

Section VIII. Bill of Quantities

Nr	Description	ABC (PhP)	Page
1	Construction of One (1) Unit Supply Building (Oils and Lubs) for 155mm SP Howitzer Facilities at HAAR, PA	4,051,032.00	01-13
2	Construction of One (1) Unit Supply Building (Vehicle Parts) for 155mm SP Howitzer Facilities at HAAR, PA	4,051,032.00	14-26
3	Construction of One (1) Unit Supply Building (QMS) for 155mm SP Howitzer Facilities at HAAR, PA	4,051,032.00	27-39
4	Construction of One (1) Unit POL Dump for 155mm SP Howitzer Facilities at HAAR, PA	19,603,312.00	40-60
5	Construction of One (1) Unit Parking (Ammunition Vehicles) for 155mm SP Howitzer Facilities at HAAR, PA	2,114,172.00	61-69
6	Construction of One (1) Unit Parking (Fire Direction Center) for 155mm SP Howitzer Facilities at HAAR, PA	2,114,172.00	70-78
7	Construction of One (1) Unit Simulation Building for 155mm SP Howitzer Facilities at HAAR, PA	11,080,867.00	79-94
Total		47,065,619.00	

PLEASE USE THIS BID FORM
DO NOT RETYPE or ALTER

Construction of One (1) Unit Supply Building (Oils and Lubs) for 155mm SP Howitzer Facilities at HAAR, PA Page (01/94)

BILL OF QUANTITIES

Construction of Operational Facilities of 155mm SP Howitzer for HAAR, PA at Fort Magsaysay, Nueva Ecija (1 Lot)
Bid Ref. No. ENG'G PABAC3 018-23
Approved Budget Contract: PhP47,065,619.00

INSTRUCTION TO THE BIDDER: Indicate cost per line item. DO NOT LEAVE ANY BLANK. INDICATE "0" IF ITEM IS BEING OFFERED FOR FREE. "NO" ENTRY WILL NOT BE ACCEPTED. FAILURE TO CONFORM WILL RESULT IN A RATING OF "FAILED"

Description	Qty	Unit	P/Unit	Amount
I. General Requirements				
Temporary Facilities	1	lot		
Permits and Licenses (building permits)	1	lot		
Sub-Total				
II. Earthworks				
a. Site Clearing	113	sqm		
b. Embankment	90	cum		
c. Labor				
Excavation	20	sqm		
Backfill	40	sqm		
Compaction	40	sqm		
Sub-Total				
III. Concrete Works				
Portland Cement type 1	380	bags		
Washed Sand	20	cum		
Crushed Gravel	40	cum		
Gravel Bedding	15	cum		

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Designation (in print)

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**Construction of One (1) Unit Supply Building
(Oils and Lubs) for 155mm SP Howitzer Facilities
at HAAR, PA Page (02/94)**

BILL OF QUANTITIES

**Construction of Operational Facilities of 155mm SP Howitzer for HAAR, PA at Fort
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Bid Ref. No. ENG'G PABAC3 018-23
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Description	Qty	Unit	P/Unit	Amount
16mmØ x 6.0 Rebars	65	pcs		
12mmØ x 6.0 Rebars	155	pcs		
10mmØ x 6.0 Rebars	416	pcs		
GI Tie Wire #16	64	kgs		
Sub-Total				
IV. Masonry Works				
6" CHB	1,972	pcs		
4" CHB	300	pcs		
Portland Cement type 1	205	bags		
Washed Sand	16	cum		
10mmØ x 6.0m Rebars	86	pcs		
GI Tie Wire #16	9	kgs		
V. Form Works				
Steel scaffoldings (rental)	120	sqm		
1/2" thk marine plywood	40	pcs		
Form lumber coco	1,500	bdf		

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at HAAR, PA Page (03/94)**

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**Construction of Operational Facilities of 155mm SP Howitzer for HAAR, PA at Fort
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Bid Ref. No. ENG'G PABAC3 018-23
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Description	Qty	Unit	P/Unit	Amount
CW nails assorted	12	kgs		
Concrete Nails	5	kgs		
Sub-Total				
VI. Steel/Metal Works				
a. Roof Framing - T1, Truss Girts				
2L - 2"x2"x1/4" thk angle bar top chord and bottom chord trusses, 1 - 1/2"x1" 1/2x1/4" thk angle bar web members, 2L- 2"x2"x1/4" thk angle bar half trusses HT-1 and HT-2, 2"x4"x1.50mm C-purlins, 10mmØ plain bar sag rod, 2-12mmØx250mmx50mm L-shape anchor bolt with nuts and washer and 100mm x250mm x 12mm base plate 1"x1"x3/16" thk angle frame (facia) to include welding rods, red oxide paint, brush and other hardware with complete accessories	181	sqm		
1/2" thk x 12" x 8' hardifascia	25	pcs		

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(Oils and Lubs) for 155mm SP Howitzer Facilities
at HAAR, PA Page (04/94)**

BILL OF QUANTITIES

**Construction of Operational Facilities of 155mm SP Howitzer for HAAR, PA at Fort
Magsaysay, Nueva Ecija (1 Lot)
Bid Ref. No. ENG'G PABAC3 018-23
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Description	Qty	Unit	P/Unit	Amount
b. Roofing				
0.50mm thk pre-painted long span - rib type, pre-painted ridge roll, valley roll, end flashing to include tex screw, blind rivets and other hardware with complete accessories	181	sqm		
Touch up paint	2	gals		
Roof sealant	15	tubes		
Paint brush 2"	5	pcs		
c. Steel Louver and Steel Railings				
Steel roof louver (see detail plan)	2	sets		
Sub-Total				
VII. Ceiling Works				
1/4" thk ficem board	65	pcs		
19mm x 50mm x 0.60mm metal furring x 5mtrs	225	pcs		
12mm x 38mm x 0.80mm thk carrying channel x 5mtrs	75	pcs		
25mm x 25mm 0.5mm thk wall angle x 5mtrs	25	pcs		

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(Oils and Lubs) for 155mm SP Howitzer Facilities
at HAAR, PA Page (05/94)**

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**Construction of Operational Facilities of 155mm SP Howitzer for HAAR, PA at Fort
Magsaysay, Nueva Ecija (1 Lot)
Bid Ref. No. ENG'G PABAC3 018-23
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Description	Qty	Unit	P/Unit	Amount
W-clip	450	pcs		
Blind rivets (500 pc/box)	18	bxs		
Concrete nails 1"	3	kgs		
Sub-Total				
VIII. Doors and Windows				
D1 – 0.80 x 2.10m flush door (mame plywood both sides) and jamb with complete hardware accessories (see detail plan)	8	sets		
D2 – 0.70 x 2.10m flush door and door jamb with complete hardware accessories (see detail plan)	1	set		
W1 – 1.20m x 0.50 mtrs awning window on aluminum frame powder coated white color with 6mm thk	9	sets		

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at HAAR, PA Page (06/94)**

BILL OF QUANTITIES

**Construction of Operational Facilities of 155mm SP Howitzer for HAAR, PA at Fort
Magsaysay, Nueva Ecija (1 Lot)
Bid Ref. No. ENG'G PABAC3 018-23
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Description	Qty	Unit	P/Unit	Amount
W2 – 0.50 x 0.50m awning window on aluminum frame powder coated white color with 6mm thk clear glass with complete hardware and accessories	1	set		
Sub-Total				
IX. Plumbing Works				
Water closet with complete fitting/accessories	1	set		
Wallhang lavatory with complete fitting	1	set		
Lavatory faucet	1	pc		
P-trap	1	pc		
1/2" gate valve	1	pc		
4"x4" floor drain SS	1	pc		
12mm faucet	2	pcs		
Mirror on aluminum frame (1.0 x 0.80m)	1	set		
Water Line				
1/2"Ø PPR pipes and fittings	1	lot		
Waste Line				

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BILL OF QUANTITIES

**Construction of Operational Facilities of 155mm SP Howitzer for HAAR, PA at Fort
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Description	Qty	Unit	P/Unit	Amount
2"Ø x 3.0m PVC Pipe	3	pcs		
3"Ø x 3.0m PVC Pipe	3	pcs		
4"Ø x 3.0m PVC Pipe	5	pcs		
2"Ø PVC elbows	5	pcs		
2"Ø PVC tee	5	pcs		
3"Ø PVC elbows	5	pcs		
3"Ø PVC tee	5	pcs		
4"Ø PVC elbows	5	pcs		
4"ØmmØ PVC tee	5	pcs		
4"Ø PVC reducer	5	pcs		
Septic vault (1) – 2.70 x 1.50 x 1.70mtrs	1	unit		
Sub-Total				
X. Painting Works				
Skim coat (white)	46	bags		
Latex paint semi gloss	10	tins		
Wood putty	3	gals		
Flatwall enamel paint	6	tins		

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**Construction of Operational Facilities of 155mm SP Howitzer for HAAR, PA at Fort
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Description	Qty	Unit	P/Unit	Amount
FWE semi gloss paint	4	tins		
Acri color	6	pints		
Tinting color	6	pints		
Roller brush with tray	6	sets		
QDE paint	2	tins		
Paint thinner	8	gals		
Paint brush	6	pcs		
Sand paper	10	pcs		
Rugs	10	kgs		

Sub-Total

XI. Electrical Works

a. Lighting & Fixtures

LED Panel Light 5"Ø 15W, Recessed type, daylight	7	sets		
LED Flood Light 50W, IP66, Weather Proof	5	sets		
LED Emergency Light, 2-bulb	2	sets		
Exhaust Fan, 30cm x 30cm, ceiling type	1	set		

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Description	Qty	Unit	P/Unit	Amount
Wires & Cables				
2.0mm ² THHN wire	1	bx		
3.5mm ² THHN wire	3	bxs		
8.0mm ² THHN wire	20	mtrs		
Coaxial cable wire RG6 with connectors	30	mtrs		
Telephone jacketed wire Cat5e with connectors	30	mtrs		
c. Pipes & Conduits				
20mmØ uPVC pipe	75	pcs		
20mmØ uPVC long elbow	20	pcs		
20mmØ uPVC male adapter with locknut	40	pcs		
32mmØ uPVC pipe	3	pcs		
32mmØ uPVC adapter	4	pcs		
32mmØ uPVC long elbow	3	pcs		
d. Wiring Devices				
1-gang switch with plate and cover, flush type	4	sets		
2-gang switch with plate and cover, flush type	2	sets		

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Description	Qty	Unit	P/Unit	Amount
Convenience Outlet, Duplex, with plate and cover	7	sets		
Convenience Outlet, Duplex, weather proof	1	set		
ACU outlet, 3-prong universal with plate and cover	1	set		
Telephone outlet with plate and cover	1	set		
Telephone terminal box	1	set		
Cable TV Outlet with plate and cover	1	set		
e. Electrical Devices				
Junction box PVC with cover 4"x4"x2"	20	sets		
Utility box PVC 4"x4"x2"	21	pcs		
Service entrance cap 32mmØ, Power	1	set		
Service entrance cap 32mmØ, Telephone and Wifi / CATV	2	sets		
Service entrance cap 32mmØ, Telephone local	1	set		
Electrical tape, big	4	pcs		

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Description	Qty	Unit	P/Unit	Amount
GI Tie wire #16, 1kg	2	kgs		
PVC Solvent 400cc	4	cans		
Secondary rack, 2-spool	1	set		
f. Panel Board				
PB 40AT/50AF MCCB, 22kaic, single phase, Bolt-on type with 06-branches: with grounding busbar, NEMA 3R enclosure 06-20AT/50AF, 2P, miniature cb, Bolt-on type	1	set		
ECB 40AT/50AF MCCB, 22kaic, single phase, Bolt-on type with grounding busbar, NEMA 3R enclosure	1	set		
Ground rod 5/8"Ø x 3m with clamp, Power and Telephone/Wifi	2	sets		
Sub-Total				
Amenities (Complete Installation)				
3/4HP Air Conditioning Unit, Window type, Inverter, complete installation and accessories	1	unit		

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Signature of Company Authorized Representative

Designation (in print)

Date

PLEASE USE THIS BID FORM
DO NOT RETYPE or ALTER

**Construction of One (1) Unit Supply Building
(Oils and Lubs) for 155mm SP Howitzer Facilities
at HAAR, PA Page (12/94)**

BILL OF QUANTITIES

**Construction of Operational Facilities of 155mm SP Howitzer for HAAR, PA at Fort
Magsaysay, Nueva Ecija (1 Lot)
Bid Ref. No. ENG'G PABAC3 018-23
Approved Budget Contract: PhP47,065,619.00**

INSTRUCTION TO THE BIDDER: Indicate cost per line item. DO NOT LEAVE ANY BLANK. INDICATE "0" IF ITEM IS BEING OFFERED FOR FREE. "NO" ENTRY WILL NOT BE ACCEPTED. FAILURE TO CONFORM WILL RESULT IN A RATING OF "FAILED"

Description	Qty	Unit	P/Unit	Amount
Telephone Corded Handset	1	set		
<i>Note: Telephone & Wifi Connection, Please Subscribe to PLDT (Free Telephone Corded Handset for Landline and Wifi Router).</i>				
Sub-Total				
XII. Fire Safety Requirements				
Fire Extinguisher ABC Dry Chemical, 10 Lbs.	3	sets		
Sub-Total				
XIII. Tiles				
60x60cm floor tiles (includes CR floor tiles)	360	pcs		
60x60cm wall tiles - CR	70	pcs		
Portland cement type 1	15	bags		
Washed sand	3	cum		
Tile Adhesive	2	bags		
Tile Grout – 2kgs/pack	3	pcks		
Cutting Disk	2	pcs		
Sub-Total				
Total				

Notes:

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BIDDER'S UNDERTAKING

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Designation (in print)

Date

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**Construction of One (1) Unit Supply Building
 (Vehicle Parts) for 155mm SP Howitzer Facilities
 at HAAR, PA Page (13/94)**

BILL OF QUANTITIES

**Construction of Operational Facilities of 155mm SP Howitzer for HAAR, PA at Fort
 Magsaysay, Nueva Ecija (1 Lot)
 Bid Ref. No. ENG'G PABAC3 018-23
 Approved Budget Contract: PhP47,065,619.00**

Description	Sub-total
III. Concrete Works	
IV. Masonry Works	
V. Form Works	
VI. Steel/Metal Works	
VII. Ceiling Works	
VIII. Doors and Windows	
IX. Plumbing Works	
X. Painting Works	
XI. Electrical Works	
XIII. Tiles	
Total Material Cost	
Labor	
I. General Requirements	
II. Earthworks (labor)	
XII. Fire Safety Requirements	
Amenities (ACU)	
E-VAT	
Overhead	
Miscellaneous	
Contractor's Profit	
Total	

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**Construction of One (1) Unit Supply Building
 (Vehicle Parts) for 155mm SP Howitzer Facilities
 at HAAR, PA Page (14/94)**

BILL OF QUANTITIES

**Construction of Operational Facilities of 155mm SP Howitzer for HAAR, PA at Fort
 Magsaysay, Nueva Ecija (1 Lot)
 Bid Ref. No. ENG'G PABAC3 018-23
 Approved Budget Contract: PhP47,065,619.00**

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Description	Qty	Unit	P/Unit	Amount
I. General Requirements				
Temporary Facilities	1	lot		
Permits and Licenses (building permits)	1	lot		
Sub-Total				
II. Earthworks				
a. Site Clearing	113	sqm		
b. Embankment	90	cum		
c. Labor				
Excavation	20	sqm		
Backfill	40	sqm		
Compaction	40	sqm		
Sub-Total				
III. Concrete Works				
Portland Cement type 1	380	bags		
Washed Sand	20	cum		
Crushed Gravel	40	cum		
Gravel Bedding	15	cum		

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**Construction of One (1) Unit Supply Building
 (Vehicle Parts) for 155mm SP Howitzer Facilities
 at HAAR, PA Page (15/94)**

BILL OF QUANTITIES

**Construction of Operational Facilities of 155mm SP Howitzer for HAAR, PA at Fort
 Magsaysay, Nueva Ecija (1 Lot)
 Bid Ref. No. ENG'G PABAC3 018-23
 Approved Budget Contract: PhP47,065,619.00**

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Description	Qty	Unit	P/Unit	Amount
16mmØ x 6.0 Rebars	65	pcs		
12mmØ x 6.0 Rebars	155	pcs		
10mmØ x 6.0 Rebars	416	pcs		
GI Tie Wire #16	64	kgs		
Sub-Total				
IV. Masonry Works				
6" CHB	1,972	pcs		
4" CHB	300	pcs		
Portland Cement type 1	205	bags		
Washed Sand	16	cum		
10mmØ x 6.0m Rebars	86	pcs		
GI Tie Wire #16	9	kgs		
V. Form Works				
Steel scaffoldings (rental)	120	sqm		
1/2" thk marine plywood	40	pcs		
Form lumber coco	1,500	bdf		

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**Construction of One (1) Unit Supply Building
 (Vehicle Parts) for 155mm SP Howitzer Facilities
 at HAAR, PA Page (16/94)**

BILL OF QUANTITIES

**Construction of Operational Facilities of 155mm SP Howitzer for HAAR, PA at Fort
 Magsaysay, Nueva Ecija (1 Lot)
 Bid Ref. No. ENG'G PABAC3 018-23
 Approved Budget Contract: PhP47,065,619.00**

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Description	Qty	Unit	P/Unit	Amount
CW nails assorted	12	kgs		
Concrete Nails	5	kgs		
Sub-Total				
VI. Steel/Metal Works				
a. Roof Framing - T1, Truss Girts				
2L - 2"x2"x1/4" thk angle bar top chord and bottom chord trusses, 1 - 1/2"x1" 1/2x1/4" thk angle bar web members, 2L- 2"x2"x1/4" thk angle bar half trusses HT-1 and HT-2, 2"x4"x1.50mm C-purlins, 10mmØ plain bar sag rod, 2-12mmØx250mmx50mm L-shape anchor bolt with nuts and washer and 100mm x250mm x 12mm base plate 1"x1"x3/16" thk angle frame (facia) to include welding rods, red oxide paint, brush and other hardware with complete accessories	181	sqm		
1/2" thk x 12" x 8' hardifascia	25	pcs		

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**Construction of One (1) Unit Supply Building
 (Vehicle Parts) for 155mm SP Howitzer Facilities
 at HAAR, PA Page (17/94)**

BILL OF QUANTITIES

**Construction of Operational Facilities of 155mm SP Howitzer for HAAR, PA at Fort
 Magsaysay, Nueva Ecija (1 Lot)
 Bid Ref. No. ENG'G PABAC3 018-23
 Approved Budget Contract: PhP47,065,619.00**

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Description	Qty	Unit	P/Unit	Amount
b. Roofing				
0.50mm thk pre-painted long span - rib type, pre-painted ridge roll, valley roll, end flashing to include tex screw, blind rivets and other hardware with complete accessories	181	sqm		
Touch up paint	2	gals		
Roof sealant	15	tubes		
Paint brush 2"	5	pcs		
c. Steel Louver and Steel Railings				
Steel roof louver (see detail plan)	2	sets		
Sub-Total				
VII. Ceiling Works				
1/4" thk ficem board	65	pcs		
19mm x 50mm x 0.60mm metal furring x 5mtrs	225	pcs		
12mm x 38mm x 0.80mm thk carrying channel x 5mtrs	75	pcs		
25mm x 25mm 0.5mm thk wall angle x 5mtrs	25	pcs		

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**Construction of One (1) Unit Supply Building
 (Vehicle Parts) for 155mm SP Howitzer Facilities
 at HAAR, PA Page (18/94)**

BILL OF QUANTITIES

**Construction of Operational Facilities of 155mm SP Howitzer for HAAR, PA at Fort
 Magsaysay, Nueva Ecija (1 Lot)
 Bid Ref. No. ENG'G PABAC3 018-23
 Approved Budget Contract: PhP47,065,619.00**

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Description	Qty	Unit	P/Unit	Amount
W-clip	450	pcs		
Blind rivets (500 pc/box)	18	bxs		
Concrete nails 1"	3	kgs		
Sub-Total				
VIII. Doors and Windows				
D1 – 0.80 x 2.10m flush door (mame plywood both sides) and jamb with complete hardware accessories (see detail plan)	8	sets		
D2 – 0.70 x 2.10m flush door and door jamb with complete hardware accessories (see detail plan)	1	set		
W1 – 1.20m x 0.50 mtrs awning window on aluminum frame powder coated white color with 6mm thk	9	sets		

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**Construction of One (1) Unit Supply Building
(Vehicle Parts) for 155mm SP Howitzer Facilities
at HAAR, PA Page (19/94)**

BILL OF QUANTITIES

**Construction of Operational Facilities of 155mm SP Howitzer for HAAR, PA at Fort
Magsaysay, Nueva Ecija (1 Lot)
Bid Ref. No. ENG'G PABAC3 018-23
Approved Budget Contract: PhP47,065,619.00**

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Description	Qty	Unit	P/Unit	Amount
W2 – 0.50 x 0.50m awning window on aluminum frame powder coated white color with 6mm thk clear glass with complete hardware and accessories	1	set		
Sub-Total				
IX. Plumbing Works				
Water closet with complete fitting/accessories	1	set		
Wallhang lavatory with complete fitting	1	set		
Lavatory faucet	1	pc		
P-trap	1	pc		
1/2" gate valve	1	pc		
4"x4" floor drain SS	1	pc		
12mm faucet	2	pcs		
Mirror on aluminum frame (1.0 x 0.80m)	1	set		
Water Line				
1/2"Ø PPR pipes and fittings	1	lot		
Waste Line				

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**Construction of One (1) Unit Supply Building
(Vehicle Parts) for 155mm SP Howitzer Facilities
at HAAR, PA Page (20/94)**

BILL OF QUANTITIES

**Construction of Operational Facilities of 155mm SP Howitzer for HAAR, PA at Fort
Magsaysay, Nueva Ecija (1 Lot)
Bid Ref. No. ENG'G PABAC3 018-23
Approved Budget Contract: PhP47,065,619.00**

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Description	Qty	Unit	P/Unit	Amount
2"Ø x 3.0m PVC Pipe	3	pcs		
3"Ø x 3.0m PVC Pipe	3	pcs		
4"Ø x 3.0m PVC Pipe	5	pcs		
2"Ø PVC elbows	5	pcs		
2"Ø PVC tee	5	pcs		
3"Ø PVC elbows	5	pcs		
3"Ø PVC tee	5	pcs		
4"Ø PVC elbows	5	pcs		
4"ØmmØ PVC tee	5	pcs		
4"Ø PVC reducer	5	pcs		
Septic vault (1) – 2.70 x 1.50 x 1.70mtrs	1	unit		
Sub-Total				
X. Painting Works				
Skim coat (white)	46	bags		
Latex paint semi gloss	10	tins		
Wood putty	3	gals		
Flatwall enamel paint	6	tins		

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**Construction of One (1) Unit Supply Building
(Vehicle Parts) for 155mm SP Howitzer Facilities
at HAAR, PA Page (21/94)**

BILL OF QUANTITIES

**Construction of Operational Facilities of 155mm SP Howitzer for HAAR, PA at Fort
Magsaysay, Nueva Ecija (1 Lot)
Bid Ref. No. ENG'G PABAC3 018-23
Approved Budget Contract: PhP47,065,619.00**

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Description	Qty	Unit	P/Unit	Amount
FWE semi gloss paint	4	tins		
Acri color	6	pints		
Tinting color	6	pints		
Roller brush with tray	6	sets		
QDE paint	2	tins		
Paint thinner	8	gals		
Paint brush	6	pcs		
Sand paper	10	pcs		
Rugs	10	kgs		

Sub-Total

XI. Electrical Works

a. Lighting & Fixtures

LED Panel Light 5"Ø 15W, Recessed type, daylight	7	sets		
LED Flood Light 50W, IP66, Weather Proof	5	sets		
LED Emergency Light, 2-bulb	2	sets		
Exhaust Fan, 30cm x 30cm, ceiling type	1	set		

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**Construction of One (1) Unit Supply Building
 (Vehicle Parts) for 155mm SP Howitzer Facilities
 at HAAR, PA Page (22/94)**

BILL OF QUANTITIES

**Construction of Operational Facilities of 155mm SP Howitzer for HAAR, PA at Fort
 Magsaysay, Nueva Ecija (1 Lot)
 Bid Ref. No. ENG'G PABAC3 018-23
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Description	Qty	Unit	P/Unit	Amount
Wires & Cables				
2.0mm ² THHN wire	1	bx		
3.5mm ² THHN wire	3	bxs		
8.0mm ² THHN wire	20	mtrs		
Coaxial cable wire RG6 with connectors	30	mtrs		
Telephone jacketed wire Cat5e with connectors	30	mtrs		
c. Pipes & Conduits				
20mmØ uPVC pipe	75	pcs		
20mmØ uPVC long elbow	20	pcs		
20mmØ uPVC male adapter with locknut	40	pcs		
32mmØ uPVC pipe	3	pcs		
32mmØ uPVC adapter	4	pcs		
32mmØ uPVC long elbow	3	pcs		
d. Wiring Devices				
1-gang switch with plate and cover, flush type	4	sets		
2-gang switch with plate and cover, flush type	2	sets		

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**Construction of One (1) Unit Supply Building
 (Vehicle Parts) for 155mm SP Howitzer Facilities
 at HAAR, PA Page (23/94)**

BILL OF QUANTITIES

**Construction of Operational Facilities of 155mm SP Howitzer for HAAR, PA at Fort
 Magsaysay, Nueva Ecija (1 Lot)
 Bid Ref. No. ENG'G PABAC3 018-23
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Description	Qty	Unit	P/Unit	Amount
Convenience Outlet, Duplex, with plate and cover	7	sets		
Convenience Outlet, Duplex, weather proof	1	set		
ACU outlet, 3-prong universal with plate and cover	1	set		
Telephone outlet with plate and cover	1	set		
Telephone terminal box	1	set		
Cable TV Outlet with plate and cover	1	set		
e. Electrical Devices				
Junction box PVC with cover 4"x4"x2"	20	sets		
Utility box PVC 4"x4"x2"	21	pcs		
Service entrance cap 32mmØ, Power	1	set		
Service entrance cap 32mmØ, Telephone and Wifi / CATV	2	sets		
Service entrance cap 32mmØ, Telephone local	1	set		
Electrical tape, big	4	pcs		

Notes:

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Name of Company (in print)

Signature of Company Authorized Representative

Designation (in print)

Date

PLEASE USE THIS BID FORM
DO NOT RETYPE or ALTER

**Construction of One (1) Unit Supply Building
 (Vehicle Parts) for 155mm SP Howitzer Facilities
 at HAAR, PA Page (24/94)**

BILL OF QUANTITIES

**Construction of Operational Facilities of 155mm SP Howitzer for HAAR, PA at Fort
 Magsaysay, Nueva Ecija (1 Lot)
 Bid Ref. No. ENG'G PABAC3 018-23
 Approved Budget Contract: PhP47,065,619.00**

INSTRUCTION TO THE BIDDER: Indicate cost per line item. DO NOT LEAVE ANY BLANK. INDICATE "0" IF ITEM IS BEING OFFERED FOR FREE. "NO" ENTRY WILL NOT BE ACCEPTED. FAILURE TO CONFORM WILL RESULT IN A RATING OF "FAILED"

Description	Qty	Unit	P/Unit	Amount
GI Tie wire #16, 1kg	2	kgs		
PVC Solvent 400cc	4	cans		
Secondary rack, 2-spool	1	set		
f. Panel Board				
PB 40AT/50AF MCCB, 22kaic, single phase, Bolt-on type with 06-branches: with grounding busbar, NEMA 3R enclosure 06-20AT/50AF, 2P, miniature cb, Bolt-on type	1	set		
ECB 40AT/50AF MCCB, 22kaic, single phase, Bolt-on type with grounding busbar, NEMA 3R enclosure	1	set		
Ground rod 5/8"Ø x 3m with clamp, Power and Telephone/Wifi	2	sets		
Sub-Total				
Amenities (Complete Installation)				
3/4HP Air Conditioning Unit, Window type, Inverter, complete installation and accessories	1	unit		

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**Construction of One (1) Unit Supply Building
 (Vehicle Parts) for 155mm SP Howitzer Facilities
 at HAAR, PA Page (25/94)**

BILL OF QUANTITIES

**Construction of Operational Facilities of 155mm SP Howitzer for HAAR, PA at Fort
 Magsaysay, Nueva Ecija (1 Lot)
 Bid Ref. No. ENG'G PABAC3 018-23
 Approved Budget Contract: PhP47,065,619.00**

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Description	Qty	Unit	P/Unit	Amount
Telephone Corded Handset	1	set		
<i>Note: Telephone & Wifi Connection, Please Subscribe to PLDT (Free Telephone Corded Handset for Landline and Wifi Router).</i>				
Sub-Total				
XII. Fire Safety Requirements				
Fire Extinguisher ABC Dry Chemical, 10 Lbs.	3	sets		
Sub-Total				
XIII. Tiles				
60x60cm floor tiles (includes CR floor tiles)	360	pcs		
60x60cm wall tiles - CR	70	pcs		
Portland cement type 1	15	bags		
Washed sand	3	cum		
Tile Adhesive	2	bags		
Tile Grout – 2kgs/pack	3	pcks		
Cutting Disk	2	pcs		
Sub-Total				
Total				

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**Construction of One (1) Unit Supply Building
 (Vehicle Parts) for 155mm SP Howitzer Facilities
 at HAAR, PA Page (26/94)**

BILL OF QUANTITIES

**Construction of Operational Facilities of 155mm SP Howitzer for HAAR, PA at Fort
 Magsaysay, Nueva Ecija (1 Lot)
 Bid Ref. No. ENG'G PABAC3 018-23
 Approved Budget Contract: PhP47,065,619.00**

Description	Sub-total
III. Concrete Works	
IV. Masonry Works	
V. Form Works	
VI. Steel/Metal Works	
VII. Ceiling Works	
VIII. Doors and Windows	
IX. Plumbing Works	
X. Painting Works	
XI. Electrical Works	
XIII. Tiles	
Total Material Cost	
Labor	
I. General Requirements	
II. Earthworks (labor)	
XII. Fire Safety Requirements	
Amenities (ACU)	
E-VAT	
Overhead	
Miscellaneous	
Contractor's Profit	
Total	

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PLEASE USE THIS BID FORM
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**Construction of One (1) Unit Supply Building
(QMS) for 155mm SP Howitzer Facilities at HAAR,
PA Page (27/94)**

BILL OF QUANTITIES

**Construction of Operational Facilities of 155mm SP Howitzer for HAAR, PA at Fort
Magsaysay, Nueva Ecija (1 Lot)
Bid Ref. No. ENG'G PABAC3 018-23
Approved Budget Contract: PhP47,065,619.00**

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Description	Qty	Unit	P/Unit	Amount
I. General Requirements				
Temporary Facilities	1	lot		
Permits and Licenses (building permits)	1	lot		
Sub-Total				
II. Earthworks				
a. Site Clearing	113	sqm		
b. Embankment	90	cum		
c. Labor				
Excavation	20	sqm		
Backfill	40	sqm		
Compaction	40	sqm		
Sub-Total				
III. Concrete Works				
Portland Cement type 1	380	bags		
Washed Sand	20	cum		
Crushed Gravel	40	cum		
Gravel Bedding	15	cum		

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**Construction of One (1) Unit Supply Building
(QMS) for 155mm SP Howitzer Facilities at
HAAR, PA Page (28/94)**

BILL OF QUANTITIES

**Construction of Operational Facilities of 155mm SP Howitzer for HAAR, PA at Fort
Magsaysay, Nueva Ecija (1 Lot)
Bid Ref. No. ENG'G PABAC3 018-23
Approved Budget Contract: PhP47,065,619.00**

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Description	Qty	Unit	P/Unit	Amount
16mmØ x 6.0 Rebars	65	pcs		
12mmØ x 6.0 Rebars	155	pcs		
10mmØ x 6.0 Rebars	416	pcs		
GI Tie Wire #16	64	kgs		
Sub-Total				
IV. Masonry Works				
6" CHB	1,972	pcs		
4" CHB	300	pcs		
Portland Cement type 1	205	bags		
Washed Sand	16	cum		
10mmØ x 6.0m Rebars	86	pcs		
GI Tie Wire #16	9	kgs		
V. Form Works				
Steel scaffoldings (rental)	120	sqm		
1/2" thk marine plywood	40	pcs		
Form lumber coco	1,500	bdft		

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**Construction of One (1) Unit Supply Building
 (QMS) for 155mm SP Howitzer Facilities at
 HAAR, PA Page (29/94)**

BILL OF QUANTITIES

**Construction of Operational Facilities of 155mm SP Howitzer for HAAR, PA at Fort
 Magsaysay, Nueva Ecija (1 Lot)
 Bid Ref. No. ENG'G PABAC3 018-23
 Approved Budget Contract: PhP47,065,619.00**

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Description	Qty	Unit	P/Unit	Amount
CW nails assorted	12	kgs		
Concrete Nails	5	kgs		
Sub-Total				
VI. Steel/Metal Works				
a. Roof Framing - T1, Truss Girts				
2L - 2"x2"x1/4" thk angle bar top chord and bottom chord trusses, 1 - 1/2"x1" 1/2x1/4" thk angle bar web members, 2L- 2"x2"x1/4" thk angle bar half trusses HT-1 and HT-2, 2"x4"x1.50mm C-purlins, 10mmØ plain bar sag rod, 2-12mmØx250mmx50mm L-shape anchor bolt with nuts and washer and 100mm x250mm x 12mm base plate 1"x1"x3/16" thk angle frame (facia) to include welding rods, red oxide paint, brush and other hardware with complete accessories	181	sqm		
1/2" thk x 12" x 8' hardifascia	25	pcs		

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**Construction of One (1) Unit Supply Building
(QMS) for 155mm SP Howitzer Facilities at
HAAR, PA Page (30/94)**

BILL OF QUANTITIES

**Construction of Operational Facilities of 155mm SP Howitzer for HAAR, PA at Fort
Magsaysay, Nueva Ecija (1 Lot)
Bid Ref. No. ENG'G PABAC3 018-23
Approved Budget Contract: PhP47,065,619.00**

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Description	Qty	Unit	P/Unit	Amount
b. Roofing				
0.50mm thk pre-painted long span - rib type, pre-painted ridge roll, valley roll, end flashing to include tex screw, blind rivets and other hardware with complete accessories	181	sqm		
Touch up paint	2	gals		
Roof sealant	15	tubes		
Paint brush 2"	5	pcs		
c. Steel Louver and Steel Railings				
Steel roof louver (see detail plan)	2	sets		
Sub-Total				
VII. Ceiling Works				
1/4" thk ficem board	65	pcs		
19mm x 50mm x 0.60mm metal furring x 5mtrs	225	pcs		
12mm x 38mm x 0.80mm thk carrying channel x 5mtrs	75	pcs		
25mm x 25mm 0.5mm thk wall angle x 5mtrs	25	pcs		

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**Construction of One (1) Unit Supply Building
(QMS) for 155mm SP Howitzer Facilities at
HAAR, PA Page (31/94)**

BILL OF QUANTITIES

**Construction of Operational Facilities of 155mm SP Howitzer for HAAR, PA at Fort
Magsaysay, Nueva Ecija (1 Lot)
Bid Ref. No. ENG'G PABAC3 018-23
Approved Budget Contract: PhP47,065,619.00**

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Description	Qty	Unit	P/Unit	Amount
W-clip	450	pcs		
Blind rivets (500 pc/box)	18	bxs		
Concrete nails 1"	3	kgs		
Sub-Total				
VIII. Doors and Windows				
D1 – 0.80 x 2.10m flush door (mame plywood both sides) and jamb with complete hardware accessories (see detail plan)	8	sets		
D2 – 0.70 x 2.10m flush door and door jamb with complete hardware accessories (see detail plan)	1	set		
W1 – 1.20m x 0.50 mtrs awning window on aluminum frame powder coated white color with 6mm thk	9	sets		

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**Construction of One (1) Unit Supply Building
(QMS) for 155mm SP Howitzer Facilities at
HAAR, PA Page (32/94)**

BILL OF QUANTITIES

**Construction of Operational Facilities of 155mm SP Howitzer for HAAR, PA at Fort
Magsaysay, Nueva Ecija (1 Lot)
Bid Ref. No. ENG'G PABAC3 018-23
Approved Budget Contract: PhP47,065,619.00**

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Description	Qty	Unit	P/Unit	Amount
W2 – 0.50 x 0.50m awning window on aluminum frame powder coated white color with 6mm thk clear glass with complete hardware and accessories	1	set		
Sub-Total				
IX. Plumbing Works				
Water closet with complete fitting/accessories	1	set		
Wallhang lavatory with complete fitting	1	set		
Lavatory faucet	1	pc		
P-trap	1	pc		
1/2" gate valve	1	pc		
4"x4" floor drain SS	1	pc		
12mm faucet	2	pcs		
Mirror on aluminum frame (1.0 x 0.80m)	1	set		
Water Line				
1/2"Ø PPR pipes and fittings	1	lot		
Waste Line				

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**Construction of One (1) Unit Supply Building
(QMS) for 155mm SP Howitzer Facilities at
HAAR, PA Page (33/94)**

BILL OF QUANTITIES

**Construction of Operational Facilities of 155mm SP Howitzer for HAAR, PA at Fort
Magsaysay, Nueva Ecija (1 Lot)
Bid Ref. No. ENG'G PABAC3 018-23
Approved Budget Contract: PhP47,065,619.00**

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Description	Qty	Unit	P/Unit	Amount
2"Ø x 3.0m PVC Pipe	3	pcs		
3"Ø x 3.0m PVC Pipe	3	pcs		
4"Ø x 3.0m PVC Pipe	5	pcs		
2"Ø PVC elbows	5	pcs		
2"Ø PVC tee	5	pcs		
3"Ø PVC elbows	5	pcs		
3"Ø PVC tee	5	pcs		
4"Ø PVC elbows	5	pcs		
4"ØmmØ PVC tee	5	pcs		
4"Ø PVC reducer	5	pcs		
Septic vault (1) – 2.70 x 1.50 x 1.70mtrs	1	unit		
Sub-Total				
X. Painting Works				
Skim coat (white)	46	bags		
Latex paint semi gloss	10	tins		
Wood putty	3	gals		
Flatwall enamel paint	6	tins		

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**Construction of One (1) Unit Supply Building
(QMS) for 155mm SP Howitzer Facilities at
HAAR, PA Page (34/94)**

BILL OF QUANTITIES

**Construction of Operational Facilities of 155mm SP Howitzer for HAAR, PA at Fort
Magsaysay, Nueva Ecija (1 Lot)
Bid Ref. No. ENG'G PABAC3 018-23
Approved Budget Contract: PhP47,065,619.00**

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Description	Qty	Unit	P/Unit	Amount
FWE semi gloss paint	4	tins		
Acri color	6	pints		
Tinting color	6	pints		
Roller brush with tray	6	sets		
QDE paint	2	tins		
Paint thinner	8	gals		
Paint brush	6	pcs		
Sand paper	10	pcs		
Rugs	10	kgs		

Sub-Total

XI. Electrical Works

a. Lighting & Fixtures

LED Panel Light 5"Ø 15W, Recessed type, daylight

7

sets

LED Flood Light 50W, IP66, Weather Proof

5

sets

LED Emergency Light, 2-bulb

2

sets

Exhaust Fan, 30cm x 30cm, ceiling type

1

set

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**Construction of One (1) Unit Supply Building
(Oils and Lubs) for 155mm SP Howitzer Facilities
at HAAR, PA Page (35/94)**

BILL OF QUANTITIES

**Construction of Operational Facilities of 155mm SP Howitzer for HAAR, PA at Fort
Magsaysay, Nueva Ecija (1 Lot)
Bid Ref. No. ENG'G PABAC3 018-23
Approved Budget Contract: PhP47,065,619.00**

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Description	Qty	Unit	P/Unit	Amount
Wires & Cables				
2.0mm ² THHN wire	1	bx		
3.5mm ² THHN wire	3	bx		
8.0mm ² THHN wire	20	mtrs		
Coaxial cable wire RG6 with connectors	30	mtrs		
Telephone jacketed wire Cat5e with connectors	30	mtrs		
c. Pipes & Conduits				
20mmØ uPVC pipe	75	pcs		
20mmØ uPVC long elbow	20	pcs		
20mmØ uPVC male adapter with locknut	40	pcs		
32mmØ uPVC pipe	3	pcs		
32mmØ uPVC adapter	4	pcs		
32mmØ uPVC long elbow	3	pcs		
d. Wiring Devices				
1-gang switch with plate and cover, flush type	4	sets		
2-gang switch with plate and cover, flush type	2	sets		

Notes:

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Name of Company (in print)

Signature of Company Authorized Representative

Designation (in print)

Date

PLEASE USE THIS BID FORM
DO NOT RETYPE or ALTER

**Construction of One (1) Unit Supply Building
(Oils and Lubs) for 155mm SP Howitzer Facilities
at HAAR, PA Page (36/94)**

BILL OF QUANTITIES

**Construction of Operational Facilities of 155mm SP Howitzer for HAAR, PA at Fort
Magsaysay, Nueva Ecija (1 Lot)
Bid Ref. No. ENG'G PABAC3 018-23
Approved Budget Contract: PhP47,065,619.00**

**INSTRUCTION TO THE BIDDER: Indicate cost per line item. DO NOT LEAVE ANY BLANK. INDICATE "0" IF ITEM
IS BEING OFFERED FOR FREE. "NO" ENTRY WILL NOT BE ACCEPTED. FAILURE TO CONFORM WILL RESULT
IN A RATING OF "FAILED"**

Description	Qty	Unit	P/Unit	Amount
Convenience Outlet, Duplex, with plate and cover	7	sets		
Convenience Outlet, Duplex, weather proof	1	set		
ACU outlet, 3-prong universal with plate and cover	1	set		
Telephone outlet with plate and cover	1	set		
Telephone terminal box	1	set		
Cable TV Outlet with plate and cover	1	set		
e. Electrical Devices				
Junction box PVC with cover 4"x4"x2"	20	sets		
Utility box PVC 4"x4"x2"	21	pcs		
Service entrance cap 32mmØ, Power	1	set		
Service entrance cap 32mmØ, Telephone and Wifi / CATV	2	sets		
Service entrance cap 32mmØ, Telephone local	1	set		
Electrical tape, big	4	pcs		

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Signature of Company Authorized Representative

Designation (in print)

Date

PLEASE USE THIS BID FORM
DO NOT RETYPE or ALTER

**Construction of One (1) Unit Supply Building
 (QMS) for 155mm SP Howitzer Facilities at
 HAAR, PA Page (37/94)**

BILL OF QUANTITIES

**Construction of Operational Facilities of 155mm SP Howitzer for HAAR, PA at Fort
 Magsaysay, Nueva Ecija (1 Lot)
 Bid Ref. No. ENG'G PABAC3 018-23
 Approved Budget Contract: PhP47,065,619.00**

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Description	Qty	Unit	P/Unit	Amount
GI Tie wire #16, 1kg	2	kgs		
PVC Solvent 400cc	4	cans		
Secondary rack, 2-spool	1	set		
f. Panel Board				
PB 40AT/50AF MCCB, 22kaic, single phase, Bolt-on type with 06-branches: with grounding busbar, NEMA 3R enclosure 06-20AT/50AF, 2P, miniature cb, Bolt-on type	1	set		
ECB 40AT/50AF MCCB, 22kaic, single phase, Bolt-on type with grounding busbar, NEMA 3R enclosure	1	set		
Ground rod 5/8"Ø x 3m with clamp, Power and Telephone/Wifi	2	sets		
Sub-Total				
Amenities (Complete Installation)				
3/4HP Air Conditioning Unit, Window type, Inverter, complete installation and accessories	1	unit		

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Designation (in print)

Date

PLEASE USE THIS BID FORM
DO NOT RETYPE or ALTER

**Construction of One (1) Unit Supply Building
 (QMS) for 155mm SP Howitzer Facilities at
 HAAR, PA Page (38/94)**

BILL OF QUANTITIES

**Construction of Operational Facilities of 155mm SP Howitzer for HAAR, PA at Fort
 Magsaysay, Nueva Ecija (1 Lot)
 Bid Ref. No. ENG'G PABAC3 018-23
 Approved Budget Contract: PhP47,065,619.00**

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Description	Qty	Unit	P/Unit	Amount
Telephone Corded Handset	1	set		
<i>Note: Telephone & Wifi Connection, Please Subscribe to PLDT (Free Telephone Corded Handset for Landline and Wifi Router).</i>				
Sub-Total				
XII. Fire Safety Requirements				
Fire Extinguisher ABC Dry Chemical, 10 Lbs.	3	sets		
Sub-Total				
XIII. Tiles				
60x60cm floor tiles (includes CR floor tiles)	360	pcs		
60x60cm wall tiles - CR	70	pcs		
Portland cement type 1	15	bags		
Washed sand	3	cum		
Tile Adhesive	2	bags		
Tile Grout – 2kgs/pack	3	pcks		
Cutting Disk	2	pcs		
Sub-Total				
Total				

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**Construction of One (1) Unit Supply Building
(QMS) for 155mm SP Howitzer Facilities at HAAR,
PA Page (39/94)**

BILL OF QUANTITIES

**Construction of Operational Facilities of 155mm SP Howitzer for HAAR, PA at Fort
Magsaysay, Nueva Ecija (1 Lot)
Bid Ref. No. ENG'G PABAC3 018-23
Approved Budget Contract: PhP47,065,619.00**

Description	Sub-total
III. Concrete Works	
IV. Masonry Works	
V. Form Works	
VI. Steel/Metal Works	
VII. Ceiling Works	
VIII. Doors and Windows	
IX. Plumbing Works	
X. Painting Works	
XI. Electrical Works	
XIII. Tiles	
Total Material Cost	
Labor	
I. General Requirements	
II. Earthworks (labor)	
XII. Fire Safety Requirements	
Amenities (ACU)	
E-VAT	
Overhead	
Miscellaneous	
Contractor's Profit	
Total	

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Date

PLEASE USE THIS BID FORM
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**Construction of One (1) Unit POL Dump for
155mm SP Howitzer Facilities at HAAR, PA Page
(40/94)**

BILL OF QUANTITIES

**Construction of Operational Facilities of 155mm SP Howitzer for HAAR, PA at Fort
Magsaysay, Nueva Ecija (1 Lot)
Bid Ref. No. ENG'G PABAC3 018-23
Approved Budget Contract: PhP47,065,619.00**

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Description	Qty	Unit	P/Unit	Amount
I. General Requirements/Preliminaries				
Mobilization/Demobilization	1	lot		
Contractor's Temporary Facilities the contractor shall provide and maintain temporary facility such as: portable water, light, telephone, aircon and toilet facility, temporary fence	1	lot		
Safety requirements for all safety requirements refer to DOLE occupational safety & health standards	1	lot		
Permits and licenses (building permits)	1	lot		
Sub-Total				
II. Site Development/Ground Works				
Demolition of all affected structures	1	lot		
Cutting/filling & compaction to attain elevation as per plan	124	cum		
Excavation works for ugts (6 units)	805	cum		

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**Construction of One (1) Unit POL Dump for
 155mm SP Howitzer Facilities at HAAR, PA
 Page (41/94)**

BILL OF QUANTITIES

**Construction of Operational Facilities of 155mm SP Howitzer for HAAR, PA at Fort
 Magsaysay, Nueva Ecija (1 Lot)
 Bid Ref. No. ENG'G PABAC3 018-23
 Approved Budget Contract: PhP47,065,619.00**

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Description	Qty	Unit	P/Unit	Amount
Driveway Concreting				
0.20m thick slab	165	sqm		
Construction of ramp & gutter	25	sqm		
Construction of of concrete washrack	1	lot		
Constn of air & water station (foundation)	1	lot		
Airline	10	lnm		
Waterline	50	lnm		
Perimeter Wall & Swing Gate				
Perimeter wall (3.0m high)	125	lnm		
Floodlights with post	6	units		
Swing gate (6 gate entrance)	4	units		
Sub-Total				
III. Construction of Office Building				
1. Concrete Works				
Portland cement	355	bags		
Washed sand	20	cum		
Crushed gravel	40	cum		

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**Construction of One (1) Unit POL Dump for
 155mm SP Howitzer Facilities at HAAR, PA
 Page (42/94)**

BILL OF QUANTITIES

**Construction of Operational Facilities of 155mm SP Howitzer for HAAR, PA at Fort
 Magsaysay, Nueva Ecija (1 Lot)
 Bid Ref. No. ENG'G PABAC3 018-23
 Approved Budget Contract: PhP47,065,619.00**

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Description	Qty	Unit	P/Unit	Amount
16mmØ x 6.0m Rebars	30	pcs		
12mmØ x 6.0m Rebars	110	pcs		
10mmØ x 6.0m Rebars	230	pcs		
GI Tie Wire #16	37	kgs		
2. Masonry Works				
6" CHB	1,400	pcs		
4"CHB	445	cps		
Porland cement	175	bags		
Washed sand	14	cum		
10mmØ x 6.0m rebars	75	pcs		
GI tie wire #16	8	kgs		
3. Form Works				
1/2" thk form plywood	15	pcs		
1/4" thk form plywood	15	pcs		
Form lumber (GL)	1,200	bdf		
CW nails	22	kgs		
Concrete nails	5	kgs		

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**Construction of One (1) Unit POL Dump for
 155mm SP Howitzer Facilities at HAAR, PA
 Page (43/94)**

BILL OF QUANTITIES

**Construction of Operational Facilities of 155mm SP Howitzer for HAAR, PA at Fort
 Magsaysay, Nueva Ecija (1 Lot)
 Bid Ref. No. ENG'G PABAC3 018-23
 Approved Budget Contract: PhP47,065,619.00**

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Description	Qty	Unit	P/Unit	Amount
4. Roofing Works				
2"x6"x2.0mm thk c-rafters 2"x2"x1/4" thk angle bars girts 1 1/2" x 1 1/2" x 1/4" thk angle bar V& D mem 2"x3"x1.50mm c-purlins, sag rods welding rods lead primer paint, paint brush & others with complete accessories	86	sqm		
0.40mm thk pre-painted long span GI roofing rib type, ridge roll, texscrews, rivets and others with complete accessories	86	sqm		
Touch up paint	1	gal		
Sealant (tube) with gun	8	tubes		
10mm thk single sided roof insulation	2	rolls		
1" x 1" wire mesh	86	lnm		
Sub-Total				
5. ceiling works				
1/4" thk hardiflex on metal furring with complete accessories to include rivets, hardinails and others	86	sqm		

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**Construction of One (1) Unit POL Dump for
 155mm SP Howitzer Facilities at HAAR, PA
 Page (44/94)**

BILL OF QUANTITIES

**Construction of Operational Facilities of 155mm SP Howitzer for HAAR, PA at Fort
 Magsaysay, Nueva Ecija (1 Lot)
 Bid Ref. No. ENG'G PABAC3 018-23
 Approved Budget Contract: PhP47,065,619.00**

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Description	Qty	Unit	P/Unit	Amount
6. Electrical Works (building and canopy)				
a. Lighting & Fixtures				
LED Panel Light 4.5"Ø 12W, Recessed Type	22	sets		
LED Light 100W WHS type, IP66, recessed type,	6	sets		
LED Fluorescent 1x18W, box surface type	2	sets		
LED Flood Light Perimeter 200W	6	sets		
CCTV Camera HD 2MP 1080P, Outdoor	4	sets		
LED Emergency Light, 2-Bulb	7	sets		
Exhaust Fan, Wall Type, 30cm x 30cm, Ceiling Type	2	sets		
b. Wires & Cables				
2.0mm ² THHN wire	5	bxs		
3.5mm ² THHN wire	10	bxs		
5.5mm ² THHN wire	2	bxs		
8.0mm ² THHN wire	50	mtrs		
22mm ² THHN wire	100	mtrs		

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**Construction of One (1) Unit POL Dump for
 155mm SP Howitzer Facilities at HAAR, PA
 Page (45/94)**

BILL OF QUANTITIES

**Construction of Operational Facilities of 155mm SP Howitzer for HAAR, PA at Fort
 Magsaysay, Nueva Ecija (1 Lot)
 Bid Ref. No. ENG'G PABAC3 018-23
 Approved Budget Contract: PhP47,065,619.00**

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Description	Qty	Unit	P/Unit	Amount
CCTV wire cat5e utp cable siamese with connectors	200	mtrs		
Coaxial Cable wire RG6 with connectors	30	mtrs		
Telephone Jacketed wire Cat5e with connectors	120	mtrs		
c. Pipes & Conduits				
20mmØ uPVC pipe	300	pcs		
20mmØ uPVC long elbow	100	pcs		
20mmØ uPVC male adapter w/ locknut	100	pcs		
32mmØ uPVC pipe	20	pcs		
32mmØ uPVC adapter	4	pcs		
32mmØ uPVC long elbow	2	pcs		
32mmØ IMC pipe	1	pc		
32mmØ IMC adapter	2	pcs		
Steel Pole 25 ft, Tapered 4"Ø bottom to 2"Ø top, with accessories, Schedule 1000	6	sets		

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**Construction of One (1) Unit POL Dump for
 155mm SP Howitzer Facilities at HAAR, PA**
Page (46/94)

BILL OF QUANTITIES

**Construction of Operational Facilities of 155mm SP Howitzer for HAAR, PA at Fort
 Magsaysay, Nueva Ecija (1 Lot)**
Bid Ref. No. ENG'G PABAC3 018-23
Approved Budget Contract: PhP47,065,619.00

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Description	Qty	Unit	P/Unit	Amount
d. Wiring Devices				
1-gang switch w/ plate & cover, flush type	2	sets		
2-gang switch w/ plate & cover, flush type	8	sets		
Convenience Outlet, Duplex, w/ plate & cover	5	sets		
Convenience Outlet, Duplex, w/ plate & cover, Weather Proof	14	sets		
Convenience Outlet, Duplex, w/ plate & cover, GFCI	12	sets		
Telephone Outlet, w/ plate & cover	2	sets		
Telephone Terminal Box	1	set		
Cable TV Outlet, w/ plate & cover	1	set		
e. Electrical Devices				
Junction Box PVC w/ cover 4"x4"x2"	31	sets		
Utility Box PVC 4"x2"x2"	53	pcs		
Service Entrance Cap 32mmØ, Power	1	set		
Service Entrance Cap 20mmØ, Tel. & Wifi / CATV	2	sets		

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Designation (in print)

Date

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**Construction of One (1) Unit POL Dump for
 155mm SP Howitzer Facilities at HAAR, PA
 Page (47/94)**

BILL OF QUANTITIES

**Construction of Operational Facilities of 155mm SP Howitzer for HAAR, PA at Fort
 Magsaysay, Nueva Ecija (1 Lot)
 Bid Ref. No. ENG'G PABAC3 018-23
 Approved Budget Contract: PhP47,065,619.00**

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Description	Qty	Unit	P/Unit	Amount
Service Entrance Cap 20mmØ, Tel. local	1	set		
Electrical Tape, big	12	pcs		
GI Tie wire #16, 25kl	3	sets		
PVC Solvent 400cc	12	cans		
Secondary Rack, 2-Spool	1	set		
g. Panel Boards				
PB/MTS 2x75AT/100AF MCCB, 22kaic, Single Phase, Bolt-On Type w/ 14-Branches: w/ Grounding Busbar, NEMA 3R Enclosure 07-20AT/50AF, 2P, Miniature cb, Bolt-on Type 03-30AT/50AF, 2P, Miniature cb, Bolt-on Type	1	set		
ECB 75AT/100AF MCCB, 22kaic, Single Phase, Bolt-On Type w/ Grounding Busbar, NEMA 3R Enclosure	1	set		
Ground Rod 5/8"Ø x 3m, w/ clamp, Power & Telephone/Wifi	2	sets		

Sub-Total

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**Construction of One (1) Unit POL Dump for
 155mm SP Howitzer Facilities at HAAR, PA
 Page (48/94)**

BILL OF QUANTITIES

**Construction of Operational Facilities of 155mm SP Howitzer for HAAR, PA at Fort
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Description	Qty	Unit	P/Unit	Amount
Amenities (Complete Installation)				
1.0HP Air Condition Unit, Split Type, Wall Mounted, Inverter, Remote Complete Installation with Accessories	1	unit		
Digital Video Recorder 16 channel hd	1	unit		
HDMI Cable 1meter	1	pc		
500W AVR	1	set		
2TB Hard Disk	1	unit		
32" Led TV Monitor	1	unit		
25KVA Standby Diesel Generator Set, Silent type, 220/230V, Single Phase, 60Hz, 0.8/1.0PF, 1800rpm, Water-Cooled, 4 stroke direct injection diesel engine, coupled to brushless ATS/MTS ready, alternator, and comes with complete	1	unit		
Telephone Corded Handset	2	sets		

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 155mm SP Howitzer Facilities at HAAR, PA
 Page (49/94)**

BILL OF QUANTITIES

**Construction of Operational Facilities of 155mm SP Howitzer for HAAR, PA at Fort
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Description	Qty	Unit	P/Unit	Amount
<i>Note: Telephone & Wifi Connection, Please Subscribe to PLDT (Free Telephone Corded Handset for Landline and Wifi Router)</i>				
Sub-Total				
7. Fire Safety Requirements				
Fire Extinguisher ABC Dry Chemical, 10 Lbs.	4	sets		
Sub-Total				
8. Plumbing Works				
Water closet with complete fittings/acc	2	sets		
Wallhang lavatory with complete fittings/acc	2	sets		
Lavatory faucets	2	pcs		
P-trap	2	pcs		
12mm flexible supply hose	2	pcs		
1/2" gate valve	2	pcs		
12mm faucet	4	pcs		
4"x4" floor drain SS	2	pcs		
Sub-Total				

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**Construction of One (1) Unit POL Dump for
 155mm SP Howitzer Facilities at HAAR, PA
 Page (50/94)**

BILL OF QUANTITIES

**Construction of Operational Facilities of 155mm SP Howitzer for HAAR, PA at Fort
 Magsaysay, Nueva Ecija (1 Lot)
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Description	Qty	Unit	P/Unit	Amount
9. Doors And Windows				
D1 - 0.70 x 2.10m flush door, marine plywood both sides on 2" x 6" door jamb, door lockset and with complete accessories	1	set		
D2 - 0.80 x 2.10m flush door, marine plywood both sides on 2" x 6" door jamb, door lockset and with complete accessories	3	sets		
D3 - 0.90 x 2.10m flush door, marine plywood both sides on 2" x 6" door jamb, door lockset and with complete accessories	1	set		
D4 - 1.0 x 2.10m panel door on 2" x 6" d jamb, door locks and others with complete accessories	1	set		
D5 - 1.60 x 2.10m double leaf swing out steel door with gate latches barrel bolt & surface bolt and ther with complete accessories	1	set		

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**Construction of One (1) Unit POL Dump for
 155mm SP Howitzer Facilities at HAAR, PA
 Page (51/94)**

BILL OF QUANTITIES

**Construction of Operational Facilities of 155mm SP Howitzer for HAAR, PA at Fort
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Description	Qty	Unit	P/Unit	Amount
D6 - 1.0 x 2.10m double leaf swing out louver steel door with gate latches barrel bolt and other with complete accessories	1	set		
W1 - 0.40 x 0.50m aluminum awning window frame powder coated white color with 6mm thk clear glass	2	sets		
W2 - 1.50 x 1.20m sliding window on aluminum frame powder coated white color with 6mm thk clear glass	4	sets		
Sub-Total				
10. tile works				
60cm x 60cm floor tiles	22	sqm		
60cm x 60 floor and wall tiles - CR	32	sqm		
Tile grout - (2kgs per pack)	12	packs		
Tile cutter	6	pcs		
Sub-Total				
11. Septic Tank				

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**Construction of One (1) Unit POL Dump for
 155mm SP Howitzer Facilities at HAAR, PA
 Page (52/94)**

BILL OF QUANTITIES

**Construction of Operational Facilities of 155mm SP Howitzer for HAAR, PA at Fort
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Description	Qty	Unit	P/Unit	Amount
Dimension = 3.25 x 1.20 x 2.0 mtrs				
Portland Cement	85	bags		
Washed Sand	6	sqm		
Crushed Gravel	3	sqm		
6" CHB	600	pcs		
10mmø X 6.0m Rebars	50	pcs		
Gi Tie Wire #16	5	kgs		
4" Ø X 3.0m PVC Clean Out With Plug	4	pcs		
100mmø X 3.0m PVC Pipe S-1000	2	pcs		
4"Ø Pvc Tee	4	pcs		
PVC Cement	2	pints		
1/4" thk Form Plywood	6	pcs		
2"x3"x10' Good Lumber	20	pcs		
CW Nails	6	kgs		
Sub-Total				
12. painting works				
Skim Coat (20 kgs) - White	20	bags		

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 Page (53/94)**

BILL OF QUANTITIES

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Description	Qty	Unit	P/Unit	Amount
Semi Gloss Latex	5	tins		
Flatwall Paint	4	tins		
Semi Gloss Flatwall Paint	2	tins		
Qde Paint	3	gals		
Wood Putty	2	gals		
Paint Thinner	6	gals		
Roller Brush with Tray 7"	6	sets		
Paint Brush 4"	5	pcs		
Paint Brush 2"	5	pcs		
Rugs	10	kgs		
Putty knife	3	pairs		
Sub-Total				
13. Earthworks				
Excavation	50	cum		
Backfill	100	cum		
Compaction	100	cum		
Sub-Total				

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 Page (54/94)**

BILL OF QUANTITIES

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Description	Qty	Unit	P/Unit	Amount
IV. Canopy Building - 500mm Fascia				
Painted Surface				
Footing & column with cladding	2	units		
Stainless column cladding	2	units		
Pump island	15	sqm		
Roof frames and beam	75	sqm		
Roofing	75	sqm		
Fascia frame	50	lnm		
Supply & installation of hardiflex ceiling (including metal furring & carrying channels)	75	sqm		
Nosing & sliding	20	lnm		
Installation of LED UCL	6	units		
Supply & installation of the following:				
Waste/water bins	1	set		
Bollards	4	sets		
Sub-Total				

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 Page (55/94)**

BILL OF QUANTITIES

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Description	Qty	Unit	P/Unit	Amount
V. Mechanical Works				
Underground Double Wall Fiberglass Tank				
10,000 gals DWFGT on concrete driveway (with butterfly valve box)	4	units		
8,000 gals DWFGT on concrete driveway (with butterfly valve box)	2	units		
Others				
1/8mm geotextile supply & installation	650	sqm		
8" tank farm concreting	300	sqm		
Dispensing Pump Installation & Commissioning				
DP installation on concrete driveway	2	units		
DP1 to office	25	lnm		
DP2 to office	25	lnm		
Additional Items				
Supply & installation of suction line (flexible pipe on paved driveway)	200	In m		

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**Construction of One (1) Unit POL Dump for
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Page (56/94)**

BILL OF QUANTITIES

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Description	Qty	Unit	P/Unit	Amount
Electrical Line Installation & POS Cabling				
DP1 to office	25	lnm		
DP2 to office	25	lnm		
Pick-Up Truck (max 4 DP's)				
Within 35kms from point of origin	1	trip		
Excess kilometer	900	kms		
10-Wheeler With Boom				
Within 35kms from point of origin	12	trips		
Excess kilometer	8000	kms		
Sub-Total				
VI. Signage and Painting Works				
Canopy painting works (facia AFP tri-color scheme, ceiling, column, apron and UGT valve boxes)	1	lot		
Office building painting works(facia AFP tri-color scheme, ceiling and wall)	1	lot		
Perimeter wall painting works	1	lot		

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Description	Qty	Unit	P/Unit	Amount
Supply & installation of AFP decals	1	lot		
Sub-Total				
VII. Major Equipment & Signage's (Petron Supplied Items)				
DWFGT Tanks				
10,000 USG DWFGT	4	units		
8,000 USG DWFGT	2	units		
Shipping cost (tank & appurtenance)				
Fill sump, cap adaptor & cover	6	sets		
PVC vents	6	units		
Testing & commissioning	1	lot		
DPs				
SDA 222210 (twin hose)	2	units		
Shipping cost				
Dispensing sump (fiber glass)	2	units		
Testing & commissioning	1	lot		
Others				

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 Page (58/94)**

BILL OF QUANTITIES

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Description	Qty	Unit	P/Unit	Amount
Under canopy	6	units		
2HP air compressor	1	unit		
Digital tire inflator	1	unit		
Sub-Total				
VIII. Sanitary Works				
supply & installation of manhole	1	unit		
supply & installation of oil & water separator	1	unit		
supply & installation of sewer, waste & vent lines	1	lot		
supply & installation of main water lines to storage water tank	1	lot		
Supply and Installation of Stainless Water Tank and Booster Pump with complete Waterlines to all Toilets, Canopy & AWS				
Best tank (1,200 gals)	1	unit		

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Name of Company (in print)

Signature of Company Authorized Representative

Designation (in print)

Date

PLEASE USE THIS BID FORM
DO NOT RETYPE or ALTER

**Construction of One (1) Unit POL Dump for
 155mm SP Howitzer Facilities at HAAR, PA
 Page (59/94)**

BILL OF QUANTITIES

**Construction of Operational Facilities of 155mm SP Howitzer for HAAR, PA at Fort
 Magsaysay, Nueva Ecija (1 Lot)
 Bid Ref. No. ENG'G PABAC3 018-23
 Approved Budget Contract: PhP47,065,619.00**

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Description	Qty	Unit	P/Unit	Amount
Booster pump (1.5 HP) with complete controllers & other equipment under plumbing works	1	unit		
Complete installation of water line using PPR pipe and other accessories	1	lot		
Testing for leakage of all water supply and distribution system, drains, waste, sewer and venting system	1	lot		
Testing and commissioning of the complete system	1	lot		
			Sub-Total	
			Total	

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**Construction of One (1) Unit POL Dump for
 155mm SP Howitzer Facilities at HAAR, PA
 Page (60/94)**

BILL OF QUANTITIES

**Construction of Operational Facilities of 155mm SP Howitzer for HAAR, PA at
 Fort Magsaysay, Nueva Ecija (1 Lot)
 Bid Ref. No. ENG'G PABAC3 018-23
 Approved Budget Contract: PhP47,065,619.00**

Description	Sub-total
I. General Requirements/Preliminaries	
II. Site Development/Ground Works	
III. Construction of Office Building	
IV. Canopy Building	
V. Mechanical Works	
VI. Signage and Painting Works	
VII. Major Equipment & Signage's (Petron Supplied Items)	
VIII. Sanitary Works	
Total Material Cost	
Labor	
E-VAT	
Overhead	
Miscellaneous	
Contractor's Profit	
Total	

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**Construction of One (1) Unit Parking
 (Ammunition Vehicles) for 155mm SP Howitzer
 Facilities at HAAR, PA Page (61/94)**

BILL OF QUANTITIES

**Construction of Operational Facilities of 155mm SP Howitzer for HAAR, PA at Fort
 Magsaysay, Nueva Ecija (1 Lot)
 Bid Ref. No. ENG'G PABAC3 018-23
 Approved Budget Contract: PhP47,065,619.00**

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Description	Qty	Unit	P/Unit	Amount
I. General Requirements				
Temporary Facilities	1	lot		
Permits and Licenses (building permits)	1	lot		
Sub-Total				
II. Earthworks				
a. Site clearing	81	sqm		
b. Embankment	16	cum		
c. Labor				
Excavation	15	sqm		
Backfill	30	sqm		
Compaction	30	sqm		
Sub-Total				
III. Concrete Works				
Portland cement	325	bags		
Washed sand	15	cum		
Crushed gravel	30	cum		
Gravel bedding	15	cum		

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**Construction of One (1) Unit Parking
 (Ammunition Vehicles) for 155mm SP Howitzer
 Facilities at HAAR, PA Page (62/94)**

BILL OF QUANTITIES

**Construction of Operational Facilities of 155mm SP Howitzer for HAAR, PA at Fort
 Magsaysay, Nueva Ecija (1 Lot)
 Bid Ref. No. ENG'G PABAC3 018-23
 Approved Budget Contract: PhP47,065,619.00**

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Description	Qty	Unit	P/Unit	Amount
16mmØ x 6.0 rebars	70	pcs		
12mmØ x 6.0 rebars	45	pcs		
10mmØ x 6.0 rebars	220	pcs		
GI tie wire #16	35	kgs		
Sub-Total				
IV. Masonry Works				
6" CHB	375	pcs		
Portland cement	15	bags		
Washed sand	3	cum		
10mmØ x 6.0m rebars	10	pcs		
GI tie wire #16	1	kg		
Sub-Total				
V. Form Works				
Steel scaffoldings (rental)	124	sqm		
1/2" thk marine plywood	15	pcs		
Form lumber coco	750	bdf		
CW nails assorted	5	kgs		

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**Construction of One (1) Unit Parking
 (Ammunition Vehicles) for 155mm SP Howitzer
 Facilities at HAAR, PA Page (63/94)**

BILL OF QUANTITIES

**Construction of Operational Facilities of 155mm SP Howitzer for HAAR, PA at Fort
 Magsaysay, Nueva Ecija (1 Lot)
 Bid Ref. No. ENG'G PABAC3 018-23
 Approved Budget Contract: PhP47,065,619.00**

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Description	Qty	Unit	P/Unit	Amount
Concrete nails	2	kgs		
Sub-Total				
VI. Steel/Metal Works				
a. Roof Framing - T1, Truss Girts				
2 - 2"x2"x1/4" thk angle bar truss and members 2 - 2"x2" x 1/4" thk angle bar truss girts and 2- 1 1/2" x 1 1/2"x 1/4" thk members 2"x4"x1.50mm C-purlins, 10mmØ plain bar sag rod, 12mmØ plain bar with turn buckle and 1"x1"x3/16" thk angle frame (facia) to include welding rods, red oxide paint, brush and other hardware with complete accessories	124	sqm		
1/2" thk x 12" x 8' hardifascia	20	pcs		
b. Roofing				
0.50mm thk pre-painted long span - rib type, pre-painted end	124	sqm		

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**Construction of One (1) Unit Parking
 (Ammunition Vehicles) for 155mm SP Howitzer
 Facilities at HAAR, PA Page (64/94)**

BILL OF QUANTITIES

**Construction of Operational Facilities of 155mm SP Howitzer for HAAR, PA at Fort
 Magsaysay, Nueva Ecija (1 Lot)
 Bid Ref. No. ENG'G PABAC3 018-23
 Approved Budget Contract: PhP47,065,619.00**

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Description	Qty	Unit	P/Unit	Amount
end flashing to include tex screw, blind rivets and other hardware with complete accessories				
Touch up paint	1	gal		
Roof sealant	5	tubes		
Paint brush 2"	2	pcs		
c. Steel Posts				
W6 x 15 d = 6" bf = 6" t = 1/4"	10	pcs		
300mm x 300mm x 16mm base plate with 6-116mmØ x 300mm anchor bolt with double nuts	10	sets		
Sub-Total				
VII. Painting Works				
Skim coat (white)	16	bags		
Latex paint semi gloss	4	tins		
Wood putty	2	gals		
Flatwall enamel paint	2	tins		

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**Construction of One (1) Unit Parking
 (Ammunition Vehicles) for 155mm SP Howitzer
 Facilities at HAAR, PA Page (65/94)**

BILL OF QUANTITIES

**Construction of Operational Facilities of 155mm SP Howitzer for HAAR, PA at Fort
 Magsaysay, Nueva Ecija (1 Lot)
 Bid Ref. No. ENG'G PABAC3 018-23
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Description	Qty	Unit	P/Unit	Amount
FWE semi gloss paint	2	tins		
Acri color	4	pints		
Tinting color	2	pints		
Roller brush with tray	4	sets		
QDE paint	1	tin		
Paint thinner	6	gals		
Paint brush	6	pcs		
Sand paper	6	pcs		
Rugs	4	kgs		
Sub-Total				
VIII. Electrical Works				
a. Lighting & Fixtures				
Led Flood Light 50W, weather proof	3	sets		
LED Emergency Light, 2-Bulb	1	set		
b. Wires & Cables				
2.0mm ² THHN wire	1	bx		
3.5mm ² THHN wire	2	bx		

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**Construction of One (1) Unit Parking
 (Ammunition Vehicles) for 155mm SP Howitzer
 Facilities at HAAR, PA Page (66/94)**

BILL OF QUANTITIES

**Construction of Operational Facilities of 155mm SP Howitzer for HAAR, PA at Fort
 Magsaysay, Nueva Ecija (1 Lot)
 Bid Ref. No. ENG'G PABAC3 018-23
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Description	Qty	Unit	P/Unit	Amount
8.0mm ² THHN wire	40	mtrs		
Telephone Jacketed wire Cat5e with connectors	30	mtrs		
c. Pipes & Conduits				
20mmØ uPVC pipe	50	pcs		
20mmØ uPVC long elbow	25	pcs		
20mmØ uPVC male adapter w/ locknut	25	pcs		
32mmØ uPVC pipe	2	pcs		
32mmØ uPVC adapter	2	pcs		
32mmØ uPVC long elbow	1	pc		
d. Wiring Devices				
3-gang switch with plate & cover, flush type	1	set		
Convenience Outlet, Duplex, with plate and cover, weather proof	7	sets		
Telephone Outlet, w/ plate & cover	1	set		
Telephone Terminal Box	1	set		
e. Electrical Devices				

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**Construction of One (1) Unit Parking
 (Ammunition Vehicles) for 155mm SP Howitzer
 Facilities at HAAR, PA Page (67/94)**

BILL OF QUANTITIES

**Construction of Operational Facilities of 155mm SP Howitzer for HAAR, PA at Fort
 Magsaysay, Nueva Ecija (1 Lot)
 Bid Ref. No. ENG'G PABAC3 018-23
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Description	Qty	Unit	P/Unit	Amount
Junction Box PVC w/ cover 4"x4"x2"	6	sets		
Utility Box PVC 4"x2"x2"	11	pcs		
Service Entrance Cap 32mmØ, Power	1	set		
Service Entrance Cap 32mmØ, Tel. Local	1	set		
Electrical Tape, big	2	pcs		
GI Tie wire #16, 1kl	2	set		
PVC Solvent 400cc	2	cans		
Secondary Rack, 2-Spool	1	set		
g. Panel Boards				
PB 40AT/50AF MCCB, 22kaic, Single Phase, Bolt-On Type with 04-Branche:s: w/ Grounding Busbar, NEMA 3R Enclosure 04-20AT/50AF, 2P, Miniature cb, Bolt-on Type	1	set		
Ground Rod 5/8"Ø x 3m, w/ clamp, Power & Telephone	2	sets		
			Sub-Total	

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**Construction of One (1) Unit Parking
 (Ammunition Vehicles) for 155mm SP Howitzer
 Facilities at HAAR, PA Page (68/94)**

BILL OF QUANTITIES

**Construction of Operational Facilities of 155mm SP Howitzer for HAAR, PA at Fort
 Magsaysay, Nueva Ecija (1 Lot)
 Bid Ref. No. ENG'G PABAC3 018-23
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Description	Qty	Unit	P/Unit	Amount
Amenities (Complete Installation)				
Telephone Corded Handset	1	set		
<i>Note: Telephone & Wifi Connection, Please Subscribe to PLDT (Free Telephone Corded Handset for Landline and Wifi Router)</i>				
Sub-Total				
IX. Fire Safety Requirements				
Fire Extinguisher ABC Dry Chemical, 10 Lbs.	1	set		
Sub-Total				
Total				

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**Construction of One (1) Unit Parking
 (Ammunition Vehicles) for 155mm SP Howitzer
 Facilities at HAAR, PA Page (69/94)**

BILL OF QUANTITIES

**Construction of Operational Facilities of 155mm SP Howitzer for HAAR, PA at
 Fort Magsaysay, Nueva Ecija (1 Lot)
 Bid Ref. No. ENG'G PABAC3 018-23
 Approved Budget Contract: PhP47,065,619.00**

Description	Sub-total
III. Concrete Works	
IV. Masonry Works	
V. Form Works	
VI. Steel/Metal Works	
VII. Painting Works	
VIII. Electrical Works	
Total Material Cost	
Labor	
I. General Requirements	
II. Earthworks	
IX. Fire Safety Requirements	
Amenities (Electrical)	
E-VAT	
Overhead	
Miscellaneous	
Contractor's Profit	
Total	

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Construction of One (1) Unit Parking (Fire Direction Center) for 155mm SP Howitzer Facilities at HAAR, PA Page (70/94)

BILL OF QUANTITIES

Construction of Operational Facilities of 155mm SP Howitzer Facilities for AAR, PA at Fort Magsaysay, Nueva Ecija (1 Lot)
Bid Ref. No. ENG'G PABAC3 018-23
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Description	Qty	Unit	P/Unit	Amount
I. General Requirements				
Temporary Facilities	1	lot		
Permits and Licenses (building permits)	1	lot		
Sub-Total				
II. Earthworks				
a. Site clearing	81	sqm		
b. Embankment	16	cum		
c. Labor				
Excavation	15	sqm		
Backfill	30	sqm		
Compaction	30	sqm		
Sub-Total				
III. Concrete Works				
Portland cement	325	bags		
Washed sand	15	cum		
Crushed gravel	30	cum		
Gravel bedding	15	cum		

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Name of Company (in print)

Signature of Company Authorized Representative

Designation (in print)

Date

PLEASE USE THIS BID FORM
DO NOT RETYPE or ALTER

Construction of One (1) Unit Parking (Fire Direction Center) for 155mm SP Howitzer Facilities at HAAR, PA Page (71/94)

BILL OF QUANTITIES

Construction of Operational Facilities of 155mm SP Howitzer Facilities for AAR, PA at Fort Magsaysay, Nueva Ecija (1 Lot)
Bid Ref. No. ENG'G PABAC3 018-23
Approved Budget Contract: PhP47,065,619.00

INSTRUCTION TO THE BIDDER: Indicate cost per line item. DO NOT LEAVE ANY BLANK. INDICATE "0" IF ITEM IS BEING OFFERED FOR FREE. "NO" ENTRY WILL NOT BE ACCEPTED. FAILURE TO CONFORM WILL RESULT IN A RATING OF "FAILED"

Description	Qty	Unit	P/Unit	Amount
16mmØ x 6.0 rebars	70	pcs		
12mmØ x 6.0 rebars	45	pcs		
10mmØ x 6.0 rebars	220	pcs		
GI tie wire #16	35	kgs		
Sub-Total				
IV. Masonry Works				
6" CHB	375	pcs		
Portland cement	15	bags		
Washed sand	3	cum		
10mmØ x 6.0m rebars	10	pcs		
GI tie wire #16	1	kg		
Sub-Total				
V. Form Works				
Steel scaffoldings (rental)	124	sqm		
1/2" thk marine plywood	15	pcs		
Form lumber coco	750	bdf		
CW nails assorted	5	kgs		

Notes:

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Construction of One (1) Unit Parking (Fire Direction Center) for 155mm SP Howitzer Facilities at HAAR, PA Page (72/94)

BILL OF QUANTITIES

Construction of Operational Facilities of 155mm SP Howitzer Facilities for AAR, PA at Fort Magsaysay, Nueva Ecija (1 Lot)
Bid Ref. No. ENG'G PABAC3 018-23
Approved Budget Contract: PhP47,065,619.00

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Description	Qty	Unit	P/Unit	Amount
Concrete nails	2	kgs		
Sub-Total				
VI. Steel/Metal Works				
a. Roof Framing - T1, Truss Girts				
2 - 2"x2"x1/4" thk angle bar truss and members 2 - 2"x2" x 1/4" thk angle bar truss girts and 2- 1 1/2" x 1 1/2"x 1/4" thk members 2"x4"x1.50mm C-purlins, 10mmØ plain bar sag rod, 12mmØ plain bar with turn buckle and 1"x1"x3/16" thk angle frame (facia) to include welding rods, red oxide paint, brush and other hardware with complete accessories	124	sqm		
1/2" thk x 12" x 8' hardifascia	20	pcs		
b. Roofing				
0.50mm thk pre-painted long span - rib type, pre-painted end	124	sqm		

Notes:

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Construction of One (1) Unit Parking (Fire Direction Center) for 155mm SP Howitzer Facilities at HAAR, PA Page (73/94)

BILL OF QUANTITIES

Construction of Operational Facilities of 155mm SP Howitzer Facilities for AAR, PA at Fort Magsaysay, Nueva Ecija (1 Lot)
Bid Ref. No. ENG'G PABAC3 018-23
Approved Budget Contract: PhP47,065,619.00

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Description	Qty	Unit	P/Unit	Amount
end flashing to include tex screw, blind rivets and other hardware with complete accessories				
Touch up paint	1	gal		
Roof sealant	5	tubes		
Paint brush 2"	2	pcs		
c. Steel Posts				
W6 x 15 d = 6" bf = 6" t = 1/4"	10	pcs		
300mm x 300mm x 16mm base plate with 6-116mmØ x 300mm anchor bolt with double nuts	10	sets		
Sub-Total				
VII. Painting Works				
Skim coat (white)	16	bags		
Latex paint semi gloss	4	tins		
Wood putty	2	gals		
Flatwall enamel paint	2	tins		

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Construction of One (1) Unit Parking (Fire Direction Center) for 155mm SP Howitzer Facilities at HAAR, PA Page (74/94)

BILL OF QUANTITIES

Construction of Operational Facilities of 155mm SP Howitzer Facilities for AAR, PA at Fort Magsaysay, Nueva Ecija (1 Lot)
Bid Ref. No. ENG'G PABAC3 018-23
Approved Budget Contract: PhP47,065,619.00

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Description	Qty	Unit	P/Unit	Amount
FWE semi gloss paint	2	tins		
Acri color	4	pints		
Tinting color	2	pints		
Roller brush with tray	4	sets		
QDE paint	1	tin		
Paint thinner	6	gals		
Paint brush	6	pcs		
Sand paper	6	pcs		
Rugs	4	kgs		
Sub-Total				
VIII. Electrical Works				
a. Lighting & Fixtures				
Led Flood Light 50W, weather proof	3	sets		
LED Emergency Light, 2-Bulb	1	set		
b. Wires & Cables				
2.0mm ² THHN wire	1	bx		
3.5mm ² THHN wire	2	bx		

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Construction of One (1) Unit Parking (Fire Direction Center) for 155mm SP Howitzer Facilities at HAAR, PA Page (75/94)

BILL OF QUANTITIES

Construction of Operational Facilities of 155mm SP Howitzer Facilities for AAR, PA at Fort Magsaysay, Nueva Ecija (1 Lot)
Bid Ref. No. ENG'G PABAC3 018-23
Approved Budget Contract: PhP47,065,619.00

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Description	Qty	Unit	P/Unit	Amount
8.0mm ² THHN wire	40	mtrs		
Telephone Jacketed wire Cat5e with connectors	30	mtrs		
c. Pipes & Conduits				
20mmØ uPVC pipe	50	pcs		
20mmØ uPVC long elbow	25	pcs		
20mmØ uPVC male adapter w/ locknut	25	pcs		
32mmØ uPVC pipe	2	pcs		
32mmØ uPVC adapter	2	pcs		
32mmØ uPVC long elbow	1	pc		
d. Wiring Devices				
3-gang switch with plate & cover, flush type	1	set		
Convenience Outlet, Duplex, with plate and cover, weather proof	7	sets		
Telephone Outlet, w/ plate & cover	1	set		
Telephone Terminal Box	1	set		
e. Electrical Devices				

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Construction of One (1) Unit Parking (Fire Direction Center) for 155mm SP Howitzer Facilities at HAAR, PA Page (76/94)

BILL OF QUANTITIES

Construction of Operational Facilities of 155mm SP Howitzer Facilities for AAR, PA at Fort Magsaysay, Nueva Ecija (1 Lot)
Bid Ref. No. ENG'G PABAC3 018-23
Approved Budget Contract: PhP47,065,619.00

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Description	Qty	Unit	P/Unit	Amount
Junction Box PVC w/ cover 4"x4"x2"	6	sets		
Utility Box PVC 4"x2"x2"	11	pcs		
Service Entrance Cap 32mmØ, Power	1	set		
Service Entrance Cap 32mmØ, Tel. Local	1	set		
Electrical Tape, big	2	pcs		
GI Tie wire #16, 1kl	2	set		
PVC Solvent 400cc	2	cans		
Secondary Rack, 2-Spool	1	set		
g. Panel Boards				
PB 40AT/50AF MCCB, 22kaic, Single Phase, Bolt-On Type with 04-Branche: w/ Grounding Busbar, NEMA 3R Enclosure 04-20AT/50AF, 2P, Miniature cb, Bolt-on Type	1	set		
Ground Rod 5/8"Ø x 3m, w/ clamp, Power & Telephone	2	sets		
Sub-Total				

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Construction of One (1) Unit Parking (Fire Direction Center) for 155mm SP Howitzer Facilities at HAAR, PA Page (77/94)

BILL OF QUANTITIES

Construction of Operational Facilities of 155mm SP Howitzer Facilities for AAR, PA at Fort Magsaysay, Nueva Ecija (1 Lot)
Bid Ref. No. ENG'G PABAC3 018-23
Approved Budget Contract: PhP47,065,619.00

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Description	Qty	Unit	P/Unit	Amount
Amenities (Complete Installation)				
Telephone Corded Handset	1	set		
<i>Note: Telephone & Wifi Connection, Please Subscribe to PLDT (Free Telephone Corded Handset for Landline and Wifi Router)</i>				
Sub-Total				
IX. Fire Safety Requirements				
Fire Extinguisher ABC Dry Chemical, 10 Lbs.	1	set		
Sub-Total				
Total				

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Construction of One (1) Unit Parking (Fire Direction Center) for 155mm SP Howitzer Facilities at HAAR, PA Page (78/94)

BILL OF QUANTITIES

Construction of Operational Facilities of 155mm SP Howitzer Facilities for AAR, PA at Fort Magsaysay, Nueva Ecija (1 Lot)
Bid Ref. No. ENG'G PABAC3 018-23
Approved Budget Contract: PhP47,065,619.00

Description	Sub-total
III. Concrete Works	
IV. Masonry Works	
V. Form Works	
VI. Steel/Metal Works	
VII. Painting Works	
VIII. Electrical Works	
Total Material Cost	
Labor	
I. General Requirements	
II. Earthworks	
IX. Fire Safety Requirements	
Amenities (Complete Installation)	
E-VAT	
Overhead	
Miscellaneous	
Contractor's Profit	
Total	

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PLEASE USE THIS BID FORM
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**Construction of One (1) Unit Simulation Building
 for 155mm SP Howitzer Facilities at HAAR, PA
 Page (79/94)**

BILL OF QUANTITIES

**Construction of Operational Facilities of 155mm SP Howitzer for HAAR, PA at Fort
 Magsaysay, Nueva Ecija (1 Lot)
 Bid Ref. No. ENG'G PABAC3 018-23
 Approved Budget Contract: PhP47,065,619.00**

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Description	Qty	Unit	P/Unit	Amount
I. General Requirements				
Temporary Facilities	1	lot		
Permits and Licenses (Processing of Building Permits)	1	lot		
Sub-Total				
II. Earthworks				
a. Site Clearing	150	sqm		
b. Materials (embankment)	100	cum		
c. Labor				
Excavation	80	sqm		
Backfill	160	sqm		
Compaction	160	sqm		
Sub-Total				
III. Concrete Works				
Ready mixed concrete - 3,000 psi	85	cum		
Pumpcrete	1	shtg		

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**Construction of One (1) Unit Simulation Building
 for 155mm SP Howitzer Facilities at HAAR, PA
 Page (80/94)**

BILL OF QUANTITIES

**Construction of Operational Facilities of 155mm SP Howitzer for HAAR, PA at Fort
 Magsaysay, Nueva Ecija (1 Lot)
 Bid Ref. No. ENG'G PABAC3 018-23
 Approved Budget Contract: PhP47,065,619.00**

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Description	Qty	Unit	P/Unit	Amount
Gravel bedding	40	cum		
16mmØ x 6.0 rebars	205	pcs		
12mmØ x 6.0 rebars	147	pcs		
10mmØ x 6.0 rebars	625	pcs		
GI tie wire #16 (15kgs/roll)	7	rolls		
Sub-Total				
IV. Masonry Works				
6" CHB	3,680	pcs		
4" CHB	3,539	pcs		
Portland cement type 1	688	bags		
Washed sand	53	cum		
10mmØ x 6.0m rebars	284	pcs		
GI tie wire #16	28	kgs		
Stone cladding	8	sqm		
Sub-Total				
V. Form Works				
Steel scaffoldings (rental)	365	sqm		

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**Construction of One (1) Unit Simulation Building
 for 155mm SP Howitzer Facilities at HAAR, PA
 Page (81/94)**

BILL OF QUANTITIES

**Construction of Operational Facilities of 155mm SP Howitzer for HAAR, PA at Fort
 Magsaysay, Nueva Ecija (1 Lot)
 Bid Ref. No. ENG'G PABAC3 018-23
 Approved Budget Contract: PhP47,065,619.00**

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Description	Qty	Unit	P/Unit	Amount
1/2" thk marine plywood	45	pcs		
Form lumber coco	2,500	bdf		
CW nails asstd	25	kgs		
Concrete nails	5	kgs		

Sub-Total

VI. Steel/Metal Works

a. roof framing T1 to T6, Steel Girts, and C-purlins

2 - 2"x2"x1/4" thk angle bar top chord and bottom chord trusses, 2 - 1 1/2"x1 1/2"x1/4" thk angle bar web members 2 - 2"x2"x1/4" thk angle bar steel girt and 2 - 1 1/2"x1 1/2"x1/4"thk web members 2"x3"x1.50mm C-purlins, 10mmØ plain bar sag rod 1"x1"x3/16" thk angle frame (facia) to include welding rods, 12mmØ x 250mm x 50mm L-shape anchor bolt with nuts & washer, 200mm x 250mm x 12mm base plate 1"x1"x3/16"thk angle bar (facia) red oxide paint, brush and other hardware with complete accessories

510

sqm

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**Construction of One (1) Unit Simulation Building
 for 155mm SP Howitzer Facilities at HAAR, PA
 Page (82/94)**

BILL OF QUANTITIES

**Construction of Operational Facilities of 155mm SP Howitzer for HAAR, PA at Fort
 Magsaysay, Nueva Ecija (1 Lot)
 Bid Ref. No. ENG'G PABAC3 018-23
 Approved Budget Contract: PhP47,065,619.00**

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Description	Qty	Unit	P/Unit	Amount
1/2" thk x 12" x 8' hardi facia	45	pcs		
b. Roofing				
0.50mm thk pre-painted long span - rib type, pre-painted ridge roll, valley roll, end flashing to include tex screw, blind rivets and other hardware with complete accessories	510	sqm		
Touch up paint	2	gals		
Roof sealant	15	tubes		
Paint brush 2"	6	pcs		
Sub-Total				
VII. Ceiling Works				
1/4" thk ficem board	180	pcs		
19mm x 50mm x 0.60mm metal furring x 5mtrs	540	pcs		
12mm x 38mm x 0.80mm thk carrying channel x 5.0mtrs	180	pcs		
25mm x 25mm x 0.5mm thk wall angle x 5.0mtrs	50	pcs		
W-clip	1,100	pcs		

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Name of Company (in print)

Signature of Company Authorized Representative

Designation (in print)

Date

PLEASE USE THIS BID FORM
DO NOT RETYPE or ALTER

**Construction of One (1) Unit Simulation Building
 for 155mm SP Howitzer Facilities at HAAR, PA
 Page (83/94)**

BILL OF QUANTITIES

**Construction of Operational Facilities of 155mm SP Howitzer for HAAR, PA at Fort
 Magsaysay, Nueva Ecija (1 Lot)
 Bid Ref. No. ENG'G PABAC3 018-23
 Approved Budget Contract: PhP47,065,619.00**

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Description	Qty	Unit	P/Unit	Amount
Blind rivets	39	bxs		
Concrete nails 1"	6	kgs		
Sub-Total				
VIII. Doors & Windows				
D1 - 0.80 x 2.10m flush door with design swing type on 2"x6" door jamb with complete hardware and accessories	1	set		
D2 - 1.00 x 2.10m panel door with cylindrical lockset complete with 3" LP hinge er leaf and wood jambs & other hardware and accessories	1	set		
D3 - 1.00 x 2.10m steel door fire rated 1Hr with complete emergency lockset and accessories, steel door jamb and other hardware and accessories	1	set		
D4 - 1.70 x 2.10m double leaf glass door with 6mm thk clear glass, handle set & deadbolt lockset complete with 3" LP hinge per leaf, wood jamb and other hardware & accessories	2	sets		

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**Construction of One (1) Unit Simulation Building
 for 155mm SP Howitzer Facilities at HAAR, PA
 Page (84/94)**

BILL OF QUANTITIES

**Construction of Operational Facilities of 155mm SP Howitzer for HAAR, PA at Fort
 Magsaysay, Nueva Ecija (1 Lot)
 Bid Ref. No. ENG'G PABAC3 018-23
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Description	Qty	Unit	P/Unit	Amount
W1 - 2.0 x 2.30m awning window & fixed glass with 6mm thk clear glass on aluminum frame powder coated white color and other hardware & accessories	7	sets		
W2 - 1.00 x 1.20m sliding window on aluminum frame powder coated white color with 6mmthk clear glass complete with hardware & accessories	1	set		
W3 - 0.80 x 0.90m awning window on nalok frame with 6mm thk clear glass with complete hardware & accessories	1	set		
W4 - 0.60 x 0.60m awning window with 6mm thk clear glass on aluminum frame powder coated white color and other hardware & accessories	1	set		
Sub-Total				

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**Construction of One (1) Unit Simulation Building
 for 155mm SP Howitzer Facilities at HAAR, PA
 Page (85/94)**

BILL OF QUANTITIES

**Construction of Operational Facilities of 155mm SP Howitzer for HAAR, PA at Fort
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 Bid Ref. No. ENG'G PABAC3 018-23
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Description	Qty	Unit	P/Unit	Amount
IX. Plumbing Works				
Water closet with complete fittings/acc	5	sets		
Wallhang lavatory with complete fittings	5	sets		
Urinal bowl with complete fittings	5	sets		
Kitchen sink-stainless with faucet & complete fittings	1	set		
Lavatory faucets	5	pcs		
P-trap	10	pcs		
1/2" gate valve	6	pcs		
4"x4" floor drain SS	5	pcs		
12mm faucet	5	pcs		
Mirror on aluminum frame (2.00 x 0.80 mtrs)	2	sets		
Mirror on aluminum frame (1 x 0.80m)	1	set		
Water Line				
1/2"Ø PPR pipes and fittings	1	lot		
Waste Line				
2"Ø x 3.0m PVC pipe	12	pcs		

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**Construction of One (1) Unit Simulation Building
 for 155mm SP Howitzer Facilities at HAAR, PA
 Page (86/94)**

BILL OF QUANTITIES

**Construction of Operational Facilities of 155mm SP Howitzer for HAAR, PA at Fort
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 Bid Ref. No. ENG'G PABAC3 018-23
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Description	Qty	Unit	P/Unit	Amount
3"Ø x 3.0m PVC pipe	12	pcs		
4"Ø x 3.0m PVC pipe	12	pcs		
2"Ø PVC Elbows	6	pcs		
2"Ø PVC Tee	6	pcs		
3"Ø PVC Elbows	6	pcs		
3"Ø PVC Tee	6	pcs		
4"Ø PVC Elbows	6	pcs		
4"ØmmØ PVC Tee	6	pcs		
4"Ø PVC Reducer	6	pcs		
PVC cement neltex	1	can		
Toilet partition with door (customized phenolic board color light gray with nylon black acc - ht=2.0m	10	sqm		
Urinal partition (customized phenolic board color light gray with nylon black access. (see detailed plans)	6	sets		
Catch basin (0.60 x 0.60 x 1.00mtr)	7	units		
Septic vault (1) - 4.60 x 1.40 x 1.85mtrs	1	unit		

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 for 155mm SP Howitzer Facilities at HAAR, PA
 Page (87/94)**

BILL OF QUANTITIES

**Construction of Operational Facilities of 155mm SP Howitzer for HAAR, PA at Fort
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Description	Qty	Unit	P/Unit	Amount
Sub-Total				
X. Painting Works				
Skim coat paste (ready mix - 25kgs/pail))	10	pails		
Latex paint semi gloss	12	tins		
Wood putty	3	gals		
Flatwall enamel paint	13	tins		
Fwe semi gloss paint	7	tins		
Acri color	10	pints		
Tinting color	10	pints		
Roller brush with tray	6	sets		
QDE paint	2	tins		
Paint thinner	10	gals		
Paint brush	6	pcs		
Sand paper	15	pcs		
Rugs	12	kgs		
Sub-Total				
XI. Electrical Works				

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 Page (88/94)**

BILL OF QUANTITIES

**Construction of Operational Facilities of 155mm SP Howitzer for HAAR, PA at Fort
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Description	Qty	Unit	P/Unit	Amount
a. Lighting & Fixtures				
LED Panel Light 4.5"Ø 12W, Recessed Type	100	sets		
LED Panel Light 60x60cm, 40W, Recessed Type	12	sets		
LED Emergency Light, 2-Bulb	4	sets		
Hand Dryer	2	sets		
Exhaust Fan, Wall Type, 30cm x 30cm, Ceiling Type	8	sets		
b. Wires & Cables				
2.0mm ² THHN wire	4	bxs		
3.5mm ² THHN wire	17	bxs		
5.5mm ² THHN wire	5	bxs		
22mm ² THHN wire	30	mtrs		
60mm ² THHN wire	60	mtrs		
Coaxial Cable wire RG6 w/ connectors	60	mtrs		
Telephone Jacketed wire Cat5e w/ connectors, 305mts	3	bxs		

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**Construction of One (1) Unit Simulation Building
 for 155mm SP Howitzer Facilities at HAAR, PA
 Page (89/94)**

BILL OF QUANTITIES

**Construction of Operational Facilities of 155mm SP Howitzer for HAAR, PA at Fort
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 Bid Ref. No. ENG'G PABAC3 018-23
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Description	Qty	Unit	P/Unit	Amount
c. Pipes & Conduits				
20mmØ uPVC pipe	500	pcs		
20mmØ uPVC long elbow	200	pcs		
20mmØ uPVC male adapter w/ locknut	200	pcs		
32mmØ uPVC pipe	5	pcs		
32mmØ uPVC adapter	4	pcs		
32mmØ uPVC long elbow	2	pcs		
50mmØ uPVC pipe	10	pcs		
50mmØ uPVC adapter	4	pcs		
50mmØ uPVC long elbow	2	pvs		
50mmØ IMC pipe	1	pc		
50mmØ IMC adapter	2	pcs		
d. Wiring Devices				
1-gang switch w/ plate & cover, flush type	1	set		
2-gang switch w/ plate & cover, flush type	4	sets		
3-gang switch w/ plate & cover, flush type	3	sets		
Convenience Outlet, Duplex, w/ plate & cover	34	sets		

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**Construction of One (1) Unit Simulation Building
 for 155mm SP Howitzer Facilities at HAAR, PA
 Page (90/94)**

BILL OF QUANTITIES

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Description	Qty	Unit	P/Unit	Amount
Convenience Outlet, Duplex, weather proof/GFCI, w/ plate & cover	3	sets		
Convenience Outlet, Duplex, Pop-Up Floor Mounted	16	sets		
Telephone Outlet, w/ plate & cover	4	sets		
Telephone Outlet, Pop-Up Floor Mounted	9	sets		
Telephone Terminal Box	1	set		
Cable TV Outlet, w/ plate & cover	2	sets		
e. Electrical Devices				
Junction Box PVC w/ cover 4"x4"x2"	134	sets		
Utility Box PVC 4"x2"x2"	77	pcs		
Square box UPVC w/ cover 5"x5"x2"	9	sets		
Service Entrance Cap 50mmØ, Power	1	set		
Service Entrance Cap 20mmØ, Tel. & Wifi / CATV	2	sets		
Service Entrance Cap 32mmØ, Tel. Local	1	set		
Electrical Tape, big	20	pcs		

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**Construction of One (1) Unit Simulation Building
 for 155mm SP Howitzer Facilities at HAAR, PA
 Page (91/94)**

BILL OF QUANTITIES

**Construction of Operational Facilities of 155mm SP Howitzer for HAAR, PA at Fort
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Description	Qty	Unit	P/Unit	Amount
GI Tie wire #16, 25kl	5	sets		
PVC Solvent 400cc	20	cans		
Secondary Rack, 2-Spool	1	set		
f. Panel Boards				
PB 175AT/100AF MCCB, 22kaic, Single Phase, Bolt-On Type with 20-Branches: w/ Grounding Busbar, NEMA 3R Enclosure 13-20AT/50AF, 2P, Miniature cb, Bolt-on Type 07-30AT/50AF, 2P, Miniature cb, Bolt-on Type	1	set		
NEMA 3r Enclosure, 30AT/50AF, 2P CB, Bolt-on type	7	sets		
Ground Rod 5/8"Ø x 3m, w/ clamp, Power & Telephone/Wifi	2	sets		
Sub-Total				
Amenities (Complete Installation)				

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 Page (92/94)**

BILL OF QUANTITIES

**Construction of Operational Facilities of 155mm SP Howitzer for HAAR, PA at Fort
 Magsaysay, Nueva Ecija (1 Lot)
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Description	Qty	Unit	P/Unit	Amount
2.5HP Air Condition Unit, Split Type, Wall Mounted, Inverter, Remote, complete Installation with accessories	7	units		
Telephone Corded Handset	12	sets		
<i>Note: Telephone & Wifi Connection, Please Subscribe to PLDT (Free Telephone Corded Handset for Landline and Wifi Router)</i>				
Sub-Total				
XII. Fire Safety Requirements				
Fire Extinguisher ABC Dry Chemical, 10 Lbs.	7	sets		
Sub-Total				
XIII. Tile Works				
60x 60cm floor tiles (including CR flr tiles, main entrane & stairs)	1,130	pcs		
60x 60cm wall tiles - CR	320	pcs		
Portland cement type 1	50	bags		
Washed sand	12	cum		

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 Page (93/94)**

BILL OF QUANTITIES

**Construction of Operational Facilities of 155mm SP Howitzer for HAAR, PA at Fort
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Description	Qty	Unit	P/Unit	Amount
Tile adhesive	6	bags		
Tile grout - 2kgs/pack	6	packs		
Cutting disk	4	pcs		
Sub-Total				
XIV. Amenities - Office				
Computer table and chairs	14	sets		
Conference table with chairs (12 seater)	1	set		
Sala set - sofa - 2&3 seater, black leather uratex foam, wood side table	1	set		
Dining table with chair (4 seater)	1	set		
Water dispenser	1	set		
Sub-Total				
Total				

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Construction of One (1) Unit Simulation Building for 155mm SP Howitzer Facilities at HAAR, PA Page (94/94)

BILL OF QUANTITIES

Construction of Operational Facilities of 155mm SP Howitzer for HAAR, PA at Fort Magsaysay, Nueva Ecija (1 Lot)
Bid Ref. No. ENG'G PABAC3 018-23
Approved Budget Contract: PhP47,065,619.00

Description	Sub-total
III. Concrete Works	
IV. Masonry Works	
V. Form Works	
VI. Steel/Metal Works	
VII. Ceiling Works	
VIII. Doors, Windows and Cabinets/Locker	
IX. Plumbing Works	
X. Painting Works	
XI. Electrical Works	
XIII. Tile Works	
Total Material Cost	
Labor	
I. General Requirements	
II. Earthworks	
XII. Fire Safety Requirements	
XIV. Amenities - Office Amenities (ACUs)	
E-VAT	
Overhead	
Miscellaneous	
Contractor's Profit	
Total	

Notes:

- The Financial Bid includes taxes, labor cost and other cost relative to the construction of the project.
- The bidder shall shoulder all transportation costs, delivery charges and shall assume all risks until the goods have been delivered and installed at the project site and accepted by PA.
- The amount in the signed submitted Financial Bid Form (**Annex XI**) must be equal to the sum indicated in the Bill of Quantities per **Section VIII** must not exceed the total ABC

BIDDER'S UNDERTAKING

I/We, the undersigned bidder, have examined the Bidding Documents including Bid Bulletins, as applicable, hereby OFFER to (supply/deliver/perform) the above-described items.
 I/We undertake, if our bid is accepted, to deliver the items in accordance with the terms and conditions contained in the bid documents, including the posting of the required performance security within ten (10) calendar days from receipt of Notice of Award.
 Until a formal contract/order confirmation is prepared and signed, this Bid is binding on us.

Name of Company (in print)

Signature of Company Authorized Representative

Designation (in print)

Date

