

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

ΤO

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

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 BONTO

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(1) 1.1 Docking/Undocking inc 1.2 Layday Charges 1.3 Scrape barnacles and 1.4 Conduct U.T. gauging 1.5 Provide (3) copies of s	DESCRIPTION OF WORK (2) Docking/Undocking including usage of 20 pcs. Docking blocks Layday Charges Scrape barnacles and other marine growths Conduct U.T. gauging Provide (3) copies of shell expansion plan	barge day-barge sq. ft. spots sets	(4) 1 30 1,038 80	(PESOS) (5)
	(2) (ing including usage of 20 pcs. Docking blocks es and other marine growths auging ies of shell expansion plan	barge day-barge sq. ft. spots sets	(4) 1 30 1,038 80	(PESOS) (5)
	(2) (ing including usage of 20 pcs. Docking blocks es and other marine growths auging ies of shell expansion plan	barge day-barge sq. ft. spots sets	(4) 1 30 1,038 80	(5)
	ting including usage of 20 pcs. Docking blocks es and other marine growths auging ies of shell expansion plan	barge day-barge sq. ft. spots sets	1 30 1,038 80	
	es and other marine growths auging ies of shell expansion plan	day-barge sq. ft. spots sets	30 1,038 80	
	es and other marine growths auging ies of shell expansion plan	sq. ft. spots sets	1,038 80 1	
	auging ies of shell expansion plan	spots sets	1 80	
	ies of shell expansion plan	sets		
_				
1.6 Crop-out/renewa	Crop-out/renewal of deteriorated maindeck flooring using 8mm MSP	sq. ft.	120	
Material: Blaste	Material: Blasted MSPlate 8mm x 6' x 20' with one coat of paint	sheet		
1.7 Crop-out/renewa	Crop-out/renewal of deteriorated bottom and siding using 8mm MSP	sq. ft.	120	
Material: Blastu	Material: Blasted MSPlate 8mm x 6' x 20' with one coat of paint	sheet	_	
1.8 Crop-out/renewa	Crop-out/renewal of deteriorated bounding angle bars (mild steel)	linear.ft.	100	
Material: MS A	Material: MS Angle bar, 8mm x 3" x 3" x 20'	length	ڻ ن	
1.9 Cleaning/de-rust	Cleaning/de-rusting of void tanks and apply 2 coats of epoxy paint	ō		
Material: Primer Epoxy Paint	er Epoxy Paint	gals	20	
1.10 Sandblasting:				
a. Apply near whi	a. Apply near white blasting on 20% of hull from Keel to Deckline	sq.ft.	256	
b. Apply sand swo	 Apply sand sweep blasting on 80% of hull from Keel to Deckline 	sq.ft.	1,026	
1.11 Wirebrushing of r	Wirebrushing of maindeck flooring.	sq.ft.	750	
1.12 Application of pair	Application of paint on vessel including cradle post			
Keel to Deck Load Line (3 coats)	ad Line (3 coats)	sq.ft.	1,038	
Deck Load Line to	Deck Load Line to Deck Line (3 coats)	sq.ft.	244	
Main Deck (2 coats)	ats)	sq.ft.	750	
Vessel's Name		ō		
Cradle Post		lot	1	

	Draft Marks	ठू			
	Materials:				
	Primer Epoxy Paint	gals.	22		
	Anti-corrosive Epoxy Paint	gals.	20		
	Anti-fouling paint	gals.	9		
	Epoxy paint (top coat)	gals.	க்		
	Paint Thinner	gais.	14		
1.13	Sweepblasting and painting of awning	lot	<u>_</u>		
1.14	Installation of new zinc anodes, 12 kgs. welded type (OWNERS SUPPLY)	pcs.	o o		
1.15		set	4		
1.16	Replacement of circuit breaker and weather proof outlets	<u>o</u>			
1.17	Buffing to clear gloss of stainless steel railings, gang planks, and posts	핝	_		
1.18	Application of anti-skid paint at walkway on deck flooring using				
	non-skid international paint	ᅙ	-		
1.19	Renewal of rubber rollers and brackets using bushing type pillow blocks				
•	and angle bars	<u>o</u> t			
	Materials:				
	S/S Bolts & Nuts, 1/2" dia x 4-1/2"	pcs	2		
	CR Shafting, 3-1/2" x 2-1/2"L	pcs	1 6		
	Tiger Bronze Bushing, 2" OD x 1" ID x 2"L	pcs	16		
	Tool Steel Shafting, 1-1/4" x 20"	pcs	œ		
	MSPlate, 1/2" x 4" x 5"	pcs	16		
	Angle bar, 8mm x 3" x 5" x 20'-0"	pcs	ω		
	Rubber roller, 4" dia x 16" L	pcs	00		
1,20	Repair of Gang Plank and replacement of defective rollers and hinges	<u>a</u>	-		
SUB-	SUB-TOTAL FOR BILL NO. 1				

NO. 2 PONTOON BARGE MABINI

MELL	DESCRIPTION OF WORK	TINU	QUANTITY	
3	(2)	(3)	£	
2.1	Docking/Undocking including usage of 20 pcs. Docking blocks	barge	<u> </u>	
2,2	Layday Charges	day-barge	జ	
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		
2.6	Crop-out/renewal of deteriorated maindeck flooring using 8mm MSP	sq. ft.	120	
	Material: Blasted MSPlate 8mm x 6' x 20' with one coat of paint	sheet	-	
2.7	Crop-out/renewal of deteriorated bottom and siding using 8mm MSP	sq. ft.	120	
	Material: Blasted MSPlate 8mm x 6' x 20' with one coat of paint	sheet		
2.8	Crop-out/renewal of deteriorated bounding angle bars (mild steel)	linear.ft.	100	
	Material: MS Angle bar, 8mm x 3" x 3" x 20'	length	(J)	
2.9	Cleaning/de-rusting of void tanks and apply 2 coats of epoxy paint	ōţ	_	
	Material: Primer Epoxy Paint	gals	20	
2.10	Sandblasting:			-
	a. Apply near white blasting on 20% of hull from Keel to Deckline	sq.ft.	256	
	b. Apply sand sweep blasting on 80% of hull from Keel to Deckline	sq.ft.	1,026	
2.11	Wirebrushing of maindeck flooring.	sq.ft.	750	
2.12	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	-	

SUB-TOTAL	- S/				2.19 Repl	non-	2.18 Appli	2.17 Buffi	2.16 Repl	2.15 Rem	2.14 Insta	2.13 Swe	P _k	Ť.		_ 	<u> </u>	<u> </u>	<u> </u>
SUB-TOTAL FOR BILL NO. 2	S/S Bolts & Nuts, 1/2" dia x 4-1/2"	Solid "D" Type Rubber Fender, 4" w x 4" radius	Flat bar, 5/16" x 3" x 20'	Materials:	Replacement of rubber fender (one side)	non-skid international paint	Application of anti-skid paint at walkway on deck flooring using	Buffing to clear gloss of stainless steel railings, gang planks, and posts	Replacement of circuit breaker and weather proof outlets	Removal & renewal of bulbs and housing	Installation of new zinc anodes, 12 kgs. welded type (OWNERS SUPPLY)	Sweepblasting and painting of awning	Paint Thinner	Epoxy paint (top coat)	(.	Anti-fouling paint	Anti-corrosive Epoxy Paint Anti-fouling paint	Primer Epoxy Paint Anti-corrosive Epoxy Paint Anti-fouling paint	waterials: Primer Epoxy Paint Anti-corrosive Epoxy Paint Anti-fouling paint
lot	pcs	linear.ft.	pcs		ō	ᅙ		lot	ᅙ	set	pcs.	iot	gals.	gals.	900	nals	gals.	gals.	gals.
	88	48	တ		_				-3.	4	o	-	14	16	Œ	•	20	22	20 22
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BILL
NO. 3 PONTOON BARGE MALAGO

Docking/Undocking including usage of 20 pcs. Docking blocks Layday Charges Scrape barnacles and other marine growths Conduct U.T. gauging Provide (3) copies of shell expansion plan Corporutirenewal of deteriorated maindeck flooring using 8mm MSP Material: Blasted MSPlate 8mm x 6" x 20" with one coat of paint Cleaning/de-rusting of void tanks and apply 2 coats of epoxy paint Material: Primer Epoxy Paint 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 Wirebrushing of maindeck flooring. Application of paint on vessel including cradle post Keel to Deck Load Line (3 coats) Beck Load Line to Deck Line (3 coats) Perimer Epoxy Paint Materials: Mat										3. 11	3.10			ა 9		<u>မ</u> အ		3.7		3.6	ა 5	3.4	ယ	3.2	ω 1	3	NO.	ITEN
	Primer Epoxy Paint	Materials:	Cradle Post	Draft Marks	Vessel's Name	Main Deck (2 coats)	Deck Load Line to Deck Line (3 coats)	Keel to Deck Load Line (3 coats)	Keel to Deck Load Line (3 coats)	Application of paint on vessel including cradle post	Wirebrushing of maindeck flooring.	b. Apply sand sweep blasting on 80% of hull from Keel to Deckline	a. Apply near white blasting on 20% of hull from Keel to Deckline	Sandblasting:	Material: Primer Epoxy Paint	Cleaning/de-rusting of void tanks and apply 2 coats of epoxy paint	Material: Blasted MSPlate 8mm x 6' x 20' with one coat of paint	Crop-out/renewal of deteriorated bottom and siding using 8mm MSP	Material: Blasted MSPlate 8mm x 6' x 20' with one coat of paint	Crop-out/renewal of deteriorated maindeck flooring using 8mm MSP	Provide (3) copies of shell expansion plan	Conduct U.T. gauging	Scrape barnacles and other marine growths	Layday Charges	Docking/Undocking including usage of 20 pcs. Docking blocks	(2)		DESCRIPTION OF WORK
(4) 30 661 50 120 120 16 16 16 16 17 16 18 18 18 18 18 18 18 18 18 18 18 18 18	gals.		ō	হু	তু	sq.ft.	sq.ft.	sq.ft.	so fi		sq.ft.	sq.ft.	sq.ft.		gals	lot	sheet	sq. ft.	sheet	sq. ft.	sets	spots	sq. ft.	day-barge	barge	(3)		UNIT
	9			-		385	92	661	661		385	603	151		16		-1	120	_	120	_	50	661	30	>	(4)		QUANTITY
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		SUB-TOTAL FOR BILL NO. 3
_	ot .	3.20 Repair of Gang Plank and replacement of defective rollers and hinges
δ	pcs	S/S Bolts & Nuts, 1/2" dia x 4-1/2"
2	linear.ft.	Solid "D" Type Rubber Fender, 4" w x 4" radius
	pcs	Flat bar, 5/16" x 3" x 20'
		Materials:
	ᅙ	3.19 Renewal of deteriorated portions of rubber fender
	pcs	Rubber roller, 4" dia x 16" L
	pcs	Angle bar, 8mm x 3" x 5" x 20'-0"
	pcs	MSPlate, 1/2" x 4" x 5"
	pcs	Tool Steel Shafting, 1-1/4" x 20"
	pcs	Tiger Bronze Bushing, 2" OD x 1" ID x 2"L
	pcs	CR Shafting, 3-1/2" x 2-1/2"L
	pcs	S/S Bolts & Nuts, 1/2" dia x 4-1/2"
		Materials:
	ōţ	and angle bars
		3.18 Renewal of rubber rollers and brackets using bushing type pillow blocks
	ot	non-skid international paint
		3.17 Application of anti-skid paint at walkway on deck flooring using
	ō	3.16 Buffing to clear gloss of stainless steel railings, gang planks, and posts
	ō	3.15 Replacement of circuit breaker and weather proof outlets
	set	3.14 Removal & renewal of bulbs and housing
	pcs.	3.13 Installation of new zinc anodes, 12 kgs. welded type (OWNERS SUPPLY)
	ōţ	3.12 Sweepblasting and painting of awning
	gals.	Paint Thinner
	gals.	Epoxy paint (top coat)
	gals.	Anti-fouling paint
	gals.	Anti-corrosive Epoxy Paint
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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

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NO. 4 PONTOON BARGE PSG

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Cradle Post	Draft Marks	Vessel's Name	Main Deck (2 coats)	Deck Load Line to Deck Line (3 coats)	Keel to Deck Load Line (3 coats)	Application of paint on vessel including cradle post	Wirebrushing of maindeck flooring.	b. Apply sand sweep blasting on 80% of hull from Keel to Deckline	a. Apply near white blasting on 20% of hull from Keel to Deckline	Sandblasting:	Material: Primer Epoxy Paint	Cleaning/de-rusting of void tanks and apply 2 coats of epoxy paint	Material: MS Angle bar, 5/16" x 3" x 3" x 20'	Crop-out/renewal of deteriorated bounding angle bars (mild steel)	Material: Blasted MSPlate 8mm x 6' x 20' with one coat of paint	Crop-out/renewal of deteriorated bottom and siding using 8mm MSP	Material: Blasted MSPlate 8mm x 6' x 20' with one coat of paint	Crop-out/renewal of deteriorated maindeck flooring using 8mm MSP	Provide (3) copies of shell expansion plan	Conduct U.T. gauging	Scrape barnacles and other marine growths	Layday Charges	Docking/Undocking including usage of 20 pcs. Docking blocks	(2)		DESCRIPTION OF WORK
ō	ᅙ	ōţ	sq.ft.	sq.ft.	sq.ft.		sq.ft.	sq.ft.	sq.ft.		gals	ot	length	linear.ft.	sheet	sq. ft.	sheet	sq. ft.	sets	spots	sq. ft.	day-barge	barge	(3)	_	TINU
		<u></u>	455	92	661		455	603	151		1 6		œ	160	-3	120	_	120	>	50	661	30	-	(4)		QUANTITY
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4.21 Kepa		S/	ာလ		<u>×</u>	4.20 Rene	- Z					<u>ှ</u>	စ္		and	4,19 Ren	non-	4.18 Appl	4.17 Buffi	4.16 Rep	4.15 Rem	4.14 Insta	Mat	4.13 Rep		<u></u>				×
	Repair of Gang Plank and replacement of defective rollers and hinges	S/S Bolts & Nuts, 1/2" dia x 4-1/2"	Solid "D" Type Rubber Fender, 4" w x 4" radius	Flat bar, 5/16" x 3" x 20'	Materials:	Renewal of rubber fender (one side)	Rubber roller, 4" dia x 16" L	Angle bar, 8mm x 3" x 5" x 20'-0"	MSPlate, 1/2" x 4" x 5"	Tool Steel Shafting, 1-1/4" x 20"	Tiger Bronze Bushing, 2" OD x 1" ID x 2"L	CR Shafting, 3-1/2" x 2-1/2"L	S/S Bolts & Nuts, 1/2" dia x 4-1/2"	Materials:	and angle bars	Renewal of rubber rollers and brackets using bushing type pillow blocks	non-skid international paint	Application of anti-skid paint at walkway on deck flooring using	Buffing to clear gloss of stainless steel railings, gang planks, and posts	Replacement of circuit breaker and weather proof outlets	Removal & renewal of bulbs and housing	Installation of new zinc anodes, 12 kgs. welded type (OWNERS SUPPLY)	Materials: GI Sheet Gauge 16 x 4' x 8'	Repair and painting of awning	Paint Thinner	Epoxy paint (top coat)	Anti-fouling paint	Anti-corrosive Epoxy Paint	Primer Epoxy Paint	Materials:
	ot -	pcs	linear.ft.	pcs		፬	pcs	pcs	pcs	pcs	pcs	pcs	pcs		ᅙ		ᅙ		ᅙ	₫	set	pcs.	sheet	<u>o</u>	gals.	gals.	gals.	gals.	gals.	
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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

NO. 5 PONTOON BARGE PANGULO

MEM	DESCRIPTION OF WORK	UNIT	QUANTITY	
) N		3	<u> </u>	
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<u>ن</u>	Docking/Undocking including usage of 20 pcs. Docking blocks	barge	-3	
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	
ტ. ნ	Provide (3) copies of shell expansion plan	sets		
<u>წ</u> .ნ	Crop-out/renewal of deteriorated maindeck flooring using 8mm MSP	sq. ft.	120	
	Material: Blasted MSPlate 8mm \times 6' \times 20' with one coat of paint	sheet	_	
5.7	Crop-out/renewal of deteriorated bottom and siding using 8mm MSP	sq. ft.	120	
	Material: Blasted MSPlate 8mm \times 6' \times 20' with one coat of paint	sheet		
.5 .8	Crop-out/renewal of deteriorated bounding angle bars (mild steel)	linear.ft.	40	
	Material: MS Angle bar, 5/16" x 3" x 3" x 20'	length	N	
5.9	Cleaning/de-rusting of void tanks and apply 2 coats of epoxy paint	ᅙ	<u> </u>	
	Material: Primer Epoxy Paint	gals	6	
5.10	Sandblasting:			
	a. Apply near white blasting on 20% of hull from Keel to Deckline	sq.ft.	151	
	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			
	Keel to Deck Load Line (3 coats)	sq.ft.	661	
	Deck Load Line to Deck Line (3 coats)	sq.ft.	92	
	Main Deck (2 coats)	sq.ft.	385	
	Vessel's Name	iot	-	
	Draft Marks	<u>o</u>	_	
	Cradle Post	ठू	_	
	Materials:			
	Primer Epoxy Paint	gals.	ဖ	

Page 9 of 16

5,21 F		·			5.20	-									5.19		5.18	5.17	5.16	5.15	5.14	5.13					
Repair of Gang Plank and replacement of defective rollers and hinges	S/S Bolts & Nuts, 1/2" dia x 4-1/2"	Solid "D" Type Rubber Fender, 4" w x 4" radius	Flat bar, 5/16" x 3" x 20'	Materials:	Renewal of rubber fender (one side)	Rubber roller, 4" dia x 16" L	Angle bar, 8mm x 3" x 5" x 20'-0"	MSPlate, 1/2" x 4" x 5"	Tool Steel Shafting, 1-1/4" x 20"	Tiger Bronze Bushing, 2" OD x 1" ID x 2"L	CR Shafting, 3-1/2" x 2-1/2"L	S/S Bolts & Nuts, 1/2" dia x 4-1/2"	Materials:	and angle bars	Renewal of rubber rollers and brackets using bushing type pillow blocks	non-skid international paint	Application of anti-skid paint at walkway on deck flooring using	Buffing to clear gloss of stainless steel railings, gang planks, and posts	Replacement of circuit breaker and weather proof aircon outlets	Removal & renewal of bulbs and housing	installation of new zinc anodes, 12 kgs. welded type (OWNERS SUPPLY)	Sweepblasting and painting of awning	Paint Thinner	Epoxy paint (top coat)	Anti-fouling paint	Anti-corrosive Epoxy Paint	
lot	pcs	linear.ft.	pcs		ᅙ	pcs	pcs	pcs	pcs	pcs	pcs	pcs		ᅙ		ōţ		o <u>t</u>	lot .	set	pcs.	ᅙ	gais.	gals.	gals.	gals.	
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	Repair of Gang Plank and replacement of defective rollers and hinges	S/S Bolts & Nuts, 1/2" dia x 4-1/2" pcs Repair of Gang Plank and replacement of defective rollers and hinges lot	Solid "D" Type Rubber Fender, 4" w x 4" radius S/S Bolts & Nuts, 1/2" dia x 4-1/2" Repair of Gang Plank and replacement of defective rollers and hinges linear.ft. pcs tot	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" Repair of Gang Plank and replacement of defective rollers and hinges lot	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" Repair of Gang Plank and replacement of defective rollers and hinges pcs lot	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" Repair of Gang Plank and replacement of defective rollers and hinges	Renewal of rubber fender (one side) 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" Repair of Gang Plank and replacement of defective rollers and hinges lot	Angle bar, 8mm x 3" x 5" x 20'-0" Rubber roller, 4" dia x 16" L 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" Repair of Gang Plank and replacement of defective rollers and hinges lot	MSPlate, 1/2" x 4" x 5" pcs Angle bar, 8mm x 3" x 5" x 20'-0" pcs Rubber roller, 4" dia x 16" L 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" Repair of Gang Plank and replacement of defective rollers and hinges lot	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 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" Repair of Gang Plank and replacement of defective rollers and hinges lot	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 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" Repair of Gang Plank and replacement of defective rollers and hinges lot pcs linear.ft. pcs linear.ft. pcs linear.ft. pcs	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 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" Repair of Gang Plank and replacement of defective rollers and hinges lot pcs linear.ft. pcs linear.ft. pcs linear.ft. pcs	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 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" Repair of Gang Plank and replacement of defective rollers and hinges	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 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" Repair of Gang Plank and replacement of defective rollers and hinges lot pcs linear.ft. pcs lot lot lot lot	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" 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" Repair of Gang Plank and replacement of defective rollers and hinges lot	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 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" Repair of Gang Plank and replacement of defective rollers and hinges lot lot lot lot lot lot lot lo	non-skid international paint 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 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" Repair of Gang Plank and replacement of defective rollers and hinges Iot Iot Iot Iot Iot Iot Iot Io	Application of anti-skid paint at walkway on deck flooring using non-skid international paint 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" S/S Bolts & Nuts, 1/2" dia x 4-1/2" CR Shaffing, 3-1/2" x 2-1/2"L Tiger Bronze Bushing, 2" OD x 1" ID x 2"L Tool Steel Shaffing, 1-1/4" x 20" MSPlate, 1/2" x 4" x 5" Angle bar, 8mm x 3" x 5" x 20'-0" 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" Repair of Gang Plank and replacement of defective rollers and hinges lot lot lot pcs pcs pcs pcs pcs lot pcs Solid "D" Type Rubber Fender, 4" w x 4" radius S/S Bolts & Nuts, 1/2" dia x 4-1/2" pcs Solid "D" Type Rubber Fender, 4" w x 4" radius S/S Bolts & Nuts, 1/2" dia x 1-1/2" lot pcs lot pcs lot pcs Solid "D" Type Rubber Fender, 4" w x 4" radius S/S Bolts & Nuts, 1/2" dia x 1-1/2" lot pcs Solid "D" Type Rubber Fender, 4" w x 4" radius S/S Bolts & Nuts, 1/2" dia x 1-1/2" lot pcs Solid "D" Type Rubber Fender, 4" w x 4" radius S/S Bolts & Nuts, 1/2" dia x 1-1/2" lot pcs lot	Buffing to clear gloss of stainless steel railings, gang planks, and posts Application of anti-skid paint at walkway on deck flooring using non-skid international paint 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" 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" Repair of Gang Plank and replacement of defective rollers and hinges lot lot lot pcs lot pcs lot pcs lot pcs lot pcs lot lot lot lot lot lot lot lo	Replacement of circuit breaker and weather proof aircon outlets Buffing to clear gloss of stainless steel railings, gang planks, and posts Application of anti-skid paint at walkway on deck flooring using non-skid international paint 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" x 20'-0" Angle bar, 8mm x 3" x 5" x 20'-0" Angle bar, 8mm x 3" x 5" x 20'-0" 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" Repair of Gang Plank and replacement of defective rollers and hinges lot lot lot pcs linear.ft. pcs lot lot lot lot lot lot lot lo	Removal & renewal of bulbs and housing Replacement of circuit breaker and weather proof aircon outlets Buffing to clear gloss of stainless steel railings, gang planks, and posts Application of anti-skid paint at walkway on deck flooring using non-skid international paint 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 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" 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" Repair of Gang Plank and replacement of defective rollers and hinges lot	Installation of new zinc anodes, 12 kgs. welded type (OWNERS SUPPLY) Removal & renewal of bulbs and housing Replacement of circuit breaker and weather proof aircon outlets Buffing to clear gloss of stainless steel railings, gang planks, and posts Application of anti-skid paint at walkway on deck flooring using non-skid international paint 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" 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" Repair of Gang Plank and replacement of defective rollers and hinges lot lot lot pcs. lot pcs. lot pcs. lot pcs. lot pcs. lot pcs. lot linear.ft. pcs. Repair of Gang Plank and replacement of defective rollers and hinges lot	Sweepblasting and painting of awning lot Installation of new zinc anodes, 12 kgs. welded type (OWNERS SUPPLY) pcs. Removal & renewal of bulbs and housing set Replacement of circuit breaker and weather proof aircon outlets Buffing to clear gloss of stainless steel railings, gang planks, and posts Application of anti-skid paint at walkway on deck flooring using non-skid international paint 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" MSPlate, 1/2" x 4" x 6" 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" Repair of Gang Plank and replacement of defective rollers and hinges lot lot lot pcs. Richard Tiges Supplies to the set of the set	Paint Thinner Sweepblasting and painting of awning Installation of new zinc anodes, 12 kgs. welded type (OWNERS SUPPLY) Removal & renewal of bulbs and housing Replacement of circuit breaker and weather proof aircon outlets Buffing to clear gloss of stainless steel railings, gang planks, and posts Application of anti-skid paint at walkway on deck flooring using non-skid international paint 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" MSPlate, 1/2" dia x 16" L 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 Pcs Solid "D" Type Rubber Fender, 4" w x 4" radius Pcs Iot Iot Iot Iot Materials: pcs pcs pcs pcs pcs pcs pcs lot Materials: Flat bar, 5/16" x 3" x 20' Solid "D" Type Rubber fender, 4" w x 4" radius pcs Interrit. pcs Iot Repair of Gang Plank and replacement of defective rollers and hinges Iot Iot Iot Iot Iot Iot Iot Io	Epoxy paint (top coat) Paint Thinner Sweepblasting and painting of awning Installation of new zinc anodes, 12 kgs. welded type (OWNERS SUPPLY) Removal & renewal of bulbs and housing Replacement of circuit breaker and weather proof aircon outlets Buffing to clear gloss of stainless steel railings, gang planks, and posts Application of anti-skid paint at walkway on deck flooring using non-skid international paint 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 Tiger Bronze Bushing, 1-1/4" x 20" MSPlate, 1/2" x 4" x 5" Angle bar, 8mm x 3" x 5" x 20'-0" Angle bar, 8mm x 3" x 5" x 20'-0" Rubber roller, 4" dia x 16" L 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" Repair of Gang Plank and replacement of defective rollers and hinges lot lot gals. gals. gals. gals. gals. gals. gals. gals. gals. lot lot lot constant walkway on deck flooring using lot pcs pcs pcs pcs pcs pcs pcs pc	Anti-fouting paint Epoxy paint (top coat) Paint Thinner Sweepblasting and painting of awning Installation of new zinc anodes, 12 kgs. welded type (OWNERS SUPPLY) Removal & renewal of bulbs and housing Replacement of circuit breaker and weather proof aircon outlets Buffing to clear gloss of stainless steel railings, gang planks, and posts Application of anti-skid paint at walkway on deck flooring using non-skid international paint 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" C/R Shafting, 3-1/2" x 2-1/2"L Tiger Bronze Bushing, 2" OD x 1" ID x 2"L Tiger Bronze Bushing, 2" x 5" x 20'-0" MSPlate, 1/2" x 4" x 5" Angle bar, 8mm x 3" x 5" x 20'-0" MSPlate, 1/2" x 4" x 5" Angle bar, 8mm x 3" x 5" x 20'-0" Rubber roller, 4" dia x 16" L 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" S/S Bolts & Nuts, 1/2" dia x 1-1/2" S/S Bolts & Nuts, 1/2" dia x 1-1/2" S/S Bolts & Nuts, 1/2" dia x 1-1/2" Solid "D" Type Rubber Fender, 4" w x 4" radius Repair of Gang Plank and replacement of defective rollers and hinges International paint gals. gal	Anti-corrosive Epoxy Paint Anti-fouling paint Epoxy paint (top coat) Paint Thinner Sweepblasting and painting of awning Paint Thinner Sweepblasting and painting of awning Installation of new zinc anodes, 12 kgs. welded type (OWNERS SUPPLY) Removal & renewal of bulbs and housing Removal & renewal of bulbs and housing Replication of anti-skid paint at walkway on deck flooring using non-skid international paint 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" S/S Bolts & Nuts, 1/2" dia x 20" MSPlate, 1/2" x 4" x 5" Angle bar, 8mm x 3" x 5" x 20"-0" Renewal of rubber fender (one side) Materials: Flat bar, 5/16" x 3" x 20' Repair of Gang Plank and replacement of defective rollers and hinges lot gals. lot hot lot lot Activation of anti-skid pinting, pcs. pcs pcs pcs pcs Lot Materials: Flat bar, 5/16" x 3" x 20' Solid "D" Type Rubber Fender, 4" w x 4" radius pcs linear.ft. gys Bolts & Nuts, 1/2" dia x 4-1/2" pcs lot Materials: lot lot lot lot lot lot lot lo

NO. 6 PONTOON BARGE PALACE 1

Mali	DESCRIPTION OF WORK	UNIT	QUANTITY	
N C				
3	(2)	(3)	(4)	
<u>ი</u>	Docking/Undocking including usage of 20 pcs. Docking blocks	barge	- \$	
ნ 	Layday Charges	day-barge	30	
တ သ	Scrape barnacles and other marine growths	sq. ft.	661	
ი 4	Conduct U.T. gauging	spots	50	
ტ ე	Provide (3) copies of shell expansion plan	sets		
6	Cleaning/de-rusting of void tanks and apply 2 coats of epoxy paint	ਰੂ		
	Material: Primer Epoxy Paint	gals	16	
6.7	Sandblasting:			
	a. Apply near white blasting on 20% of hull from Keel to Deckline	sq.ft.	151	
	b. Apply sand sweep blasting on 80% of hull from Keel to Deckline	sq.ft.	603	
6.8	Wirebrushing of maindeck flooring.	sq.ft.	385	
6.9	Application of paint on vessel including cradle post			
	Keel to Deck Load Line (3 coats)	sq.ft.	661	
	Deck Load Line to Deck Line (3 coats)	sq.ft.	92	
	Main Deck (2 coats)	sq.ft.	385	
	Vessel's Name	ot		-
	Draft Marks	ō		
	Cradle Post	ot	<u>_</u>	
	Materials:			
	Primer Epoxy Paint	gals.	ø	
	Anti-corrosive Epoxy Paint	gals.	9	
	Anti-fouling paint	gals.	თ	
	Epoxy paint (top coat)	gals.	7	
	Paint Thinner	gals.	7	
L				

		SUB-TOTAL FOR BILL NO. 6	SUB
>	lot	6.17 Repair of Gang Plank and replacement of defective rollers and hinges	6.1
6	pcs	Rubber roller, 4" dia x 16" L	
ω	pcs	Angle bar, 8mm x 3" x 5" x 20'-0"	
16	pcs	MSPlate, 1/2" x 4" x 5"	
œ	pcs	Tool Steel Shafting, 1-1/4" x 20"	
16	pcs	Tiger Bronze Bushing, 2" OD x 1" ID x 2"L	- <u></u>
 16	pcs	CR Shafting, 3-1/2" x 2-1/2"L	
64	pcs	S/S Bolts & Nuts, 1/2" dia x 4-1/2"	
		Materials:	
	oţ.	and angle bars	
		6.16 Renewal of rubber rollers and brackets using bushing type pillow blocks	6.1
_	iot	non-skid international paint	
		6.15 Application of anti-skid paint at walkway on deck flooring using	6. <u>1</u>
 	ō	6.14 Buffing to clear gloss of stainless steel railings, gang planks, and posts	6.1
_	ōţ.	6.13 Replacement of circuit breaker and weather proof outlets	6
ω	set	6.12 Removal & renewal of bulbs and housing	6.1
o	pcs.	6.11 Installation of new zinc anodes, 12 kgs. welded type (OWNERS SUPPLY)	<u>6</u>
1	lot	6.10 Sweepblasting and painting of awning	6.1

BILL NO. 7 PONTOON BARGE PALACE 2

)	
NO I	CHWCZ TION OF WOXX	2	COANTIT	
3	(2)	(3)	(4)	
7.1	Docking/Undocking including usage of 20 pcs. Docking blocks	barge		
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	_	
7.6	Cleaning/de-rusting of void tanks and apply 2 coats of epoxy paint	ōţ		
	Material: Primer Epoxy Paint	gals	1 6	
7.7	Sandblasting:			
	a. Apply near white blasting on 20% of hull from Keel to Deckline	sq.ft.	151	
	b. Apply sand sweep blasting on 80% of hull from Keel to Deckline	sq.ft.	603	
7.8	Wirebrushing of maindeck flooring.	sq.ft.	385	
7.9	Application of paint on vessel including cradle post			
	Keel to Deck Load Line (3 coats)	sq.ft.	661	
	Deck Load Line to Deck Line (3 coats)	sq.ft.	92	
	Main Deck (2 coats)	sq.ft.	385	
-	Vessel's Name	ōt		
	Draft Marks	তু		-
	Cradle Post	ᅙ		
	Materials:			
	Primer Epoxy Paint	gals.	ဖ	
	Anti-corrosive Epoxy Paint	gals.	9	
	Anti-fouling paint	gals.	თ	
	Epoxy paint (top coat)	gals.	7	
	Paint Thinner	gals.	7	

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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

RILL

NO. 8 TOWING/TUGBOAT SERVICES FOR PONTOON BARGES

(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)	TEM.	DESCRIPTION OF WORK	UNIT	QUANTITY	
(3) (or 6 day	<u>N</u>				
or 6 day	3	(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	တ	

BILL

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

ITEM	DESCRIPTION OF WORK	UNIT	QUANTITY		
Ņ O					
3	(2)	(3)	(4)		
10	Replacement of floating barriers on seven (7) pontoon landing barges				
	using 21" dia x 36" floater (enclosed with P.E. canvass material)				
	a. Pontoon Barge PSG	meters	54		
-	b. Pontoon Barge Mabini	meters	24	-	
<u>.</u>	c. Pontoon Barge Malago	meters	2		
	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	ō.	->		•
SUB-T	SUB-TOTAL FOR BILL NO. 9				
	TOTAL COST FOR BILL NO. 1-9				

SUMMARY

BILL No.	
1. Pontoon Barge NEB	•
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	•
Towing/Tugboat Services for Pontoon Barges	•
Replacement of Pontoon's Floating barriers and repainting of PCG's Boat	nd repainting of PCG's Boat -
House and landing	
GRAND TOTAL	