOTAL PROJECT COST						

BREAKDOWN OF ESTIMATED PROJECT COST					TOTAL COST
A.	DIRECT COST				
	EQUIPMENT				
	LABOR				
	MATERIALS				
B.	INDIRECT COST				
	OCM				
	CONTRACTOR'S PROFIT				
	TAXES				
C.	PROJECT COST(TOTAL A+B)				
TOTAL BID AMOUNT IN FIGURE:					

TOTAL BID AMOUNT IN WORDS: _____

PREPARED BY:

SIGNATURE

Name of Contractor/ Representative

Name of Construction Firm

Designation

Date:

PART B: OTHER 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				
			Equipment Total	-
B. Labor				
a. Skilled Laborer				
			Skilled Sub Total	-
b. Laborers				
			Unskilled Sub Total	-
			Labor Total	-
C. Materials				
a. Printed Billboard Tarpaulin	64	sq.ft.		
b. 1/4"x1.2m x 2.44m Ordinary Plywood	2	pcs.		
c. Good Lumber (Frames)	35	bd.ft.		
d. Assorted CWNs	1	kg.		
			Material Total	-

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/each	-

PART B: OTHER GENERAL REQUIREMENTS

ITEM NO.:	B.7	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.	None				-
				Skilled Sub Total	-
b.	None				-
				Unskilled Sub Total	-
				Labor Total	-
C.	Materials				
a.	Safety First (2' x 3')	3	sets		
b.	Warning Signs (2' x 3')	3	sets		
c.	Caution Tape, 100ft	1	roll		
				Material Total	-

D.	DIRECT COST(A+B+C)		-
E.	OCM	0% 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 B: OTHER 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)				
a.	Backhoe w/ Breaker				
b.	Dump Truck				
c.	Backhoe w/ Dozer				
d.	Vibratory Roller (5 m.t.)				
				Equipment Total	-
B.	Labor				
a.	Backhoe w/ Breaker Operator				
b.	Dump Truck Driverr				
c.	Backhoe w/ Dozer Operator				
d.	Vibratory Roller (5 m.t.) Operator				
				Skilled Sub Total	-
e.	Backhoe w/ Breaker Helper				
f.	Dump Truck Helper				
g.	Backhoe w/ Dozer Helper				
h.	Vibratory Roller (5 m.t.) Helper				
				Unskilled Sub Total	-
				Labor Total	-
C.	Materials				
a.	None				
				Material Total	-
D.	DIRECT COST(A+B+C)				
E.	OCM				0% DIRECT COST
F.	Contractor's Profit				0% 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 C: EARTHWORKS

ITEM NO.:	101(1)	UNIT:	CU.M.
DESCRIPTION:	REMOVAL OF STRUCTURES AND OBSTRUCTION (OTHER THAN CONCRETE)	QUANTITY:	60.00

DESCRIPTION	QTY	DAYS	UNIT COST	AMOUNT
A. Equipment Rental(To include fuel, oil, lubricants, and equipment maintenance)				
a. Backhoe w/ Breaker				
b. Dump Truck				
c. Minor Tools				
			Equipment Total	-
B. Labor				
a. Construction Foreman				
b. Backhoe w/ Breaker Operator				
c. Dump Truck Driver				
			Skilled Sub-Total	-
d. Backhoe w/ Breaker Helper				
e. Dump Truck Helper				
f. Laborers				
			Unskilled Sub-Total	-
			Labor Total	-
C. Materials				
a. None				
			Material Total	-

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/cu.m.	-

PART C: EARTHWORKS

ITEM NO.:	105(1)	UNIT:	SQ.M.
DESCRIPTION:	SUBGRADE PREPARATION (COMMON MATERIAL)	QUANTITY:	285

	DESCRIPTION	QTY	DAYS	UNIT COST	AMOUNT
A.	Equipment Rental(To include fuel, oil, lubricants, and equipment maintenance)				
a.	Backhoe w/ Dozer				
b.	Vibratory Roller (5 m.t.)				
c.	Minor Tools				
				Equipment Total	-
B.	Labor:				
a.	Construction Foreman				
b.	Backhoe w/ Dozer Operator				
c.	Vibratory Roller (5 m.t.) Operator				
				Skilled Sub-Total	-
d.	Backhoe w/ Dozer Helper				
e.	Vibratory Roller (5 m.t.) Helper				
f.	Laborers				
				Unskilled Sub-Total	-
				Labor Total	-
C.	Materials				
a.	None				
				Material Total	-

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/sq.m.

PART D: SUBBASE AND BASE COURSE

ITEM NO.:	200(1)	UNIT:	CU.M.
DESCRIPTION:	AGGREGATE SUBBASE COURSE	QUANTITY:	57

	DESCRIPTION	QTY	DAYS	UNIT COST	AMOUNT
A.	Equipment Rental(To include fuel, oil, lubricants, and equipment maintenance)				
a.	Backhoe w/ Dozer				
b.	Vibratory Roller (5 m.t.)				
c.	Minor Hand Tools				
				Equipment Total	-
B.	Labor:				
a.	Construction Foreman				
b.	Backhoe w/ Dozer Operator				
c.	Vibratory Roller (5 m.t.) Operator				
				Skilled Sub-Total	-
d.	Backhoe w/ Dozer Helper				
e.	Vibratory Roller (5 m.t.) Helper				
f.	Laborers				
				Unskilled Sub-Total	-
				Labor Total	-
C.	Materials				
a.	Aggregate Subbase Course	57	cu.m.		
				Material Total	-

D. DIRECT COST(A+B+C)

E. OCM

_____	%	DIRECT COST
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F. Contractor's Profit

_____	%	DIRECT COST
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G. Tax

7% (DC+OCM+CP)

H. INDIRECT COST(E+F+G)

I. TOTAL ITEM COST(D+H)

Unit Cost/cu.m.

PART E: SURFACE COURSES

ITEM NO.:	311	UNIT:	SQ.M.
DESCRIPTION:	PORTLAND CEMENT CONCRETE PAVEMENT, 200MM THICK	QUANTITY:	285

DESCRIPTION	QTY	DAYS	UNIT COST	AMOUNT
A. Equipment Rental(To include fuel, oil, lubricants, and equipment maintenance)				
a. Concrete Vibrator				
b. Concrete Screeder (5.5 Hp)				
c. Concrete Saw, Blade Ø 14" (7.5 Hp.)				
d. Bar Cutter, Single Phase				
e. Steel Forms				
f. Minor Tools				
			Equipment Total	-
B. Labor:				
a. Construction Foreman				
b. Skilled Laborers				
			Skilled Sub-Total	
c. Laborers				
			Unskilled Sub-Total	
			Labor Total	-
C. Materials				
a. Ready Mix Concrete, 3000psi @ 14 Days	59	cu.m.		
b. Reinforcing Steel Bar	111	kgs.		
c. Curing Compound	83	lit.		
d. Asphalt Sealant	34	lit.		
e. Concrete Saw (diamond blade 14")	0.1	pc.		
f. Pipe Sleeve, 1 1/2" dia.	2	l.m.		
g. Grease/Tar	2	lit.		
h. Canvass Sheets	25	l.m.		
			Material Total	-

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/sq.m.

PART H: MISCELLANEOUS STRUCTURES

ITEM NO.:	600	UNIT:	L.M.
DESCRIPTION:	CONCRETE CURB & GUTTER (3000 PSI @ 14 DAYS)	QUANTITY:	55

DESCRIPTION		QTY	DAYS	UNIT COST	AMOUNT
A.	Equipment Rental(To include fuel, oil, lubricants, and equipment maintenance)				
a.	Concrete Vibrator				
b.	One Bagger Mixer				
c.	Minor Tools				
				Equipment Total	-
B.	Labor:				
a.	Construction Foreman				
b.	Skilled Laborers				
				Skilled Sub-Total	-
c.	Laborers				
				Unskilled Sub-Total	-
				Labor Total	-
C.	Materials				
a.	Sand	2	cu.m.		
b.	Gravel	4	cu.m.		
c.	Cement	34	bags.		
d.	Reinforcing Steel Bar (Tie Bar)	33	kgs		
e.	Plywood Marine, 1/2" thk. x 4' x 8' - 4 uses	4	pcs.		
f.	Form Lumber - 4 uses	50	bd.ft.		
g.	Assorted CWNs	1	lump sum		
h.	Miscellaneous				
				Material Total	

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/l.m.

PART C: EARTHWORKS

ITEM NO.:	803	UNIT:	CU.M.
DESCRIPTION:	STRUCTURE EXCAVATION	QUANTITY:	9.00

	DESCRIPTION	QTY	DAYS	UNIT COST	AMOUNT
A.	Equipment Rental(To include fuel, oil, lubricants, and equipment maintenance)				
a.	Minor Tools				
				Equipment Total	-
B.	Labor				
a.	Construction Foreman				
b.	Skilled Laborer				
				Skilled Sub-Total	-
c.	Laborers				
				Unskilled Sub-Total	-
				Labor Total	-
C.	Materials				
a.	None				
				Material Total	-

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/cu.m.	

PART G – DRAINAGE AND SLOPE PROTECTION STRUCTURES

ITEM NO.:	505	UNIT:	CU.M.
DESCRIPTION:	GROUTED RIPRAP	QUANTITY:	32.5

DESCRIPTION	QTY	DAYS	UNIT COST	AMOUNT
A. Equipment Rental(To include fuel, oil, lubricants, and equipment maintenance)				
a. One Bagger Mixer				
b. Minor Tools				
			Equipment Total	
B. Labor:				
a. Construction Foreman				
b. Skilled Laborers				
			Skilled Sub-Total	-
c. Laborers				
			Unskilled Sub-Total	-
			Labor Total	-
C. Materials				
a. Portland Cement	98	bags		
b. Sand	8.2	cu.m.		
c. Gravel Fill	1	cu.m.		
d. Weep Holes (PVC)	10	l.m.		
e. Filter Cloth	1	sq.m.		
f. Boulders	35	cu.m.		
g. Miscellaneous				
			Material Total	-

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/cu.m.
