



SUPPLEMENTAL/BID BULLETIN NO. 1

**BIDDING FOR THE DRYDOCKING, REPAIR, AND RE-PAINTING OF MALACAÑANG
PONTOON LANDING BARGES AND PCG BOAT HOUSE AND CGS LANDING
INCLUDING REPLACEMENT OF FLOATING BARRIERS**

T O : All Prospective Bidders
: Members, HO-BAC-PGCS
: Others Concerned

Relative to the Bidding Documents for the Bidding for the Drydocking, Repair, and Re-Painting of Malacañang Pontoon Landing Barges and PCG Boat House and CGS Landing Including Replacement of Floating Barriers (ASD-146-2023), which was posted in the PhilGEPS and PPA Websites on 18 May 2023, please be informed of the following amendments thereto, as follows:

I. ON THE TERMS OF REFERENCE (TOR):

xxx xxx xxx

I. PLANS/DRAWINGS AND BILL OF QUANTITIES (BOQ) (Attached)

xxx xxx xxx

II. ON PAGE 29 OF THE BID DOCUMENTS UNDER TECHNICAL SPECIFICATIONS:

xxx xxx xxx

FROM:

Supply, Delivery & Installation of Materials, Furniture & Fixtures for the Renovation of the Internal Audit Department

TO:

Bidding for the Drydocking, Repair, and Re-Painting of Malacañang Pontoon Landing Barges and PCG Boat House and CGS Landing Including Replacement of Floating Barriers

xxx xxx xxx

Issued this 19th day of May 2023.

THE BIDS AND AWARDS COMMITTEE:

By:


ANGELINA A. LLOSE
Vice-Chairperson, HO-BAC-PGCS

BILL OF QUANTITIES
DRYDOCKING, REPAIR AND RE-PAINTING OF SEVEN (7) UNITS PONTOON BARGES, REPLACEMENT
OF FLOATING BARRIERS, SANDING AND PAINTING OF BOAT HOUSE AND CGS BOAT LANDING
MALACANANG, MANILA

BILL
NO. 1 PONTOON BARGE NEB

ITEM NO. (1)	DESCRIPTION OF WORK (2)	UNIT (3)	QUANTITY (4)	UNIT PRICE (PESOS) (5)	AMOUNT (PESOS) (4) X (5) = (6)
1.1	Docking/Undocking including usage of 20 pcs. Docking blocks	barge	1		
1.2	Layday Charges	day-charge	30		
1.3	Scrape barnacles and other marine growths	sq. ft.	1,038		
1.4	Conduct U.T. gauging	spots	80		
1.5	Provide (3) copies of shell expansion plan	sets	1		
1.6	Crop-out/renewal of deteriorated maindeck flooring using 8mm MSP	sq. ft.	120		
1.7	Material: Blasted MSPlate 8mm x 6' x 20' with one coat of paint Crop-out/renewal of deteriorated bottom and siding using 8mm MSP	sheet	1		
1.8	Material: Blasted MSPlate 8mm x 6' x 20' with one coat of paint Crop-out/renewal of deteriorated bounding angle bars (mild steel)	sheet	1		
1.9	Material: MS Angle bar, 8mm x 3" x 3" x 20' Cleaning/de-rusting of void tanks and apply 2 coats of epoxy paint Material: Primer Epoxy Paint	linear.ft. length lot gals	5 1 1 20		
1.10	Sandblasting: a. Apply near white blasting on 20% of hull from Keel to Deckline b. Apply sand sweep blasting on 80% of hull from Keel to Deckline	sq.ft. sq.ft.	256 1,026		
1.11	Wirebrushing of maindeck flooring.	sq.ft.	750		
1.12	Application of paint on vessel including cradle post Keel to Deck Load Line (3 coats)	sq.ft.	1,038		
	Deck Load Line to Deck Line (3 coats)	sq.ft.	244		
	Main Deck (2 coats)	sq.ft.	750		
	Vessel's Name	lot	1		
	Cradle Post	lot	1		

BILL OF QUANTITIES
DRYDOCKING, REPAIR AND RE-PAINTING OF SEVEN (7) UNITS PONTOON BARGES, REPLACEMENT
OF FLOATING BARRIERS, SANDING AND PAINTING OF BOAT HOUSE AND CGS BOAT LANDING
MALACAÑANG, MANILA

1.13	Sweepblasting and painting of awning	lot	1		
1.14	Installation of new zinc anodes, 12 kgs. welded type (OWNERS SUPPLY)	pcs.	6		
1.15	Removal & renewal of light bulbs and housing	set	4		
1.16	Replacement of circuit breaker and weather proof outlets	lot	1		
1.17	Buffing to clear gloss of stainless steel railings, gang planks, and posts	lot	1		
1.18	Application of anti-skid paint at walkway on deck flooring using non-skid international paint	lot	1		
1.19	Renewal of rubber rollers and brackets using bushing type pillow blocks and angle bars Materials: S/S Bolts & Nuts, 1/2" dia x 4-1/2" CR Shafting, 3-1/2" x 2-1/2"L Tiger Bronze Bushing, 2" OD x 1" ID x 2"L Tool Steel Shafting, 1-1/4" x 20" MSPlate, 1/2" x 4" x 5" Angle bar, 8mm x 3" x 5" x 20'-0" Rubber roller, 4" dia x 16" L	lot	1		
1.20	Repair of Gang Plank and replacement of defective rollers and hinges	lot	1		
SUB-TOTAL FOR BILL NO. 1					

BILL OF QUANTITIES
DRYDOCKING, REPAIR AND RE-PAINTING OF SEVEN (7) UNITS PONTOON BARGES, REPLACEMENT
OF FLOATING BARRIERS, SANDING AND PAINTING OF BOAT HOUSE AND CGS BOAT LANDING
MALACAÑANG, MANILA

BILL
NO. 2 PONTOON BARGE MABINI

ITEM NO.	DESCRIPTION OF WORK	UNIT	QUANTITY		
(1)	(2)	(3)	(4)		
2.1	Docking/Undocking including usage of 20 pcs. Docking blocks	barge	1		
2.2	Layday Charges	day-barge	30		
2.3	Scrape barnacles and other marine growths	sq. ft.	1,038		
2.4	Conduct U.T. gauging	spots	80		
2.5	Provide (3) copies of shell expansion plan	sets	1		
2.6	Crop-out/renewal of deteriorated maindeck flooring using 8mm MSP Material: Blasted MSPlate 8mm x 6' x 20' with one coat of paint	sq. ft.	120		
2.7	Crop-out/renewal of deteriorated bottom and siding using 8mm MSP Material: Blasted MSPlate 8mm x 6' x 20' with one coat of paint	sheet	1		
2.8	Crop-out/renewal of deteriorated bounding angle bars (mild steel) Material: MS Angle bar, 8mm x 3" x 3" x 20'	sheet	1		
2.9	Clearing/derusting of void tanks and apply 2 coats of epoxy paint Material: Primer Epoxy Paint	linear.ft.	100		
2.10	Sanding/derusting of void tanks and apply 2 coats of epoxy paint Material: Primer Epoxy Paint	length	5		
2.11	Sandblasting: a. Apply near white blasting on 20% of hull from Keel to Deckline b. Apply sand sweep blasting on 80% of hull from Keel to Deckline	lot	1		
2.12	Wirebrushing of maindeck flooring. Application of paint on vessel including cradle post Keel to Deck Load Line (3 coats) Deck Load Line to Deck Line (3 coats) Main Deck (2 coats)	sq.ft.	256		
		sq.ft.	1,026		
		sq.ft.	750		
		sq.ft.	1,038		
		sq.ft.	244		
		sq.ft.	750		
	Vessel's Name	lot	1		

BILL OF QUANTITIES
DRYDOCKING, REPAIR AND RE-PAINTING OF SEVEN (7) UNITS PONTOON BARGES, REPLACEMENT
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MALACAÑANG, MANILA

2.13	Sweepblasting and painting of awning	lot	1		
2.14	Installation of new zinc anodes, 12 kgs. welded type (OWNERS SUPPLY)	pcs.	6		
2.15	Removal & renewal of bulbs and housing	set	4		
2.16	Replacement of circuit breaker and weather proof outlets	lot	1		
2.17	Buffing to clear gloss of stainless steel railings, gang planks, and posts	lot	1		
2.18	Application of anti-skid paint at walkway on deck flooring using non-skid international paint	lot	1		
2.19	Replacement of rubber fender (one side)	lot	1		
	Materials:				
	Flat bar, 5/16" x 3" x 20'	pcs	6		
	Solid "D" Type Rubber Fender, 4" w x 4" radius	linear.ft.	48		
	S/S Bolts & Nuts, 1/2" dia x 4-1/2"	pcs	88		
2.20	Repair of Gang Plank and replacement of defective rollers and hinges	lot	1		
SUB-TOTAL FOR BILL NO. 2					

BILL OF QUANTITIES
DRYDOCKING, REPAIR AND RE-PAINTING OF SEVEN (7) UNITS PONTOON BARGES, REPLACEMENT
OF FLOATING BARRIERS, SANDING AND PAINTING OF BOAT HOUSE AND CGS BOAT LANDING
MALACAÑANG, MANILA

BILL
NO. 3 PONTOON BARGE MALAGO

ITEM NO. (1)	DESCRIPTION OF WORK (2)	UNIT (3)	QUANTITY (4)		
3.1	Docking/Undocking including usage of 20 pcs. Docking blocks	barge	1		
3.2	Layday Charges	day-charge	30		
3.3	Scrape barnacles and other marine growths	sq. ft.	661		
3.4	Conduct U.T. gauging	spots	50		
3.5	Provide (3) copies of shell expansion plan	sets	1		
3.6	Crop-out/renewal of deteriorated maindeck flooring using 8mm MSP Material: Blasted MSPlate 8mm x 6' x 20' with one coat of paint	sq. ft.	120		
3.7	Crop-out/renewal of deteriorated bottom and siding using 8mm MSP Material: Blasted MSPlate 8mm x 6' x 20' with one coat of paint	sheet	1		
3.8	Cleaning/de-rusting of void tanks and apply 2 coats of epoxy paint Material: Primer Epoxy Paint	sheet	1		
3.9	Sandblasting: a. Apply near white blasting on 20% of hull from Keel to Deckline b. Apply sand sweep blasting on 80% of hull from Keel to Deckline	lot	1		
3.10	Wirebrushing of maindeck flooring. Application of paint on vessel including cradle post	gals	16		
3.11	Keel to Deck Load Line (3 coats) Deck Load Line to Deck Line (3 coats) Main Deck (2 coats) Vessel's Name Draft Marks Cradle Post Materials: Primer Epoxy Paint	sq.ft. sq.ft. sq.ft. lot lot lot lot	151 603 385 1 1 1 1		
			9		

BILL OF QUANTITIES
DRYDOCKING, REPAIR AND RE-PAINTING OF SEVEN (7) UNITS PONTOON BARGES, REPLACEMENT
OF FLOATING BARRIERS, SANDING AND PAINTING OF BOAT HOUSE AND CGS BOAT LANDING
MALACAÑANG, MANILA

3.12	Anti-corrosive Epoxy Paint Anti-fouling paint Epoxy paint (top coat) Paint Thinner	gals. gals. gals. gals.	9 6 7 7		
3.13	Sweepblasting and painting of awning	lot	1		
3.14	Installation of new zinc anodes, 12 kgs. welded type (OWNERS SUPPLY)	pcs.	6		
3.15	Removal & renewal of bulbs and housing	set	3		
3.16	Replacement of circuit breaker and weather proof outlets	lot	1		
3.17	Buffing to clear gloss of stainless steel railings, gang planks, and posts	lot	1		
3.18	Application of anti-skid paint at walkway on deck flooring using non-skid international paint	lot	1		
	Renewal of rubber rollers and brackets using bushing type pillow blocks and angle bars	lot	1		
	Materials:				
	S/S Bolts & Nuts, 1/2" dia x 4-1/2"	pcs	64		
	CR Shafting, 3-1/2" x 2-1/2"L	pcs	16		
	Tiger Bronze Bushing, 2" OD x 1" ID x 2"L	pcs	16		
	Tool Steel Shafting, 1-1/4" x 20"	pcs	8		
	MSPlate, 1/2" x 4" x 5"	pcs	16		
	Angle bar, 8mm x 3" x 5" x 20'-0"	pcs	3		
	Rubber roller, 4" dia x 16" L	pcs	8		
3.19	Renewal of deteriorated portions of rubber fender	lot	1		
	Materials:				
	Flat bar, 5/16" x 3" x 20'	pcs	4		
	Solid "D" Type Rubber Fender, 4" w x 4" radius	linear.ft.	20		
	S/S Bolts & Nuts, 1/2" dia x 4-1/2"	pcs	64		
3.20	Repair of Gang Plank and replacement of defective rollers and hinges	lot	1		
SUB-TOTAL FOR BILL NO. 3					

BILL OF QUANTITIES
DRYDOCKING, REPAIR AND RE-PAINTING OF SEVEN (7) UNITS PONTOON BARGES, REPLACEMENT
OF FLOATING BARRIERS, SANDING AND PAINTING OF BOAT HOUSE AND CGS BOAT LANDING
MALACAÑANG, MANILA

BILL

NO. 4 PONTOON BARGE PSG

ITEM NO.	DESCRIPTION OF WORK	UNIT	QUANTITY		
(1)	(2)	(3)	(4)		
4.1	Docking/Undocking including usage of 20 pcs. Docking blocks	berge	1		
4.2	Layday Charges	day-berge	30		
4.3	Scrape barnacles and other marine growths	sq. ft.	661		
4.4	Conduct U.T. gauging	spots	50		
4.5	Provide (3) copies of shell expansion plan	sets	1		
4.6	Crop-out/renewal of deteriorated maindeck flooring using 8mm MSP	sq. ft.	120		
4.7	Material: Blasted MSP/plate 8mm x 6' x 20' with one coat of paint Crop-out/renewal of deteriorated bottom and siding using 8mm MSP	sheet	1		
4.8	Material: Blasted MSP/plate 8mm x 6' x 20' with one coat of paint Crop-out/renewal of deteriorated bounding angle bars (mild steel)	sheet	1		
4.9	Material: MS Angle bar, 5/16" x 3" x 3" x 20' Cleaning/de-rusting of void tanks and apply 2 coats of epoxy paint	linear.ft.	160		
4.10	Material: Primer Epoxy Paint Sandblasting:	lot	1		
4.11	a. Apply near white blasting on 20% of hull from Keel to Deckline b. Apply sand sweep blasting on 80% of hull from Keel to Deckline	sq.ft.	151		
4.12	Wirebrushing of maindeck flooring. Application of paint on vessel including cradle post Keel to Deck Load Line (3 coats) Deck Load Line to Deck Line (3 coats) Main Deck (2 coats)	sq.ft.	603		
	Vessel's Name	lot	1		
	Draft Marks	lot	1		
	Cradle Post	lot	1		

BILL OF QUANTITIES
DRYDOCKING, REPAIR AND RE-PAINTING OF SEVEN (7) UNITS PONTOON BARGES, REPLACEMENT
OF FLOATING BARRIERS, SANDING AND PAINTING OF BOAT HOUSE AND CGS BOAT LANDING
MALACANANG, MANILA

4.13	Repair and painting of awning Materials: GI Sheet Gauge 16 x 4' x 8'	sheet	9		
4.14	Installation of new zinc anodes, 12 kgs. welded type (OWNERS SUPPLY)	pcs.	6		
4.15	Removal & renewal of bulbs and housing	set	3		
4.16	Replacement of circuit breaker and weather proof outlets	lot	1		
4.17	Buffing to clear gloss of stainless steel railings, gang planks, and posts	lot	1		
4.18	Application of anti-skid paint at walkway on deck flooring using non-skid international paint	lot	1		
4.19	Renewal of rubber rollers and brackets using bushing type pillow blocks and angle bars Materials: S/S Bolts & Nuts, 1/2" dia x 4-1/2" CR Shafting, 3-1/2" x 2-1/2"L Tiger Bronze Bushing, 2" OD x 1" ID x 2"L Tool Steel Shafting, 1-1/4" x 20" MSPlate, 1/2" x 4" x 5" Angle bar, 8mm x 3" x 5" x 20'-0" Rubber roller, 4" dia x 16" L	lot	1		
4.20	Renewal of rubber fender (one side) Materials: Flat bar, 5/16" x 3" x 20' Solid "D" Type Rubber Fender, 4" w x 4" radius S/S Bolts & Nuts, 1/2" dia x 4-1/2"	pcs linear.ft. pcs	4 35 64		
4.21	Repair of Gang Plank and replacement of defective rollers and hinges	lot	1		
SUB-TOTAL FOR BILL NO. 4					

**BILL OF QUANTITIES
 DRYDOCKING, REPAIR AND RE-PAINTING OF SEVEN (7) UNITS PONTOON BARGES, REPLACEMENT
 OF FLOATING BARRIERS, SANDING AND PAINTING OF BOAT HOUSE AND CGS BOAT LANDING
 MALACAÑANG, MANILA**

**BILL
 NO. 5 PONTOON BARGE PANGULO**

ITEM NO.	DESCRIPTION OF WORK	UNIT	QUANTITY		
(1)	(2)	(3)	(4)		
5.1	Docking/Undocking including usage of 20 pcs. Docking blocks	barge	1		
5.2	Layday Charges	day-barge	30		
5.3	Scrape barnacles and other marine growths	sq. ft.	661		
5.4	Conduct U.T. gauging	spots	50		
5.5	Provide (3) copies of shell expansion plan	sets	1		
5.6	Crop-out/renewal of deteriorated maindeck flooring using 8mm MSP	sq. ft.	120		
5.7	Material: Blasted MSPlate 8mm x 6' x 20' with one coat of paint Crop-out/renewal of deteriorated bottom and siding using 8mm MSP	sheet	1		
5.8	Material: Blasted MSPlate 8mm x 6' x 20' with one coat of paint Crop-out/renewal of deteriorated bounding angle bars (mild steel)	sheet	1		
5.9	Material: MS Angle bar, 5/16" x 3" x 3" x 20' Cleaning/de-rusting of void tanks and apply 2 coats of epoxy paint	linear.ft.	40		
5.9	Material: Primer Epoxy Paint	lot	1		
5.10	Sandblasting:	gals	16		
5.10	a. Apply near white blasting on 20% of hull from Keel to Deckline	sq. ft.	151		
5.10	b. Apply sand sweep blasting on 80% of hull from Keel to Deckline	sq. ft.	603		
5.11	Wirebrushing of maindeck flooring.	sq. ft.	385		
5.12	Application of paint on vessel including cradle post	sq. ft.	661		
5.12	Keel to Deck Load Line (3 coats)	sq. ft.	92		
5.12	Deck Load Line to Deck Line (3 coats)	sq. ft.	385		
5.12	Main Deck (2 coats)	lot	1		
5.12	Vessel's Name	lot	1		
5.12	Draft Marks	lot	1		
5.12	Cradle Post	lot	1		
5.12	Materials:	lot	1		
5.12	Primer Epoxy Paint	gals.	9		

BILL OF QUANTITIES
DRYDOCKING, REPAIR AND RE-PAINTING OF SEVEN (7) UNITS PONTOON BARGES, REPLACEMENT
OF FLOATING BARRIERS, SANDING AND PAINTING OF BOAT HOUSE AND CGS BOAT LANDING
MALACAÑANG, MANILA

5.13	Sweepblasting and painting of awning	gals.	9		
	Anti-corrosive Epoxy Paint	gals.	6		
	Anti-fouling paint	gals.	7		
	Epoxy paint (top coat)	gals.	7		
	Paint Thinner	lot	1		
5.14	Installation of new zinc anodes, 12 kgs. welded type (OWNERS SUPPLY)	pcs.	6		
5.15	Removal & renewal of bulbs and housing	set	3		
5.16	Replacement of circuit breaker and weather proof aircon outlets	lot	1		
5.17	Buffing to clear gloss of stainless steel railings, gang planks, and posts	lot	1		
5.18	Application of anti-skid paint at walkway on deck flooring using non-skid international paint	lot	1		
5.19	Renewal of rubber rollers and brackets using bushing type pillow blocks and angle bars	lot	1		
	Materials:				
	S/S Bolts & Nuts, 1/2" dia x 4-1/2"	pcs	64		
	CR Shafting, 3-1/2" x 2-1/2"L	pcs	16		
	Tiger Bronze Bushing, 2" OD x 1" ID x 2"L	pcs	16		
	Tool Steel Shafting, 1-1/4" x 20"	pcs	8		
	MSPlate, 1/2" x 4" x 5"	pcs	16		
	Angle bar, 8mm x 3" x 5" x 20'-0"	pcs	3		
	Rubber roller, 4" dia x 16" L	pcs	8		
5.20	Renewal of rubber fender (one side)	lot	1		
	Materials:				
	Flat bar, 5/16" x 3" x 20'	pcs	4		
	Solid "D" Type Rubber Fender, 4" w x 4" radius	linear.ft.	35		
	S/S Bolts & Nuts, 1/2" dia x 4-1/2"	pcs	64		
5.21	Repair of Gang Plank and replacement of defective rollers and hinges	lot	1		
SUB-TOTAL FOR BILL NO. 5					

BILL OF QUANTITIES
DRYDOCKING, REPAIR AND RE-PAINTING OF SEVEN (7) UNITS PONTOON BARGES, REPLACEMENT
OF FLOATING BARRIERS, SANDING AND PAINTING OF BOAT HOUSE AND CGS BOAT LANDING
MALACAÑANG, MANILA

BILL
NO. 6 PONTOON BARGE PALACE 1

ITEM NO.	DESCRIPTION OF WORK	UNIT	QUANTITY		
(1)	(2)	(3)	(4)		
6.1	Docking/Undocking including usage of 20 pcs. Docking blocks	barge	1		
6.2	Layday Charges	day-barge	30		
6.3	Scrape barnacles and other marine growths	sq. ft.	661		
6.4	Conduct U.T. gauging	spots	50		
6.5	Provide (3) copies of shell expansion plan	sets	1		
6.6	Cleaning/de-rusting of void tanks and apply 2 coats of epoxy paint Material: Primer Epoxy Paint	lot	1		
6.7	Sandblasting: a. Apply near white blasting on 20% of hull from Keel to Deckline b. Apply sand sweep blasting on 80% of hull from Keel to Deckline	sq. ft.	151		
6.8	Wirebrushing of maindeck flooring.	sq. ft.	603		
6.9	Application of paint on vessel including cradle post Keel to Deck Load Line (3 coats) Deck Load Line to Deck Line (3 coats) Main Deck (2 coats) Vessel's Name Draft Marks Cradle Post Materials: Primer Epoxy Paint Anti-corrosive Epoxy Paint Anti-fouling paint Epoxy paint (top coat) Paint Thinner	sq. ft. sq. ft. sq. ft. lot lot lot gals. gals. gals. gals. gals.	661 92 385 1 1 1 9 9 6 7 7		

BILL OF QUANTITIES
DRYDOCKING, REPAIR AND RE-PAINTING OF SEVEN (7) UNITS PONTOON BARGES, REPLACEMENT
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MALACAÑANG, MANILA

6.10	Sweepblasting and painting of awning	lot	1		
6.11	Installation of new zinc anodes, 12 kgs. welded type (OWNERS SUPPLY)	pcs.	6		
6.12	Removal & renewal of bulbs and housing	set	3		
6.13	Replacement of circuit breaker and weather proof outlets	lot	1		
6.14	Buffing to clear gloss of stainless steel railings, gang planks, and posts	lot	1		
6.15	Application of anti-skid paint at walkway on deck flooring using non-skid international paint	lot	1		
6.16	Renewal of rubber rollers and brackets using bushing type pillow blocks and angle bars Materials: S/S Bolts & Nuts, 1/2" dia x 4-1/2" CR Shafting, 3-1/2" x 2-1/2"L Tiger Bronze Bushing, 2" OD x 1" ID x 2"L Tool Steel Shafting, 1-1/4" x 20" MSPlate, 1/2" x 4" x 5" Angle bar, 8mm x 3" x 5" x 20'-0" Rubber roller, 4" dia x 16" L	lot pcs pcs pcs pcs pcs pcs	1		
6.17	Repair of Gang Plank and replacement of defective rollers and hinges	lot	1		
SUB-TOTAL FOR BILL NO. 6					

BILL OF QUANTITIES
DRYDOCKING, REPAIR AND RE-PAINTING OF SEVEN (7) UNITS PONTOON BARGES, REPLACEMENT
OF FLOATING BARRIERS, SANDING AND PAINTING OF BOAT HOUSE AND CGS BOAT LANDING
MALACAÑANG, MANILA

BILL
NO. 7 PONTOON BARGE PALACE 2

ITEM NO. (1)	DESCRIPTION OF WORK (2)	UNIT (3)	QUANTITY (4)		
7.1	Docking/Undocking including usage of 20 pcs. Docking blocks	barge	1		
7.2	Layday Charges	day-barge	30		
7.3	Scrape barnacles and other marine growths	sq. ft.	661		
7.4	Conduct U. T. gauging	spots	50		
7.5	Provide (3) copies of shell expansion plan	sets	1		
7.6	Cleaning/de-rusting of void tanks and apply 2 coats of epoxy paint Material: Primer Epoxy Paint	lot	1		
7.7	Sandblasting: a. Apply near white blasting on 20% of hull from Keel to Deckline b. Apply sand sweep blasting on 80% of hull from Keel to Deckline	sq. ft.	151		
7.8	Wirebrushing of maindeck flooring.	sq. ft.	603		
7.9	Application of paint on vessel including cradle post Keel to Deck Load Line (3 coats) Deck Load Line to Deck Line (3 coats) Main Deck (2 coats) Vessel's Name Draft Marks Cradle Post Materials: Primer Epoxy Paint Anti-corrosive Epoxy Paint Anti-fouling paint Epoxy paint (top coat) Paint Thinner	sq. ft. sq. ft. sq. ft. lot lot lot gals. gals. gals. gals. gals.	661 92 385 1 1 1 9 9 6 7 7		

**BILL OF QUANTITIES
 DRYDOCKING, REPAIR AND RE-PAINTING OF SEVEN (7) UNITS PONTOON BARGES, REPLACEMENT
 OF FLOATING BARRIERS, SANDING AND PAINTING OF BOAT HOUSE AND CGS BOAT LANDING
 MALACAÑANG, MANILA**

7.10	Sweepblasting and painting of awning	lot	1		
7.11	Installation of new zinc anodes, 12 kgs. welded type (OWNERS SUPPLY)	pcs.	6		
7.12	Removal & renewal of bulbs and housing	set	3		
7.13	Replacement of circuit breaker and weather proof outlets	lot	1		
7.14	Buffing to clear gloss of stainless steel railings, gang planks, and posts	lot	1		
7.15	Application of anti-skid paint at walkway on deck flooring using non-skid international paint	lot	1		
7.16	Renewal of rubber rollers and brackets using bushing type pillow blocks and angle bars Materials: S/S Bolts & Nuts, 1/2" dia x 4-1/2" CR Shafting, 3-1/2" x 2-1/2"L Tiger Bronze Bushing, 2" OD x 1" ID x 2"L Tool Steel Shafting, 1-1/4" x 20" MSPlate, 1/2" x 4" x 5" Angle bar, 8mm x 3" x 5" x 20'-0" Rubber roller, 4" dia x 16" L	lot	1		
7.17	Repair of Gang Plank and replacement of defective rollers and hinges	lot	1		
SUB-TOTAL FOR BILL NO. 7					
TOTAL COST FOR BILL NO. 1-7					

BILL OF QUANTITIES
DRYDOCKING, REPAIR AND RE-PAINTING OF SEVEN (7) UNITS PONTOON BARGES, REPLACEMENT
OF FLOATING BARRIERS, SANDING AND PAINTING OF BOAT HOUSE AND CGS BOAT LANDING
MALACAÑANG, MANILA

BILL

NO. 8 TOWING/TUGBOAT SERVICES FOR PONTOON BARGES

ITEM NO.	DESCRIPTION OF WORK	UNIT	QUANTITY		
(1)	(2)	(3)	(4)		
1.0	Towing of Pontoon landing barges from Malacanang to Contractor's shipyard and vice versa using two (2) units tug-boat, 250 HP each (for 6 days)	day	6		
SUB-TOTAL FOR BILL NO. 8					

BILL

NO. 9 PONTOONS' FLOATING BARRIERS AND CGS BOAT LANDING AND BOAT HOUSE

ITEM NO.	DESCRIPTION OF WORK	UNIT	QUANTITY		
(1)	(2)	(3)	(4)		
1.0	Replacement of floating barriers on seven (7) pontoon landing barges using 2 1/2" dia x 36" floater (enclosed with P. E. canvass material)				
	a. Pontoon Barge PSG	meters	54		
	b. Pontoon Barge Mabini	meters	24		
	c. Pontoon Barge Malago	meters	34		
	d. Pontoon Barge Palace 1 and 2	meters	46		
	e. Pontoon Barge Pangulo	meters	34		
	f. Pontoon Barge NEB	meters	34		
2.0	Sanding and Painting of Boat House and CGS Boat Landing	lot	1		
SUB-TOTAL FOR BILL NO. 9					

TOTAL COST FOR BILL NO. 1-9

BILL OF QUANTITIES
DRYDOCKING, REPAIR AND RE-PAINTING OF SEVEN (7) UNITS PONTOON BARGES, REPLACEMENT
OF FLOATING BARRIERS, SANDING AND PAINTING OF BOAT HOUSE AND CGS BOAT LANDING
MALACAÑANG, MANILA

SUMMARY

BILL No.	-
1. Pontoon Barge NIEB	-
2. Pontoon Barge MABINI	-
3. Pontoon Barge MALAGO	-
4. Pontoon Barge PSG	-
5. Pontoon Barge PANGULO	-
6. Pontoon Barge PALACE 1	-
7. Pontoon Barge PALACE 2	-
8. Towing/Tugboat Services for Pontoon Barges	-
9. Replacement of Pontoon's Floating barriers and repainting of PCG's Boat House and landing	-
GRAND TOTAL	-

