

PHILIPPINE COAST GUARD

RETROFITTING OF BRP CORREGIDOR (AE-891)

Government of the Republic of the Philippines

Sixth Edition July 2020

Table of Contents

	ary of Acronyms, Terms, and Abbreviations
Sectio	n I. Invitation to Bid6
Sectio	n II. Instructions to Bidders11
1.	11
2.	11
3.	11
4.	11
5.	11
6.	12
7.	12
8.	12
9.	12
10.	12
11.	13
12.	13
13.	14
14.	14
15.	14
16.	14
17.	15
18.	15
19.	15
20.	16
21.	16
	n III. Bid Data Sheet18
Sectio	n IV. General Conditions of Contract21
1.	21
2.	21
3.	21
4.	21
5.	22
6.	22
	n V. Special Conditions of Contract24
Sectio	n VI. Schedule of Requirements29
Sectio	n VII. Technical Specifications31
Sectio	n VIII. Checklist of Technical and Financial Documents35

Glossary of Acronyms, Terms, and Abbreviations

ABC – Approved Budget for the Contract.

BAC – Bids and Awards Committee.

Bid – A signed offer or proposal to undertake a contract submitted by a bidder in response to and in consonance with the requirements of the bidding documents. Also referred to as *Proposal* and *Tender*. (2016 revised IRR, Section 5[c])

Bidder – Refers to a contractor, manufacturer, supplier, distributor and/or consultant who submits a bid in response to the requirements of the Bidding Documents. (2016 revised IRR, Section 5[d])

Bidding Documents – The documents issued by the Procuring Entity as the bases for bids, furnishing all information necessary for a prospective bidder to prepare a bid for the Goods, Infrastructure Projects, and/or Consulting Services required by the Procuring Entity. (2016 revised IRR, Section 5[e])

BIR – Bureau of Internal Revenue.

BSP – Bangko Sentral ng Pilipinas.

Consulting Services – Refer to services for Infrastructure Projects and other types of projects or activities of the GOP requiring adequate external technical and professional expertise that are beyond the capability and/or capacity of the GOP to undertake such as, but not limited to: (i) advisory and review services; (ii) pre-investment or feasibility studies; (iii) design; (iv) construction supervision; (v) management and related services; and (vi) other technical services or special studies. (2016 revised IRR, Section 5[i])

CDA - Cooperative Development Authority.

Contract – Refers to the agreement entered into between the Procuring Entity and the Supplier or Manufacturer or Distributor or Service Provider for procurement of Goods and Services; Contractor for Procurement of Infrastructure Projects; or Consultant or Consulting Firm for Procurement of Consulting Services; as the case may be, as recorded in the Contract Form signed by the parties, including all attachments and appendices thereto and all documents incorporated by reference therein.

CIF – Cost Insurance and Freight.

CIP - Carriage and Insurance Paid.

CPI – Consumer Price Index.

DDP – Refers to the quoted price of the Goods, which means "delivered duty paid."

DTI – Department of Trade and Industry.

EXW - Ex works.

FCA – "Free Carrier" shipping point.

FOB – "Free on Board" shipping point.

Foreign-funded Procurement or Foreign-Assisted Project— Refers to procurement whose funding source is from a foreign government, foreign or international financing institution as specified in the Treaty or International or Executive Agreement. (2016 revised IRR, Section 5[b]).

Framework Agreement – Refers to a written agreement between a procuring entity and a supplier or service provider that identifies the terms and conditions, under which specific purchases, otherwise known as "Call-Offs," are made for the duration of the agreement. It is in the nature of an option contract between the procuring entity and the bidder(s) granting the procuring entity the option to either place an order for any of the goods or services identified in the Framework Agreement List or not buy at all, within a minimum period of one (1) year to a maximum period of three (3) years. (GPPB Resolution No. 27-2019)

GFI – Government Financial Institution.

GOCC – Government-owned and/or –controlled corporation.

Goods – Refer to all items, supplies, materials and general support services, except Consulting Services and Infrastructure Projects, which may be needed in the transaction of public businesses or in the pursuit of any government undertaking, project or activity, whether in the nature of equipment, furniture, stationery, materials for construction, or personal property of any kind, including non-personal or contractual services such as the repair and maintenance of equipment and furniture, as well as trucking, hauling, janitorial, security, and related or analogous services, as well as procurement of materials and supplies provided by the Procuring Entity for such services. The term "related" or "analogous services" shall include, but is not limited to, lease or purchase of office space, media advertisements, health maintenance services, and other services essential to the operation of the Procuring Entity. (2016 revised IRR, Section 5[r])

GOP – Government of the Philippines.

GPPB – Government Procurement Policy Board.

INCOTERMS – International Commercial Terms.

Infrastructure Projects – Include the construction, improvement, rehabilitation, demolition, repair, restoration or maintenance of roads and bridges, railways, airports, seaports, communication facilities, civil works components of information technology projects, irrigation, flood control and drainage, water supply, sanitation, sewerage and solid waste management systems, shore protection, energy/power and electrification facilities, national

buildings, school buildings, hospital buildings, and other related construction projects of the government. Also referred to as *civil works or works*. (2016 revised IRR, Section 5[u])

LGUs – Local Government Units.

NFCC – Net Financial Contracting Capacity.

NGA – National Government Agency.

PhilGEPS - Philippine Government Electronic Procurement System.

Procurement Project – refers to a specific or identified procurement covering goods, infrastructure projects or consulting services. A Procurement Project shall be described, detailed, and scheduled in the Project Procurement Management Plan prepared by the agency which shall be consolidated in the procuring entity's Annual Procurement Plan. (GPPB Circular No. 06-2019 dated 17 July 2019)

PSA – Philippine Statistics Authority.

SEC – Securities and Exchange Commission.

SLCC – Single Largest Completed Contract.

Supplier – refers to a citizen, or any corporate body or commercial company duly organized and registered under the laws where it is established, habitually established in business and engaged in the manufacture or sale of the merchandise or performance of the general services covered by his bid. (Item 3.8 of GPPB Resolution No. 13-2019, dated 23 May 2019). Supplier as used in these Bidding Documents may likewise refer to a distributor, manufacturer, contractor, or consultant.

UN – United Nations



Section I. Invitation to Bid

INVITATION TO BID FOR THE RETROFITTING OF BRP CORREGIDOR (AE-891)

- 1. The Philippine Coast Guard through the General Appropriations Fund for CY 2022 and CY 2023 intends to apply the total sum of Forty-Five Million One Hundred Twenty-Five Thousand One Hundred Twenty-Two and 60/100 Only (PhP45,125,122.60) being the total ABC to payments under the contract for the Retrofitting of BRP CORREGIOOR (AE-891). Bids received in excess of the ABC shall be automatically rejected at bid opening.
- 2. The Philippine Coast Guard now invites bids for the above Procurement Project. Delivery of the Goods is required based on the delivery schedule provided under Section VI (Schedule of Requirements) of this Bidding Documents commencing from the date of receipt of the Notice to Proceed. Bidders should have completed, within five (5) years from the date of submission and receipt of bids, a contract similar to the Project. The description of an eligible bidder is contained in the Bidding Documents, particularly, in Section II (Instructions to Bidders).
- 3. Bidding will be conducted through open competitive bidding procedures using a non-discretionary "pass/fail" criterion as specified in the 2016 revised Implementing Rules and Regulations (IRR) of Republic Act (RA) No. 9184.
 - Bidding is restricted to Filipino citizens/sole proprietorships, partnerships, or organizations with at least sixty percent (60%) interest or outstanding capital stock belonging to citizens of the Philippines, and to citizens or organizations of a country the laws or regulations of which grant similar rights or privileges to Filipino citizens, pursuant to RA No. 5183.
- 4. Interested bidders may obtain further information from the *Coast Guard Procurement Service* and inspect the Bidding Documents at the address given below from Monday to Friday during office hours 8:00 AM to 5:00 PM. except non-working days (i.e. Saturday and Sunday), legal holiday, or special non-working holiday, or other non-working days duly declared by the President, Governor, Mayor or other Government Official authorized to make such declaration.
- 5. A complete set of Bidding Documents may be acquired by interested Bidders on **04 August 2023 to 29 August 2023** from the given address and website(s) below and upon payment of the applicable fee for the Bidding Documents pursuant to the latest Guidelines issued by the GPPB in the amount of **Twenty-Five Thousand Pesos** (**PhP25,000**).

It may also be downloaded free of charge from the website of the Philippine Government Electronic Procurement System (PhilGEPS) and the website of the Procuring Entity, provided that Bidders shall pay the applicable fee for the Bidding Documents not later than the submission of their bids.

The Procuring Entity shall allow the bidder to present its proof of payment for the fees *in person or through email*

- 6. The *Philippine Coast Guard* will hold a Pre-Bid Conference **14 August 2023, 01:00 PM** at the National Headquarters Philippine Coast Guard (NHQ-PCG) Conference Room, 2F Admin Building, 139 25th Street. Port Area, Manila 1018 which shall be open to prospective bidders.
- 7. Bids must be duly received by the BAC Secretariat through manual submission at the office address indicated below on or before **29 August 2023, 01:00 PM**. Late bids shall not be accepted.
- 8. All Bids must be accompanied by a bid security in any of the acceptable forms and in the amount stated in **ITB** Clause 14.
- 9. Bid opening shall be on **29 August 2023, 01:00 PM onwards** at the given address below at the **National Headquarters Philippine Coast Guard (NHQ-PCG) Conference Room, 2F Admin Building, 139 25th Street, Port Area, 1018 Manila**, Bids will be opened in the presence of the bidders' representatives who choose to attend the activity.
- 10. Bidders shall bear all costs associated with the preparation and submission of their bids, and the Philippine Coast Guard will, in no case, be responsible or liable for those costs, regardless of the conduct or outcome of the bidding process.

Bidders should note that the Philippine Coast Guard will accept bids only from those that have paid the applicable fee for the Bidding Documents.

The Philippine Coast Guard assumes no responsibility whatsoever to compensate or indemnify bidders for any expenses incurred in the preparation of their bids.

In accordance with Government Procurement Policy Board (GPPB) Circular 06-2005 - Tie-Breaking Method, the Bids and Awards Committee (BAC) shall use a non-discretionary and non-discriminatory measure based on sheer luck or chance, which is "DRAW LOTS," in the event that two (2) or more bidders have been post-qualified and determined as the bidder having the Lowest Calculated Responsive Bid (LCRB) to determine the final bidder having the LCRB, based on the following procedures:

- a) In alphabetical order, the bidders shall pick one rolled paper.
- b) The lucky bidder who would pick the paper with a "CONGRATULATIONS" remark shall be declared as the final bidder having the LCRB and recommended for award of the contract.
- 11. The Philippine Coast Guard reserves the right to reject any and all bids, declare a failure of bidding, or not award the contract at any time prior to contract award in accordance with Sections 35.6 and 41 of the 2016 revised IRR of RA No. 9184, without thereby incurring any liability to the affected bidder or bidders.
- 12. For further information, please refer to:

CG CDR BENEDICTO C BARTOLOME

Commander, Coast Guard Procurement Service Coast Guard Procurement Service National Headquarters Philippine Coast Guard

139 25th Street, Port Are, South Harbor, 1018 Manila

Contact Number: (+63) 967 249 1551 or (+63) 949 829 2292
Email Address: procurement@coastguard.gov.ph

13. You may visit the following websites:

For downloading of Bidding Documents: www.philgeps.gov.ph and www.coastguard.gov.ph

(04 August 2023)

CG COMMO JOEVEN L FABUL
BAC Chairperson



Section II. Instructions to Bidders

1. Scope of Bid

The Procuring Entity, Philippine Coast Guard wishes to receive Bids for **Retrofitting** of **BRP CORREGIDOR** (AE-891) with identification number <u>IB No. 2023-013.</u>

The Procurement Project (referred to herein as "Project") is composed of one (1) lot the details of which are described in Section VII (Technical Specifications).

2. Funding Information

- 2.1. The GOP through the source of funding as indicated below for General Appropriations Fund for CY 2022 and CY2023 in the amount of *Forty-Five Million One Hundred Twenty-Five Thousand One Hundred Twenty-Two and 60/10 Only (PhP45,125,122.60)*.
- 2.2. The source of funding is the General Appropriations Act.

3. Bidding Requirements

The Bidding for the Project shall be governed by all the provisions of RA No. 9184 and its 2016 revised IRR, including its Generic Procurement Manuals and associated policies, rules and regulations as the primary source thereof, while the herein clauses shall serve as the secondary source thereof.

Any amendments made to the IRR and other GPPB issuances shall be applicable only to the ongoing posting, advertisement, or **IB** by the BAC through the issuance of a supplemental or bid bulletin.

The Bidder, by the act of submitting its Bid, shall be deemed to have verified and accepted the general requirements of this Project, including other factors that may affect the cost, duration and execution or implementation of the contract, project, or work and examine all instructions, forms, terms, and project requirements in the Bidding Documents.

4. Corrupt, Fraudulent, Collusive, and Coercive Practices

The Procuring Entity, as well as the Bidders and Suppliers, shall observe the highest standard of ethics during the procurement and execution of the contract. They or through an agent shall not engage in corrupt, fraudulent, collusive, coercive, and obstructive practices defined under Annex "I" of the 2016 revised IRR of RA No. 9184 or other integrity violations in competing for the Project.

5. Eligible Bidders

- 5.1. Only Bids of Bidders found to be legally, technically, and financially capable will be evaluated.
- 5.2. Foreign ownership limited to those allowed under the rules may participate in this Project.

5.3. Pursuant to Section 23.4.1.3 of the 2016 revised IRR of RA No.9184, the Bidder shall have an SLCC that is at least one (1) contract similar to the Project the value of which, adjusted to current prices using the PSA's CPI, must be at least equivalent to at least fifty percent (50%) of the ABC, with details as follows:

DESCRIPTION	MINIMUM AMOUNT OF THE SLCC
Retrofitting of BRP CORREGIDOR (AE-891)	PhP 22,562,561.30

5.4. The Bidders shall comply with the eligibility criteria under Section 23.4.1 of the 2016 IRR of RA No. 9184.

6. Origin of Goods

There is no restriction on the origin of goods other than those prohibited by a decision of the UN Security Council taken under Chapter VII of the Charter of the UN, subject to Domestic Preference requirements under **ITB** Clause 18.

7. Subcontracts

- 7.1. The Bidder may subcontract portions of the Project to the extent allowed by the Procuring Entity as stated herein, but in no case more than twenty percent (20%) of the Project.
- 7.2. The Procuring Entity has prescribed that Subcontracting is not allowed.

8. Pre-Bid Conference

The Procuring Entity will hold a pre-bid conference for this Project on the specified date and time at its physical address located at the Philippine Coast Guard Conference Room, 2F Admin Building, 139, 25th St., Port Area, 1018 Manila as indicated in paragraph 6 of the **IB**.

9. Clarification and Amendment of Bidding Documents

Prospective bidders may request for clarification on and/or interpretation of any part of the Bidding Documents. Such requests must be in writing and received by the Procuring Entity, either at its given address or through electronic mail indicated in the **IB**, at least ten (10) calendar days before the deadline set for the submission and receipt of Bids.

10. Documents comprising the Bid: Eligibility and Technical Components

10.1. The first envelope shall contain the eligibility and technical documents of the Bid as specified in **Section VIII** (Checklist of Technical and Financial **Documents**).

- 10.2. The Bidder's SLCC as indicated in **ITB** Clause 5.3 should have been completed within **five** (5) **years** prior to the deadline for the submission and receipt of bids.
- 10.3. If the eligibility requirements or statements, the bids, and all other documents for submission to the BAC are in foreign language other than English, it must be accompanied by a translation in English, which shall be authenticated by the appropriate Philippine foreign service establishment, post, or the equivalent office having jurisdiction over the foreign bidder's affairs in the Philippines. Similar to the required authentication above, for Contracting Parties to the Apostille Convention, only the translated documents shall be authenticated through an apostille pursuant to GPPB Resolution No. 13-2019 dated 23 May 2019. The English translation shall govern, for purposes of interpretation of the bid.

11. Documents comprising the Bid: Financial Component

- 11.1. The second bid envelope shall contain the financial documents for the Bid as specified in **Section VIII** (Checklist of Technical and Financial Documents).
- 11.2. If the Bidder claims preference as a Domestic Bidder or Domestic Entity, a certification issued by DTI shall be provided by the Bidder in accordance with Section 43.1.3 of the 2016 revised IRR of RA No. 9184.
- 11.3. Any bid exceeding the ABC indicated in paragraph 1 of the **IB** shall not be accepted.
- 11.4. For Foreign-funded Procurement, a ceiling may be applied to bid prices provided the conditions are met under Section 31.2 of the 2016 revised IRR of RA No. 9184.

12. Bid Prices

- 12.1. Prices indicated on the Price Schedule shall be entered separately in the following manner:
 - a. For Goods offered from within the Procuring Entity's country:
 - i. The price of the Goods quoted EXW (ex-works, ex-factory, ex-warehouse, ex-showroom, or off-the-shelf, as applicable);
 - ii. The cost of all customs duties and sales and other taxes already paid or payable;
 - iii. The cost of transportation, insurance, and other costs incidental to delivery of the Goods to their final destination; and
 - iv. The price of other (incidental) services, if any, listed in e.
 - b. For Goods offered from abroad:

- i. Unless otherwise stated in the **BDS**, the price of the Goods shall be quoted delivered duty paid (DDP) with the place of destination in the Philippines as specified in the **BDS**. In quoting the price, the Bidder shall be free to use transportation through carriers registered in any eligible country. Similarly, the Bidder may obtain insurance services from any eligible source country.
- ii. The price of other (incidental) services, if any, as listed in **Section VII (Technical Specifications).**

13. Bid and Payment Currencies

- 13.1. For Goods that the Bidder will supply from outside the Philippines, the bid prices may be quoted in the local currency or tradeable currency accepted by the BSP at the discretion of the Bidder. However, for purposes of bid evaluation, Bids denominated in foreign currencies, shall be converted to Philippine currency based on the exchange rate as published in the BSP reference rate bulletin on the day of the bid opening.
- 13.2. Payment of the contract price shall be made in Philippine Pesos.

14. Bid Security

- 14.1. The Bidder shall submit a Bid Securing Declaration or any form of Bid Security in the amount indicated in the **BDS**, which shall be not less than the percentage of the ABC in accordance with the schedule in the **BDS**.
- 14.2. The Bid and bid security shall be valid for one hundred twenty (120) calendar days from the date of the Opening and Preliminary Examination of Bids. Any Bid not accompanied by an acceptable bid security shall be rejected by the Procuring Entity as non-responsive.

15. Sealing and Marking of Bids

Each Bidder shall submit one copy of the first and second components of its Bid.

The Procuring Entity may request additional hard copies and/or electronic copies of the Bid. However, failure of the Bidders to comply with the said request shall not be a ground for disqualification.

If the Procuring Entity allows the submission of bids through online submission or any other electronic means, the Bidder shall submit an electronic copy of its Bid, which must be digitally signed. An electronic copy that cannot be opened or is corrupted shall be considered non-responsive and, thus, automatically disqualified.

16. Deadline for Submission of Bids

16.1. The Bidders shall submit on the specified date and time and either at its physical address or through online submission as indicated in paragraph 7 of the **IB**.

17. Opening and Preliminary Examination of Bids

17.1. The BAC shall open the Bids in public at the time, on the date, and at the place specified in paragraph 9 of the **IB**. The Bidders' representatives who are present shall sign a register evidencing their attendance. In case videoconferencing, webcasting or other similar technologies will be used, attendance of participants shall likewise be recorded by the BAC Secretariat.

In case the Bids cannot be opened as scheduled due to justifiable reasons, the rescheduling requirements under Section 29 of the 2016 revised IRR of RA No. 9184 shall prevail.

17.2. The preliminary examination of bids shall be governed by Section 30 of the 2016 revised IRR of RA No. 9184.

18. Domestic Preference

18.1. The Procuring Entity will grant a margin of preference for the purpose of comparison of Bids in accordance with Section 43.1.2 of the 2016 revised IRR of RA No. 9184.

19. Detailed Evaluation and Comparison of Bids

- 19.1. The Procuring BAC shall immediately conduct a detailed evaluation of all Bids rated "passed," using non-discretionary pass/fail criteria. The BAC shall consider the conditions in the evaluation of Bids under Section 32.2 of the 2016 revised IRR of RA No. 9184.
- 19.2. If the Project allows partial bids, bidders may submit a proposal on any of the lots or items, and evaluation will be undertaken on a per lot or item basis, as the case may be. In this case, the Bid Security as required by **ITB** Clause 15 shall be submitted for each lot or item separately.
- 19.3. The descriptions of the lots or items shall be indicated in **Section VII** (**Technical Specifications**), although the ABCs of these lots or items are indicated in the **BDS** for purposes of the NFCC computation pursuant to Section 23.4.2.6 of the 2016 revised IRR of RA No. 9184. The NFCC must be sufficient for the total of the ABCs for all the lots or items participated in by the prospective Bidder.
- 19.4. The Project shall be awarded as One Project having several items that shall be awarded as one contract.
- 19.5. Except for bidders submitting a committed Line of Credit from a Universal or Commercial Bank in lieu of its NFCC computation, all Bids must include the NFCC computation pursuant to Section 23.4.1.4 of the 2016 revised IRR of RA No. 9184, which must be sufficient for the total of the ABCs for all the lots or items participated in by the prospective Bidder. For bidders submitting the committed Line of Credit, it must be at least equal to ten percent (10%) of the ABCs for all the lots or items participated in by the prospective Bidder.

20. Post-Qualification

20.1. Within a non-extendible period of five (5) calendar days from receipt by the Bidder of the notice from the BAC that it submitted the Lowest Calculated Bid, the Bidder shall submit its latest income and business tax returns filed and paid through the BIR Electronic Filing and Payment System (eFPS) and other appropriate licenses and permits required by law and stated in the **BDS**.

21. Signing of the Contract

21.1. The documents required in Section 37.2 of the 2016 revised IRR of RA No. 9184 shall form part of the Contract. Additional Contract documents are indicated in the **BDS**.



Section III. Bid Data Sheet

Bid Data Sheet

ITB Clause	
5.3	For this purpose, contracts similar to the Project shall be:
	a. Retrofitting, Dry-docking and Repair services.
	b. Completed within five (5) years prior to the deadline for the submission and receipt of bids.
7.1	No portion of the contract shall be subcontracted.
12	The price of the Goods shall be quoted DDP <i>Coast Guard Fleet, Pier 13, South Harbor, Port Area, Manila</i> or the applicable International Commercial Terms (INCOTERMS) for this Project.
14.1	The bid security shall be in the form of a Bid Securing Declaration, or any of the following forms and amounts: a. The amount of not less than to two percent (2%) of ABC or PhP902,502.45, if bid security is in cash, cashier's/manager's check, bank draft/guarantee or irrevocable letter of credit; or b. The amount of not less than to five percent (5%) of ABC or PhP2,256,256.13 if bid security is in Surety Bond.

19.3	Partial bid is not allowed. The goods are grouped in a single lot and the lot shall not be divided into sub-lots for the purpose of bidding, evaluation, and contract award. The Project shall be awarded as One Project having several items that shall be awarded as one contract. In all cases, the NFCC computation, if applicable, must be sufficient for all the lot or contracts to be awarded to the Bidder. Description Unit Qty Minimum Amount of NFCC						
	Retrofitting of BRP CORREGIDOR (AE-891) 1 Lot Php 45,125,122.60						
20.2	<u> </u>	ndible p	•	CB) or Single Calculated Bid (SCB) ive (5) calendar days from the BAC			
	 Latest income and business tax returns filed and paid through the BIR Electronic Filing and Payment System (eFPS); In accordance with Executive Order (E.O.) No. 398, Revenue Regulation (R.R.) No. 03-2005 and Revenue Memorandum Circular (RMC) 16 – 2005, the abovementioned tax returns shall refer to the following: 1.1. Latest Income Tax Return (ITR) shall be the ITR for the preceding year, whether calendar or fiscal, and 1.2. Latest Business Tax Returns shall refer to the Value Added Tax (VAT) or Percentage Tax filed and paid covering the previous six (6) months before the date of Submission, Receipt, Opening & Preliminary Examination of Bids. 						
21.2	forms of provided under Section Regulations (IRR) of Republic	on 39.2 o ic Act onsive E	of the 201 (R.A.) No Bid shall s	e Security in any of the allowable 6 Revised Implementing Rules and o. 9184, the bidder having the submit a Certificate of No Pending of the Notice of Award (NOA).			



Section IV. General Conditions of Contract

1. Scope of Contract

This Contract shall include all such items, although not specifically mentioned, that can be reasonably inferred as being required for its completion as if such items were expressly mentioned herein. All the provisions of RA No. 9184 and its 2016 revised IRR, including the Generic Procurement Manual, and associated issuances, constitute the primary source for the terms and conditions of the Contract, and thus, applicable in contract implementation. Herein clauses shall serve as the secondary source for the terms and conditions of the Contract.

This is without prejudice to Sections 74.1 and 74.2 of the 2016 revised IRR of RA No. 9184 allowing the GPPB to amend the IRR, which shall be applied to all procurement activities, the advertisement, posting, or invitation of which were issued after the effectivity of the said amendment.

Additional requirements for the completion of this Contract shall be provided in the **Special Conditions of Contract (SCC).**

2. Advance Payment and Terms of Payment

- 2.1. Advance payment of the contract amount is provided under Annex "D" of the revised 2016 IRR of RA No. 9184.
- 2.2. The Procuring Entity is allowed to determine the terms of payment on the partial or staggered delivery of the Goods procured, provided such partial payment shall correspond to the value of the goods delivered and accepted in accordance with prevailing accounting and auditing rules and regulations. The terms of payment are indicated in the **SCC**.

3. Performance Security

Within ten (10) calendar days from receipt of the Notice of Award by the Bidder from the Procuring Entity but in no case later than prior to the signing of the Contract by both parties, the successful Bidder shall furnish the performance security in any of the forms prescribed in Section 39 of the 2016 revised IRR of RA No. 9184.

4. Inspection and Tests

The Procuring Entity or its representative shall have the right to inspect and/or to test the Goods to confirm their conformity to the Project specifications at no extra cost to the Procuring Entity in accordance with the Generic Procurement Manual. In addition to tests in the SCC, Section IV (Technical Specifications) shall specify what inspections and/or tests the Procuring Entity requires, and where they are to be conducted. The Procuring Entity shall notify the Supplier in writing, in a timely manner, of the identity of any representatives retained for these purposes.

All reasonable facilities and assistance for the inspection and testing of Goods, including access to drawings and production data, shall be provided by the Supplier to the authorized inspectors at no charge to the Procuring Entity.

5. Warranty

- 5.1. In order to assure that manufacturing defects shall be corrected by the Supplier, a warranty shall be required from the Supplier as provided under Section 62.1 of the 2016 revised IRR of RA No. 9184.
- 5.2. The Procuring Entity shall promptly notify the Supplier in writing of any claims arising under this warranty. Upon receipt of such notice, the Supplier shall, repair or replace the defective Goods or parts thereof without cost to the Procuring Entity, pursuant to the Generic Procurement Manual.

6. Liability of the Supplier

The Supplier's liability under this Contract shall be as provided by the laws of the Republic of the Philippines.

If the Supplier is a joint venture, all partners to the joint venture shall be jointly and severally liable to the Procuring Entity.



Section V. Special Conditions of Contract

Special Conditions of Contract

GCC Clause	
	Delivery and Documents –
	For purposes of the Contract, "EXW," "FOB," "FCA," "CIF," "CIP," "DDP" and other trade terms used to describe the obligations of the parties shall have the meanings assigned to them by the current edition of INCOTERMS published by the International Chamber of Commerce, Paris. The Delivery terms of this Contract shall be as follows:
	For Goods supplied from abroad:
	The delivery terms applicable to the Contract are DDP delivered aboard Coast Guard Surface Support Force, Pier 13, South Harbor, Port Area, Manila. In accordance with INCOTERMS."
	For Goods supplied from within the Philippines: The delivery terms applicable to this Contract are delivered aboard Coast Guard Surface Support Force, Pier 13, South Harbor, Port Area, Manila. Risk and title will pass from the Supplier to the Procuring Entity upon receipt and final acceptance of the Goods at their final destination."
	Delivery of the Goods shall be made by the Supplier in accordance with the terms specified in Section VI (Schedule of Requirements).
	For purposes of this Clause the Procuring Entity's Representative at the Project Site is:
	CG CAPT LAUREL PAUL N MARIANO JR (ASC)
	Deputy Chief of Coast Guard Staff for Ships and Aircraft Engineering, CG-10
	Philippine Coast Guard
	161 A Port Area Bonifacio Drive, 652 Zone 068, Manila, 1018 Metro Manila
	Email: cg10@coastguard.gov.ph
	Contact Number: (+63)917-84-250-5038

Packaging –
The Supplier shall provide such packaging of the Goods as is required to prevent their damage or deterioration during transit to their final destination, as indicated in this Contract. The packaging shall be sufficient to withstand, without limitation, rough handling during transit and exposure to extreme temperatures, salt and precipitation during transit, and open storage. Packaging case size and weights shall take into consideration, where appropriate, the remoteness of the Goods' final destination and the absence of heavy handling facilities at all points in transit.
The packaging, marking, and documentation within and outside the packages shal comply strictly with such special requirements as shall be expressly provided for in the Contract, including additional requirements, if any, specified below, and in any subsequent instructions ordered by the Procuring Entity.
The outer packaging must be clearly marked on at least four (4) sides as follows:
Name of the Procuring Entity
Name of the Supplier
Contract Description
Final Destination
Gross weight
Any special lifting instructions
Any special handling instructions
Any relevant HAZCHEM classifications
A packaging list identifying the contents and quantities of the package is to be placed on an accessible point of the outer packaging if practical. If not practical the packaging list is to be placed inside the outer packaging but outside the secondary packaging.
Transportation –

Where the Supplier is required under Contract to deliver the Goods CIF, CIP, or DDP, transport of the Goods to the port of destination or such other named place of destination in the Philippines, as shall be specified in this Contract, shall be arranged and paid for by the Supplier, and the cost thereof shall be included in the Contract Price.

Where the Supplier is required under this Contract to transport the Goods to a specified place of destination within the Philippines, defined as the Project Site, transport to such place of destination in the Philippines, including insurance and storage, as shall be specified in this Contract, shall be arranged by the Supplier, and related costs shall be included in the contract price.

Where the Supplier is required under Contract to deliver the Goods CIF, CIP or DDP, Goods are to be transported on carriers of Philippine registry. In the event that no carrier of Philippine registry is available, Goods may be shipped by a carrier which is not of Philippine registry provided that the Supplier obtains and presents to the Procuring Entity certification to this effect from the nearest Philippine consulate to the port of dispatch. In the event that carriers of Philippine registry are available but their schedule delays the Supplier in its performance of this Contract the period from when the Goods were first ready for shipment and the actual date of shipment the period of delay will be considered force majeure.

The Procuring Entity accepts no liability for the damage of Goods during transit other than those prescribed by INCOTERMS for DDP deliveries. In the case of Goods supplied from within the Philippines or supplied by domestic Suppliers risk and title will not be deemed to have passed to the Procuring Entity until their receipt and final acceptance at the final destination.

Intellectual Property Rights -

The Supplier shall indemnify the Procuring Entity against all third-party claims of infringement of patent, trademark, or industrial design rights arising from use of the Goods or any part thereof.

2.2

The terms of payment shall be as follows:

- No advance payment is allowed.
- Payment shall be made upon delivery of every items ordered upon submission of the invoices describing the goods delivered, subject to accounting and auditing rules and procedures

Payment shall be provided based on the following schedule:

99% of the costs of the items completely delivered per lot subject to the Philippine Coast Guard's acceptance [Issuance of the Inspection and Acceptance Report (IAR)] in writing and all conditions of the contract are complied with.

1% Retention of the items delivered to be paid after three (3) months from the formal acceptance (issuance of the IAR), if and when no patent and latent defects are noted (issuance of a Certificate of No Patent and Latent Defects).

OR

100% of the costs of the items completely delivered per lot that the goods supplied are free from patent and latent defects and all conditions imposed under the contract have been fully met; subject to the Philippine Coast Guard's acceptance (issuance of the IAR) in writing of the items described in this Contract and upon submission of a Special Bank Guarantee equivalent to at least one percent (1%) of the total contract price valid for three (3) months from issuance of the IAR.

- 4 The inspections and tests that will be conducted are follows:
 - The inspection and test shall be conducted at the Coast Guard Surface Support Force, Pier 13, South Harbor, Port Area, Manila by the end-user and the Technical Inspection and Acceptance Committee (TIAC).
 - Only items in conformity with the required quantity and technical specifications shall be accepted.
 - The Procuring Entity may reject any goods or any part thereof that fail to pass any test and/or inspection or do not conform to the specifications. The supplier should either rectify or replace such rejected goods or parts thereof or make alterations necessary to meet the specifications at no cost to the Procuring Entity, and shall repeat the test and/or inspection, at no cost to the Procuring Entity, upon giving a notice pursuant to the contract.



Section VI. Schedule of Requirements

The delivery schedule expressed as weeks/months stipulates hereafter a delivery date which is the date of delivery to the project site.

Item Number	Description	Quantity	Total	Delivered, Weeks/Months
1	RETROFITTING OF BRP CORREGIDOR (AE-891)	1	Lot	The total number of days of delivery shall not exceed One Hundred Twenty (120) calendar days upon receipt of NTP



Section VII. Technical Specifications

Name o	f Project: Retrofitting of BRP COF	RREGIDOF	R (AE-891)	
Require	ements			
	Description	QTY	UNIT	Statement of Compliance:
				Brand Offered:
DF	RYDOCKING WORKS			
1	Docking and Undocking (1 occasion)	1	occasion	
2	Dock Preparation and Block Arrangement			
	Hull Keel Block 28 blocks	28	/set	
	Hull Side Block Port & Stbd 28 blocks	28	/set	
3	Re-arranging/shifting blocks due to replating works.			
	Removal of Blocks 56 blocks	56	/set	
	Relocation of Block 56 blocks	56	/set	
	Installation of Shoring Post 2 pcs	2	/set	
4	Drydock lay days rental, 100 days	100	days	
5	Mooring and Unmooring - arrival, docking, undock, depart	4	/move	
6	Gangway for access during vessel stay at yard 2 times	2	unit/time	
7	Wharfage - to provide berth side for afloat 10 days	10	/day	
8	VESSEL MOVEMENT AND SECURING			
	Provide tugboat services assistance during: Vessel Movement (Arrival, Docking, Undocking/ Shipside, Sea trial, Departure)	1	lot	
	NERAL RVICES/MISCELLANEOUS			
1	Provide following:			
	Safety Firewatch - SOP, 100 days	100	/day	

2	Fire line Supply (SOP)	•		
	Connect and disconnect,	2	time	
	Daily maintained pressure supply, for 100 days	100	days	
	Security Guard - SOP, 100 days	100	/day	
	Garbage Disposal, @ 5tons per month 15 tons	15	cu.m	
	Gas Free Inspection , assume 50 occasion 4 tanks 50 occasion	200	/day	
3	Disposal waste and contaminated oil with issued certificate	15	/tons	
	Scaffolding / Staging			
	2 mW x 6 mH 56 mL 2 sets 1559.04 cu.m - Hull staging mW x 6 mH 56 mL 2 sets	1559.04	cu.m	
	2 mW x 6 mH 10 mL 1 sets 132 cu.m – Propulsion mW x 6 mH 10 mL 1 sets	132	cu.m	
	Yard's Equipment Usage			
	a) Forklift usage, 50 unit/hrs	50	unit/hr	
	b) Crane usage - up to 25T, 50 unit/hrs	50	unit/hr	
	Crane Mobilization/demobilization 1 unit/hrs	1	mob/demo b	
	c) Scissor Lift for blasting and painting access 15 unit/hrs	15	unit/hr	
	d) Cherry picker for blasting and painting access 15 unit/hrs	15	unit/hr	
DO	CK HANDS			
1	Range down and restow of anchor and anchor chain P/S side.	2	/set/s	
	Laydown of anchor and anchor chain at floor P/S side.			
	Disconnect / reconnect bitter ends.	2	per set	
	Calibrate anchor chain and submit result to owner rep.	2	/set/s	
2	Supply of fresh water (Assume)	50	tons	

	- Connect / disconnect	1	line	
3	Engine Bilge			
	- High Pressure wash.	25	sq.m	
	- Pump-out	3.27	tons	
	- Connect / disconnect.	1	time	
	- Clean-up and wipe dry.	3.78	cu.m	
	- Conduct chipping & sanding	25	sq.m	
	1FC Anti Corrosive	25	sq.m	
	1FC Top Coat	25	sq.m	
	- Supply of Paints to be supplied by Shipyard for 2coats system	50	sq.m	
4	Steering Room			
	- High Pressure wash.	45	sq.m	
	- Pump-out	10	tons	
	- Connect / disconnect.	1	time	
	- Clean-up and wipe dry.	45	cu.m	
	- Conduct chipping & sanding	45	sq.m	
	1FC Anti Corrosive	45	sq.m	
	1FC Top Coat	45	sq.m	
	- Supply of Paints to be supplied by Shipyard for 2coats system	90	sq.m	
5	Forward Pump Room:			
	- Conduct cleaning, chipping, sanding and apply two (2) coats high performance paint			
	- Clean-up and wipe dry.	50	cu.m	
	- Conduct chipping & sanding	50	sq.m	
	1FC Anti Corrosive	50	sq.m	
	1FC Top Coat	50	sq.m	
	- Supply of Paints to be supplied by Shipyard for 2coats system	100	sq.m	
6	Void Tank located at Armory			
	 Void Tank located at Armory - conduct cleaning, chipping, sanding, and 			
	apply two (2) coats high performance paint			
	- Clean-up and wipe dry.	50	cu.m	
	- Conduct chipping & sanding	50	sq.m	
	1FC Anti Corrosive	50	sq.m	

	1FC Top Coat	50	sq.m	
	- Supply of Paints to be supplied by Shipyard for 2coats system	100	sq.m	
7	Forepeak Tank			
	- Conduct cleaning, chipping, sanding, and apply two (2) coats high performance paint			
	- Clean-up and wipe dry.	22.63	cu.m	
	- Conduct chipping & sanding	22.63	sq.m	
	1FC Anti Corrosive	22.63	sq.m	
	1FC Top Coat	22.63	sq.m	
	- Supply of Paints to be supplied by Shipyard for 2coats system	45.26	sq.m	
8	Aft Peak Tank			
	- Bailing-out of existing hydraulic oil, clean with soap and apply pressurized washing			
	- Bail out mud and existing hydraulic oil/dirty oil	2	tons	
	- Clean with soap and degreasing of tanks.	30	sq.m	
	- High pressure wash entire tank	30	sq.m	
	- Clean-up and wipe dry.	30	cu.m	
9	Chain locker room			
	- Conduct cleaning, chipping, sanding, and apply two (2) coats high performance paint			
	- Clean-up and wipe dry.	4	cu.m	
	- Conduct chipping & sanding	4	sq.m	
	1FC Anti Corrosive	4	sq.m	
	1FC Top Coat	4	sq.m	
	- Supply of Paints to be supplied by Shipyard for 2coats system	8	sq.m	
	ECTRICAL / ELECTRONIC			
	Share line Bower			
1	Shore line Power	4	1inn c	
	Connect and disconnect	1	time	
	Electrical power consumption , assume; 9,000 kw-hrs	9000	/kwh	
2	Temporary Lighting - 90 days 4 units	360	/day	

3	Electrical Megger Testing			
	0- 25 KW	10	unit/test	
	26 KW- 50 KW	20	unit/test	
	51KW-100KW	2	unit/test	
	101 KW- 500 KW	2	unit/test	
4	Ventilation / Blower, 60	120	unit/day	
	days 2 units			
5	Installation of Marine Growth Prevention System	1	lot	
	Check Marine Cathodic system and inspect operational system			
	Renew all damaged parts rectify all grounding system and terminate new Cathodic system			
	Check and test cathodic system, ensure line continuity.			
6	Repair of Steering control system (P/S)	1	lot	
	Check the steering systems to			
	locate fault.			
	Troubleshoot the control			
	systems, manually trace the signal or command			
	to the steering, adjust the feedback unit, adjust and calibrate the signal			
	from non-follow unit and follow up unit.			
	Megger test the electric motor drive of power pack.			
	Set the steering blade into zero position and to maximum at port and Stbd			
	Set and calibrate the indicator to zero position.			
	Overhaul the steering motor at port and stbd side.			
	Layout the power cable. Connect the power supply and test.			
	Renew the defective steering monitor with brand new BW144			
	Standard Analog Variant 0- 240deg., Standard Pointer, CW Analog			
	angle 295129002005 Part number 295129002005 BW144			

Refurbishment, Rewiring, Repair/Renew Doors/and Door knobs, Replacement of Lights/ outlet, and Repair Damage Bunks, Cabinets, Tables, Chairs, Walling's, Floorings, Ceilings and Stairways of the followings: 1 Wheel House areas			
Refurbishment, Cleaning, derusting, chip off rust & wipe it dry & paint.			
Bail-out mud	3	cu.m	
Clean & Wipe Dry	1	lot	
Internal sanding & disc grinding	23.1	sq.m	
Repainting of Wheel House internals- 1 coat Epoxy anti-corrosive	23.1	m²/coat	
Repainting of Wheel House internals- 1 coat Epoxy anti-corrosive	23.1	m²/coat	
Repainting of Wheel House internals- 1 coat Epoxy top coat paints	23.1	m²/coat	
Repainting of Wheel House internals- 1 coat Epoxy top coat paints	23.1	m²/coat	
Yard supply paints & thinners for 2coat systems, 157m ²	46.2	m²/coat	
Carpentry works	23.1	sq.m	
2 Chart Space areas			
Refurbishment, Cleaning, derusting, chip off rust & wipe it dry & paint.			
Bail-out mud	1	cu.m	
Clean & Wipe Dry	1	lot	
Internal sanding & disc grinding	2	sq.m	
Repainting of Chart Space internals- 1 coat Epoxy anti-corrosive	2	m²/coat	
Repainting of Chart Space internals- 1 coat Epoxy anti-corrosive	2	m²/coat	
Repainting of Chart Space internals- 1 coat Epoxy top coat paints	2	m²/coat	

	Repainting of Chart Space internals- 1 coat Epoxy top coat paints	2	m²/coat	
	Yard supply paints & thinners for 2coat systems, 57m ²	4	m²/coat	
	Carpentry works	2	sq.m	
3	C/M (1) areas,			
	Refurbishment, Cleaning, derusting, chip off rust & wipe it dry & paint.			
	Bail-out mud	1	cu.m	
	Clean & Wipe Dry	1	lot	
	Internal sanding & disc grinding	6.5	sq.m	
	Repainting of C/M (1) internals- 1 coat Epoxy anti-corrosive	6.5	m²/coat	
	Repainting of C/M (1) internals- 1 coat Epoxy anti-corrosive	6.5	m²/coat	
	Repainting of C/M (1) internals- 1 coat Epoxy top coat paints	6.5	m²/coat	
	Repainting of C/M (1) internals- 1 coat Epoxy top coat paints	6.5	m²/coat	
	Yard supply paints & thinners for 2coat systems, 45.24m ²	13	m²/coat	
	Carpentry works	6.5	sq.m	
4	MAS (1) and - MAS (BED) areas 72.80 sq.m			
	Refurbishment, Cleaning, derusting, chip off rust & wipe it dry & paint.			
	Bail-out mud	1	cu.m	
	Clean & Wipe Dry	1	lot	
	Internal sanding & disc grinding	72.8	sq.m	
	Repainting of MAS (1) and - MAS (BED) internals- 1 coat Epoxy anti-corrosive	72.8	m²/coat	
	Repainting of MAS (1) and - MAS (BED) internals- 1 coat Epoxy anti-corrosive	72.8	m²/coat	
	Repainting of MAS (1) and - MAS (BED) internals- 1 coat Epoxy top coat paints	72.8	m²/coat	
	Repainting of MAS (1) and - MAS (BED) internals- 1 coat Epoxy top coat paints	72.8	m²/coat	
	Yard supply paints & thinners for 2coat systems, 72.80m ²	145.6	m²/coat	

	Carpentry works	72.8	sq.m	
5	C/E (1) areas			
	Refurbishment, Cleaning, derusting, chip off rust & wipe it dry & paint.			
	Bail-out mud	1	cu.m	
	Clean & Wipe Dry	1	lot	
	Internal sanding & disc grinding	9	sq.m	
	Repainting of C/E (1) internals- 1 coat Epoxy anti-corrosive	9	m²/coat	
	Repainting of C/E (1) internals- 1 coat Epoxy anti-corrosive	9	m²/coat	
	Repainting of C/E (1) internals- 1 coat Epoxy top coat paints	9	m²/coat	
	Repainting of C/E (1) internals- 1 coat Epoxy top coat paints	9	m²/coat	
	Yard supply paints & thinners for 2coat systems, 45.44m ²	18	m²/coat	
	Carpentry works	9	sq.m	
6	2/E (1) areas			
	Refurbishment, Cleaning, derusting, chip off rust & wipe it dry & paint.			
	Bail-out mud	1	cu.m	
	Clean & Wipe Dry	1	lot	
	Internal sanding & disc grinding	6	sq.m	
	Repainting of 2/E (1) internals- 1 coat Epoxy anti-corrosive	6	m²/coat	
	Repainting of 2/E (1) internals- 1 coat Epoxy anti-corrosive	6	m²/coat	
	Repainting of 2/E (1) internals- 1 coat Epoxy top coat paints	6	m²/coat	
	Repainting of 2/E (1) internals- 1 coat Epoxy top coat paints	6	m²/coat	
	Yard supply paints & thinners for 2coat systems, 40.20m ²	12	m²/coat	
	Carpentry works	6	sq.m	
7	2/M (1) areas			
	Refurbishment, Cleaning, derusting, chip off rust & wipe it dry & paint.			
	Bail-out mud	1	cu.m	
	Clean & Wipe Dry	1	lot	
	Internal sanding & disc grinding	6	sq.m	

		Repainting of 2/M (1) internals-	6	m²/coat	
		1 coat Epoxy anti-corrosive Repainting of 2/M (1) internals-	6	m²/coat	
		1 coat Epoxy anti-corrosive	_		
		Repainting of 2/M (1) internals- 1 coat Epoxy top coat paints	6	m²/coat	
		Repainting of 2/M (1) internals- 1 coat Epoxy top coat paints	6	m²/coat	
		Yard supply paints & thinners for 2coat systems, 41.30m ²	12	m²/coat	
		Carpentry works	6	sq.m	
	8	3/M (1) areas		34.111	
\vdash	0	` '			
		Refurbishment, Cleaning, derusting, chip off rust & wipe it dry & paint.			
		Bail-out mud	1	cu.m	
		Clean & Wipe Dry	1	lot	
		Internal sanding & disc grinding	6	sq.m	
		Repainting of 3/M (1) internals-	6	m²/coat	
		1 coat Epoxy anti-corrosive			
		Repainting of 3/M (1) internals-	6	m²/coat	
		1 coat Epoxy anti-corrosive			
		Repainting of 3/M (1) internals-	6	m²/coat	
\vdash		1 coat Epoxy top coat paints	-	2/	
		Repainting of 3/M (1) internals-	6	m²/coat	
\vdash		1 coat Epoxy top coat paints Yard supply paints & thinners for	12	m²/coat	
		2coat systems, 40.20m ²		III /COat	
		Carpentry works	6	sq.m	
	9	P. LAV areas			
		Refurbishment, Cleaning, derusting, chip off rust & wipe it dry & paint.			
		Bail-out mud	1	cu.m	
		Clean & Wipe Dry	1	lot	
		Internal sanding & disc grinding	5	sq.m	
		Repainting of P. LAV internals- 1	5	m²/coat	
		coat Epoxy anti-corrosive)	,0001	
		Repainting of P. LAV internals- 1 coat Epoxy anti-corrosive	5	m²/coat	
		Repainting of P. LAV internals- 1 coat Epoxy top coat paints	5	m²/coat	
		Repainting of P. LAV internals- 1 coat Epoxy top coat paints	5	m²/coat	
		Yard supply paints & thinners for 2coat systems, 34.20m ²	10	m²/coat	

	Ī	Carpentry works	5	sq.m	
•	10	OFF LAV areas			
		Refurbishment, Cleaning, derusting, chip off rust & wipe it dry & paint.			
		Bail-out mud	1	cu.m	
		Clean & Wipe Dry	1	lot	
		Internal sanding & disc grinding	8	sq.m	
		Repainting of OFF LAV internals- 1 coat Epoxy anticorrosive	8	m²/coat	
		Repainting of OFF LAV internals- 1 coat Epoxy anticorrosive	8	m²/coat	
		Repainting of OFF LAV internals- 1 coat Epoxy top coat paints	8	m²/coat	
		Repainting of OFF LAV internals- 1 coat Epoxy top coat paints	8	m²/coat	
		Yard supply paints & thinners for 2coat systems, 39.60m ²	16	m²/coat	
		Carpentry works	8	sq.m	
•	11	Saloon areas			
		Refurbishment, Cleaning, derusting, chip off rust & wipe it dry & paint.			
		Bail-out mud	1	cu.m	
		Clean & Wipe Dry	1	lot	
		Internal sanding & disc grinding	8	sq.m	
		Repainting of Saloon internals- 1 coat Epoxy anti-corrosive	8	m²/coat	
		Repainting of Saloon internals- 1 coat Epoxy anti-corrosive	8	m²/coat	
		Repainting of Saloon internals- 1 coat Epoxy top coat paints	8	m²/coat	
		Repainting of Saloon internals- 1 coat Epoxy top coat paints	8	m²/coat	
		Yard supply paints & thinners for 2coat systems, 82.20m ²	16	m²/coat	
		Carpentry works	8	sq.m	
	12	3/E & 4/E (2) areas			
		Refurbishment, Cleaning, derusting, chip off rust & wipe it dry & paint.			
		Bail-out mud	1	cu.m	

	Clean & Wipe Dry	1	lot	
	Internal sanding & disc grinding	6	sq.m	
	Repainting of 3/E & 4/E (2) internals- 1 coat Epoxy anti-corrosive	6	m²/coat	
	Repainting of 3/E & 4/E (2) internals- 1 coat Epoxy anti-corrosive	6	m²/coat	
	Repainting of 3/E & 4/E (2) internals- 1 coat Epoxy top coat paints	6	m²/coat	
	Repainting of 3/E & 4/E (2) internals- 1 coat Epoxy top coat paints	6	m²/coat	
	Yard supply paints & thinners for 2coat systems, 31.74m ²	12	m²/coat	
	Carpentry works	6	sq.m	
13	` '			
	Refurbishment, Cleaning, derusting, chip off rust & wipe it dry & paint.			
	Bail-out mud	1	cu.m	
	Clean & Wipe Dry	1	lot	
	Internal sanding & disc grinding	6	sq.m	
	Repainting of Crew A (2) internals- 1 coat Epoxy anti-corrosive	6	m²/coat	
	Repainting of Crew A (2) internals- 1 coat Epoxy anticorrosive	6	m²/coat	
	Repainting of Crew A (2) internals- 1 coat Epoxy top coat paints	6	m²/coat	
	Repainting of Crew A (2) internals- 1 coat Epoxy top coat paints	6	m²/coat	
	Yard supply paints & thinners for 2coat systems, 31.74m ²	12	m²/coat	
	Carpentry works	6	sq.m	
14	· · · · · · · · · · · · · · · · · · ·			
	Refurbishment, Cleaning, derusting, chip off rust & wipe it dry & paint.			
	Bail-out mud	1	cu.m	
	Clean & Wipe Dry	1	lot	
	Internal sanding & disc grinding	6	sq.m	

	Repainting of Crew B (2) internals- 1 coat Epoxy anticorrosive	6	m²/coat	
	Repainting of Crew B (2) internals- 1 coat Epoxy anticorrosive	6	m²/coat	
	Repainting of Crew B (2) internals- 1 coat Epoxy top coat paints	6	m²/coat	
	Repainting of Crew B (2) internals- 1 coat Epoxy top coat paints	6	m²/coat	
	Yard supply paints & thinners for 2coat systems, 26.04m ²	12	m²/coat	
	Carpentry works	6	sq.m	
15	Crew C (4) areas			
	Refurbishment, Cleaning, derusting, chip off rust & wipe it dry & paint.			
	Bail-out mud	1	cu.m	
	Clean & Wipe Dry	1	lot	
	Internal sanding & disc grinding	8	sq.m	
	Repainting of Crew C (4) internals- 1 coat Epoxy anticorrosive	8	m²/coat	
	Repainting of Crew C (4) internals- 1 coat Epoxy anticorrosive	8	m²/coat	
	Repainting of Crew C (4) internals- 1 coat Epoxy top coat paints	8	m²/coat	
	Repainting of Crew C (4) internals- 1 coat Epoxy top coat paints	8	m²/coat	
	Yard supply paints & thinners for 2coat systems, 37.04m ²	16	m²/coat	
	Carpentry works	8	sq.m	
16	Crew D (4) areas			
	Refurbishment, Cleaning, derusting, chip off rust & wipe it dry & paint.			
	Bail-out mud	1	cu.m	
	Clean & Wipe Dry	1	lot	
	Internal sanding & disc grinding	7	sq.m	
	Repainting of Crew D (4) internals- 1 coat Epoxy anticorrosive	7	m²/coat	

	Repainting of Crew D (4) internals- 1 coat Epoxy anticorrosive	7	m²/coat	
	Repainting of Crew D (4) internals- 1 coat Epoxy top coat paints	7	m²/coat	
	Repainting of Crew D (4) internals- 1 coat Epoxy top coat paints	7	m²/coat	
	Yard supply paints & thinners for 2coat systems, 34.48m ²	14	m²/coat	
	Carpentry works	7	sq.m	
17	Crew E (4) areas			
	Refurbishment, Cleaning, derusting, chip off rust & wipe it dry & paint.			
	Bail-out mud	1	cu.m	
	Clean & Wipe Dry	1	lot	
	Internal sanding & disc grinding	8	sq.m	
	Repainting of Crew E (4) internals- 1 coat Epoxy anticorrosive	8	m²/coat	
	Repainting of Crew E (4) internals- 1 coat Epoxy anticorrosive	8	m²/coat	
	Repainting of Crew E (4) internals- 1 coat Epoxy top coat paints	8	m²/coat	
	Repainting of Crew E (4) internals- 1 coat Epoxy top coat paints	8	m²/coat	
	Yard supply paints & thinners for 2coat systems, 51.20m ²	16	m²/coat	
	Carpentry works	8	sq.m	
18	Crew F (4) areas			
	Refurbishment, Cleaning, derusting, chip off rust & wipe it dry & paint.			
	Bail-out mud	1	cu.m	
	Clean & Wipe Dry	1	lot	
	Internal sanding & disc grinding	8	sq.m	
	Repainting of Crew F (4) internals- 1 coat Epoxy anticorrosive	8	m²/coat	
	Repainting of Crew F (4) internals- 1 coat Epoxy anticorrosive	8	m²/coat	

	Repainting of Crew F (4) internals- 1 coat Epoxy top coat paints	8	m²/coat	
	Repainting of Crew F (4) internals- 1 coat Epoxy top coat paints	8	m²/coat	
	Yard supply paints & thinners for 2coat systems, 40.20m ²	16	m²/coat	
	Carpentry works	8	sq.m	
19	Crew G (4) areas			
	Refurbishment, Cleaning, derusting, chip off rust & wipe it dry & paint.			
	Bail-out mud	1	cu.m	
	Clean & Wipe Dry	1	lot	
	Internal sanding & disc grinding	8	sq.m	
	Repainting of Crew G (4) internals- 1 coat Epoxy anti-corrosive	8	m²/coat	
	Repainting of Crew G (4) internals- 1 coat Epoxy anti-corrosive	8	m²/coat	
	Repainting of Crew G (4) internals- 1 coat Epoxy top coat paints	8	m²/coat	
	Repainting of Crew G (4) internals- 1 coat Epoxy top coat paints	8	m²/coat	
	Yard supply paints & thinners for 2coat systems, 34.26m ²	16	m²/coat	
	Carpentry works	8	sq.m	
20	Crew H (4) areas			
	Refurbishment, Cleaning, derusting, chip off rust & wipe it dry & paint.			
	Bail-out mud	1	cu.m	
	Clean & Wipe Dry	1	lot	
	Internal sanding & disc grinding	7	sq.m	
	Repainting of Crew H (4) internals- 1 coat Epoxy anti-corrosive	7	m²/coat	
	Repainting of Crew H (4) internals- 1 coat Epoxy anti-corrosive	7	m²/coat	
	Repainting of Crew H (4) internals- 1 coat Epoxy top coat paints	7	m²/coat	

		Repainting of Crew H (4) internals- 1 coat Epoxy top coat paints	7	m²/coat	
		Yard supply paints & thinners for 2coat systems, 41.60m ²	14	m²/coat	
		Carpentry works	7	sq.m	
	21	Shower areas			
		Refurbishment, Cleaning, derusting, chip off rust & wipe it dry & paint.			
		Bail-out mud	1	cu.m	
		Clean & Wipe Dry	1	lot	
		Internal sanding & disc grinding	21	sq.m	
		Repainting of Shower internals- 1 coat Epoxy anti-corrosive	21	m²/coat	
		Repainting of Shower internals- 1 coat Epoxy anti-corrosive	21	m²/coat	
		Repainting of Shower internals- 1 coat Epoxy top coat paints	21	m²/coat	
		Repainting of Shower internals- 1 coat Epoxy top coat paints	21	m²/coat	
		Yard supply paints & thinners for 2 coat systems, 34.90m ²	42	m²/coat	
		Carpentry works	21	sq.m	
	22	OWN 1 (SOTC) areas			
		Refurbishment, Cleaning, derusting, chip off rust & wipe it dry & paint.			
		Bail-out mud	4	CII M	
			1	cu.m	
1 1		Clean & Wipe Dry	1	lot	
		_	<u> </u>		
		Clean & Wipe Dry	1	lot	
		Clean & Wipe Dry Internal sanding & disc grinding Repainting of OWN 1 (SOTC) internals- 1 coat Epoxy anti- corrosive Repainting of OWN 1 (SOTC) internals- 1 coat Epoxy anti- corrosive	1 8	lot sq.m	
		Clean & Wipe Dry Internal sanding & disc grinding Repainting of OWN 1 (SOTC) internals- 1 coat Epoxy anti- corrosive Repainting of OWN 1 (SOTC) internals- 1 coat Epoxy anti-	1 8 8	lot sq.m m²/coat	
		Clean & Wipe Dry Internal sanding & disc grinding Repainting of OWN 1 (SOTC) internals- 1 coat Epoxy anti- corrosive Repainting of OWN 1 (SOTC) internals- 1 coat Epoxy anti- corrosive Repainting of OWN 1 (SOTC) internals- 1 coat Epoxy top coat	1 8 8 8	lot sq.m m²/coat m²/coat	
		Clean & Wipe Dry Internal sanding & disc grinding Repainting of OWN 1 (SOTC) internals- 1 coat Epoxy anti- corrosive Repainting of OWN 1 (SOTC) internals- 1 coat Epoxy anti- corrosive Repainting of OWN 1 (SOTC) internals- 1 coat Epoxy top coat paints Repainting of OWN 1 (SOTC) internals- 1 coat Epoxy top coat	1 8 8 8	lot sq.m m²/coat m²/coat m²/coat	

2	3 Office areas			
	Refurbishment, Cleaning, de-			
	rusting, chip off rust & wipe it dry			
	& paint.	4		
	Bail-out mud	1	cu.m	
	Clean & Wipe Dry	1	lot	
	Internal sanding & disc grinding	9	sq.m	
	Repainting of Office internals- 1 coat Epoxy anti-corrosive	9	m²/coat	
	Repainting of Office internals- 1 coat Epoxy anti-corrosive	9	m²/coat	
	Repainting of Office internals- 1 coat Epoxy top coat paints	9	m²/coat	
	Repainting of Office internals- 1 coat Epoxy top coat paints	9	m²/coat	
	Yard supply paints & thinners for 2coat systems, 39.20m ²	18	m²/coat	
	Carpentry works	9	sq.m	
2	4 Pantry areas			
	Refurbishment, Cleaning, derusting, chip off rust & wipe it dry & paint.			
	Bail-out mud	1	cu.m	
	Clean & Wipe Dry	1	lot	
	Internal sanding & disc grinding	4	sq.m	
	Repainting of Pantry internals- 1 coat Epoxy anti-corrosive	4	m²/coat	
	Repainting of Pantry internals- 1 coat Epoxy anti-corrosive	4	m²/coat	
	Repainting of Pantry internals- 1 coat Epoxy top coat paints	4	m²/coat	
	Repainting of Pantry internals- 1 coat Epoxy top coat paints	4	m²/coat	
	Yard supply paints & thinners for 2coat systems, 29.80m ²	8	m²/coat	
	Carpentry works	4	sq.m	
2	5 Store areas			
	Refurbishment, Cleaning, derusting, chip off rust & wipe it dry & paint.			
	Bail-out mud	1	cu.m	
	Clean & Wipe Dry	1	lot	
	Internal sanding & disc grinding	15	sq.m	
	Repainting of Store internals- 1 coat Epoxy anti-corrosive	15	m²/coat	

	Repainting of Store internals- 1 coat Epoxy anti-corrosive	15	m²/coat	
	Repainting of Store internals- 1 coat Epoxy top coat paints	15	m²/coat	
	Repainting of Store internals- 1 coat Epoxy top coat paints	15	m²/coat	
	Yard supply paints & thinners for 2coat systems, 23.92m ²	30	m²/coat	
	Carpentry works	15	sq.m	
26	MCR areas			
	Refurbishment, Cleaning, derusting, chip off rust & wipe it dry & paint.			
	Bail-out mud	1	cu.m	
	Clean & Wipe Dry	1	lot	
	Internal sanding & disc grinding	10	sq.m	
	Repainting of MCR internals- 1 coat Epoxy anti-corrosive	10	m²/coat	
	Repainting of MCR internals- 1 coat Epoxy anti-corrosive	10	m²/coat	
	Repainting of MCR internals- 1 coat Epoxy top coat paints	10	m²/coat	
	Repainting of MCR internals- 1 coat Epoxy top coat paints	10	m²/coat	
	Yard supply paints & thinners for 2coat systems, 66.24m ²	20	m²/coat	
	Carpentry works	10	sq.m	
27	Laund areas			
	Refurbishment, Cleaning, derusting, chip off rust & wipe it dry & paint.			
	Bail-out mud	1	cu.m	
	Clean & Wipe Dry	1	lot	
	Internal sanding & disc grinding	6	sq.m	
	Repainting of Laund internals- 1 coat Epoxy anti-corrosive	6	m²/coat	
	Repainting of Laund internals- 1 coat Epoxy anti-corrosive	6	m²/coat	
	Repainting of Laund internals- 1 coat Epoxy top coat paints	6	m²/coat	
	Repainting of Laund internals- 1 coat Epoxy top coat paints	6	m²/coat	
	Yard supply paints & thinners for 2coat systems, 37.66m ²	12	m²/coat	
	Carpentry works	6	sq.m	
	carpoint, nome		94	

	Refurbishment, Cleaning, de-			
	rusting, chip off rust & wipe it dry			
	& paint. Bail-out mud	1	cu.m	
	Clean & Wipe Dry	1	lot	
	Internal sanding & disc grinding	6	sq.m	
	Repainting of Crew Lav	6	m²/coat	
	internals- 1 coat Epoxy anti- corrosive)	11170001	
	Repainting of Crew Lav internals- 1 coat Epoxy anticorrosive	6	m²/coat	
	Repainting of Crew Lav internals- 1 coat Epoxy top coat paints	6	m²/coat	
	Repainting of Crew Lav internals- 1 coat Epoxy top coat paints	6	m²/coat	
	Yard supply paints & thinners for 2coat systems, 66.80m ²	12	m²/coat	
	Carpentry works	6	sq.m	
29	P. OFF MESS areas			
	Refurbishment, Cleaning, derusting, chip off rust & wipe it dry & paint.			
	Bail-out mud	1	cu.m	
	Clean & Wipe Dry	1	lot	
	Internal sanding & disc grinding	15	sq.m	
	Repainting of P. OFF MESS internals- 1 coat Epoxy anticorrosive	15	m²/coat	
	Repainting of P. OFF MESS internals- 1 coat Epoxy anticorrosive	15	m²/coat	
	Repainting of P. OFF MESS internals- 1 coat Epoxy top coat paints	15	m²/coat	
	Repainting of P. OFF MESS internals- 1 coat Epoxy top coat paints	15	m²/coat	
	Yard supply paints & thinners for 2coat systems, 71.40m ²	30	m²/coat	
	Carpentry works	15	sq.m	
30				
	Refurbishment, Cleaning, derusting, chip off rust & wipe it dry & paint.			

	Bail-out mud	2	cu.m	
	Clean & Wipe Dry	1	lot	
	Internal sanding & disc grinding	22.5	sq.m	
	Repainting of Crew Mess internals- 1 coat Epoxy anticorrosive	22.5	m²/coat	
	Repainting of Crew Mess internals- 1 coat Epoxy anticorrosive	22.5	m²/coat	
	Repainting of Crew Mess internals- 1 coat Epoxy top coat paints	22.5	m²/coat	
	Repainting of Crew Mess internals- 1 coat Epoxy top coat paints	22.5	m²/coat	
	Yard supply paints & thinners for 2coat systems, 102.20m ²	45	m²/coat	
	Carpentry works	22.5	sq.m	
31	Galley areas			
	Refurbishment, Cleaning, derusting, chip off rust & wipe it dry & paint.			
	Bail-out mud	1	cu.m	
	Clean & Wipe Dry	1	lot	
	Internal sanding & disc grinding	17.5	sq.m	
	Repainting of Galley internals- 1 coat Epoxy anti-corrosive	17.5	m²/coat	
	Repainting of Galley internals- 1 coat Epoxy anti-corrosive	17.5	m²/coat	
	Repainting of Galley internals- 1 coat Epoxy top coat paints	17.5	m²/coat	
	Repainting of Galley internals- 1 coat Epoxy top coat paints	17.5	m²/coat	
	Yard supply paints & thinners for 2coat systems, 67.20m ²	35	m²/coat	
	Carpentry works	17.5	sq.m	
32	Hall way (Upper DK) areas 13 sq.m			
	Refurbishment, Cleaning, derusting, chip off rust & wipe it dry & paint.			
	Bail-out mud	5	cu.m	
	Clean & Wipe Dry	1	lot	
	Internal sanding & disc grinding	13	sq.m	

	Repainting of Hall way (Upper DK) internals- 1 coat Epoxy anti-corrosive	13	m²/coat	
	Repainting of Hall way (Upper DK) internals- 1 coat Epoxy anti-corrosive	13	m²/coat	
	Repainting of Hall way (Upper DK) internals- 1 coat Epoxy top coat paints	13	m²/coat	
	Repainting of Hall way (Upper DK) internals- 1 coat Epoxy top coat paints	13	m²/coat	
	Yard supply paints & thinners for 2coat systems, 277.80m ²	26	m²/coat	
	Carpentry works	13	sq.m	
33	Hall way (Poop DK) areas 16 sq.m			
	Refurbishment, Cleaning, derusting, chip off rust & wipe it dry & paint.			
	Bail-out mud	3	cu.m	
	Clean & Wipe Dry	1	lot	
	Internal sanding & disc grinding	16	sq.m	
	Repainting of Hall way (Poop DK) internals- 1 coat Epoxy anti-corrosive	16	m²/coat	
	Repainting of Hall way (Poop DK) internals- 1 coat Epoxy anti-corrosive	16	m²/coat	
	Repainting of Hall way (Poop DK) internals- 1 coat Epoxy top coat paints	16	m²/coat	
	Repainting of Hall way (Poop DK) internals- 1 coat Epoxy top coat paints	16	m²/coat	
	Yard supply paints & thinners for 2coat systems, 159.80m ²	32	m²/coat	
	Carpentry works	16	sq.m	
34	Armory Room 1 areas 4 sq.m			
	Refurbishment, Cleaning, derusting, chip off rust & wipe it dry & paint.			
	Bail-out mud	1	cu.m	
	Clean & Wipe Dry	1	lot	
	Internal sanding & disc grinding	4	sq.m	

	Internal sanding & disc grinding	9	sq.m	
	Clean & Wipe Dry	1	lot	
	Bail-out mud	1	cu.m	
	rusting, chip off rust & wipe it dry & paint.			
30	Refurbishment, Cleaning, de-			
36	Aircon Room areas 9 sq.m	•	34.111	
	2coat systems, 45.66m ² Carpentry works	4	sq.m	
	Yard supply paints & thinners for	8	m²/coat	
	Repainting of Armory Room 2 internals- 1 coat Epoxy top coat paints	4	m²/coat	
	Repainting of Armory Room 2 internals- 1 coat Epoxy top coat paints	4	m²/coat	
	Repainting of Armory Room 2 internals- 1 coat Epoxy anti-corrosive	4	m²/coat	
	Repainting of Armory Room 2 internals- 1 coat Epoxy anti-corrosive	4	m²/coat	
	Internal sanding & disc grinding	4	sq.m	
	Clean & Wipe Dry	1	lot	
	Bail-out mud	1	cu.m	
	Refurbishment, Cleaning, derusting, chip off rust & wipe it dry & paint.			
35	Armory Room 2 areas 4 sq.m			
	Carpentry works	4	sq.m	
	Yard supply paints & thinners for 2coat systems, 45.66m ²	8	m²/coat	
	Repainting of Armory Room 1 internals- 1 coat Epoxy top coat paints	4	m²/coat	
	Repainting of Armory Room 1 internals- 1 coat Epoxy top coat paints	4	m²/coat	
	Repainting of Armory Room 1 internals- 1 coat Epoxy anticorrosive	4	m²/coat	
	Repainting of Armory Room 1 internals- 1 coat Epoxy anticorrosive	4	m²/coat	

	Repainting of Aircon Room internals- 1 coat Epoxy anti-corrosive	9	m²/coat	
	Repainting of Aircon Room internals- 1 coat Epoxy anti-corrosive	9	m²/coat	
	Repainting of Aircon Room internals- 1 coat Epoxy top coat paints	9	m²/coat	
	Repainting of Aircon Room internals- 1 coat Epoxy top coat paints	9	m²/coat	
	Yard supply paints & thinners for 2coat systems, 45.66m ²	18	m²/coat	
	Carpentry works	9	sq.m	
	7 Pull-out and renew wooden dunnage at buoy deck 65 mm Pressure Treated Wooden Plank	1	lot	
3	8 Buoy Deck and Cargo Hold Nr 1 and Nr 2 Deck	195	sq.m	
	Repair of wooden Deck and bulkhead			
	preplacement of wooden deck of cargo Hold Nr 1 and hold Nr 2			
	Reconditioning and Remaining of BHD, Overhead structures and Decks	6399.83	kgs	
3	9 PEST CONTROL AND FUMMIGATION	1	lot	
<u> </u>	IAVIGATIONAL EQUIPMENTS			
1	Troubleshooting and Relocation of SEARCH LIGHT	1	lot	
	- Troubleshoot the connection wirings Search Light			
	- Modified to manual controllable Search Light			
	- Replacement of search light bulb (500) watts and provide 20 pcs for spare			
	- Provide labor materials for its repair			
	- Replacement of the Search Light and Repair its components			
	- Synchronize with all Navigational Equipment.			
	- Testing and Commissioning			
	2 Air Horn and pipelines	1	lot	

	- Supply and Installation of			
	Ships horn			
	- Replacement of Air Pipings			
	ROPULSION WORKS			
	AILSHAFT WORKS			
1	Crop-out and reinstallation of rope guard IWO bearing clearances.	2	/shaft	
2	Measure tail shaft bearing clearances and submit result to owner rep.:			
	- Outboard	2	/shaft	
	- Inboard	2	/shaft	
3	bearing clearances are failed, supply and machining.	4	pcs	
4	Outboard & Inboard Bearing	4	pcs	
5	Pull-out and reinstallation of :			
	- Coupling	2	/shaft	
	- Tail shaft (Oil lubricated)	2	/shaft	
	 Removal/reinstallation of Outboard and inboard shaft seal housing. 	4	/shaft	
	- Dismantling/assemble Outboard and inboard shaft seal.	4	/shaft	
	- Machining/reconditioning of Outboard and inboard seal liner	4	/shaft	
	- Plumber Block	2	/shaft	
	- Transmitter to propeller Revolution	2	/shaft	
	- Supply of shaft seal.	4	/shaft	
6				
	-Stern Tube / Stern Tube tank	1	tons	
	- Supply of lube oil. 400 liters	2	drums	
	- Plummer Block 100 liters	1	tons	
7	3			
	- Tail shaft	2	times	
	- Shaft seal housing	2	times	
8	Mounting of tail shaft			
	-Check radial/ axial alignment	2	/shaft	
	- Machining/Repair if necessary in order to support shafting Good -Condition	2	/shaft	

	- Testing and Commissioning	2	/shaft	
F	RUDDER WORKS			
	Measure bearing clearances and submit result to owner rep.			
	- Rudder post upper and lower	4	sets	
	- Pintle	2	sets	
	- Replacement of Rudder bearing , pintle, lower & upper bearings P&S	6	sets	
	Pull-out and reinstallation of :			
	- Rudder Blade	2	sets	
	- Rudder stock	2	sets	
	- Supply of Bearing/ Bushing	6	pcs	
;	Mounting of rudder stock check straightness and polish.	2	sets	
	Disconnect / reconnect.			
	- Hydraulic Cylinder / Testing.	4	pcs	
	- Replacement of oil seal.	4	pcs	
	5 Sea Trial with yard personnel.	1	time	
F	PROPELLER WORKS			
'	1 Reconditioning of propeller blade.	2	lots	
	- Removal of existing anodes at tail shaft and Installation of P/S			
	Tail shaft anodes using tapered type aluminum anodes.			
	- Pull-out and reinstallation of propeller cap and nut			
	 Pull-out and reinstallation of FPP propeller 5 blade after repair 			
	 Hauling of propeller blade to shop and back after work completion 			
	- Recondition of propeller blades Polishing of propeller blade,			
	crack testing, blue fitting and static balancing, PORT & STARBOARD SIDE			
	- Testing and Commissioning			
	2 Reconditioning of bow thruster propeller blade.	1	lots	

		- Polish		I	
		- Straightening			
		- Build-up			
		- Grind			
		- Weighing			
\vdash		- Crack testing			
		- Static Balancing	4	lata	
	3	Recondition of bow thruster motor, electrical system and	1	lots	
		its components			
	MA	CHINE SHOP / MECHANICAL /			
		TFITTING WORKS			
	1	BOAT DAVIT PORT SIDE AND ITS CAPSTAN	1	lots	
		- Replacement of Hydraulic			
		hoses			
		- Overhaul of boat Davit winch			
		as required - Overhaul of Control Valves			
		- Repair of damage part of the			
		winches/gears			
		- Replacement of Boat Davit			
		Rubber Fender			
		- Replacement of Boat Davit			
		Rubber Fender Keel Boat Platform			
		- Replacement of Boat Davit			
		Cable			
		- Pull-out and Replacement of			
		fabricated Boat Davit Cable			
		Drum.			
		- Servicing of Boat Davit Motor.		-	
		- Operational Test and Setting	4		
	2	Main Air Compressor	1	lot	
		- Recondition of Number 1 Main Air Compressor and			
		Replacement of its components			
		- Recondition of Number 2 Main			
		Air Compressor and			
		Replacement of its Components			
		- Recondition of Back-up Main			
		Air Compressor and			
		Replacement of its Components - Servicing of Compressor tank			
		no. 1 & 2			
		· · · · · · · · · -			1

	- Repair Air Compressor Wiring			İ
	- Repair Air Compressor Wiring System			
	- Repair Air Compressor leak,			
	damage, worn-out gasket, and			
	Damage			
	regulator/Fittings Distribution			
	Pipelines System Replacement			
	of parts			
	and Components to Support the			
	Air Compressor System in Good			
	Condition.			
	- Repair of leaking of air from			
	air tank, corroded pipe line and			
	wiring			
3	Repair General Service Pump	1	lot	
	No. 1			
_	- Dismantling and cleaning of			
	General Service Pump No. 1			
	and its components			
	- Remove and renew General			
	Service Pump No. 1 electrical			
	wirings & connections.			
	- Replacement of General			
	Service Pump No. 1 defective			
	parts.			
	- Cleaning & check internal			
	Gears, Bearing, Bushing, and			
	other components			
	to support General Service			
	Pump No. 1			
	- Assembling and installing on			
	its original condition.			
	Retrofitting of the pipelines and			
	fittings attached to General			
	Service Pump No. 1 and No. 2.			
	Commissioning & operational			
	test.			
4	Port Emergency Steering Gear	1	lot	
	- Repair, Replacement, and			
	Recondition of Port Defective			
	emergency steering			
	gear(manual operation)			
5	Fresh Water Pump / Sea water	1	lot	
	pump Assembly			
	- Replacement of Defective			
	mechanical seal			
	- Supply and Installation of gate			
	valve			

	6	Fuel oil pump No.1 and No. 2	2	sets	
		- Replacement of Fuel oil pump			
		No.1			
		- Repair, Replacement and			
		Recondition of Fuel oil pump No. 2			
		weak suction of fuel from main			
		tank			
	7	Windlass, Anchor and Anchor Chain	1	lot	
	8	Main Cargo Boom and	1	lot	
		Secondary Cargo Boom at			
		fwd Beneir Benlassment			
		 Repair, Replacement, Replating of corroded and holed 			
		arm cargo			
		boom, cables stiffed cables,			
		corroded pulleys and corroded			
		tripods			
	9	Aluminum Boat			
		- Replacement of boat lights	1	lots	
		Replacement of electrical wirings.			
		- Replacement of Aluminum	1	lots	
		boat Cradle	•	1013	
		- Cleaning and Repainting of	1	lots	
		high-Quality Paint			
		- Reconditioning of hull	1	lots	
		- Recalibrating of steering	1	lots	
		Wheel			
		LL CLEANING/SURFACE			
	1	EPERATIONS AND PAINTING. High Pressure Wash.			
	•	•	1013	ea m	
		 Hull FW high pressure Jet washing from Keel to Bulwark, 	1013	sq.m	
		assume area: 1,013 sq.m			
		- Hull FW low pressure	1013	sq.m	
		Washdown prior 2nd coat, keel		-	
		to bulwark, assume area:			
		1,013 sq.m			
	2	Manually hard scrape barnacles.			
		- Hull Scraping from Keel to	1013	sq.m	
		DLL, assume area: 1,013	1010	O4	
		sq.m			
		- Hull Manual Chipping, keel to	1013	sq.m	
		DLL , assume area: 1,013			
		sq.m			

3	Sea Chest Gratings open and close, wash, clean, blasting and painting.			
	1)Sea chest box/grids (clean, blast, paint, refit in good order)	6	/grating	
	Blasting and painting of sea chest boxes	6	/chest	
4	Cover zinc anodes IWO painting.	60	pcs	
5	Painting / Repaint the following:			
	- Stripping / tracing water line.	56.92	ms	
	- Draft Marks Bow, Midship and Aft.	6	locs	
	- Ship's Name	2	locs	
	- Logo	2	locs	
	- Cost Guard Stripes.	2	locs	
	- Bow number	3	locs	
	- Plimsoll line	2	locs	
	Yard supply paints & thinners for markings/names/port of registry	1	lot	
6	Hull Scupper chutes, 15	15	piece	
7	pcs Grit Blasting.			
-	- Hull P/S			
	- 30% spot blasting 2.0	303.9	ca m	
	' '	709.1	sq.m	
	- 70% Sweep blasting 1.5/1.0 - Bottom to DLL	709.1	sq.m	
		696	og m	
	- One (1) F/C Epoxy Primer	696	sq.m	
	- One (1) F/C Anti-Corrosive - Two (2) F/C Anti-Fouling	1392	sq.m	
	Yard supply paints & thinners for	2784	sq.m m²/coat	
	4coat systems - DLL to Bulwark			
	- One (1) F/C Epoxy Primer	317	sq.m	
	- One (1) F/C Anti-Corrosive	317	sq.m	
	Yard supply paints & thinners for	634	m²/coat	
	2coat systems			
8	Cleaning of copper slag IWO of painting with anti-skid (4 men)	1500	hrs	
	Cup brushing of the following:			
	- Main Deck			
	- 2nd Deck			

	- 3rd Deck			
	- 4th Deck	1397.4	sq.m	
	- Two (2) F/C coat primer paint	2794.8	sq.m	
	- Two (2) F/C coat top coat paint with anti-skid	2794.8	sq.m	
	Yard supply paints & thinners for 4coat systems	2794.8	m²/coat	
	- Cleaning IWO painting.	750	hrs	
9	Boat House Deck Flooring.			
	- Conduct cleaning by chipping/sanding,	10	sq.m	
	- Paint with yard supply paint			
	1Full Coat Primer	10	sq.m	
	1Full Coat Top coat high performance paint with anti-skid	10	sq.m	
	- Supply of paint based on 3 coat system and anti-skid	20	sq.m	
ST	RUCTURAL WORKS			
1	Crop-out and renew wasted zinc anodes (welded type, 8.5kgs)			
	P/S Side. Yard supply anodes.			
	Plain removal of Hull Zinc anodes, 8kg			
	- Hull	45	pcs	
	- Sea chest box	9	pcs	
	- Rudder Blade	6	pcs	
	Anode Installation			
	- Hull	45	pcs	
	- Sea chest box	9	pcs	
	- Rudder Blade	6	pcs	
	- Supply of 45pcs x 8.5kgs welded type Zinc anodes	60	pcs	
2	Power tooling and re-touch burned portion upon Installation of zinc anodes at hull.	60	pcs	
	- Conduct power tooling on anodes retouching	60	pcs	
3	Engine Room False Flooring Checkered deck Plate and Frame			
	Crop-out and Replating deteriorated frame and Replacement			

1 1					i i
		of all checkered deck plate to			
		perforated corrugated aluminum			
		deck			
		- Removal of ER false flooring	100	sq.m	
		(checkered plate) including deck			
		plate & frame			
		- Renewal of deteriorated plate	3140	kgs	
		and install new plate 3140			
		kgs			
		- Renewal of deteriorated frame	942	kgs	
		using angle bar. 942 kgs		, and the second	
		- Supply of new Checkered	23	sheets	
		plate 23 sheets- 6mm x	_0	0.100.0	
		1219.2mm x 2438.4mmL			
		- Supply of new angle bar	25	lengths	
		25lengths- 8mmT x 50mm x	25	lengins	
		50mm x 6096mmL			
\vdash	4				
	4	Crop-out and Replating thinned, failed to UTG, dented			
		,			
		plates at hull	40000.0	1	
		- Crop out and renew the	13069.0	kgs	
		deteriorated plates using yard	6		
		supply materials,			
		- Supply of ABS	15	sheets	
		Plate:10mmx1,828.8mmx6,096			
		mmL x 15 sheets			
	5	Hawse Pipe Port and	1	lot	
		Starboard			
		- Crop-out, Replating and			
		Painting of Dilapidated and			
		corroded parts of Hawse Pipe			
		Port and Starboard			
	6	Mooring bitts			
		-Supply, Replacement and			
		repainting of corroded mooring			
		bitts base, fair lead base and			
		chocks			
	7	Forecastle and Forecastle			
		Deck			
		- Crop-out, Replating and	4308.65	kgs	
		Painting thinned, Corroded,		Ü	
		Dilapidated and ,			
		dented Superstructure, Decks			
		and Bulwark Stay			
		- Materials Supplied by			
		Shipyard			
		- ABS	5	sheets	
		Plate:10mmx1,828.8mmmx6,09	3	SHEELS	
		6mmLx 5 sheets			
		OHIHIEV O SHEERS			1

	Conduct chipping & sanding	50	sq.m	
	- Materials Paints and Thinners			
	Conduct chipping & sanding on mooring bitts and its base	50	sq.m	
	1FC Anti Corrosive on mooring bitts	50	sq.m	
	1FC Top Coat	50	sq.m	
	- Supply of Paints to be supplied by Shipyard for 2coats system	100	sq.m	
8	Stanchion Railings			
	- Supply and replacement of Stanchion Railings and Base	26	units	
	- Replacement of Chain Railings	1	lot	
	- Materials and Paintings to be supplied by Shipyard			
	Conduct chipping & sanding on Stanchion Railings and Base	26	sq.m	
	1FC Anti Corrosive	26	sq.m	
	1FC Top Coat	26	sq.m	
	- Supply of Paints to be supplied by Shipyard for 2coats	52	sq.m	
	system			
9	Hatches			
9	•	8	sets	
9	Hatches - Replacement of stiffened rubber gasket of watertight	8	sets	
9	Hatches - Replacement of stiffened rubber gasket of watertight hatches - Replacement of stiffened dog			
9	Hatches - Replacement of stiffened rubber gasket of watertight hatches - Replacement of stiffened dog locks of watertight hatches - Replacement of corroded water tight hatches - Markings of Dogs (O) open; (S) Shut	8 100 8	sets	
9	Hatches - Replacement of stiffened rubber gasket of watertight hatches - Replacement of stiffened dog locks of watertight hatches - Replacement of corroded water tight hatches - Markings of Dogs (O) open;	8	sets kgs	
9	- Replacement of stiffened rubber gasket of watertight hatches - Replacement of stiffened dog locks of watertight hatches - Replacement of corroded water tight hatches - Markings of Dogs (O) open; (S) Shut - Greasing of dogs - Materials and Paintings to be supplied by Shipyard	8 100 8	sets kgs units	
9	- Replacement of stiffened rubber gasket of watertight hatches - Replacement of stiffened dog locks of watertight hatches - Replacement of corroded water tight hatches - Markings of Dogs (O) open; (S) Shut - Greasing of dogs - Materials and Paintings to be supplied by Shipyard Conduct chipping & sanding	8 100 8 8	sets kgs units	
9	- Replacement of stiffened rubber gasket of watertight hatches - Replacement of stiffened dog locks of watertight hatches - Replacement of corroded water tight hatches - Markings of Dogs (O) open; (S) Shut - Greasing of dogs - Materials and Paintings to be supplied by Shipyard Conduct chipping & sanding 1FC Anti Corrosive	8 100 8 8 8 50 50	sets kgs units units	
9	- Replacement of stiffened rubber gasket of watertight hatches - Replacement of stiffened dog locks of watertight hatches - Replacement of corroded water tight hatches - Markings of Dogs (O) open; (S) Shut - Greasing of dogs - Materials and Paintings to be supplied by Shipyard Conduct chipping & sanding 1FC Anti Corrosive 1FC Top Coat	8 100 8 8 8 50 50 50	sets kgs units units sq.m	
9	- Replacement of stiffened rubber gasket of watertight hatches - Replacement of stiffened dog locks of watertight hatches - Replacement of corroded water tight hatches - Markings of Dogs (O) open; (S) Shut - Greasing of dogs - Materials and Paintings to be supplied by Shipyard Conduct chipping & sanding 1FC Anti Corrosive 1FC Top Coat - Supply of Paints to be supplied by Shipyard for 2coats system	8 100 8 8 8 50 50	sets kgs units units sq.m sq.m	
9	- Replacement of stiffened rubber gasket of watertight hatches - Replacement of stiffened dog locks of watertight hatches - Replacement of corroded water tight hatches - Markings of Dogs (O) open; (S) Shut - Greasing of dogs - Materials and Paintings to be supplied by Shipyard Conduct chipping & sanding 1FC Anti Corrosive 1FC Top Coat - Supply of Paints to be supplied by Shipyard for 2coats system - Goose neck type Vents	8 100 8 8 8 50 50 50 100	sets kgs units units sq.m sq.m sq.m	
9	- Replacement of stiffened rubber gasket of watertight hatches - Replacement of stiffened dog locks of watertight hatches - Replacement of corroded water tight hatches - Markings of Dogs (O) open; (S) Shut - Greasing of dogs - Materials and Paintings to be supplied by Shipyard Conduct chipping & sanding 1FC Anti Corrosive 1FC Top Coat - Supply of Paints to be supplied by Shipyard for 2coats system	8 100 8 8 8 50 50 50	sets kgs units units sq.m sq.m sq.m	

		-Replacement of corroded Goose neck type Vents	100	kgs	
		- Materials and Paintings to be supplied by Shipyard			
		Conduct chipping & sanding	20	sq.m	
		1FC Anti Corrosive	20	sq.m	
		1FC Top Coat	20	sq.m	
		- Supply of Paints to be supplied by Shipyard for 2coats system	40	sq.m	
	9	Goose neck type wall Vents			
		-Replacement of stiffened rubber gasket	9	sets	
		-Replacement of stiffened locks	9	sets	
		-Replacement of corroded	100	kgs	
\vdash		Goose neck type Vents - Materials and Paintings to be			1
		supplied by Shipyard			
		Conduct chipping & sanding	10	sq.m	
		1FC Anti Corrosive	10	sq.m	
		1FC Top Coat	10	sq.m	
		- Supply of Paints to be supplied by Shipyard for 2coats system	20	sq.m	
	10	Replacement and repair of			
		mini gym canvass			
		- Pull-out and repair Broken brace	1	sets	
		- Replacement of corroded	100	kgs	
		base of mini gym canvass	. • •	90	
		- Replacement of stiffened canvass	1	sets	
	11	Gun Mount Port and Starboard			
		- Crop-out, replace and Replating of corroded, loosed thread and dilapidated Gun Mount Port and Starboard	100	kgs	
		- Materials Supplied by Shipyard			
		Conduct chipping & sanding	10	sq.m	
		1FC Anti Corrosive	10	sq.m	
		1FC Top Coat	10	sq.m	
		 Supply of Paints to be supplied by Shipyard for 2coats system 	20	sq.m	
	12	Hot Plates Nr 1,2,3 and 4 unit	4	units	

	- Replacement of Hot plates Nr 1,2,3 and 4 unit			
13	Ballast tank			
	- Crop-out and Replating thinned, conduct cleaning, chipping, sanding, and apply two (2) coats high performance on corroded plates	13069.0 6	kgs	
	- Materials Supplied by Shipyard			
	- ABS Plate:10mmx1,828.8mmx6,096 mmx 15 sheets	15	sheets	
	- Paint and Thinner			
	1FC Anti Corrosive	200	sq.m	
	1FC Top Coat	200	sq.m	
	- Supply of Paints to be supplied by Shipyard for 2coats system	400	sq.m	
	A CHEST, PUMPS AND			
<u>VAI</u> 1	LVES, PIPING WORKS Remove, haul to shop, open,			
•	clean and lap/grind to re-seat valve disc/seat, repack, hydrotest, re-Installation with new gasket using Shipyard Supplied and labeling:			
	- 5k150 Angle-Globe valve	2	pcs	
	- 5k50 Globe valve	2	pcs	
	- 5k125 Angle-Globe valve	2	pcs	
2	Replacement of sea chest boxes P/S			
	2 pcs x 12 mmT x 500 mmW x 600 mm H Top Plates 2 pcs x 12 mmT x 500 mmW x 600	56.52	kgs	
	2 pcs x 12 mmT x 500 mmW x 800 mm H End Plates 2 pcs x 12 mmT x 500 mmW x 800	75.36	kgs	
	4 pcs x 12 mmT x 600 mmW x 800 mm H Side Plates 4 pcs x 12 mmT x 600 mmW x 800	180.86	kgs	
	2 pcs x 150 mmDia. x 500 mmL Penetration Pipes- BI Sch80	2	m	
	2 pcs x 150 mmDia. Penetration Flanges	2	pcs	
	2 pcs x 150 mmDia. x New flanges	2	pcs	

	2 pcs x 125 mmDia. x 500 mmL Penetration Pipes- BI	2	m	
	Sch80			
	2 pcs x 125 mmDia. Penetration Flanges	2	pcs	
	2 pcs x 125 mmDia. New flanges	2	pcs	
	2 pcs x 50 mmDia. x 500 mmL Penetration Pipes- BI Sch80	2	m	
	2 pcs x 50 mmDia. Penetration Flanges	2	pcs	
	2 pcs x 50 mmDia. New Flanges	2	pcs	
3	Full blasting of valves.	12	pcs	
	Renew the following:			
4	Sewage Piping System	1	lot	
	- Conduct inspection to the			
	corroded piping system and			
	valve elbow flanges			
	- Replacement of worn-out,			
	deteriorated and leaking pipes			
	and valve elbow flanges			
	- Power tooling of newly Installation of new and old piping			
	system			
	- Painting of newly Installed			
	pipings, fittings and old piping system			
	- Naming and labeling of pipes and valves			
	- Materials and Paintings to be supplied by Shipyard			
	Conduct chipping & sanding	25	sq.m	
	1FC Anti Corrosive	25	sq.m	
	1FC Top Coat	25	sq.m	
	- Supply of Paints to be supplied by Shipyard for 2coats system	50	sq.m	
5	Galley Piping System.	1	lot	
	- Conduct inspection to the corroded piping system and valve elbow flanges			
	- Replacement of worn-out, deteriorated and leaking pipes and valve elbow flanges			

	Power tooling of newly Installation of ed and old piping system Painting of newly Installed			
	pipings, fittings and old piping system			
	- Naming and labeling of pipes and valves			
	- Materials and Paintings to be supplied by Shipyard			
	Conduct chipping & sanding	25	sq.m	
	1FC Anti Corrosive	25	sq.m	
	1FC Top Coat	25	sq.m	
	- Supply of Paints to be supplied by Shipyard for 2coats system	50	sq.m	
6	Fresh water Piping System	1	lot	
	- Conduct inspection to the corroded piping system and valve elbow flanges			
	- Replacement of worn-out, deteriorated and leaking pipes and valve elbow flanges			
	- Power tooling of newly Installation of new and old Piping system			
	- Painting of newly Installed pipings, fittings and old piping system			
	- Naming and labeling of pipes and valves			
	- Materials and Paintings to be supplied by Shipyard			
	Conduct chipping & sanding	25	sq.m	
	1FC Anti Corrosive	25	sq.m	
	1FC Top Coat	25	sq.m	
	- Supply of Paints to be supplied by Shipyard for 2coats system	50	sq.m	
	Fuel Oil Piping System	1	lot	
	- Conduct inspection to the corroded piping system and valve elbow flanges			
	- Replacement of worn-out, deteriorated and leaking pipes and valve elbow flanges			

	- Power tooling of newly			1
	Installation of ed and old piping			
	system			
	- Painting of newly Installed			
	pipings, fittings and old piping system			
	- Naming and labeling of pipes and valves			
	- Materials and Paintings to be supplied by Shipyard			
	Conduct chipping & sanding	25	sq.m	
	1FC Anti Corrosive	25	sq.m	
	1FC Top Coat	25	sq.m	
	- Supply of Paints to be supplied by Shipyard for 2coats system	50	sq.m	
7	Sea Water Piping System	1	lot	
	- Conduct inspection to the			
	corroded piping system and			
	valve elbow flanges			
	- Replacement of worn-out, deteriorated and leaking pipes			
	and valve elbow flanges			
	- Power tooling of newly			
	Installation of ed and old piping system			
	- Painting of newly Installed pipings, fittings and old piping system			
	- Naming and labeling of pipes			
	and valves			
	- Materials and Paintings to be supplied by Shipyard			
	Conduct chipping & sanding	25	sq.m	
	1FC Anti Corrosive	25	sq.m	
	1FC Top Coat	25	sq.m	
	- Supply of Paints to be	50	sq.m	
	supplied by Shipyard for 2coats system			
8	Bilge Pipings System	1	lot	
	- Conduct inspection to the			
	corroded piping system and			
	valve elbow flanges - Replacement of worn-out,			
	deteriorated and leaking pipes			
	and valve elbow flanges			

1 1				I	İ i
		- Power tooling of newly			
		Installation of ed and old piping			
		system			
		- Painting of newly Installed			
		pipings, fittings and old piping			
		system			
		- Naming and labeling of pipes			
		and valves			
		- Materials and Paintings to be			
		supplied by Shipyard			
		Conduct chipping & sanding	25	sq.m	
		1FC Anti Corrosive	25	sq.m	
		1FC Top Coat	25	sq.m	
		- Supply of Paints to be	50	sq.m	
		supplied by Shipyard for 2coats		'	
		system			
	9	Fire monitor pump line at E/R.	1	lot	
		- Conduct inspection to the			
		corroded piping system and			
		valve elbow flanges			
		- Replacement of worn-out,			
		deteriorated and leaking pipes			
		and valve elbow flanges			
		- Power tooling of newly			
		Installation of ed and old piping			
		system			
		- Painting of newly Installed			
		pipings, fittings and old piping			
		system			
		- Naming and labeling of pipes			
		and valves			
		- Materials and Paintings to be			
		supplied by Shipyard			
		Conduct chipping & sanding	25	sq.m	
		1FC Anti Corrosive	25	sq.m	
		1FC Top Coat	25	sq.m	
		- Supply of Paints to be	50	sq.m	
		supplied by Shipyard for 2coats		-	
		system			
	10	Crew's Head , Officer's Head	1	lot	
		up to sewage tank.			
		- Conduct inspection to the			
		corroded piping system and			
		valve elbow flanges			
		- Replacement of worn-out,			
		deteriorated and leaking pipes			
		and valve elbow flanges			

1 1	1	D (); ()	1	1	1
		 Power tooling of newly Installation of ed and old piping 			
		system			
		- Painting of newly Installed			
		pipings, fittings and old piping			
		system			
		 Naming and labeling of pipes and valves 			
		- Materials and Paintings to be			
		supplied by Shipyard			
		Conduct chipping & sanding	25	sq.m	
		1FC Anti Corrosive	25	sq.m	
		1FC Top Coat	25	sq.m	
		- Supply of Paints to be	50	sq.m	
		supplied by Shipyard for 2coats system			
		- Crop out and Replacement of	1	lot	
		Sea chest strainer box, breather P/S.			
		- Conduct Inspection and	1	lot	
		Replacement to the corroded			
		three way pipe line - Replacement of lavatory door	1	lot	
		and divider.	-	101	
		-Crop out and Replacement of	1	lot	
		worn-out sea water supply pipe line and faucet.			
	11	Replacement of damaged	1	lot	
		toilet bowl.			
		-Painting of newly Installed			
		pipes, fittings and old piping			
		system. Conduct chipping & sanding	25	sq.m	
		1FC Anti Corrosive	25	sq.m	
		1FC Top Coat	25	sq.m	
		- Supply of Paints to be	50	sq.m	
		supplied by Shipyard for 2coats		J 59.111	
		system			
	12	Supply and delivery drainage strainer	1	lot	
	13	Ballast piping 1, 2, 3, 4 & wing tank.	1	lot	
	14	Conduct inspection to the	1	lot	
		corroded piping system and			
		valve elbow flanges			

		- Replacement of and repair the piping system and valve elbow			
		flanges - Replacement of worn-out,			
		deteriorated and leaking pipes and valve elbow flanges			
		 Power tooling of newly Installation of ed and old piping system 			
		- Painting of newly Installation of new and old piping system			
		Conduct chipping & sanding	25	sq.m	
		1FC Anti Corrosive	25	sq.m	
		1FC Top Coat	25	sq.m	
		- Supply of Paints to be supplied by Shipyard for 2coats system	50	sq.m	
	15	Sea lube & fuel pipes line of P/S Main Engine, P/S Auxiliary and Harbor Generator	1	lot	
		 Dismantling of lube & fuel pipes of P/S main engines and Auxiliary Engine P/S prior 			
		chemical treatment.			
		 Conduct chemical treatment (pickling) on the lube and fuel oil pipes of P/S main Engine 			
		- Utilize a boiler while performing hammering in said pipes and Conduct internal			
		sandblasting as necessary - Conduct final oil flushing on			
		the pipes prior Installation			
		- Conduct re-Installation of lube			
$\sqcup \downarrow$		and fuel oil pipes			
		MPS AND PIPING SYSTEM			
	1	Provide and Installation of brand new pumps as follows:			
		a. Fire Pump 15HP	1	lot	
		- Centrifugal Pump with coupling coupled to 15HP			
		- 3600RPM			
		- 3 phase electric motor			
		- 440V-480V			
		- Centrifugal Type with coupling coupled to 15HP			
		- 3600RPM			

	- 60 Hertz			
	- 3 phase electric motor			
	- 220V			
	c. Bilge Pump 15HP	1	lot	
	- Centrifugal Type with			
	coupling coupled to 15HP			
	- 3600RPM			
	- 60 Hertz			
	- 3 phase electric motor			
	- 220V			
	- Centrifugal Type with coupling coupled to 2.2HP			
	- Kilowatts			
	- 3 Phase			
	- 220V/440V			
	- 50 Hertz			
	- 2900 RPM			
	e. Fresh Water Pump Motor No. 1	1	lot	
	- Centrifugal Type with			
	coupling coupled to 2.2HP			
	- 3 Phase			
	- 220V/440V			
	- 50/60 Hertz			
2	Fresh Water Pump No.2	1	lot	
	-Replacement of Fresh water Pump No.2 effective mechanical seal			
	-Supply, Delivery, and Installation of lack of Fresh water Pump No.2 gate valve			
3	Hydraulic Oil Sea Water Pump	1	lot	
	- repair and Recondition of Leaked of ,unusual sound			
	and grounded Hydraulic Oil Sea Water Pump			
4	Overflow of tanks	1	lot	
	- Replacement of Corroded and broken overflow of tank			
5	Replacement of Leaked of Hydraulic Pipe lines and Fitting of Cargo Winch Nr.1, Cargo Winch Nr.2 and Slewing Winch of Derrick Boom	1	lot	

	HULL GAUGING & QUALITY CONTROL WORKS			
1	Ultrasonic Thickness Gauging			
	- Conduct ultrasonic gauging on bottom and side shell plates.			
	- Based on : 4 spots per plate.	800	spots	
	- Hammer test, inspect hull & marked suspected areas before dock	1	/occasion	
	- Hull survey/inspection prior undocking	1	/occasion	
2	Shell Expansion Plan	1	lot	
	- Trace and provide four (4) copies of Shell Expansion Plan indicating			
	latest UTG results and renewed shell plates if any,			
	signed and sealed by a licensed Naval Architect'			
3	Provide four (4) copies ship repair booklet.	1	lot	

Requirement/s if awarded the contract:

- A. Delivery and Inspection Site:
- 1. **Project Completion Period:** BRP CORREGIDOR (AE-891) Within **One Hundred Twenty (120) calendar days** from receipt of Notice to Proceed.
- 2. **Project Delivery Site:** The winning bidder's <u>owned and/or with JVA exclusive</u> Dry-Docking facility with MARINA Certificate of at least Class C Shipyards for Ship Building and Ship Repair (SBSR) Facilities.
- B. During Post Qualification:
- 1. The winning contractor having the Lowest or Single Calculated Responsive Bid (L/SCRB) shall present the original submitted documents specifically the Class "A" eligibility documents supporting the PhilGEPS Certificate of Registration and Membership for verification and validation of authenticity and validity in accordance with Section 34.3 of the Implementing Rules and Regulations (IRR) of RA 9184.
- 2. The winning Contractor having the Lowest or Single Calculated Responsive Bid (L/SCRB) shall present valid and updated **Ship's Repair Insurance Liability Certificate** during the visit of TWG and BAC Secretariat in the Contractor's facility/shipyard.

- 3. Bidder must secure a Certificate of No Slippage and Certificate of Good Standing issued by the Project Management Office (PMO) of the Procuring Entity (PE) that shall be presented during the post-qualification.
- C. Inspection and Acceptance
- 1. The **CONTRACTOR** shall conduct sea trials for satisfactory result prior acceptance.
- 2. The contractor must be capable of providing tug services to tow the vessel during sea trials conducted by PCG TIAC and subject vessel.
- 3. Upon satisfactory completion of works and testing, a Certificate of Acceptance on all completed works shall be properly signed by members of the PCG TIAC.
- D. Warranty Period/ Coverage of Warranty:

Warranty:

- 1. One (1) year warranty after the issuance of the Certificate of Final Acceptance.
- 2. The One (1) year warranty period shall be reckoned from the date of issuance of the certificate of final acceptance. However, if the same defects occurred for **two** (2) consecutive times within the warranty period on a particular part/item and its attendant part, the warranty period shall be automatically extended for a period of six (6) months after the expiration of the original warranty period. The said item should be repaired and/or replaced within 15 days from the receipt notice.

E. Payment

Payment should be made after the completion and acceptance of the Retrofitting of BRP CORREGIDOR (AE-891).

- F. Other Requirements to be submitted by the Bidder during Bid Submission and Opening to be packaged in the First Envelope under the Technical Requirements:
- 1. Bidder must secure a valid and updated ISO 9001:2015 applicable to Ship Building and Ship Repair (SBSR) and/or Ship Repair (SR), Certification issued by any member of IACS (International Association of Classification Society).
- 2. Bidder must secure a Certificate of Inspection signed by the Commanding Officer of the vessel after conduct of inspection for confirmation of scope of work on the Retrofitting of BRP CORREGIDOR (AE-891).

Terms and Conditions

The CONTRACTOR shall present the status of repair to the CPCG (ATTN:CG-10) and CGFLEET (ATTN: F10/MRG) which will be conducted every week on the preferred date of their authorized representatives by way of a PowerPoint presentation. Electronic and hard copies of the presentation shall also be provided. 2 In case the implementation of works covered under this contract could not proceed, unless growth repairs and/or necessary works have been conducted, the supplier should request from the Head of the Procuring Entity for the extension of the period of delivery. In the event the request of the supplier for extension of delivery period is granted, or the contract was suspended due to force majeure, the Procuring Entity shall not be held liable for any additional charges such as, but not limited to, wharfage, laydays and incidental costs arising from the extension or suspension of contract. 4 Once the CONTRACTOR has started any of the contracted work, such as docking of the vessel, it is the obligation of the CONTRACTOR to protect the vessel from any damage attached until the same has been delivered and accepted by the Procuring Entity. The CONTRACTOR should dry-dock the vessel in its owned and/or with JVA exclusive dry-docking facility capable of protecting the same from natural calamities which necessitates the CONTRACTOR to relaunch or undock the vessel, CONTRACTOR SHOULD NOT charge or bill the Procuring Entity for any amount of whatever nature arising from relaunching and re-docking thereof. The **CONTRACTOR** must provide adequate firefighting personnel with the necessary firefighting equipment for the entire duration of the repair. 7 The **CONTRACTOR** shall be held liable for any damages incurred on the ship and/or personnel due to the CONTRACTOR 's fault or negligence for the entire duration of the contract The winning CONTRACTOR's facility shall be free of health 8 materials/substances. If there are specifications that require the opening of machinery, piping, fittings, and other equipment, it is understood that the CONTRACTOR shall close such machinery, piping, fittings, and other equipment, back to their original condition. 10 Should the **CONTRACTOR** require the removal or shifting of any part of the vessel's fittings, stores, fuel, water, outfit, equipment, or piping for carrying out the work specified or implied, it shall remove the same at its own cost, and such removals shall be subsequently reinstalled in a satisfactory manner without cost to the Procuring Entity. The CONTRACTOR shall be held responsible for the protection of existing and newly installed equipment and materials. Any loss or damage due to the CONTRACTOR's fault shall be renewed/restored/repaired at the **CONTRACTOR**'s expense. All interferences necessary to accomplish the work activities shall be removed and restored to their original condition without cost to the Procuring Entity. All metal scraps, ferrous or non-ferrous, fittings, machineries and equipment parts dismantled and removed from the vessels and replaced with new ones by the **CONTRACTOR** resulting from the actual repair of the vessel conducted by the **CONTRACTOR** shall remain the property of the PCG and shall, after completion of the work, be accounted for IAW proper PCG accounting procedures.

13	The CONTRACTOR shall submit the After Repair Completion Report to the procuring entity [CPCG (Attention: DCCGS for Ships and Aircraft Engineering, CG-10)] prior payment of the services rendered. Copy furnished CGFLEET (ATTN: F10/MRG)
14	The CONTRACTOR shall notify the CGFLEET/ CG-10 at least five days (5) days before the conduct of any shipboard test and seven (7) days before conducting sea trials.
15	The CONTRACTOR shall not disclose/divulge any information and communication, whether oral or written, to any other person or entity, without the express written consent of the PCG. It includes non-disclosure of, but not limited, to the following: a) Bidding Document, b) Technical Specification of the Project, c) Annual Procurement Plan and related Project Procurement Management Plan, d) Proposals.
16	As part of the contractual obligations, the CONTRACTOR shall be held liable for any damages incurred on the vessel during the conduct of towing services and repair activities. Further, this liability extends until the completion of the project and final acceptance of TIAC.
	x-x-x-x-x-x Nothing Follows x-x-x-x-x-x
[Sign	ature of the Authorized Rep.] [in the capacity of] (Please indicate position of Authorized Rep.)



Section VIII. Checklist of Technical and Financial Documents

Checklist of Technical and Financial Documents

Bidders shall submit their bids through their duly authorized representative using the forms specified in the Bidding Documents in **two** (2) **separate sealed bid envelopes** (**first envelope is for technical component**; **second envelope is for financial component**). Both envelopes shall be packaged and contained in one sealed main envelope.

Bidders shall submit a total of five (5) main envelopes. However, failure of the Bidders to submit additional envelopes shall not be a ground for disqualification.

All envelopes shall:

- a. contain the name of the contract to be bid in **capital letters**;
- b. bear the name and address of the Bidder in capital letters;
- c. be addressed to the BAC with the following details:

BIDS AND AWARDS COMMITTEE (BAC) PHILIPPINE COAST GUARD – NATIONAL HEADQUARTERS

- d. bear the specific identification of this bidding process; and
- e. bear a warning "**DO NOT OPEN BEFORE...**" the date and time for the opening of bids.

I. TECHNICAL COMPONENT ENVELOPE

Class "A" Documents

Legal Documents

a) Valid and updated Philippine Government Electronic Procurement System (PhilGEPS) Registration Certificate (Platinum Membership) (all pages) in accordance with Section 8.5.2 of the 2016 Revised IRR of RA No. 9184, provided that all of the eligibility documents submitted to PhilGEPS are maintained and updated in accordance with GPPB Resolution No. 15-2021;

The PhilGEPS Certificate of Platinum Registration and Membership in accordance with Section 8.5.2 of the 2016 revised IRR of RA No. 9184 shall contain the following caveat to reflect that through the submission of said Certificate, the Bidder certifies:

- a) the authenticity, genuineness, validity, and completeness of the copy of the original eligibility documents submitted;
- b) the veracity of the statements and information contained therein;
- c) that the Certificate is not a guaranty that the named registrant will be declared eligible without first being determined to be such for that

- particular bidding nor is it evidence that the same has passed the postqualification stage; and
- d) that any finding of concealment, falsification, or misrepresentation of any of the eligibility documents submitted, or the contents thereof shall be a ground for disqualification of the Bidder from further participation in the bidding process, without prejudice to the imposition of appropriate administrative, civil and criminal penalty in accordance with the laws.

It shall likewise state that for the purpose of updating the said Certificate, all Class "A" Eligibility Documents covered by Section 8.5.2 of the 2016 revised IRR of RA No. 9184 supporting the veracity, authenticity and validity of the Certificate shall remain current and updated, and that failure by the prospective bidder to update its Certificate with the current and updated Class "A" Eligibility Documents covered by the afore-cited Section of the same IRR shall result in the automatic suspension of the validity of its Certificate until such time that all of the expired Class "A" Eligibility Documents has been updated.

A printed version of the valid and updated PhilGEPS Certificate of Platinum Registration and Membership shall constitute compliance and need not be stamped with "Certified True Copy". However, the authenticity and validity of the submitted PhilGEPS Certificate of Platinum Registration and Membership of the SCB/LCB shall be verified during the conduct of Post-Qualification.

During the conduct of post-qualification, the SCRB/LCRB shall be requested to submit the following:

- 1. Securities and Exchange Commission (SEC) Registration Certificate for corporations, partnerships and/or joint ventures, Department of Trade and Industry (DTI) Registration Certificate for sole proprietorship, or Cooperative Development Authority (CDA) Registration Certificate for cooperatives;
- 2. Valid Mayor's or Business Permit issued by the city or municipality where the principal place of business of the prospective bidder is located, or the equivalent document for Exclusive Economic Zones or Areas.
- 3. Valid Tax Clearance Certificate per Executive Order (E.O.) No. 398, series of 2005, as finally reviewed and approved by the Bureau of Internal Revenue (BIR); **AND**
- 4. Latest AFS stamped "received" by the BIR or its duly accredited and authorized institutions, for the preceding calendar year. In case the AFS for the preceding calendar year is not yet available, said AFS should not be earlier than two (2) years from the deadline for the Submission and Receipt of Bids.

Technical Documents

(b) Statement of the prospective bidder of all its ongoing government and private contracts, including contracts awarded but not yet started, if any, whether similar or not similar in nature and complexity to the contract to be bid.

The Statement of all On-going Government and Private Contracts shall indicate for each contract, the following:

- name of the contract;
- date of the contract;
- contract period;
- owner's name and address;
- kinds of goods;
- amount of contract and value of outstanding contracts; and
- date of delivery (please state estimated date of delivery)

Non-submission of copies of the NOA, Contract/Purchase Order and NTP on the deadline for the Submission and Receipt of Bids shall not be a ground for the bidder's disqualification. However, the bidder having the Lowest/Single Calculated Bid shall be requested by the Technical Working Group (TWG) to provide copies of the aforesaid documents as part of the verification and validation process during post-qualification.

During the conduct of post-qualification, the SCB/LCB are required to submit copies of the Notices of Award (NOA), Contract/Purchase Order and Notice to Proceed (NTP) for all on-going government contracts. On the other hand, for on-going private contracts, bidders shall submit a copy of its contract and/or other equivalent documents of the NOA and NTP, if any.

(c) Statement of the bidder's Single Largest Completed Contract (SLCC) similar to the contract to be bid and completed within the last five (5) years commencing from the deadline for the Submission and Receipt of Bids amounting to at least twenty-five percent (50%) of the ABC, detailed as follows:

DESCRIPTION	MINIMUM AMOUNT OF THE SLCC
Retrofitting of BRP CORREGIDOR (AE-891)	PhP22,562,561.30

The statement identifying the Single Largest Completed Contract (SLCC) shall indicate the following:

- (a) name of the contract;
- (b) date of the contract;
- (c) contract duration;
- (d) owner's name and address;
- (e) kinds of goods;
- (f) amount of completed contracts, adjusted by the bidder to current prices using PSA's consumer price index, if necessary for purposes of meeting the SLCC requirement;

- (h) date of delivery (actual date of delivery for the single largest completed contract); and
- (i) end user's acceptance or official receipt(s) or sales invoice issued for the contract, Notice to Proceed and Purchase Order which shall be attached to the statement of SLCC.

The bidder's SLCC similar to the contract to be bid should have been completed within five (5) years prior to the deadline for the submission and receipt of bids.

During the conduct of post-qualification, the SCB/LCB are required to present the following in support of its submitted SLCC:

- a. If the contracting party is a Procuring Entity:
 - a.1. Entire set of the Contract, Purchase Order or Memorandum of Agreement;
 - a.2. NOA; and
 - a.3. NTP
- b. If the contracting party is a private company:
 - b.1. Entire set of the Contract, Purchase Order or other equivalent document.
- (d) Original copy of Bid Security. If in the form of a Surety Bond, submit also a certification issued by the Insurance Commission. The Bid Security shall be in any of the following prescribed forms and amounts:
 - The amount of not less than to two percent (2%) of ABC or PhP902,502.45, if bid security is in cash, cashier's/manager's check, bank draft/guarantee or irrevocable letter of credit; or
 - The amount of not less than to **five percent (5%) of ABC or PhP2,256,256.13** if bid security is in Surety Bond.

OR;

Original copy of Notarized Bid Securing Declaration (BSD);

- (e) Conformity with the Technical Specifications, which may include production/delivery schedule, manpower requirements, and/or aftersales/parts, if applicable; and
- (f) Original duly signed Omnibus Sworn Statement (OSS) and if applicable, Original Special Power of Attorney for sole proprietorships, Notarized Secretary's Certificate/Board Partnership Resolution in case of a corporation, partnership, or cooperative; or Original Special Power of Attorney of all members of the joint venture giving full power and authority to its officer to sign the OSS and do acts to represent the Bidder.

Reminder: If the prospective bidder's representative who will attend the Submission, Receipt, Opening and Preliminary Examination of Bids is different from the authorized representative to do, execute and perform any

and all acts necessary and/or to represent the prospective bidder in the bidding, then the prospective bidder can include the name/s of said representative in the above-mentioned proofs of authorization (e.g., original copy of the duly notarized Secretary's Certificate for corporations, Board/Partnership Resolution for partnerships, corporations, and/or joint ventures or an original copy of the Special Power of Attorney for sole proprietorships, whichever is applicable)

Financial Documents

(g) The prospective bidder's computation of Net Financial Contracting Capacity (NFCC);

Bidders must submit a computation of its NFCC, which must be at least equal to the sum of the ABC to be bid.

The minimum amount of the NFCC computation is at least **PhP45,125,122.60**

NFCC = [(Current assets minus current liabilities) (15)] minus the value of all outstanding or uncompleted portions of the projects under ongoing contracts, including awarded contracts yet to be started, coinciding with the contract to be bid.

The values of the domestic bidder's current assets and current liabilities shall be based on the latest Audited Financial Statements submitted to the BIR.

For purposes of computing the foreign bidders' NFCC, the value of the current assets and current liabilities shall be based on their audited financial statements prepared in accordance with international financial reporting standards.

OR

A committed Line of Credit from a Universal or Commercial Bank in lieu of its NFCC computation.

If the prospective bidder opts to submit a committed Line of Credit, it must be at least equal to ten percent (10%) of the total ABC to be bid if issued by a foreign universal or commercial bank, it shall be confirmed or authenticated by a local universal or commercial bank.

The amount of the committed line of credit must be at least in the total amount of PhP4,512,512.26.

Class "B" Documents

(h) If applicable, a duly signed joint venture agreement (JVA) in case the joint venture is already in existence; or duly notarized statements from all the

potential joint venture partners stating that they will enter into and abide by the provisions of the JVA in the instance that the bid is successful.

Failure to enter into a joint venture in the event of a contract award shall be ground for the forfeiture of the bid security.

Each partner of the joint venture shall submit their respective valid and updated PhilGEPS Platinum Certificate of Registration and Membership in accordance with Section 8.5.2 of the 2016 Revised Implementing Rules and Regulations (IRR) of Republic Act (R.A.) No. 9184.

The submission of technical and financial eligibility documents by any of the joint venture partners constitutes compliance: *Provided*, That the partner responsible to submit the NFCC shall likewise submit the Statement of all of its ongoing contracts and Audited Financial Statements.

II. FINANCIAL COMPONENT ENVELOPE

- (i) Original of duly signed and accomplished Financial Bid Form; and
- (j) Original of duly signed and accomplished Price Schedule(s).

All financial bids shall be rounded up to two (2) decimal places.

ADDITIONAL REQUIREMENTS TO BE COMPLIED BY THE WINNING SUPPLIER:

Within ten (10) calendar days from receipt of the Notice of Award (NOA), the winning supplier shall submit a Performance Security in accordance with the following schedule pursuant to Section 39 of the 2016 Revised IRR of R.A. 9184 which shall be denominated in Philippine Pesos, posted in favor of the Philippine Coast Guard and shall remain valid until issuance by the Philippine Coast Guard of the Certificate of Final Acceptance, to wit:

- a) Cash, cashier's/manager's check issued by a Universal or Commercial Bank;
- b) Bank draft/ guarantee or irrevocable letter of credit issued by a Universal or Commercial Bank; Provided, however, that it shall be confirmed or authenticated by a Universal or Commercial Bank, if issued by a foreign bank

Price]

[at least Thirty Percent (30%) of the Contract

the project

Surety Bond, callable upon demand issued

by a surety or insurance company duly

certified by the Insurance Commission authorized to issue said security specific for

[at least Two Percent (5%) of the Contract Price]

The end-user or implementing units shall be responsible in monitoring the validity of the performance security.



Section IX. Bidding Forms TABLE OF CONTENTS

BID FORM	41
PRICE SCHEDULES	43
CONTRACT AGREEMENT	45
OMNIBUS SWORN STATEMENT	48
BID SECURING DECLARATION	50
STATEMENT OF ALL ON-GOING CONTRACTS	53
STATEMENT OF THE SINGLE LARGEST COMPLETED CONTRACT	54
NFCC COMPUTATION	55
DIAGRAM FOR THE SEALING AND MARKING OF BIDS	58

BID FORM

Date:	
Project Identification No.	

To: [name and address of Procuring Entity]

Having examined the Philippine Bidding Documents (PBDs) including the Supplemental or Bid Bulletin Numbers [insert numbers], the receipt of which is hereby duly acknowledged, we, the undersigned, offer to [supply/deliver/perform] [description of the Goods] in conformity with the said PBDs for the sum of [total Bid amount in words and figures] or the total calculated bid price, as evaluated and corrected for computational errors, and other bid modifications in accordance with the Price Schedules attached herewith and made part of this Bid. The total bid price includes the cost of all taxes, such as, but not limited to: [specify the applicable taxes, e.g. (i) value added tax (VAT), (ii) income tax, (iii) local taxes, and (iv) other fiscal levies and duties], which are itemized herein or in the Price Schedules,

If our Bid is accepted, we undertake:

- a. to deliver the goods in accordance with the delivery schedule specified in the Schedule of Requirements of the Philippine Bidding Documents (PBDs);
- b. to provide a performance security in the form, amounts, and within the times prescribed in the PBDs;
- c. to abide by the Bid Validity Period specified in the PBDs and it shall remain binding upon us at any time before the expiration of that period.

[Insert this paragraph if Foreign-Assisted Project with the Development Partner: Commissions or gratuities, if any, paid or to be paid by us to agents relating to this Bid, and to contract execution if we are awarded the contract, are listed below:

Name and address Amount and Purpose	of agent Currency, Commiss	sion or gratuity
(if none, state "None")]		

Until a formal Contract is prepared and executed, this Bid, together with your written acceptance thereof and your Notice of Award, shall be binding upon us.

We understand that you are not bound to accept the Lowest Calculated Bid or any Bid you may receive.

We certify/confirm that we comply with the eligibility requirements pursuant to the PBDs.

The undersigned is authorized to submit the bid on behalf of [name of the bidder] as evidenced by the attached [state the written authority].

We acknowledge that failure to sign each and every page of this Bid Form, including the attached Schedule of Prices, shall be a ground for the rejection of our bid.

Name:	
Legal capacity:	
Signature:	
Duly authorized to sign the Bid for and behalf of:	
Date:	

For Goods Offered From Abroad [shall be submitted with the Bid if bidder is offering goods from Abroad]

Kindly supply the required information in the spaces provided. Do not forget to indicate the "Country of Origin" of the goods offered.

Any alteration to any of the terms and conditions contained in the document may cause your disqualification except if said alteration or revision is a result of a Supplemental/Bid Bulletin.

Name of Bidder 1	Invitation to Bid Number Page of
------------------	----------------------------------

	Description	Country of origin	Quantity	Unit price CIF port of entry (specify port) or CIP named place (Specify border point or place of destination)	Total CIF or CIP price per item (col. 4 x 5)	Unit Price Delivered Duty Unpaid (DDU)	Unit price Delivered Duty Paid (DDP)	Total Price delivered DDP (col 4 x 8)
DF	RYDOCKING WORKS							
1	Docking and Undocking (1 occasion)		1					
2	Dock Preparation and Block Arrangement							
	Hull Keel Block 28 blocks		28					
	Hull Side Block Port & Stbd 28 blocks		28					
3	Re-arranging/shifting blocks due to replating works.							

	Removal of Blocks 56 blocks	56		
	Relocation of Block 56 blocks	56		
	Installation of Shoring Post 2 pcs	2		
4	Drydock lay days rental, 100 days	100		
5	Mooring and Unmooring - arrival, docking, undock, depart	4		
6	Gangway for access during vessel stay at yard 2 times	2		
7	Wharfage - to provide berth side for afloat 10 days	10		
8	VESSEL MOVEMENT AND SECURING			
	Provide tugboat services assistance during: Vessel Movement (Arrival, Docking, Undocking/ Shipside, Sea trial, Departure)	1		
<u>GE</u>	NERAL SERVICES/MISCELLANEOUS			
1	Provide following:			
	Safety Firewatch - SOP, 100 days	100		
2	Fire line Supply (SOP)			
	Connect and disconnect,	2		
	Daily maintained pressure supply , for 100 days	100		
	Security Guard - SOP, 100 days	100		
	Garbage Disposal, @ 5tons per month 15 tons	15		
	Gas Free Inspection , assume 50 occasion 4 tanks 50 occasion	200		
3	Disposal waste and contaminated oil with issued certificate	15		
	Scaffolding / Staging			
	2 mW x 6 mH 56 mL 2 sets 1559.04 cu.m - Hull staging mW x 6 mH 56 mL 2 sets	1559.04		

	2 mW x 6 mH 10 mL 1 sets 132 cu.m – Propulsion mW x 6 mH 10 mL 1 sets	132		
	Yard's Equipment Usage			
	a) Forklift usage, 50 unit/hrs	50		
	b) Crane usage - up to 25T, 50 unit/hrs	50		
	Crane Mobilization/demobilization 1 unit/hrs	1		
	c) Scissor Lift for blasting and painting access 15 unit/hrs	15		
	d) Cherry picker for blasting and painting access 15 unit/hrs	15		
DO	CK HANDS			
1	Range down and restow of anchor and anchor chain P/S side.	2		
	Laydown of anchor and anchor chain at floor P/S side.			
	Disconnect / reconnect bitter ends.	2		
	Calibrate anchor chain and submit result to owner rep.	2		
2	Supply of fresh water (Assume)	50		
	- Connect / disconnect	1		
3	Engine Bilge			
	- High Pressure wash.	25		
	- Pump-out	3.27		
	- Connect / disconnect.	1		
	- Clean-up and wipe dry.	3.78		
	- Conduct chipping & sanding	25		
	1FC Anti Corrosive	25		
	1FC Top Coat	25		
	- Supply of Paints to be supplied by Shipyard for 2coats system	50		

4	Steering Room]
	- High Pressure wash.	45		
	- Pump-out	10		
	- Connect / disconnect.	1		
	- Clean-up and wipe dry.	45		
	- Conduct chipping & sanding	45		
	1FC Anti Corrosive	45		
	1FC Top Coat	45		
	- Supply of Paints to be supplied by Shipyard for 2coats system	90		
5	Forward Pump Room:			
	- Conduct cleaning, chipping, sanding and apply two (2) coats high performance paint			
	- Clean-up and wipe dry.	50		
	- Conduct chipping & sanding	50		
	1FC Anti Corrosive	50		
	1FC Top Coat	50		
	- Supply of Paints to be supplied by Shipyard for 2coats system	100		
6	Void Tank located at Armory			
	- Void Tank located at Armory - conduct cleaning, chipping, sanding, and			
	apply two (2) coats high performance paint			
	- Clean-up and wipe dry.	50		
	- Conduct chipping & sanding	50		
	1FC Anti Corrosive	50		
	1FC Top Coat	50		

	- Supply of Paints to be supplied by Shipyard for 2coats system	100		
7	Forepeak Tank			
	- Conduct cleaning, chipping, sanding, and apply two (2) coats high performance paint			
	- Clean-up and wipe dry.	22.63		
	- Conduct chipping & sanding	22.63		
	1FC Anti Corrosive	22.63		
	1FC Top Coat	22.63		
	- Supply of Paints to be supplied by Shipyard for 2coats system	45.26		
8	Aft Peak Tank			
	- Bailing-out of existing hydraulic oil, clean with soap and apply pressurized washing			
	- Bail out mud and existing hydraulic oil/dirty oil	2		
	- Clean with soap and degreasing of tanks.	30		
	- High pressure wash entire tank	30		
	- Clean-up and wipe dry.	30		
9	Chain locker room			
	- Conduct cleaning, chipping, sanding, and apply two (2) coats high performance paint			
	- Clean-up and wipe dry.	4		
	- Conduct chipping & sanding	4		
	1FC Anti Corrosive	4		
	1FC Top Coat	4		
	- Supply of Paints to be supplied by Shipyard for 2coats system	8		
ELI	ECTRICAL / ELECTRONIC WORKS			
1	Shore line Power			

	Connect and disconnect	1 1		
	Electrical power consumption , assume; 9,000 kw-hrs	9000		
2	Temporary Lighting - 90 days 4 units	360		
3	Electrical Megger Testing			
	0- 25 KW	10		
	26 KW- 50 KW	20		
	51KW-100KW	2		
	101 KW- 500 KW	2		
4	Ventilation / Blower, 60 days 2 units	120		
5	Installation of Marine Growth Prevention System	1		
	Check Marine Cathodic system and inspect operational system			
	Renew all damaged parts rectify all grounding system and terminate new Cathodic system			
	Check and test cathodic system, ensure line continuity.			
6	Repair of Steering control system (P/S)	1		
	Check the steering systems to locate fault.			
	Troubleshoot the control systems, manually trace the signal or command			
	to the steering, adjust the feedback unit, adjust and calibrate the signal			
	from non-follow unit and follow up unit.			
	Megger test the electric motor drive of power pack.			
	Set the steering blade into zero position and to maximum at port and Stbd			
	Set and calibrate the indicator to zero position.			
	Overhaul the steering motor at port and stbd side.			

1		1	1	1	1	
	Layout the power cable. Connect the power supply and					
	test.					
	Renew the defective steering monitor with brand new					
	BW144					
	Standard Analog Variant 0-240deg., Standard Pointer,					
	CW Analog					
	angle 295129002005 Part number 295129002005 BW144					
Ref	urbishment, Rewiring, Repair/Renew Doors/and Door					
kno	obs, Replacement of Lights/ outlet, and Repair					
Da	nage Bunks, Cabinets, Tables, Chairs, Walling's,					
Flo	orings, Ceilings and Stairways of the followings:					
1	Wheel House areas					
	Refurbishment, Cleaning, de-rusting, chip off rust & wipe					
	it dry & paint.					
	Bail-out mud	3				
	Clean & Wipe Dry	1				
	Internal sanding & disc grinding	23.1				
	Repainting of Wheel House internals- 1 coat Epoxy anti- corrosive	23.1				
	Repainting of Wheel House internals- 1 coat Epoxy anti- corrosive	23.1				
	Repainting of Wheel House internals- 1 coat Epoxy top coat paints	23.1				
	Repainting of Wheel House internals- 1 coat Epoxy top coat paints	23.1				
	Yard supply paints & thinners for 2coat systems, 157m ²	46.2				
	Carpentry works	23.1				
2	Chart Space areas					
	Refurbishment, Cleaning, de-rusting, chip off rust & wipe it dry & paint.					

	Bail-out mud	1 1		
	Clean & Wipe Dry	1		
	Internal sanding & disc grinding	2		
	Repainting of Chart Space internals- 1 coat Epoxy anti- corrosive	2		
	Repainting of Chart Space internals- 1 coat Epoxy anti- corrosive	2		
	Repainting of Chart Space internals- 1 coat Epoxy top coat paints	2		
	Repainting of Chart Space internals- 1 coat Epoxy top coat paints	2		
	Yard supply paints & thinners for 2coat systems, 57m ²	4		
	Carpentry works	2		
3	C/M (1) areas,			
	Refurbishment, Cleaning, de-rusting, chip off rust & wipe it dry & paint.			
	Bail-out mud	1		
	Clean & Wipe Dry	1		
	Internal sanding & disc grinding	6.5		
	Repainting of C/M (1) internals- 1 coat Epoxy anti- corrosive	6.5		
	Repainting of C/M (1) internals- 1 coat Epoxy anti- corrosive	6.5		
	Repainting of C/M (1) internals- 1 coat Epoxy top coat paints	6.5		
	Repainting of C/M (1) internals- 1 coat Epoxy top coat paints	6.5		
	Yard supply paints & thinners for 2coat systems, 45.24m ²	13		
	Carpentry works	6.5		

4 MAS (1) and - MAS (BED) areas 72.80 sq.m			
Refurbishment, Cleaning, de-rusting, chip off rust & wipe it dry & paint.			
Bail-out mud	1		
Clean & Wipe Dry	1		
Internal sanding & disc grinding	72.8		
Repainting of MAS (1) and - MAS (BED) internals- 1 coat Epoxy anti-corrosive	72.8		
Repainting of MAS (1) and - MAS (BED) internals- 1 coat Epoxy anti-corrosive	72.8		
Repainting of MAS (1) and - MAS (BED) internals- 1 coat Epoxy top coat paints	72.8		
Repainting of MAS (1) and - MAS (BED) internals- 1 coat Epoxy top coat paints	72.8		
Yard supply paints & thinners for 2coat systems, 72.80m ²	145.6		
Carpentry works	72.8		
5 C/E (1) areas			
Refurbishment, Cleaning, de-rusting, chip off rust & wipe it dry & paint.			
Bail-out mud	1		
Clean & Wipe Dry	1		
Internal sanding & disc grinding	9		
Repainting of C/E (1) internals- 1 coat Epoxy anti- corrosive	9		
Repainting of C/E (1) internals- 1 coat Epoxy anti- corrosive	9		
Repainting of C/E (1) internals- 1 coat Epoxy top coat paints	9		
Repainting of C/E (1) internals- 1 coat Epoxy top coat paints	9		

	Yard supply paints & thinners for 2coat systems,	18		1 1
	45.44m²			
	Carpentry works	9		
6	2/E (1) areas			
	Refurbishment, Cleaning, de-rusting, chip off rust & wipe it dry & paint.			
	Bail-out mud	1		
	Clean & Wipe Dry	1		
	Internal sanding & disc grinding	6		
	Repainting of 2/E (1) internals- 1 coat Epoxy anti- corrosive	6		
	Repainting of 2/E (1) internals- 1 coat Epoxy anti- corrosive	6		
	Repainting of 2/E (1) internals- 1 coat Epoxy top coat paints	6		
	Repainting of 2/E (1) internals- 1 coat Epoxy top coat paints	6		
	Yard supply paints & thinners for 2coat systems, 40.20m ²	12		
	Carpentry works	6		
7	2/M (1) areas			
	Refurbishment, Cleaning, de-rusting, chip off rust & wipe it dry & paint.			
	Bail-out mud	1		
	Clean & Wipe Dry	1		
	Internal sanding & disc grinding	6		
	Repainting of 2/M (1) internals- 1 coat Epoxy anti- corrosive	6		
	Repainting of 2/M (1) internals- 1 coat Epoxy anti- corrosive	6		

	Repainting of 2/M (1) internals- 1 coat Epoxy top coat paints	6		
	Repainting of 2/M (1) internals- 1 coat Epoxy top coat paints	6		
	Yard supply paints & thinners for 2coat systems, 41.30m ²	12		
	Carpentry works	6		
8	3/M (1) areas			
	Refurbishment, Cleaning, de-rusting, chip off rust & wipe it dry & paint.			
	Bail-out mud	1		
	Clean & Wipe Dry	1		
	Internal sanding & disc grinding	6		
	Repainting of 3/M (1) internals- 1 coat Epoxy anti- corrosive	6		
	Repainting of 3/M (1) internals- 1 coat Epoxy anti- corrosive	6		
	Repainting of 3/M (1) internals- 1 coat Epoxy top coat paints	6		
	Repainting of 3/M (1) internals- 1 coat Epoxy top coat paints	6		
	Yard supply paints & thinners for 2coat systems, 40.20m ²	12		
	Carpentry works	6		
9	P. LAV areas			
	Refurbishment, Cleaning, de-rusting, chip off rust & wipe it dry & paint.			
	Bail-out mud	1		
	Clean & Wipe Dry	1		
	Internal sanding & disc grinding	5		

	Repainting of P. LAV internals- 1 coat Epoxy anti- corrosive	5		
	Repainting of P. LAV internals- 1 coat Epoxy anti- corrosive	5		
	Repainting of P. LAV internals- 1 coat Epoxy top coat paints	5		
	Repainting of P. LAV internals- 1 coat Epoxy top coat paints	5		
	Yard supply paints & thinners for 2coat systems, 34.20m ²	10		
	Carpentry works	5		
10	OFF LAV areas			
	Refurbishment, Cleaning, de-rusting, chip off rust & wipe it dry & paint.			
	Bail-out mud	1		
	Clean & Wipe Dry	1		
	Internal sanding & disc grinding	8		
	Repainting of OFF LAV internals- 1 coat Epoxy anti- corrosive	8		
	Repainting of OFF LAV internals- 1 coat Epoxy anti- corrosive	8		
	Repainting of OFF LAV internals- 1 coat Epoxy top coat paints	8		
	Repainting of OFF LAV internals- 1 coat Epoxy top coat paints	8		
	Yard supply paints & thinners for 2coat systems, 39.60m ²	16		
	Carpentry works	8		
11	Saloon areas			
	Refurbishment, Cleaning, de-rusting, chip off rust & wipe it dry & paint.			

Bail-out mud	1 1		
Clean & Wipe Dry	1		
Internal sanding & disc grinding	8		
Repainting of Saloon internals- 1 coat Epoxy anti- corrosive	8		
Repainting of Saloon internals- 1 coat Epoxy anti- corrosive	8		
Repainting of Saloon internals- 1 coat Epoxy top coat paints	8		
Repainting of Saloon internals- 1 coat Epoxy top coat paints	8		
Yard supply paints & thinners for 2coat systems, 82.20m ²	16		
Carpentry works	8		
12 3/E & 4/E (2) areas			
Refurbishment, Cleaning, de-rusting, chip off rust & wipe it dry & paint.			
Bail-out mud	1		
Clean & Wipe Dry	1		
Internal sanding & disc grinding	6		
Repainting of 3/E & 4/E (2) internals- 1 coat Epoxy anti- corrosive	6		
Repainting of 3/E & 4/E (2) internals- 1 coat Epoxy anti- corrosive	6		
Repainting of 3/E & 4/E (2) internals- 1 coat Epoxy top coat paints	6		
Repainting of 3/E & 4/E (2) internals- 1 coat Epoxy top coat paints	6		
Yard supply paints & thinners for 2coat systems, 31.74m ²	12		
Carpentry works	6		

13	Crew A (2) areas				
	Refurbishment, Cleaning, de-rusting, chip off rust & wipe it dry & paint.				
	Bail-out mud	1			
	Clean & Wipe Dry	1			
	Internal sanding & disc grinding	6			
	Repainting of Crew A (2) internals- 1 coat Epoxy anti- corrosive	6			
	Repainting of Crew A (2) internals- 1 coat Epoxy anti- corrosive	6			
	Repainting of Crew A (2) internals- 1 coat Epoxy top coat paints	6			
	Repainting of Crew A (2) internals- 1 coat Epoxy top coat paints	6			
	Yard supply paints & thinners for 2coat systems, 31.74m ²	12			
	Carpentry works	6			
14	Crew B (2) areas				
	Refurbishment, Cleaning, de-rusting, chip off rust & wipe it dry & paint.				
	Bail-out mud	1			
	Clean & Wipe Dry	1			
	Internal sanding & disc grinding	6			
	Repainting of Crew B (2) internals- 1 coat Epoxy anti- corrosive	6			
	Repainting of Crew B (2) internals- 1 coat Epoxy anti- corrosive	6			
	Repainting of Crew B (2) internals- 1 coat Epoxy top coat paints	6			
	Repainting of Crew B (2) internals- 1 coat Epoxy top coat paints	6			

	Yard supply paints & thinners for 2coat systems, 26.04m ²	12		
	Carpentry works	6		
15	Crew C (4) areas			
	Refurbishment, Cleaning, de-rusting, chip off rust & wipe it dry & paint.			
	Bail-out mud	1		
	Clean & Wipe Dry	1		
	Internal sanding & disc grinding	8		
	Repainting of Crew C (4) internals- 1 coat Epoxy anti- corrosive	8		
	Repainting of Crew C (4) internals- 1 coat Epoxy anti- corrosive	8		
	Repainting of Crew C (4) internals- 1 coat Epoxy top coat paints	8		
	Repainting of Crew C (4) internals- 1 coat Epoxy top coat paints	8		
	Yard supply paints & thinners for 2coat systems, 37.04m ²	16		
	Carpentry works	8		
16	Crew D (4) areas			
	Refurbishment, Cleaning, de-rusting, chip off rust & wipe it dry & paint.			
	Bail-out mud	1		
	Clean & Wipe Dry	1		
	Internal sanding & disc grinding	7		
	Repainting of Crew D (4) internals- 1 coat Epoxy anti- corrosive	7		
	Repainting of Crew D (4) internals- 1 coat Epoxy anti- corrosive	7		

	Repainting of Crew D (4) internals- 1 coat Epoxy top coat paints	7		
	Repainting of Crew D (4) internals- 1 coat Epoxy top coat paints	7		
	Yard supply paints & thinners for 2coat systems, 34.48m ²	14		
	Carpentry works	7		
17	Crew E (4) areas			
	Refurbishment, Cleaning, de-rusting, chip off rust & wipe it dry & paint.			
	Bail-out mud	1		
	Clean & Wipe Dry	1		
	Internal sanding & disc grinding	8		
	Repainting of Crew E (4) internals- 1 coat Epoxy anti- corrosive	8		
	Repainting of Crew E (4) internals- 1 coat Epoxy anti- corrosive	8		
	Repainting of Crew E (4) internals- 1 coat Epoxy top coat paints	8		
	Repainting of Crew E (4) internals- 1 coat Epoxy top coat paints	8		
	Yard supply paints & thinners for 2coat systems, 51.20m ²	16		
	Carpentry works	8		
18	Crew F (4) areas			
	Refurbishment, Cleaning, de-rusting, chip off rust & wipe it dry & paint.			
	Bail-out mud	1		
	Clean & Wipe Dry	1		
	Internal sanding & disc grinding	8		

	Repainting of Crew F (4) internals- 1 coat Epoxy anti- corrosive	8			
	Repainting of Crew F (4) internals- 1 coat Epoxy anti- corrosive	8			
	Repainting of Crew F (4) internals- 1 coat Epoxy top coat paints	8			
	Repainting of Crew F (4) internals- 1 coat Epoxy top coat paints	8			
	Yard supply paints & thinners for 2coat systems, 40.20m ²	16			
	Carpentry works	8			
19	Crew G (4) areas				
	Refurbishment, Cleaning, de-rusting, chip off rust & wipe it dry & paint.				
	Bail-out mud	1			
	Clean & Wipe Dry	1			
	Internal sanding & disc grinding	8			
	Repainting of Crew G (4) internals- 1 coat Epoxy anti- corrosive	8			
	Repainting of Crew G (4) internals- 1 coat Epoxy anti- corrosive	8			
	Repainting of Crew G (4) internals- 1 coat Epoxy top coat paints	8			
	Repainting of Crew G (4) internals- 1 coat Epoxy top coat paints	8			
	Yard supply paints & thinners for 2coat systems, 34.26m ²	16			
	Carpentry works	8			
20	Crew H (4) areas				
	Refurbishment, Cleaning, de-rusting, chip off rust & wipe it dry & paint.				

Bail-out mud	1 1		
Clean & Wipe Dry	1		
Internal sanding & disc grinding	7		
Repainting of Crew H (4) internals- 1 coat Epoxy anti- corrosive	7		
Repainting of Crew H (4) internals- 1 coat Epoxy anti- corrosive	7		
Repainting of Crew H (4) internals- 1 coat Epoxy top coat paints	7		
Repainting of Crew H (4) internals- 1 coat Epoxy top coat paints	7		
Yard supply paints & thinners for 2coat systems, 41.60m ²	14		
Carpentry works	7		
21 Shower areas			
Refurbishment, Cleaning, de-rusting, chip off rust & wipe it dry & paint.			
Bail-out mud	1		
Clean & Wipe Dry	1		
Internal sanding & disc grinding	21		
Repainting of Shower internals- 1 coat Epoxy anti- corrosive	21		
Repainting of Shower internals- 1 coat Epoxy anti- corrosive	21		
Repainting of Shower internals- 1 coat Epoxy top coat paints	21		
Repainting of Shower internals- 1 coat Epoxy top coat paints	21		
Yard supply paints & thinners for 2 coat systems, 34.90m ²	42		
Carpentry works	21		

22	OWN 1 (SOTC) areas			
	Refurbishment, Cleaning, de-rusting, chip off rust & wipe it dry & paint.			
	Bail-out mud	1		
	Clean & Wipe Dry	1		
	Internal sanding & disc grinding	8		
	Repainting of OWN 1 (SOTC) internals- 1 coat Epoxy anti-corrosive	8		
	Repainting of OWN 1 (SOTC) internals- 1 coat Epoxy anti-corrosive	8		
	Repainting of OWN 1 (SOTC) internals- 1 coat Epoxy top coat paints	8		
	Repainting of OWN 1 (SOTC) internals- 1 coat Epoxy top coat paints	8		
	Yard supply paints & thinners for 2coat systems, 45.66m ²	16		
	Carpentry works	8		
23	Office areas			
	Refurbishment, Cleaning, de-rusting, chip off rust & wipe it dry & paint.			
	Bail-out mud	1		
	Clean & Wipe Dry	1		
	Internal sanding & disc grinding	9		
	Repainting of Office internals- 1 coat Epoxy anti- corrosive	9		
	Repainting of Office internals- 1 coat Epoxy anti- corrosive	9		
	Repainting of Office internals- 1 coat Epoxy top coat paints	9		
	Repainting of Office internals- 1 coat Epoxy top coat paints	9		

	Yard supply paints & thinners for 2coat systems, 39.20m ²	18		
	Carpentry works	9		
24	Pantry areas			
	Refurbishment, Cleaning, de-rusting, chip off rust & wipe it dry & paint.			
	Bail-out mud	1		
	Clean & Wipe Dry	1		
	Internal sanding & disc grinding	4		
	Repainting of Pantry internals- 1 coat Epoxy anti- corrosive	4		
	Repainting of Pantry internals- 1 coat Epoxy anti- corrosive	4		
	Repainting of Pantry internals- 1 coat Epoxy top coat paints	4		
	Repainting of Pantry internals- 1 coat Epoxy top coat paints	4		
	Yard supply paints & thinners for 2coat systems, 29.80m ²	8		
	Carpentry works	4		
25	Store areas			
	Refurbishment, Cleaning, de-rusting, chip off rust & wipe it dry & paint.			
	Bail-out mud	1		
	Clean & Wipe Dry	1		
	Internal sanding & disc grinding	15		
	Repainting of Store internals- 1 coat Epoxy anti- corrosive	15		
	Repainting of Store internals- 1 coat Epoxy anti- corrosive	15		

	Repainting of Store internals- 1 coat Epoxy top coat paints	15		
	Repainting of Store internals- 1 coat Epoxy top coat paints	15		
	Yard supply paints & thinners for 2coat systems, 23.92m ²	30		
	Carpentry works	15		
26	MCR areas			
	Refurbishment, Cleaning, de-rusting, chip off rust & wipe it dry & paint.			
	Bail-out mud	1		
	Clean & Wipe Dry	1		
	Internal sanding & disc grinding	10		
	Repainting of MCR internals- 1 coat Epoxy anti-corrosive	10		
	Repainting of MCR internals- 1 coat Epoxy anti-corrosive	10		
	Repainting of MCR internals- 1 coat Epoxy top coat paints	10		
	Repainting of MCR internals- 1 coat Epoxy top coat paints	10		
	Yard supply paints & thinners for 2coat systems, 66.24m ²	20		
	Carpentry works	10		
27	Laund areas			
	Refurbishment, Cleaning, de-rusting, chip off rust & wipe it dry & paint.			
	Bail-out mud	1		
	Clean & Wipe Dry	1		
	Internal sanding & disc grinding	6		
	Repainting of Laund internals- 1 coat Epoxy anti- corrosive	6		

	Repainting of Laund internals- 1 coat Epoxy anti- corrosive	6		
	Repainting of Laund internals- 1 coat Epoxy top coat paints	6		
	Repainting of Laund internals- 1 coat Epoxy top coat paints	6		
	Yard supply paints & thinners for 2coat systems, 37.66m ²	12		
	Carpentry works	6		
28	Crew Lav areas			
	Refurbishment, Cleaning, de-rusting, chip off rust & wipe it dry & paint.			
	Bail-out mud	1		
	Clean & Wipe Dry	1		
	Internal sanding & disc grinding	6		
	Repainting of Crew Lav internals- 1 coat Epoxy anti- corrosive	6		
	Repainting of Crew Lav internals- 1 coat Epoxy anti- corrosive	6		
	Repainting of Crew Lav internals- 1 coat Epoxy top coat paints	6		
	Repainting of Crew Lav internals- 1 coat Epoxy top coat paints	6		
	Yard supply paints & thinners for 2coat systems, 66.80m ²	12		
	Carpentry works	6		
29	P. OFF MESS areas			
	Refurbishment, Cleaning, de-rusting, chip off rust & wipe it dry & paint.			
	Bail-out mud	1		
	Clean & Wipe Dry	1		

	Internal sanding & disc grinding	15		
	Repainting of P. OFF MESS internals- 1 coat Epoxy anti- corrosive	15		
	Repainting of P. OFF MESS internals- 1 coat Epoxy anti- corrosive	15		
	Repainting of P. OFF MESS internals- 1 coat Epoxy top coat paints	15		
	Repainting of P. OFF MESS internals- 1 coat Epoxy top coat paints	15		
	Yard supply paints & thinners for 2coat systems, 71.40m ²	30		
	Carpentry works	15		
30	Crew Mess areas			
	Refurbishment, Cleaning, de-rusting, chip off rust & wipe it dry & paint.			
	Bail-out mud	2		
	Clean & Wipe Dry	1		
	Internal sanding & disc grinding	22.5		
	Repainting of Crew Mess internals- 1 coat Epoxy anti- corrosive	22.5		
	Repainting of Crew Mess internals- 1 coat Epoxy anti- corrosive	22.5		
	Repainting of Crew Mess internals- 1 coat Epoxy top coat paints	22.5		
	Repainting of Crew Mess internals- 1 coat Epoxy top coat paints	22.5		
	Yard supply paints & thinners for 2coat systems, 102.20m ²	45		
	Carpentry works	22.5		
31	Galley areas			

	Refurbishment, Cleaning, de-rusting, chip off rust & wipe it dry & paint.			
	Bail-out mud	1		
	Clean & Wipe Dry	1		
	Internal sanding & disc grinding	17.5		
	Repainting of Galley internals- 1 coat Epoxy anti- corrosive	17.5		
	Repainting of Galley internals- 1 coat Epoxy anti- corrosive	17.5		
	Repainting of Galley internals- 1 coat Epoxy top coat paints	17.5		
	Repainting of Galley internals- 1 coat Epoxy top coat paints	17.5		
	Yard supply paints & thinners for 2coat systems, 67.20m ²	35		
	Carpentry works	17.5		
32	Hall way (Upper DK) areas 13 sq.m			
	Refurbishment, Cleaning, de-rusting, chip off rust & wipe it dry & paint.			
	Bail-out mud	5		
	Clean & Wipe Dry	1		
	Internal sanding & disc grinding	13		
	Repainting of Hall way (Upper DK) internals- 1 coat Epoxy anti-corrosive	13		
	Repainting of Hall way (Upper DK) internals- 1 coat Epoxy anti-corrosive	13		
	Repainting of Hall way (Upper DK) internals- 1 coat Epoxy top coat paints	13		
	Repainting of Hall way (Upper DK) internals- 1 coat Epoxy top coat paints	13		

	Yard supply paints & thinners for 2coat systems, 277.80m ²	26		
	Carpentry works	13		
33	Hall way (Poop DK) areas 16 sq.m			
	Refurbishment, Cleaning, de-rusting, chip off rust & wipe it dry & paint.			
	Bail-out mud	3		
	Clean & Wipe Dry	1		
	Internal sanding & disc grinding	16		
	Repainting of Hall way (Poop DK) internals- 1 coat Epoxy anti-corrosive	16		
	Repainting of Hall way (Poop DK) internals- 1 coat Epoxy anti-corrosive	16		
	Repainting of Hall way (Poop DK) internals- 1 coat Epoxy top coat paints	16		
	Repainting of Hall way (Poop DK) internals- 1 coat Epoxy top coat paints	16		
	Yard supply paints & thinners for 2coat systems, 159.80m ²	32		
	Carpentry works	16		
34	Armory Room 1 areas 4 sq.m			
	Refurbishment, Cleaning, de-rusting, chip off rust & wipe it dry & paint.			
	Bail-out mud	1		
	Clean & Wipe Dry	1		
	Internal sanding & disc grinding	4		
	Repainting of Armory Room 1 internals- 1 coat Epoxy anti-corrosive	4		
	Repainting of Armory Room 1 internals- 1 coat Epoxy anti-corrosive	4		

	Repainting of Armory Room 1 internals- 1 coat Epoxy top coat paints	4		
	Repainting of Armory Room 1 internals- 1 coat Epoxy top coat paints	4		
	Yard supply paints & thinners for 2coat systems, 45.66m ²	8		
	Carpentry works	4		
35	Armory Room 2 areas 4 sq.m			
	Refurbishment, Cleaning, de-rusting, chip off rust & wipe it dry & paint.			
	Bail-out mud	1		
	Clean & Wipe Dry	1		
	Internal sanding & disc grinding	4		
	Repainting of Armory Room 2 internals- 1 coat Epoxy anti-corrosive	4		
	Repainting of Armory Room 2 internals- 1 coat Epoxy anti-corrosive	4		
	Repainting of Armory Room 2 internals- 1 coat Epoxy top coat paints	4		
	Repainting of Armory Room 2 internals- 1 coat Epoxy top coat paints	4		
	Yard supply paints & thinners for 2coat systems, 45.66m ²	8		
	Carpentry works	4		
36	Aircon Room areas 9 sq.m			
	Refurbishment, Cleaning, de-rusting, chip off rust & wipe it dry & paint.			
	Bail-out mud	1		
	Clean & Wipe Dry	1		
	Internal sanding & disc grinding	9		

Repainting of Aircon Room internals- 1 coat Epoxy anti- corrosive	9		
Repainting of Aircon Room internals- 1 coat Epoxy anti- corrosive	9		
Repainting of Aircon Room internals- 1 coat Epoxy top coat paints	9		
Repainting of Aircon Room internals- 1 coat Epoxy top coat paints	9		
Yard supply paints & thinners for 2coat systems, 45.66m ²	18		
Carpentry works	9		
37 Pull-out and renew wooden dunnage at buoy deck 65 mm Pressure Treated Wooden Plank	1		
38 Buoy Deck and Cargo Hold Nr 1 and Nr 2 Deck	195		
Repair of wooden Deck and bulkhead			
preplacement of wooden deck of cargo Hold Nr 1 and hold Nr 2			
Reconditioning and Remaining of BHD, Overhead structures and Decks	6399.83		
39 PEST CONTROL AND FUMMIGATION	1		
NAVIGATIONAL EQUIPMENTS			
1 Troubleshooting and Relocation of SEARCH LIGHT	1		
- Troubleshoot the connection wirings Search Light			
- Modified to manual controllable Search Light			
- Replacement of search light bulb (500) watts and provide 20 pcs for spare			
- Provide labor materials for its repair			
- Replacement of the Search Light and Repair its components			
- Synchronize with all Navigational Equipment.			

	- Testing and Commissioning				
2	Air Horn and pipelines	1			
	- Supply and Installation of Ships horn				
	- Replacement of Air Pipings				
PR	OPULSION WORKS				
TAI	LSHAFT WORKS				
1	Crop-out and reinstallation of rope guard IWO bearing clearances.	2			
2	Measure tail shaft bearing clearances and submit result to owner rep.:				
	- Outboard	2			
	- Inboard	2			
3	Replacement of the tail shaft if bearing clearances are failed, supply and machining.	4			
4	Remove /reinstall of P&S Outboard & Inboard Bearing	4			
5	Pull-out and reinstallation of :				
	- Coupling	2			
	- Tail shaft (Oil lubricated)	2			
	- Removal/reinstallation of Outboard and inboard shaft seal housing.	4			
	- Dismantling/assemble Outboard and inboard shaft seal.	4			
	- Machining/reconditioning of Outboard and inboard seal liner	4			
	- Plumber Block	2			
	- Transmitter to propeller Revolution	2		 	
	- Supply of shaft seal.	4			
6	Drain / refill lube oil.				

	-Stern Tube / Stern Tube tank	1	I	
	- Supply of lube oil. 400 liters	2		
	- Plummer Block 100 liters	1		
7	Hauling to shop:			
-	- Tail shaft	2		
	- Shaft seal housing	2		
8	Mounting of tail shaft			
	-Check radial/ axial alignment	2		
	- Machining/Repair if necessary in order to support shafting Good -Condition	2		
	- Testing and Commissioning	2		
RU	DDER WORKS			
1	Measure bearing clearances and submit result to owner rep.			
	- Rudder post upper and lower	4		
	- Pintle	2		
	- Replacement of Rudder bearing , pintle, lower & upper bearings P&S	6		
2	Pull-out and reinstallation of :			
	- Rudder Blade	2		
	- Rudder stock	2		
	- Supply of Bearing/ Bushing	6		
3	Mounting of rudder stock check straightness and polish.	2		
4	Disconnect / reconnect.			
	- Hydraulic Cylinder / Testing.	4		
	- Replacement of oil seal.	4		
5	Sea Trial with yard personnel.	1		

PR	OPELLER WORKS			
1	Reconditioning of propeller blade.	2		
	- Removal of existing anodes at tail shaft and Installation of P/S			
	Tail shaft anodes using tapered type aluminum anodes.			
	- Pull-out and reinstallation of propeller cap and nut			
	- Pull-out and reinstallation of FPP propeller 5 blade after repair			
	- Hauling of propeller blade to shop and back after work completion			
	- Recondition of propeller blades Polishing of propeller blade,			
	crack testing, blue fitting and static balancing, PORT & STARBOARD SIDE			
	- Testing and Commissioning			
2	Reconditioning of bow thruster propeller blade.	1		
	- Polish			
	- Straightening			
	- Build-up			
	- Grind			
	- Weighing			
	- Crack testing			
	- Static Balancing			
3	Recondition of bow thruster motor, electrical system and its components	1		
MA	CHINE SHOP / MECHANICAL / OUTFITTING WORKS			
1	BOAT DAVIT PORT SIDE AND ITS CAPSTAN	1		
	- Replacement of Hydraulic hoses			
	- Overhaul of boat Davit winch as required			

Ī	- Overhaul of Control Valves]				
	- Repair of damage part of the winches/gears					
	- Replacement of Boat Davit Rubber Fender					
	- Replacement of Boat Davit Rubber Fender Keel Boat Platform					
	- Replacement of Boat Davit Cable					
	- Pull-out and Replacement of fabricated Boat Davit Cable Drum.					
	- Servicing of Boat Davit Motor.					
	- Operational Test and Setting					
2	Main Air Compressor		1			
	- Recondition of Number 1 Main Air Compressor and Replacement of its components					
	 Recondition of Number 2 Main Air Compressor and Replacement of its Components 					
	 Recondition of Back-up Main Air Compressor and Replacement of its Components 					
	- Servicing of Compressor tank no. 1 & 2					
	- Repair Air Compressor Wiring System					
	 Repair Air Compressor leak, damage, worn-out gasket, and Damage 					
	regulator/Fittings Distribution Pipelines System Replacement of parts					
	and Components to Support the Air Compressor System in Good Condition.					
	- Repair of leaking of air from air tank, corroded pipe line and wiring					
3	Repair General Service Pump No. 1		1			
	- Dismantling and cleaning of General Service Pump No. 1 and its components					

	- Remove and renew General Service Pump No. 1 electrical wirings & connections.				
	Replacement of General Service Pump No. 1 defective parts.				
	- Cleaning & check internal Gears, Bearing, Bushing, and other components				
	to support General Service Pump No. 1				
	- Assembling and installing on its original condition.				
	Retrofitting of the pipelines and fittings attached to General Service Pump No. 1 and No. 2.				
	Commissioning & operational test.				
4	Port Emergency Steering Gear	1			
	- Repair, Replacement, and Recondition of Port Defective				
	emergency steering gear(manual operation)				
5	Fresh Water Pump / Sea water pump Assembly	1			
	- Replacement of Defective mechanical seal				
	- Supply and Installation of gate valve				
6	Fuel oil pump No.1 and No. 2	2			
	- Replacement of Fuel oil pump No.1				
	- Repair, Replacement and Recondition of Fuel oil pump No. 2				
	weak suction of fuel from main tank				
7	Windlass, Anchor and Anchor Chain	1			
8	Main Cargo Boom and Secondary Cargo Boom at fwd	1			
	- Repair, Replacement, Replating of corroded and holed arm cargo				
	boom, cables stiffed cables, corroded pulleys and corroded tripods				

9	Aluminum Boat			
	- Replacement of boat lights Replacement of electrical wirings.	1		
	- Replacement of Aluminum boat Cradle	1		
	- Cleaning and Repainting of high-Quality Paint	1		
	- Reconditioning of hull	1		
	- Recalibrating of steering Wheel	1		
	L CLEANING/SURFACE PREPERATIONS AND NTING.			
1	High Pressure Wash.			
	- Hull FW high pressure Jet washing from Keel to Bulwark, assume area: 1,013 sq.m	1013		
	- Hull FW low pressure Washdown prior 2nd coat, keel to bulwark, assume area: 1,013 sq.m	1013		
2	Manually hard scrape barnacles.			
	- Hull Scraping from Keel to DLL, assume area: 1,013 sq.m	1013		
	- Hull Manual Chipping, keel to DLL , assume area: 1,013 sq.m	1013		
3	Sea Chest Gratings open and close, wash, clean, blasting and painting.			
	1)Sea chest box/grids (clean, blast, paint, refit in good order)	6		
	2) Blasting and painting of sea chest boxes	6		
4	Cover zinc anodes IWO painting.	60		
5	Painting / Repaint the following:			
	- Stripping / tracing water line.	56.92		
	- Draft Marks Bow, Midship and Aft.	6		
	- Ship's Name	2		

	- Logo	2			
	- Cost Guard Stripes.	2			
	- Bow number	3			
	- Plimsoll line	2			
	Yard supply paints & thinners for markings/names/port of registry	1			
6	Hull Scupper chutes, 15 pcs	15			
7	Grit Blasting.				
	- Hull P/S				
	- 30% spot blasting 2.0	303.9			
	- 70% Sweep blasting 1.5/1.0	709.1			
	- Bottom to DLL				
	- One (1) F/C Epoxy Primer	696			
	- One (1) F/C Anti-Corrosive	696			
	- Two (2) F/C Anti-Fouling	1392			
	Yard supply paints & thinners for 4coat systems	2784			
	- DLL to Bulwark				
	- One (1) F/C Epoxy Primer	317			
	- One (1) F/C Anti-Corrosive	317			
	Yard supply paints & thinners for 2coat systems	634			
8	Cleaning of copper slag IWO of painting with anti- skid (4 men)	1500			
	Cup brushing of the following:				
	- Main Deck				
	- 2nd Deck				
	- 3rd Deck				
	- 4th Deck	1397.4			

	- Two (2) F/C coat primer paint	2794.8		
	- Two (2) F/C coat top coat paint with anti-skid	2794.8		
	Yard supply paints & thinners for 4coat systems	2794.8		
	- Cleaning IWO painting.	750		
9	Boat House Deck Flooring.			
	- Conduct cleaning by chipping/sanding,	10		
	- Paint with yard supply paint			
	1Full Coat Primer	10		
	1Full Coat Top coat high performance paint with anti- skid	10		
	- Supply of paint based on 3 coat system and anti-skid	20		
ST	RUCTURAL WORKS			
1	Crop-out and renew wasted zinc anodes (welded type, 8.5kgs)			
	P/S Side. Yard supply anodes.			
	Plain removal of Hull Zinc anodes, 8kg			
	- Hull	45		
	- Sea chest box	9		
	- Rudder Blade	6		
	Anode Installation			
	- Hull	45		
	- Sea chest box	9		
	- Rudder Blade	6		
	- Supply of 45pcs x 8.5kgs welded type Zinc anodes	60		
2	Power tooling and re-touch burned portion upon Installation of zinc anodes at hull.	60		
	- Conduct power tooling on anodes retouching	60		

3	Engine Room False Flooring Checkered deck Plate and Frame			
	Crop-out and Replating deteriorated frame and Replacement			
	of all checkered deck plate to perforated corrugated aluminum deck			
	- Removal of ER false flooring (checkered plate) including deck plate & frame	100		
	- Renewal of deteriorated plate and install new plate 3140 kgs	3140		
	 Renewal of deteriorated frame using angle bar. 942 kgs 	942		
	- Supply of new Checkered plate 23 sheets- 6mm x 1219.2mm x 2438.4mmL	23		
	- Supply of new angle bar 25lengths- 8mmT x 50mm x 50mm x 6096mmL	25		
4	Crop-out and Replating thinned, failed to UTG, dented plates at hull			
	- Crop out and renew the deteriorated plates using yard supply materials,	13069.1		
	- Supply of ABS Plate:10mmx1,828.8mmx6,096mmL x 15 sheets	15		
5	Hawse Pipe Port and Starboard	1		
	- Crop-out, Replating and Painting of Dilapidated and corroded parts of Hawse Pipe Port and Starboard			
6	Mooring bitts			
	-Supply, Replacement and repainting of corroded mooring bitts base, fair lead base and chocks			
7	Forecastle and Forecastle Deck			
	 Crop-out, Replating and Painting thinned, Corroded, Dilapidated and , 	4308.65		
	dented Superstructure, Decks and Bulwark Stay			

- Materials Supplied by Shipyard			1	
- ABS Plate:10mmx1,828.8mmmx6,096mmLx 5 sheets	5			
Conduct chipping & sanding	50			
- Materials Paints and Thinners				
Conduct chipping & sanding on mooring bitts and its base	50			
1FC Anti Corrosive on mooring bitts	50			
1FC Top Coat	50			
- Supply of Paints to be supplied by Shipyard for 2coats system	100			
8 Stanchion Railings				
- Supply and replacement of Stanchion Railings and Base	26			
- Replacement of Chain Railings	1			
- Materials and Paintings to be supplied by Shipyard				
Conduct chipping & sanding on Stanchion Railings and Base	26			
1FC Anti Corrosive	26			
1FC Top Coat	26			
- Supply of Paints to be supplied by Shipyard for 2coats system	52			
9 Hatches				
- Replacement of stiffened rubber gasket of watertight hatches	8			
- Replacement of stiffened dog locks of watertight hatches	8			
- Replacement of corroded water tight hatches	100			
- Markings of Dogs (O) open; (S) Shut	8			
- Greasing of dogs	8			

	- Materials and Paintings to be supplied by Shipyard]		
	Conduct chipping & sanding	50		
	1FC Anti Corrosive	50		
	1FC Top Coat	50		
	- Supply of Paints to be supplied by Shipyard for 2coats system	100		
	- Goose neck type Vents			
	-Replacement of stiffened rubber gasket	20		
	-Replacement of stiffened locks	20		
	-Replacement of corroded Goose neck type Vents	100		
	- Materials and Paintings to be supplied by Shipyard			
	Conduct chipping & sanding	20		
	1FC Anti Corrosive	20		
	1FC Top Coat	20		
	- Supply of Paints to be supplied by Shipyard for 2coats system	40		
9	Goose neck type wall Vents			
	-Replacement of stiffened rubber gasket	9		
	-Replacement of stiffened locks	9		
	-Replacement of corroded Goose neck type Vents	100		
	- Materials and Paintings to be supplied by Shipyard			
	Conduct chipping & sanding	10		
	1FC Anti Corrosive	10		
	1FC Top Coat	10		
	- Supply of Paints to be supplied by Shipyard for 2coats system	20		
10	Replacement and repair of mini gym canvass			

	- Pull-out and repair Broken brace	1 1		
	- Replacement of corroded base of mini gym canvass	100		
	- Replacement of stiffened canvass	1		
11	Gun Mount Port and Starboard			
	- Crop-out, replace and Replating of corroded, loosed thread and dilapidated Gun Mount Port and Starboard	100		
	- Materials Supplied by Shipyard			
	Conduct chipping & sanding	10		
	1FC Anti Corrosive	10		
	1FC Top Coat	10		
	- Supply of Paints to be supplied by Shipyard for 2coats system	20		
12	Hot Plates Nr 1,2,3 and 4 unit	4		
	- Replacement of Hot plates Nr 1,2,3 and 4 unit			
13	Ballast tank			
	- Crop-out and Replating thinned, conduct cleaning, chipping, sanding, and apply two (2) coats high performance on corroded plates	13069.1		
	- Materials Supplied by Shipyard			
	- ABS Plate:10mmx1,828.8mmx6,096mmx 15 sheets	15		
	- Paint and Thinner			
	1FC Anti Corrosive	200		
	1FC Top Coat	200		
	- Supply of Paints to be supplied by Shipyard for 2coats system	400		
SE.	A CHEST, PUMPS AND VALVES, PIPING WORKS			
1	Remove, haul to shop, open, clean and lap/grind to re-seat valve disc/seat, repack, hydrotest, re-			

	Installation with new gasket using Shipyard Supplied and labeling:			
	- 5k150 Angle-Globe valve	2		
	- 5k50 Globe valve	2		
	- 5k125 Angle-Globe valve	2		
2	Replacement of sea chest boxes P/S			
	2 pcs x 12 mmT x 500 mmW x 600 mm H Top Plates 2 pcs x 12 mmT x 500 mmW x 600	56.52		
	2 pcs x 12 mmT x 500 mmW x 800 mm H End Plates 2 pcs x 12 mmT x 500 mmW x 800	75.36		
	4 pcs x 12 mmT x 600 mmW x 800 mm H Side Plates 4 pcs x 12 mmT x 600 mmW x 800	180.86		
	2 pcs x 150 mmDia. x 500 mmL Penetration Pipes- BI Sch80	2		
	2 pcs x 150 mmDia. Penetration Flanges	2		
	2 pcs x 150 mmDia. x New flanges	2		
	2 pcs x 125 mmDia. x 500 mmL Penetration Pipes- BI Sch80	2		
	2 pcs x 125 mmDia. Penetration Flanges	2		
	2 pcs x 125 mmDia. New flanges	2		
	2 pcs x 50 mmDia. x 500 mmL Penetration Pipes- BI Sch80	2		
	2 pcs x 50 mmDia. Penetration Flanges	2		
	2 pcs x 50 mmDia. New Flanges	2		
3	Full blasting of valves.	12		
	Renew the following:			
4	Sewage Piping System	1		
	- Conduct inspection to the corroded piping system and valve elbow flanges			

	- Replacement of worn-out, deteriorated and leaking pipes and valve elbow flanges			
	Power tooling of newly Installation of new and old piping system			
	- Painting of newly Installed pipings, fittings and old piping system			
	- Naming and labeling of pipes and valves			
	- Materials and Paintings to be supplied by Shipyard			
	Conduct chipping & sanding	25		
	1FC Anti Corrosive	25		
	1FC Top Coat	25		
	- Supply of Paints to be supplied by Shipyard for 2coats system	50		
5	Galley Piping System.	1		
	- Conduct inspection to the corroded piping system and valve elbow flanges			
	- Replacement of worn-out, deteriorated and leaking pipes and valve elbow flanges			
	 Power tooling of newly Installation of ed and old piping system 			
	 Painting of newly Installed pipings, fittings and old piping system 			
	- Naming and labeling of pipes and valves			
	- Materials and Paintings to be supplied by Shipyard			
	Conduct chipping & sanding	25		
	1FC Anti Corrosive	25		
	1FC Top Coat	25		
	- Supply of Paints to be supplied by Shipyard for 2coats system	50		
6	Fresh water Piping System	1		

- Conduct inspection to the corroded piping system and valve elbow flanges			
- Replacement of worn-out, deteriorated and leaking pipes and valve elbow flanges			
- Power tooling of newly Installation of new and old Piping system			
- Painting of newly Installed pipings, fittings and old piping system			
- Naming and labeling of pipes and valves			
- Materials and Paintings to be supplied by Shipyard			
Conduct chipping & sanding	25		
1FC Anti Corrosive	25		
1FC Top Coat	25		
- Supply of Paints to be supplied by Shipyard for 2coats system	50		
Fuel Oil Piping System	1		
- Conduct inspection to the corroded piping system and valve elbow flanges			
- Replacement of worn-out, deteriorated and leaking pipes and valve elbow flanges			
- Power tooling of newly Installation of ed and old piping system			
- Painting of newly Installed pipings, fittings and old piping system			
- Naming and labeling of pipes and valves			
- Materials and Paintings to be supplied by Shipyard			
Conduct chipping & sanding	25		
1FC Anti Corrosive	25		
1FC Top Coat	25		

	- Supply of Paints to be supplied by Shipyard for 2coats system	50		
7	Sea Water Piping System	1		
	- Conduct inspection to the corroded piping system and valve elbow flanges			
	 Replacement of worn-out, deteriorated and leaking pipes and valve elbow flanges 			
	 Power tooling of newly Installation of ed and old piping system 			
	- Painting of newly Installed pipings, fittings and old piping system			
	- Naming and labeling of pipes and valves	 		
	- Materials and Paintings to be supplied by Shipyard			
	Conduct chipping & sanding	25		
	1FC Anti Corrosive	25		
	1FC Top Coat	25		
	- Supply of Paints to be supplied by Shipyard for 2coats system	50		
8	Bilge Pipings System	1		
	- Conduct inspection to the corroded piping system and valve elbow flanges			
	- Replacement of worn-out, deteriorated and leaking pipes and valve elbow flanges			
	- Power tooling of newly Installation of ed and old piping system			
	- Painting of newly Installed pipings, fittings and old piping system			
	- Naming and labeling of pipes and valves			
	- Materials and Paintings to be supplied by Shipyard			
	Conduct chipping & sanding	25		

	1FC Anti Corrosive	25		Ī
	1FC Top Coat	25		
	- Supply of Paints to be supplied by Shipyard for 2coats system	50		
9	Fire monitor pump line at E/R.	1		_
	- Conduct inspection to the corroded piping system and valve elbow flanges			
	- Replacement of worn-out, deteriorated and leaking pipes and valve elbow flanges			
	- Power tooling of newly Installation of ed and old piping system			
	- Painting of newly Installed pipings, fittings and old piping system			
	- Naming and labeling of pipes and valves			
	- Materials and Paintings to be supplied by Shipyard			
	Conduct chipping & sanding	25		
	1FC Anti Corrosive	25		
	1FC Top Coat	25		
	- Supply of Paints to be supplied by Shipyard for 2coats system	50		
10	Crew's Head , Officer's Head up to sewage tank.	1		
	- Conduct inspection to the corroded piping system and valve elbow flanges			
	- Replacement of worn-out, deteriorated and leaking pipes and valve elbow flanges			
	- Power tooling of newly Installation of ed and old piping system			
	- Painting of newly Installed pipings, fittings and old piping system			
	- Naming and labeling of pipes and valves			

	- Materials and Paintings to be supplied by Shipyard			
	Conduct chipping & sanding	25		
	1FC Anti Corrosive	25		
	1FC Top Coat	25		
	- Supply of Paints to be supplied by Shipyard for 2coats system	50		
	- Crop out and Replacement of Sea chest strainer box, breather P/S.	1		
	- Conduct Inspection and Replacement to the corroded three way pipe line	1		
	- Replacement of lavatory door and divider.	1		
	-Crop out and Replacement of worn-out sea water supply pipe line and faucet.	1		
11	Replacement of damaged toilet bowl.	1		
	-Painting of newly Installed pipes, fittings and old piping system.			
	Conduct chipping & sanding	25		
	1FC Anti Corrosive	25		
	1FC Top Coat	25		
	- Supply of Paints to be supplied by Shipyard for 2coats system	50		
12	Supply and delivery drainage strainer	1		
13	Ballast piping 1, 2, 3, 4 & wing tank.	1		
14	Conduct inspection to the corroded piping system and valve elbow flanges	1		
	- Replacement of and repair the piping system and valve elbow flanges			
	- Replacement of worn-out, deteriorated and leaking pipes and valve elbow flanges			

	- Power tooling of newly Installation of ed and old piping system				
	Painting of newly Installation of new and old piping system				
	Conduct chipping & sanding	25			
	1FC Anti Corrosive	25			
	1FC Top Coat	25			
	- Supply of Paints to be supplied by Shipyard for 2coats system	50			
15	Sea lube & fuel pipes line of P/S Main Engine, P/S Auxiliary and Harbor Generator	1			
	- Dismantling of lube & fuel pipes of P/S main engines and Auxiliary Engine P/S prior chemical treatment.				
	 Conduct chemical treatment (pickling) on the lube and fuel oil pipes of P/S main Engine 				
	 Utilize a boiler while performing hammering in said pipes and Conduct internal sandblasting as necessary 				
	- Conduct final oil flushing on the pipes prior Installation				
	- Conduct re-Installation of lube and fuel oil pipes				
PU	MPS AND PIPING SYSTEM				
1	Provide and Installation of brand new pumps as follows:				
	a. Fire Pump 15HP	1			
	- Centrifugal Pump with coupling coupled to 15HP				
	- 3600RPM				
	- 3 phase electric motor				
	- 440V-480V				
	- Centrifugal Type with coupling coupled to 15HP				
	- 3600RPM				

Ī	- 60 Hertz				
	- 3 phase electric motor				
	- 220V				
	c. Bilge Pump 15HP	1			
	- Centrifugal Type with coupling coupled to 15HP				
	- 3600RPM				
	- 60 Hertz				
	- 3 phase electric motor				
	- 220V				
	- Centrifugal Type with coupling coupled to 2.2HP				
	- Kilowatts				
	- 3 Phase				
	- 220V/440V				
	- 50 Hertz				
	- 2900 RPM				
	e. Fresh Water Pump Motor No. 1	1			
	- Centrifugal Type with coupling coupled to 2.2HP				
	- 3 Phase				
	- 220V/440V				
	- 50/60 Hertz				
2	Fresh Water Pump No.2	1			
	-Replacement of Fresh water Pump No.2 effective mechanical seal				
	-Supply, Delivery, and Installation of lack of Fresh water Pump No.2 gate valve				
3	Hydraulic Oil Sea Water Pump	1			
	- repair and Recondition of Leaked of ,unusual sound				

and many deal Hydraydia Oil Coa Water Dynam	1 1		I		I	i i
and grounded Hydraulic Oil Sea water Pump						
Overflow of tanks	1					
- Replacement of Corroded and broken overflow of tank						
Replacement of Leaked of Hydraulic Pipe lines and Fitting of Cargo Winch Nr.1, Cargo Winch Nr.2 and Slewing Winch of Derrick Boom	1					
HULL GAUGING & QUALITY CONTROL WORKS						
Ultrasonic Thickness Gauging						
- Conduct ultrasonic gauging on bottom and side shell plates.						
- Based on : 4 spots per plate.	800					
- Hammer test, inspect hull & marked suspected areas before dock	1					
- Hull survey/inspection prior undocking	1					
Shell Expansion Plan	1					
- Trace and provide four (4) copies of Shell Expansion Plan indicating						
latest UTG results and renewed shell plates if any,						
signed and sealed by a licensed Naval Architect'						
Provide four (4) copies ship repair booklet.	1					
	- Replacement of Corroded and broken overflow of tank Replacement of Leaked of Hydraulic Pipe lines and Fitting of Cargo Winch Nr.1, Cargo Winch Nr.2 and Slewing Winch of Derrick Boom HULL GAUGING & QUALITY CONTROL WORKS Ultrasonic Thickness Gauging - Conduct ultrasonic gauging on bottom and side shell plates. - Based on : 4 spots per plate. - Hammer test, inspect hull & marked suspected areas before dock - Hull survey/inspection prior undocking Shell Expansion Plan - Trace and provide four (4) copies of Shell Expansion Plan indicating latest UTG results and renewed shell plates if any, signed and sealed by a licensed Naval Architect'	Overflow of tanks Replacement of Corroded and broken overflow of tank Replacement of Leaked of Hydraulic Pipe lines and Fitting of Cargo Winch Nr.1, Cargo Winch Nr.2 and Slewing Winch of Derrick Boom HULL GAUGING & QUALITY CONTROL WORKS Ultrasonic Thickness Gauging Conduct ultrasonic gauging on bottom and side shell plates. Based on: 4 spots per plate. Hammer test, inspect hull & marked suspected areas before dock Hull survey/inspection prior undocking Shell Expansion Plan Trace and provide four (4) copies of Shell Expansion Plan indicating latest UTG results and renewed shell plates if any, signed and sealed by a licensed Naval Architect'	Overflow of tanks Replacement of Corroded and broken overflow of tank Replacement of Leaked of Hydraulic Pipe lines and Fitting of Cargo Winch Nr.1, Cargo Winch Nr.2 and Slewing Winch of Derrick Boom HULL GAUGING & QUALITY CONTROL WORKS Ultrasonic Thickness Gauging - Conduct ultrasonic gauging on bottom and side shell plates. - Based on : 4 spots per plate. - Hammer test, inspect hull & marked suspected areas before dock - Hull survey/inspection prior undocking Shell Expansion Plan - Trace and provide four (4) copies of Shell Expansion Plan indicating latest UTG results and renewed shell plates if any, signed and sealed by a licensed Naval Architect'	Overflow of tanks Replacement of Corroded and broken overflow of tank Replacement of Leaked of Hydraulic Pipe lines and Fitting of Cargo Winch Nr.1, Cargo Winch Nr.2 and Slewing Winch of Derrick Boom HULL GAUGING & QUALITY CONTROL WORKS Ultrasonic Thickness Gauging - Conduct ultrasonic gauging on bottom and side shell plates. - Based on : 4 spots per plate. - Hammer test, inspect hull & marked suspected areas before dock - Hull survey/inspection prior undocking Shell Expansion Plan - Trace and provide four (4) copies of Shell Expansion Plan indicating latest UTG results and renewed shell plates if any, signed and sealed by a licensed Naval Architect'	Overflow of tanks Replacement of Corroded and broken overflow of tank Replacement of Leaked of Hydraulic Pipe lines and Fitting of Cargo Winch Nr.1, Cargo Winch Nr.2 and Slewing Winch of Derrick Boom HULL GAUGING & QUALITY CONTROL WORKS Ultrasonic Thickness Gauging - Conduct ultrasonic gauging on bottom and side shell plates. - Based on: 4 spots per plate. - Hammer test, inspect hull & marked suspected areas before dock - Hull survey/inspection prior undocking 1 Shell Expansion Plan - Trace and provide four (4) copies of Shell Expansion Plan indicating latest UTG results and renewed shell plates if any, signed and sealed by a licensed Naval Architect'	Overflow of tanks - Replacement of Corroded and broken overflow of tank Replacement of Leaked of Hydraulic Pipe lines and Fitting of Cargo Winch Nr.1, Cargo Winch Nr.2 and Slewing Winch of Derrick Boom HULL GAUGING & QUALITY CONTROL WORKS Ultrasonic Thickness Gauging - Conduct ultrasonic gauging on bottom and side shell plates. - Based on : 4 spots per plate. - Hammer test, inspect hull & marked suspected areas before dock - Hull survey/inspection prior undocking Shell Expansion Plan - Trace and provide four (4) copies of Shell Expansion Plan indicating latest UTG results and renewed shell plates if any, signed and sealed by a licensed Naval Architect'

[Signature of the Authorized Rep.]	[in the capacity of] (Please indicate position	of Authorized Rep.)
Duly authorized to sign Bid for and on behalf of (Please indicate name of company)	of	-
*BIDDERS SHALL NOT ALTER THIS FO	ORM	

For Goods Offered From Within the Philippines [shall be submitted with the Bid if bidder is offering goods from within the Philippines]

Kindly supply the required information in the spaces provided. Do not forget to indicate the "Country of Origin" of the goods offered. Prospective bidders have the option to indicate the appropriate amount, "0" or "Not Applicable (N/A)" for columns 6, 7 and 8. Any alteration to any of the terms and conditions contained in the document may cause your disqualification except if said alteration or revision is a result of a Supplemental/Bid Bulletin.

Name	e of Bidder Invitation to	Bid Numbe	er Pa	age _ of _	·				
	Description	Country of origin	Quantity	Unit price EXW per item	Transportation and all other costs incidental to delivery, per item	Sales and other taxes payable if Contract is awarded, per item Sales and other taxes payable if Contract is awarded, per item	Cost of Incidental Services, if applicable, per item Cost of Incidental Services, if applicable, per item	Total Price, per unit (col 5+6+7+8)	Total Price delivered Final Destination (col 9) x (col 4)
DR	RYDOCKING WORKS								
1	Docking and Undocking (1 occasion)		1						
2	Dock Preparation and Block Arrangement								
	Hull Keel Block 28 blocks		28						
	Hull Side Block Port & Stbd 28 blocks		28						
3	Re-arranging/shifting blocks due to replating works.								
	Removal of Blocks 56 blocks		56						

	Relocation of Block 56 blocks	56			
	Installation of Shoring Post 2 pcs	2			
4	Drydock lay days rental, 100 days	100			
5	Mooring and Unmooring - arrival, docking, undock, depart	4			
6	Gangway for access during vessel stay at yard 2 times	2			
7	Wharfage - to provide berth side for afloat 10 days	10			
8	VESSEL MOVEMENT AND SECURING				
	Provide tugboat services assistance during: Vessel Movement (Arrival, Docking, Undocking/ Shipside, Sea trial, Departure)	1			
GE	NERAL SERVICES/MISCELLANEOUS				
1	Provide following:				
	Safety Firewatch - SOP, 100 days	100			
2	Fire line Supply (SOP)				
	Connect and disconnect,	2			
	Daily maintained pressure supply , for 100 days	100			
	Security Guard - SOP, 100 days	100			
	Garbage Disposal, @ 5tons per month 15 tons	15			
	Gas Free Inspection , assume 50 occasion 4 tanks 50 occasion	200			
3	Disposal waste and contaminated oil with issued certificate	15			
	Scaffolding / Staging				
	2 mW x 6 mH 56 mL 2 sets 1559.04 cu.m - Hull staging mW x 6 mH 56 mL 2 sets	1559.0 4			

2 mW x 6 mH 10 mL 1 sets 132 cu.m – Propulsion mW x 6 mH 10 mL 1 sets	132		
Yard's Equipment Usage			
a) Forklift usage, 50 unit/hrs	50		
b) Crane usage - up to 25T, 50 unit/hrs	50		
Crane Mobilization/demobilization 1 unit/hrs	1		
c) Scissor Lift for blasting and painting access 15 unit/hrs	15		
d) Cherry picker for blasting and painting access 15 unit/hrs	15		
DOCK HANDS			
1 Range down and restow of anchor and anchor chain P/S side.	2		
Laydown of anchor and anchor chain at floor P/S side.			
Disconnect / reconnect bitter ends.	2		
Calibrate anchor chain and submit result to owner rep.	2		
2 Supply of fresh water (Assume)	50		
- Connect / disconnect	1		
3 Engine Bilge			
- High Pressure wash.	25		
- Pump-out	3.27		
- Connect / disconnect.	1		
- Clean-up and wipe dry.	3.78		
- Conduct chipping & sanding	25		
1FC Anti Corrosive	25		
1FC Top Coat	25		

	- Supply of Paints to be supplied by Shipyard for	50			
4	2coats system Steering Room				
<u> </u>	- High Pressure wash.	45			
	- Pump-out	10			
	- Connect / disconnect.	1			
	- Clean-up and wipe dry.	45			
	- Conduct chipping & sanding	45			
	1FC Anti Corrosive	45			
	1FC Top Coat	45			
	- Supply of Paints to be supplied by Shipyard for	90	+		
	2coats system				
5	Forward Pump Room:				
	- Conduct cleaning, chipping, sanding and apply two (2) coats high performance paint				
	- Clean-up and wipe dry.	50			
	- Conduct chipping & sanding	50			
	1FC Anti Corrosive	50			
	1FC Top Coat	50			
	- Supply of Paints to be supplied by Shipyard for 2coats system	100			
6	Void Tank located at Armory				
	- Void Tank located at Armory - conduct cleaning, chipping, sanding, and				
	apply two (2) coats high performance paint				
	- Clean-up and wipe dry.	50			
	- Conduct chipping & sanding	50			
	1FC Anti Corrosive	50			

	1FC Top Coat	50			
	- Supply of Paints to be supplied by Shipyard for 2coats system	100			
7	Forepeak Tank				
	- Conduct cleaning, chipping, sanding, and apply two (2) coats high performance paint				
	- Clean-up and wipe dry.	22.63			
	- Conduct chipping & sanding	22.63			
	1FC Anti Corrosive	22.63			
	1FC Top Coat	22.63			
	- Supply of Paints to be supplied by Shipyard for 2coats system	45.26			
8	Aft Peak Tank				
	- Bailing-out of existing hydraulic oil, clean with soap and apply pressurized washing				
	- Bail out mud and existing hydraulic oil/dirty oil	2			
	- Clean with soap and degreasing of tanks.	30			
	- High pressure wash entire tank	30			
	- Clean-up and wipe dry.	30			
9	Chain locker room				
	- Conduct cleaning, chipping, sanding, and apply two (2) coats high performance paint				
	- Clean-up and wipe dry.	4			
	- Conduct chipping & sanding	4			
	1FC Anti Corrosive	4			
	1FC Top Coat	4			
	- Supply of Paints to be supplied by Shipyard for 2coats system	8			
EL	ECTRICAL / ELECTRONIC WORKS				

1	Shore line Power				
	Connect and disconnect	1			
	Electrical power consumption , assume; 9,000 kw-hrs	9000			
2	Temporary Lighting - 90 days 4 units	360			
3	Electrical Megger Testing				
	0- 25 KW	10			
	26 KW- 50 KW	20			
	51KW-100KW	2			
	101 KW- 500 KW	2			
4	Ventilation / Blower, 60 days 2 units	120			
5	Installation of Marine Growth Prevention System	1			
	Check Marine Cathodic system and inspect operational system				
	Renew all damaged parts rectify all grounding system and terminate new Cathodic system				
	Check and test cathodic system, ensure line continuity.				
6	Repair of Steering control system (P/S)	1			
	Check the steering systems to locate fault.				
	Troubleshoot the control systems, manually trace the signal or command				
	to the steering, adjust the feedback unit, adjust and calibrate the signal				
	from non-follow unit and follow up unit.				
	Megger test the electric motor drive of power pack.				
	Set the steering blade into zero position and to maximum at port and Stbd				

I	Set and calibrate the indicator to zero position.				
	Overhaul the steering motor at port and stbd side.				
	Layout the power cable. Connect the power supply and test.				
	Renew the defective steering monitor with brand new BW144				
	Standard Analog Variant 0-240deg., Standard Pointer, CW Analog				
	angle 295129002005 Part number 295129002005 BW144				
Doc out Tak	urbishment, Rewiring, Repair/Renewors/and Door knobs, Replacement of Lights/let, and Repair Damage Bunks, Cabinets, bles, Chairs, Walling's, Floorings, Ceilings and irways of the followings:				
<u> 31a</u>	Wheel House areas				
	Refurbishment, Cleaning, de-rusting, chip off rust & wipe it dry & paint.				
	Bail-out mud	3			
	Clean & Wipe Dry	1			
	Internal sanding & disc grinding	23.1			
	Repainting of Wheel House internals- 1 coat Epoxy anti-corrosive	23.1			
	Repainting of Wheel House internals- 1 coat Epoxy anti-corrosive	23.1			
	Repainting of Wheel House internals- 1 coat Epoxy top coat paints	23.1			
	Repainting of Wheel House internals- 1 coat Epoxy top coat paints	23.1			
	Yard supply paints & thinners for 2coat systems, 157m ²	46.2			

	Carpentry works	23.1			
2	Chart Space areas				
	Refurbishment, Cleaning, de-rusting, chip off rust & wipe it dry & paint.				
	Bail-out mud	1			
	Clean & Wipe Dry	1			
	Internal sanding & disc grinding	2			
	Repainting of Chart Space internals- 1 coat Epoxy anti-corrosive	2			
	Repainting of Chart Space internals- 1 coat Epoxy anti-corrosive	2			
	Repainting of Chart Space internals- 1 coat Epoxy top coat paints	2			
	Repainting of Chart Space internals- 1 coat Epoxy top coat paints	2			
	Yard supply paints & thinners for 2coat systems, 57m ²	4			
	Carpentry works	2			
3	C/M (1) areas,				
	Refurbishment, Cleaning, de-rusting, chip off rust & wipe it dry & paint.				
	Bail-out mud	1			
	Clean & Wipe Dry	1			
	Internal sanding & disc grinding	6.5			
	Repainting of C/M (1) internals- 1 coat Epoxy anti-corrosive	6.5			
	Repainting of C/M (1) internals- 1 coat Epoxy anti-corrosive	6.5			
	Repainting of C/M (1) internals- 1 coat Epoxy top coat paints	6.5			

	Repainting of C/M (1) internals- 1 coat Epoxy top coat paints	6.5			
	Yard supply paints & thinners for 2coat systems, 45.24m ²	13			
	Carpentry works	6.5			
4	MAS (1) and - MAS (BED) areas 72.80 sq.m				
	Refurbishment, Cleaning, de-rusting, chip off rust & wipe it dry & paint.				
	Bail-out mud	1			
	Clean & Wipe Dry	1			
	Internal sanding & disc grinding	72.8			
	Repainting of MAS (1) and - MAS (BED) internals- 1 coat Epoxy anti-corrosive	72.8			
	Repainting of MAS (1) and - MAS (BED) internals- 1 coat Epoxy anti-corrosive	72.8			
	Repainting of MAS (1) and - MAS (BED) internals- 1 coat Epoxy top coat paints	72.8			
	Repainting of MAS (1) and - MAS (BED) internals- 1 coat Epoxy top coat paints	72.8			
	Yard supply paints & thinners for 2coat systems, 72.80m ²	145.6			
	Carpentry works	72.8			
5	C/E (1) areas				
	Refurbishment, Cleaning, de-rusting, chip off rust & wipe it dry & paint.				
	Bail-out mud	1			
	Clean & Wipe Dry	1			
	Internal sanding & disc grinding	9			
	Repainting of C/E (1) internals- 1 coat Epoxy anti-corrosive	9			

Repainting of C/E (1) internals- 1 coat Epoxy	9						
anti-corrosive							
Repainting of C/E (1) internals- 1 coat Epoxy top coat paints	9						
Repainting of C/E (1) internals- 1 coat Epoxy top coat paints	9						
Yard supply paints & thinners for 2coat systems, 45.44m ²	18						
Carpentry works	9						
2/E (1) areas							
Refurbishment, Cleaning, de-rusting, chip off rust & wipe it dry & paint.							
Bail-out mud	1						
Clean & Wipe Dry	1						
Internal sanding & disc grinding	6						
Repainting of 2/E (1) internals- 1 coat Epoxy anti- corrosive	6						
Repainting of 2/E (1) internals- 1 coat Epoxy anti- corrosive	6						
Repainting of 2/E (1) internals- 1 coat Epoxy top coat paints	6						
Repainting of 2/E (1) internals- 1 coat Epoxy top coat paints	6						
Yard supply paints & thinners for 2coat systems, 40.20m ²	12						
Carpentry works	6						
2/M (1) areas							
Refurbishment, Cleaning, de-rusting, chip off rust & wipe it dry & paint.							
Bail-out mud	1						
Clean & Wipe Dry	1						
	anti-corrosive Repainting of C/E (1) internals- 1 coat Epoxy top coat paints Repainting of C/E (1) internals- 1 coat Epoxy top coat paints Yard supply paints & thinners for 2coat systems, 45.44m² Carpentry works 2/E (1) areas Refurbishment, Cleaning, de-rusting, chip off rust & wipe it dry & paint. Bail-out mud Clean & Wipe Dry Internal sanding & disc grinding Repainting of 2/E (1) internals- 1 coat Epoxy anticorrosive Repainting of 2/E (1) internals- 1 coat Epoxy anticorrosive Repainting of 2/E (1) internals- 1 coat Epoxy top coat paints Repainting of 2/E (1) internals- 1 coat Epoxy top coat paints Repainting of 2/E (1) internals- 1 coat Epoxy top coat paints Yard supply paints & thinners for 2coat systems, 40.20m² Carpentry works 2/M (1) areas Refurbishment, Cleaning, de-rusting, chip off rust & wipe it dry & paint. Bail-out mud	anti-corrosive Repainting of C/E (1) internals- 1 coat Epoxy top coat paints Repainting of C/E (1) internals- 1 coat Epoxy top coat paints Yard supply paints & thinners for 2coat systems, 45.44m² Carpentry works 2/E (1) areas Refurbishment, Cleaning, de-rusting, chip off rust & wipe it dry & paint. Bail-out mud 1 Clean & Wipe Dry Internal sanding & disc grinding Repainting of 2/E (1) internals- 1 coat Epoxy anticorrosive Repainting of 2/E (1) internals- 1 coat Epoxy anticorrosive Repainting of 2/E (1) internals- 1 coat Epoxy top coat paints Repainting of 2/E (1) internals- 1 coat Epoxy top coat paints Repainting of 2/E (1) internals- 1 coat Epoxy top coat paints Yard supply paints & thinners for 2coat systems, 40.20m² Carpentry works 2/M (1) areas Refurbishment, Cleaning, de-rusting, chip off rust & wipe it dry & paint. Bail-out mud 1	anti-corrosive Repainting of C/E (1) internals- 1 coat Epoxy top coat paints Repainting of C/E (1) internals- 1 coat Epoxy top coat paints Yard supply paints & thinners for 2coat systems, 45.44m² Carpentry works 9 2/E (1) areas Refurbishment, Cleaning, de-rusting, chip off rust & wipe it dry & paint. Bail-out mud 1 Clean & Wipe Dry Internal sanding & disc grinding Repainting of 2/E (1) internals- 1 coat Epoxy anticorrosive Repainting of 2/E (1) internals- 1 coat Epoxy anticorrosive Repainting of 2/E (1) internals- 1 coat Epoxy top coat paints Yard supply paints & thinners for 2coat systems, 40.20m² Carpentry works Refurbishment, Cleaning, de-rusting, chip off rust & wipe it dry & paint. Bail-out mud 1	anti-corrosive Repainting of C/E (1) internals- 1 coat Epoxy top coat paints Pard supply paints & thinners for 2coat systems, 45.44m² Carpentry works 9 Z/E (1) areas Refurbishment, Cleaning, de-rusting, chip off rust & wipe it dry & paint. Bail-out mud Clean & Wipe Dry Internal sanding & disc grinding Repainting of 2/E (1) internals- 1 coat Epoxy anticorrosive Repainting of 2/E (1) internals- 1 coat Epoxy anticorrosive Repainting of 2/E (1) internals- 1 coat Epoxy top coat paints Repainting of 2/E (1) internals- 1 coat Epoxy top coat paints Repainting of 2/E (1) internals- 1 coat Epoxy top coat paints Repainting of 2/E (1) internals- 1 coat Epoxy top coat paints Repainting of 2/E (1) internals- 1 coat Epoxy top coat paints Repainting of 2/E (1) internals- 1 coat Epoxy top coat paints Repainting of 2/E (1) internals- 1 coat Epoxy top coat paints Repainting of 2/E (1) internals- 1 coat Epoxy top coat paints Repainting of 2/E (1) internals- 1 coat Epoxy top coat paints Repainting of 2/E (1) internals- 1 coat Epoxy top coat paints Repainting of 2/E (1) internals- 1 coat Epoxy top coat paints Repainting of 2/E (1) internals- 1 coat Epoxy top coat paints Repainting of 2/E (1) internals- 1 coat Epoxy top coat paints Repainting of 2/E (1) internals- 1 coat Epoxy top coat paints Repainting of 2/E (1) internals- 1 coat Epoxy top coat paints Repainting of 2/E (1) internals- 1 coat Epoxy top coat paints Repainting of 2/E (1) internals- 1 coat Epoxy top coat paints Repainting of 2/E (1) internals- 1 coat Epoxy top coat paints Repainting of 2/E (1) internals- 1 coat Epoxy top coat paints 12 40.20m² Carpentry works 2/M (1) areas Refurbishment, Cleaning, de-rusting, chip off rust & wipe it dry & paint. Bail-out mud	anti-corrosive Repainting of C/E (1) internals- 1 coat Epoxy top coat paints Repainting of C/E (1) internals- 1 coat Epoxy top coat paints Yard supply paints & thinners for 2coat systems, 45.44m² Carpentry works 9 2/E (1) areas Refurbishment, Cleaning, de-rusting, chip off rust & wipe it dry & paint. Bail-out mud Clean & Wipe Dry Internal sanding & disc grinding Repainting of 2/E (1) internals- 1 coat Epoxy anti-corrosive Repainting of 2/E (1) internals- 1 coat Epoxy anti-corrosive Repainting of 2/E (1) internals- 1 coat Epoxy top coat paints Yard supply paints & thinners for 2coat systems, 40.20m² Carpentry works 2/M (1) areas Refurbishment, Cleaning, de-rusting, chip off rust & wipe it dry & paint. Repainting of 2/E (1) internals- 1 coat Epoxy top coat paints Repainting of 2/E (1) internals- 1 coat Epoxy top coat paints Yard supply paints & thinners for 2coat systems, 40.20m² Carpentry works 2/M (1) areas Refurbishment, Cleaning, de-rusting, chip off rust & wipe it dry & paint. Bail-out mud 1	anti-corrosive Repainting of C/E (1) internals- 1 coat Epoxy top coat paints Repainting of C/E (1) internals- 1 coat Epoxy top coat paints Repainting of C/E (1) internals- 1 coat Epoxy top coat paints Yard supply paints & thinners for 2coat systems, 45.44m² Carpentry works 9 2/E (1) areas Refurbishment, Cleaning, de-rusting, chip off rust & wipe it dry & paint. Bail-out mud 1 Clean & Wipe Dry Internal sanding & disc grinding Repainting of 2/E (1) internals- 1 coat Epoxy anticorrosive Repainting of 2/E (1) internals- 1 coat Epoxy anticorrosive Repainting of 2/E (1) internals- 1 coat Epoxy top coat paints Repaint	anti-corrosive Repainting of C/E (1) internals- 1 coat Epoxy top coat paints Repainting of C/E (1) internals- 1 coat Epoxy top coat paints Repainting of C/E (1) internals- 1 coat Epoxy top coat paints Repainting of C/E (1) internals- 1 coat Epoxy top coat paints Repainting of Z/E (1) areas Refurbishment, Cleaning, de-rusting, chip off rust & wipe it dry & paint. Bail-out mud Clean & Wipe Dry Internal sanding & disc grinding Repainting of Z/E (1) internals- 1 coat Epoxy anti-corrosive Repainting of Z/E (1) internals- 1 coat Epoxy anti-corrosive Repainting of Z/E (1) internals- 1 coat Epoxy top coat paints Repainting of Z/E (1) internals- 1 coat Epoxy top coat paints Yard supply paints & thinners for 2 coat systems, 40.20m² Carpentry works Refurbishment, Cleaning, de-rusting, chip off rust & wipe it dry & paint. Refurbishment, Cleaning, de-rusting, chip off rust & wipe it dry & paint. Bail-out mud 1

	Internal sanding & disc grinding	6			
	Repainting of 2/M (1) internals- 1 coat Epoxy anti-corrosive	6			
	Repainting of 2/M (1) internals- 1 coat Epoxy anti-corrosive	6			
	Repainting of 2/M (1) internals- 1 coat Epoxy top coat paints	6			
	Repainting of 2/M (1) internals- 1 coat Epoxy top coat paints	6			
	Yard supply paints & thinners for 2coat systems, 41.30m ²	12			
	Carpentry works	6			
8	3/M (1) areas				
	Refurbishment, Cleaning, de-rusting, chip off rust & wipe it dry & paint.				
	Bail-out mud	1			
	Clean & Wipe Dry	1			
	Internal sanding & disc grinding	6			
	Repainting of 3/M (1) internals- 1 coat Epoxy anti-corrosive	6			
	Repainting of 3/M (1) internals- 1 coat Epoxy anti-corrosive	6			
	Repainting of 3/M (1) internals- 1 coat Epoxy top coat paints	6			
	Repainting of 3/M (1) internals- 1 coat Epoxy top coat paints	6			
	Yard supply paints & thinners for 2coat systems, 40.20m ²	12			
	Carpentry works	6			
9	P. LAV areas				

	Refurbishment, Cleaning, de-rusting, chip off rust				1	
	& wipe it dry & paint.					
	Bail-out mud	1				
	Clean & Wipe Dry	1				
	Internal sanding & disc grinding	5				
	Repainting of P. LAV internals- 1 coat Epoxy anti- corrosive	5				
	Repainting of P. LAV internals- 1 coat Epoxy anti- corrosive	5				
	Repainting of P. LAV internals- 1 coat Epoxy top coat paints	5				
	Repainting of P. LAV internals- 1 coat Epoxy top coat paints	5				
	Yard supply paints & thinners for 2coat systems, 34.20m ²	10				
	Carpentry works	5				
10	OFF LAV areas					
	Refurbishment, Cleaning, de-rusting, chip off rust & wipe it dry & paint.					
	Bail-out mud	1				
	Clean & Wipe Dry	1				
	Internal sanding & disc grinding	8				
	Repainting of OFF LAV internals- 1 coat Epoxy anti-corrosive	8				
	Repainting of OFF LAV internals- 1 coat Epoxy anti-corrosive	8				
	Repainting of OFF LAV internals- 1 coat Epoxy top coat paints	8				
	Repainting of OFF LAV internals- 1 coat Epoxy top coat paints	8				

Ī	Yard supply paints & thinners for 2coat systems,	16			
	39.60m²				
	Carpentry works	8			
11	Saloon areas				
	Refurbishment, Cleaning, de-rusting, chip off rust & wipe it dry & paint.				
	Bail-out mud	1			
	Clean & Wipe Dry	1			
	Internal sanding & disc grinding	8			
	Repainting of Saloon internals- 1 coat Epoxy anti- corrosive	8			
	Repainting of Saloon internals- 1 coat Epoxy anti- corrosive	8			
	Repainting of Saloon internals- 1 coat Epoxy top coat paints	8			
	Repainting of Saloon internals- 1 coat Epoxy top coat paints	8			
	Yard supply paints & thinners for 2coat systems, 82.20m ²	16			
	Carpentry works	8			
12	3/E & 4/E (2) areas				
	Refurbishment, Cleaning, de-rusting, chip off rust & wipe it dry & paint.				
	Bail-out mud	1			
	Clean & Wipe Dry	1			
	Internal sanding & disc grinding	6			
	Repainting of 3/E & 4/E (2) internals- 1 coat Epoxy anti-corrosive	6			
	Repainting of 3/E & 4/E (2) internals- 1 coat Epoxy anti-corrosive	6			

	Repainting of 3/E & 4/E (2) internals- 1 coat Epoxy top coat paints	6			
	Repainting of 3/E & 4/E (2) internals- 1 coat Epoxy top coat paints	6			
	Yard supply paints & thinners for 2coat systems, 31.74m ²	12			
	Carpentry works	6			
13	Crew A (2) areas				
	Refurbishment, Cleaning, de-rusting, chip off rust & wipe it dry & paint.				
	Bail-out mud	1			
	Clean & Wipe Dry	1			
	Internal sanding & disc grinding	6			
	Repainting of Crew A (2) internals- 1 coat Epoxy anti-corrosive	6			
	Repainting of Crew A (2) internals- 1 coat Epoxy anti-corrosive	6			
	Repainting of Crew A (2) internals- 1 coat Epoxy top coat paints	6			
	Repainting of Crew A (2) internals- 1 coat Epoxy top coat paints	6			
	Yard supply paints & thinners for 2coat systems, 31.74m ²	12			
	Carpentry works	6			
14	Crew B (2) areas				
	Refurbishment, Cleaning, de-rusting, chip off rust & wipe it dry & paint.				
	Bail-out mud	1			
	Clean & Wipe Dry	1			
	Internal sanding & disc grinding	6			

	Repainting of Crew B (2) internals- 1 coat Epoxy anti-corrosive	6			
	Repainting of Crew B (2) internals- 1 coat Epoxy anti-corrosive	6			
	Repainting of Crew B (2) internals- 1 coat Epoxy top coat paints	6			
	Repainting of Crew B (2) internals- 1 coat Epoxy top coat paints	6			
	Yard supply paints & thinners for 2coat systems, 26.04m ²	12			
	Carpentry works	6			
15	Crew C (4) areas				
	Refurbishment, Cleaning, de-rusting, chip off rust & wipe it dry & paint.				
	Bail-out mud	1			
	Clean & Wipe Dry	1			
	Internal sanding & disc grinding	8			
	Repainting of Crew C (4) internals- 1 coat Epoxy anti-corrosive	8			
	Repainting of Crew C (4) internals- 1 coat Epoxy anti-corrosive	8			
	Repainting of Crew C (4) internals- 1 coat Epoxy top coat paints	8			
	Repainting of Crew C (4) internals- 1 coat Epoxy top coat paints	8			
	Yard supply paints & thinners for 2coat systems, 37.04m ²	16			
	Carpentry works	8			
16	Crew D (4) areas				
	Refurbishment, Cleaning, de-rusting, chip off rust & wipe it dry & paint.				

	Bail-out mud	1				
	Clean & Wipe Dry	1				
	Internal sanding & disc grinding	7				
	Repainting of Crew D (4) internals- 1 coat Epoxy anti-corrosive	7				
	Repainting of Crew D (4) internals- 1 coat Epoxy anti-corrosive	7				
	Repainting of Crew D (4) internals- 1 coat Epoxy top coat paints	7				
	Repainting of Crew D (4) internals- 1 coat Epoxy top coat paints	7				
	Yard supply paints & thinners for 2coat systems, 34.48m ²	14				
	Carpentry works	7				
17	Crew E (4) areas					
	Refurbishment, Cleaning, de-rusting, chip off rust & wipe it dry & paint.					
	Bail-out mud	1				
	Clean & Wipe Dry	1				
	Internal sanding & disc grinding	8				
	Repainting of Crew E (4) internals- 1 coat Epoxy anti-corrosive	8				
	Repainting of Crew E (4) internals- 1 coat Epoxy anti-corrosive	8				
	Repainting of Crew E (4) internals- 1 coat Epoxy top coat paints	8				
	Repainting of Crew E (4) internals- 1 coat Epoxy top coat paints	8				
	Yard supply paints & thinners for 2coat systems, 51.20m ²	16				
	Carpentry works	8				

18	Crew F (4) areas				
	Refurbishment, Cleaning, de-rusting, chip off rust & wipe it dry & paint.				
	Bail-out mud	1			
	Clean & Wipe Dry	1			
	Internal sanding & disc grinding	8			
	Repainting of Crew F (4) internals- 1 coat Epoxy anti-corrosive	8			
	Repainting of Crew F (4) internals- 1 coat Epoxy anti-corrosive	8			
	Repainting of Crew F (4) internals- 1 coat Epoxy top coat paints	8			
	Repainting of Crew F (4) internals- 1 coat Epoxy top coat paints	8			
	Yard supply paints & thinners for 2coat systems, 40.20m ²	16			
	Carpentry works	8			
19	Crew G (4) areas				
	Refurbishment, Cleaning, de-rusting, chip off rust & wipe it dry & paint.				
	Bail-out mud	1			
	Clean & Wipe Dry	1			
	Internal sanding & disc grinding	8			
	Repainting of Crew G (4) internals- 1 coat Epoxy anti-corrosive	8			
	Repainting of Crew G (4) internals- 1 coat Epoxy anti-corrosive	8			
	Repainting of Crew G (4) internals- 1 coat Epoxy top coat paints	8			
	Repainting of Crew G (4) internals- 1 coat Epoxy top coat paints	8			

	Yard supply paints & thinners for 2coat systems,	16			
	34.26m²				
	Carpentry works	8			
20	Crew H (4) areas				
	Refurbishment, Cleaning, de-rusting, chip off rust & wipe it dry & paint.				
	Bail-out mud	1			
	Clean & Wipe Dry	1			
	Internal sanding & disc grinding	7			
	Repainting of Crew H (4) internals- 1 coat Epoxy anti-corrosive	7			
	Repainting of Crew H (4) internals- 1 coat Epoxy anti-corrosive	7			
	Repainting of Crew H (4) internals- 1 coat Epoxy top coat paints	7			
	Repainting of Crew H (4) internals- 1 coat Epoxy top coat paints	7			
	Yard supply paints & thinners for 2coat systems, 41.60m ²	14			
	Carpentry works	7			
21	Shower areas				
	Refurbishment, Cleaning, de-rusting, chip off rust & wipe it dry & paint.				
	Bail-out mud	1			
	Clean & Wipe Dry	1			
	Internal sanding & disc grinding	21			
	Repainting of Shower internals- 1 coat Epoxy anti-corrosive	21			
	Repainting of Shower internals- 1 coat Epoxy anti-corrosive	21			

	Repainting of Shower internals- 1 coat Epoxy top coat paints	21			
	Repainting of Shower internals- 1 coat Epoxy top coat paints	21			
	Yard supply paints & thinners for 2 coat systems, 34.90m ²	42			
	Carpentry works	21			
22	OWN 1 (SOTC) areas				
	Refurbishment, Cleaning, de-rusting, chip off rust & wipe it dry & paint.				
	Bail-out mud	1			
	Clean & Wipe Dry	1			
	Internal sanding & disc grinding	8			
	Repainting of OWN 1 (SOTC) internals- 1 coat Epoxy anti-corrosive	8			
	Repainting of OWN 1 (SOTC) internals- 1 coat Epoxy anti-corrosive	8			
	Repainting of OWN 1 (SOTC) internals- 1 coat Epoxy top coat paints	8			
	Repainting of OWN 1 (SOTC) internals- 1 coat Epoxy top coat paints	8			
	Yard supply paints & thinners for 2coat systems, 45.66m ²	16			
	Carpentry works	8			
23	Office areas				
	Refurbishment, Cleaning, de-rusting, chip off rust & wipe it dry & paint.		 		
	Bail-out mud	1			
	Clean & Wipe Dry	1			
	Internal sanding & disc grinding	9			

	Repainting of Office internals- 1 coat Epoxy anti-	9		1	
	corrosive				
	Repainting of Office internals- 1 coat Epoxy anti- corrosive	9			
	Repainting of Office internals- 1 coat Epoxy top coat paints	9			
	Repainting of Office internals- 1 coat Epoxy top coat paints	9			
	Yard supply paints & thinners for 2coat systems, 39.20m ²	18			
	Carpentry works	9			
24	Pantry areas				
	Refurbishment, Cleaning, de-rusting, chip off rust & wipe it dry & paint.				
	Bail-out mud	1			
	Clean & Wipe Dry	1			
	Internal sanding & disc grinding	4			
	Repainting of Pantry internals- 1 coat Epoxy anti- corrosive	4			
	Repainting of Pantry internals- 1 coat Epoxy anti- corrosive	4			
	Repainting of Pantry internals- 1 coat Epoxy top coat paints	4			
	Repainting of Pantry internals- 1 coat Epoxy top coat paints	4			
	Yard supply paints & thinners for 2coat systems, 29.80m ²	8			
	Carpentry works	4			
25	Store areas				
	Refurbishment, Cleaning, de-rusting, chip off rust & wipe it dry & paint.				

	Bail-out mud	1 1			
	Clean & Wipe Dry	1			
	Internal sanding & disc grinding	15			
	Repainting of Store internals- 1 coat Epoxy anti- corrosive	15			
	Repainting of Store internals- 1 coat Epoxy anti- corrosive	15			
	Repainting of Store internals- 1 coat Epoxy top coat paints	15			
	Repainting of Store internals- 1 coat Epoxy top coat paints	15			
	Yard supply paints & thinners for 2coat systems, 23.92m ²	30			
	Carpentry works	15			
26	MCR areas				
	Refurbishment, Cleaning, de-rusting, chip off rust & wipe it dry & paint.				
	Bail-out mud	1			
	Clean & Wipe Dry	4			
	Olcan a wipe bry	1 1			
	Internal sanding & disc grinding	10			
	Internal sanding & disc grinding Repainting of MCR internals- 1 coat Epoxy anticorrosive Repainting of MCR internals- 1 coat Epoxy anticorrosive	10 10 10			
	Internal sanding & disc grinding Repainting of MCR internals- 1 coat Epoxy anticorrosive Repainting of MCR internals- 1 coat Epoxy anticorrosive Repainting of MCR internals- 1 coat Epoxy top coat paints	10			
	Internal sanding & disc grinding Repainting of MCR internals- 1 coat Epoxy anticorrosive Repainting of MCR internals- 1 coat Epoxy anticorrosive Repainting of MCR internals- 1 coat Epoxy top	10 10 10			
	Internal sanding & disc grinding Repainting of MCR internals- 1 coat Epoxy anticorrosive Repainting of MCR internals- 1 coat Epoxy anticorrosive Repainting of MCR internals- 1 coat Epoxy top coat paints Repainting of MCR internals- 1 coat Epoxy top	10 10 10 10			

27	Laund areas				
	Refurbishment, Cleaning, de-rusting, chip off rust & wipe it dry & paint.				
	Bail-out mud	1			
	Clean & Wipe Dry	1			
	Internal sanding & disc grinding	6			
	Repainting of Laund internals- 1 coat Epoxy anti- corrosive	6			
	Repainting of Laund internals- 1 coat Epoxy anti- corrosive	6			
	Repainting of Laund internals- 1 coat Epoxy top coat paints	6			
	Repainting of Laund internals- 1 coat Epoxy top coat paints	6			
	Yard supply paints & thinners for 2coat systems, 37.66m ²	12			
	Carpentry works	6			
28	Crew Lav areas				
	Refurbishment, Cleaning, de-rusting, chip off rust & wipe it dry & paint.				
	Bail-out mud	1			
	Clean & Wipe Dry	1			
	Internal sanding & disc grinding	6			
	Repainting of Crew Lav internals- 1 coat Epoxy anti-corrosive	6			
	Repainting of Crew Lav internals- 1 coat Epoxy anti-corrosive	6			
	Repainting of Crew Lav internals- 1 coat Epoxy top coat paints	6			
	Repainting of Crew Lav internals- 1 coat Epoxy top coat paints	6			

	Yard supply paints & thinners for 2coat systems, 66.80m ²	12			
	Carpentry works	6			
29	P. OFF MESS areas				
	Refurbishment, Cleaning, de-rusting, chip off rust & wipe it dry & paint.				
	Bail-out mud	1			
	Clean & Wipe Dry	1			
	Internal sanding & disc grinding	15			
	Repainting of P. OFF MESS internals- 1 coat Epoxy anti-corrosive	15			
	Repainting of P. OFF MESS internals- 1 coat Epoxy anti-corrosive	15			
	Repainting of P. OFF MESS internals- 1 coat Epoxy top coat paints	15			
	Repainting of P. OFF MESS internals- 1 coat Epoxy top coat paints	15			
	Yard supply paints & thinners for 2coat systems, 71.40m ²	30			
	Carpentry works	15			
30	Crew Mess areas				
	Refurbishment, Cleaning, de-rusting, chip off rust & wipe it dry & paint.				
	Bail-out mud	2			
	Clean & Wipe Dry	1			
	Internal sanding & disc grinding	22.5			
	Repainting of Crew Mess internals- 1 coat Epoxy anti-corrosive	22.5			
	Repainting of Crew Mess internals- 1 coat Epoxy anti-corrosive	22.5			

	Repainting of Crew Mess internals- 1 coat Epoxy	22.5			
	top coat paints				
	Repainting of Crew Mess internals- 1 coat Epoxy top coat paints	22.5			
	Yard supply paints & thinners for 2coat systems, 102.20m ²	45			
	Carpentry works	22.5			
31	Galley areas				
	Refurbishment, Cleaning, de-rusting, chip off rust & wipe it dry & paint.				
	Bail-out mud	1			
	Clean & Wipe Dry	1			
	Internal sanding & disc grinding	17.5			
	Repainting of Galley internals- 1 coat Epoxy anti- corrosive	17.5			
	Repainting of Galley internals- 1 coat Epoxy anti- corrosive	17.5			
	Repainting of Galley internals- 1 coat Epoxy top coat paints	17.5			
	Repainting of Galley internals- 1 coat Epoxy top coat paints	17.5			
	Yard supply paints & thinners for 2coat systems, 67.20m ²	35			
	Carpentry works	17.5			
32	Hall way (Upper DK) areas 13 sq.m				
	Refurbishment, Cleaning, de-rusting, chip off rust & wipe it dry & paint.				
	Bail-out mud	5			
	Clean & Wipe Dry	1			
	Internal sanding & disc grinding	13			

	Repainting of Hall way (Upper DK) internals- 1 coat Epoxy anti-corrosive	13			
	Repainting of Hall way (Upper DK) internals- 1 coat Epoxy anti-corrosive	13			
	Repainting of Hall way (Upper DK) internals- 1 coat Epoxy top coat paints	13			
	Repainting of Hall way (Upper DK) internals- 1 coat Epoxy top coat paints	13			
	Yard supply paints & thinners for 2coat systems, 277.80m ²	26			
	Carpentry works	13			
33	Hall way (Poop DK) areas 16 sq.m				
	Refurbishment, Cleaning, de-rusting, chip off rust & wipe it dry & paint.				
	Bail-out mud	3			
	Clean & Wipe Dry	1			
	Internal sanding & disc grinding	16			
	Repainting of Hall way (Poop DK) internals- 1 coat Epoxy anti-corrosive	16			
	Repainting of Hall way (Poop DK) internals- 1 coat Epoxy anti-corrosive	16			
	Repainting of Hall way (Poop DK) internals- 1 coat Epoxy top coat paints	16			
	Repainting of Hall way (Poop DK) internals- 1 coat Epoxy top coat paints	16			
	Yard supply paints & thinners for 2coat systems, 159.80m ²	32			
	Carpentry works	16			
34	Armory Room 1 areas 4 sq.m				
	Refurbishment, Cleaning, de-rusting, chip off rust & wipe it dry & paint.			-	

	Bail-out mud	1 1			
	Clean & Wipe Dry	1			
	Internal sanding & disc grinding	4			
	Repainting of Armory Room 1 internals- 1 coat Epoxy anti-corrosive	4			
	Repainting of Armory Room 1 internals- 1 coat Epoxy anti-corrosive	4			
	Repainting of Armory Room 1 internals- 1 coat Epoxy top coat paints	4			
	Repainting of Armory Room 1 internals- 1 coat Epoxy top coat paints	4			
	Yard supply paints & thinners for 2coat systems, 45.66m ²	8			
	Carpentry works	4			
35	Armory Room 2 areas 4 sq.m				
	Refurbishment, Cleaning, de-rusting, chip off rust & wipe it dry & paint.				
	Bail-out mud	1			
	Clean & Wipe Dry	1			
	Internal sanding & disc grinding	4			
	Repainting of Armory Room 2 internals- 1 coat Epoxy anti-corrosive	4			
	Repainting of Armory Room 2 internals- 1 coat Epoxy anti-corrosive	4			
	Repainting of Armory Room 2 internals- 1 coat Epoxy top coat paints	4			
	Repainting of Armory Room 2 internals- 1 coat Epoxy top coat paints	4			
	Yard supply paints & thinners for 2coat systems, 45.66m ²	8			
	Carpentry works	4			

36	Aircon Room areas 9 sq.m				
	Refurbishment, Cleaning, de-rusting, chip off rust & wipe it dry & paint.				
	Bail-out mud	1			
	Clean & Wipe Dry	1			
	Internal sanding & disc grinding	9			
	Repainting of Aircon Room internals- 1 coat Epoxy anti-corrosive	9			
	Repainting of Aircon Room internals- 1 coat Epoxy anti-corrosive	9			
	Repainting of Aircon Room internals- 1 coat Epoxy top coat paints	9			
	Repainting of Aircon Room internals- 1 coat Epoxy top coat paints	9			
	Yard supply paints & thinners for 2coat systems, 45.66m ²	18			
	Carpentry works	9			
37	Pull-out and renew wooden dunnage at buoy deck 65 mm Pressure Treated Wooden Plank	1			
38	Buoy Deck and Cargo Hold Nr 1 and Nr 2 Deck	195			
	Repair of wooden Deck and bulkhead				
	preplacement of wooden deck of cargo Hold Nr 1 and hold Nr 2				
	Reconditioning and Remaining of BHD, Overhead structures and Decks	6399.8 3			
39	PEST CONTROL AND FUMMIGATION	1			
NA	VIGATIONAL EQUIPMENTS				
1	Troubleshooting and Relocation of SEARCH LIGHT	1			

	- Troubleshoot the connection wirings Search				
	Light				
	- Modified to manual controllable Search Light				
	- Replacement of search light bulb (500) watts and provide 20 pcs for spare				
	- Provide labor materials for its repair				
	- Replacement of the Search Light and Repair its components				
	- Synchronize with all Navigational Equipment.				
	- Testing and Commissioning				
2	Air Horn and pipelines	1			
	- Supply and Installation of Ships horn				
	- Replacement of Air Pipings				
PR	OPULSION WORKS				
TAI	LSHAFT WORKS				
1	Crop-out and reinstallation of rope guard IWO bearing clearances.	2			
2	Measure tail shaft bearing clearances and submit result to owner rep.:				
	- Outboard	2			
	- Inboard	2			
3	Replacement of the tail shaft if bearing clearances are failed, supply and machining.	4			
4	Remove /reinstall of P&S Outboard & Inboard Bearing	4			
5	Pull-out and reinstallation of :				
	- Coupling	2			
	- Tail shaft (Oil lubricated)	2			

	- Removal/reinstallation of Outboard and inboard	4			
	shaft seal housing.				
	- Dismantling/assemble Outboard and inboard shaft seal.	4			
	- Machining/reconditioning of Outboard and inboard seal liner	4			
	- Plumber Block	2			
	- Transmitter to propeller Revolution	2			
	- Supply of shaft seal.	4			
6	Drain / refill lube oil.				
	-Stern Tube / Stern Tube tank	1			
	- Supply of lube oil. 400 liters	2			
	- Plummer Block 100 liters	1			
7	Hauling to shop:				
	- Tail shaft	2			
	- Shaft seal housing	2			
8	Mounting of tail shaft				
	-Check radial/ axial alignment	2			
	- Machining/Repair if necessary in order to support shafting Good -Condition	2			
	- Testing and Commissioning	2			
RU	DDER WORKS				
1	Measure bearing clearances and submit result to owner rep.				
	- Rudder post upper and lower	4			
	- Pintle	2			
	- Replacement of Rudder bearing , pintle, lower & upper bearings P&S	6			
2	Pull-out and reinstallation of :				

	- Rudder Blade	2			
	- Rudder stock	2			
	- Supply of Bearing/ Bushing	6			
3	Mounting of rudder stock check straightness and polish.	2			
4	Disconnect / reconnect.				
	- Hydraulic Cylinder / Testing.	4			
	- Replacement of oil seal.	4			
5	Sea Trial with yard personnel.	1			
PR	OPELLER WORKS				
1	Reconditioning of propeller blade.	2			
	- Removal of existing anodes at tail shaft and Installation of P/S				
	Tail shaft anodes using tapered type aluminum anodes.				
	- Pull-out and reinstallation of propeller cap and nut				
	- Pull-out and reinstallation of FPP propeller 5 blade after repair				
	- Hauling of propeller blade to shop and back after work completion				
	 Recondition of propeller blades Polishing of propeller blade, 				
	crack testing, blue fitting and static balancing, PORT & STARBOARD SIDE				
	- Testing and Commissioning				
2	Reconditioning of bow thruster propeller blade.	1			
	- Polish				
	- Straightening				

	- Build-up				
	- Grind				
	- Weighing				
	- Crack testing				
	- Static Balancing				
3	Recondition of bow thruster motor, electrical system and its components	1			
	CHINE SHOP / MECHANICAL / OUTFITTING				
<u>WC</u>	BOAT DAVIT PORT SIDE AND ITS CAPSTAN	1			
-		<u>'</u>			
	- Replacement of Hydraulic hoses				
	- Overhaul of boat Davit winch as required				
	- Overhaul of Control Valves				
	- Repair of damage part of the winches/gears				
	- Replacement of Boat Davit Rubber Fender				
	- Replacement of Boat Davit Rubber Fender Keel Boat Platform				
	- Replacement of Boat Davit Cable				
	- Pull-out and Replacement of fabricated Boat Davit Cable Drum.				
	- Servicing of Boat Davit Motor.				
	- Operational Test and Setting				
2	Main Air Compressor	1			
	- Recondition of Number 1 Main Air Compressor and Replacement of its components				
	- Recondition of Number 2 Main Air Compressor and Replacement of its Components				
	- Recondition of Back-up Main Air Compressor and Replacement of its Components				

	- Servicing of Compressor tank no. 1 & 2				
	- Repair Air Compressor Wiring System				
	- Repair Air Compressor leak, damage, worn-out gasket, and Damage				
	regulator/Fittings Distribution Pipelines System Replacement of parts				
	and Components to Support the Air Compressor System in Good Condition.				
	- Repair of leaking of air from air tank, corroded pipe line and wiring				
3	Repair General Service Pump No. 1	1			
	- Dismantling and cleaning of General Service Pump No. 1 and its components				
	- Remove and renew General Service Pump No. 1 electrical wirings & connections.				
	- Replacement of General Service Pump No. 1 defective parts.				
	- Cleaning & check internal Gears, Bearing, Bushing, and other components				
	to support General Service Pump No. 1				
	- Assembling and installing on its original condition.				
	Retrofitting of the pipelines and fittings attached to General Service Pump No. 1 and No. 2.				
	Commissioning & operational test.				
4	Port Emergency Steering Gear	1			
	- Repair, Replacement, and Recondition of Port Defective				
	emergency steering gear(manual operation)				
5	Fresh Water Pump / Sea water pump Assembly	1			

	- Replacement of Defective mechanical seal				
	- Supply and Installation of gate valve				
6	Fuel oil pump No.1 and No. 2	2			
	- Replacement of Fuel oil pump No.1				
	- Repair, Replacement and Recondition of Fuel oil pump No. 2				
	weak suction of fuel from main tank				
7	Windlass, Anchor and Anchor Chain	1			
8	Main Cargo Boom and Secondary Cargo Boom at fwd	1			
	- Repair, Replacement, Replating of corroded and holed arm cargo				
	boom, cables stiffed cables, corroded pulleys and corroded tripods				
9	Aluminum Boat				
	- Replacement of boat lights Replacement of electrical wirings.	1			
	- Replacement of Aluminum boat Cradle	1			
	- Cleaning and Repainting of high-Quality Paint	1			
	- Reconditioning of hull	1			
	- Recalibrating of steering Wheel	1			
	LL CLEANING/SURFACE PREPERATIONS AND INTING.				
1	High Pressure Wash.				
	- Hull FW high pressure Jet washing from Keel to Bulwark, assume area: 1,013 sq.m	1013			
	- Hull FW low pressure Washdown prior 2nd coat, keel to bulwark, assume area: 1,013 sq.m	1013			
2	Manually hard scrape barnacles.				

Ī	- Hull Scraping from Keel to DLL, assume area:	1013				
	1,013 sq.m					
	- Hull Manual Chipping, keel to DLL, assume area: 1,013 sq.m	1013				
3	Sea Chest Gratings open and close, wash, clean, blasting and painting.					
	1)Sea chest box/grids (clean, blast, paint, refit in good order)	6				
	Blasting and painting of sea chest boxes	6				
4	Cover zinc anodes IWO painting.	60				
5	Painting / Repaint the following:					
	- Stripping / tracing water line.	56.92				
	- Draft Marks Bow, Midship and Aft.	6				
	- Ship's Name	2				
	- Logo	2				
	- Cost Guard Stripes.	2				
	- Bow number	3				
	- Plimsoll line	2				
	Yard supply paints & thinners for markings/names/port of registry	1				
6	Hull Scupper chutes, 15 pcs	15				
7	Grit Blasting.					
	- Hull P/S		_			
	- 30% spot blasting 2.0	303.9				
	- 70% Sweep blasting 1.5/1.0	709.1				
	- Bottom to DLL					
	- One (1) F/C Epoxy Primer	696				
	- One (1) F/C Anti-Corrosive	696				

	- Two (2) F/C Anti-Fouling	1392			
	Yard supply paints & thinners for 4coat systems	2784			
	- DLL to Bulwark				
	- One (1) F/C Epoxy Primer	317			
	- One (1) F/C Anti-Corrosive	317			
	Yard supply paints & thinners for 2coat systems	634			
8	Cleaning of copper slag IWO of painting with anti-skid (4 men)	1500			
	Cup brushing of the following:				
	- Main Deck				
	- 2nd Deck				
	- 3rd Deck				
	- 4th Deck	1397.4			
	- Two (2) F/C coat primer paint	2794.8			
	- Two (2) F/C coat top coat paint with anti-skid	2794.8			
	Yard supply paints & thinners for 4coat systems	2794.8			
	- Cleaning IWO painting.	750			
9	Boat House Deck Flooring.				
	- Conduct cleaning by chipping/sanding,	10			
	- Paint with yard supply paint				
	1Full Coat Primer	10			
	1Full Coat Top coat high performance paint with anti-skid	10			
	- Supply of paint based on 3 coat system and anti-skid	20			
ST	RUCTURAL WORKS				
1	Crop-out and renew wasted zinc anodes (welded type, 8.5kgs)				

	P/S Side. Yard supply anodes.				
	Plain removal of Hull Zinc anodes, 8kg				
	- Hull	45			
	- Sea chest box	9			
	- Rudder Blade	6			
	Anode Installation				
	- Hull	45			
	- Sea chest box	9			
	- Rudder Blade	6			
	- Supply of 45pcs x 8.5kgs welded type Zinc anodes	60			
2	Power tooling and re-touch burned portion upon Installation of zinc anodes at hull.	60			
	- Conduct power tooling on anodes retouching	60			
3	Engine Room False Flooring Checkered deck Plate and Frame				
	Crop-out and Replating deteriorated frame and Replacement				
	of all checkered deck plate to perforated corrugated aluminum deck				
	- Removal of ER false flooring (checkered plate) including deck plate & frame	100			
	- Renewal of deteriorated plate and install new plate 3140 kgs	3140			
	- Renewal of deteriorated frame using angle bar. 942 kgs	942			
	- Supply of new Checkered plate 23 sheets- 6mm x 1219.2mm x 2438.4mmL	23			
	- Supply of new angle bar 25lengths- 8mmT x 50mm x 50mm x 6096mmL	25			

4	Crop-out and Replating thinned, failed to UTG, dented plates at hull				
	- Crop out and renew the deteriorated plates using yard supply materials,	13069. 1			
	- Supply of ABS Plate:10mmx1,828.8mmx6,096mmL x 15 sheets	15			
5	Hawse Pipe Port and Starboard	1			
	- Crop-out, Replating and Painting of Dilapidated and corroded parts of Hawse Pipe Port and Starboard				
6	Mooring bitts				
	-Supply, Replacement and repainting of corroded mooring bitts base, fair lead base and chocks				
7	Forecastle and Forecastle Deck				
	- Crop-out, Replating and Painting thinned, Corroded, Dilapidated and,	4308.6 5			
	dented Superstructure, Decks and Bulwark Stay				
	- Materials Supplied by Shipyard				
	- ABS Plate:10mmx1,828.8mmmx6,096mmLx 5 sheets	5			
	Conduct chipping & sanding	50			
	- Materials Paints and Thinners				
	Conduct chipping & sanding on mooring bitts and its base	50			
	1FC Anti Corrosive on mooring bitts	50			
	1FC Top Coat	50			
	- Supply of Paints to be supplied by Shipyard for 2coats system	100			
8	Stanchion Railings				

	- Supply and replacement of Stanchion Railings and Base	26			
	- Replacement of Chain Railings	1			
	- Materials and Paintings to be supplied by Shipyard				
	Conduct chipping & sanding on Stanchion Railings and Base	26			
	1FC Anti Corrosive	26			
	1FC Top Coat	26			
	- Supply of Paints to be supplied by Shipyard for 2coats system	52			
9	Hatches				
	- Replacement of stiffened rubber gasket of watertight hatches	8			
	- Replacement of stiffened dog locks of watertight hatches	8			
	- Replacement of corroded water tight hatches	100			
	- Markings of Dogs (O) open; (S) Shut	8			
	- Greasing of dogs	8			
	- Materials and Paintings to be supplied by Shipyard				
	Conduct chipping & sanding	50			
	1FC Anti Corrosive	50			
	1FC Top Coat	50			
	- Supply of Paints to be supplied by Shipyard for 2coats system	100			
	- Goose neck type Vents				
	-Replacement of stiffened rubber gasket	20			
	-Replacement of stiffened locks	20			

	-Replacement of corroded Goose neck type Vents	100			
	- Materials and Paintings to be supplied by Shipyard				
	Conduct chipping & sanding	20			
	1FC Anti Corrosive	20			
	1FC Top Coat	20			
	- Supply of Paints to be supplied by Shipyard for 2coats system	40			
9	Goose neck type wall Vents				
	-Replacement of stiffened rubber gasket	9			
	-Replacement of stiffened locks	9			
	-Replacement of corroded Goose neck type Vents	100			
	- Materials and Paintings to be supplied by Shipyard				
	Conduct chipping & sanding	10			
	1FC Anti Corrosive	10			
	1FC Top Coat	10			
	- Supply of Paints to be supplied by Shipyard for 2coats system	20			
10	Replacement and repair of mini gym canvass				
	- Pull-out and repair Broken brace	1			
	- Replacement of corroded base of mini gym canvass	100			
	- Replacement of stiffened canvass	1			
11	Gun Mount Port and Starboard				
	- Crop-out, replace and Replating of corroded, loosed thread and dilapidated Gun Mount Port and Starboard	100			

	- Materials Supplied by Shipyard					
	Conduct chipping & sanding	10				
	1FC Anti Corrosive	10				
	1FC Top Coat	10				
	- Supply of Paints to be supplied by Shipyard for 2coats system	20				
12	Hot Plates Nr 1,2,3 and 4 unit	4				
	- Replacement of Hot plates Nr 1,2,3 and 4 unit					
13	Ballast tank					
	- Crop-out and Replating thinned, conduct cleaning, chipping, sanding, and apply two (2) coats high performance on corroded plates	13069. 1				
	- Materials Supplied by Shipyard					
	- ABS Plate:10mmx1,828.8mmx6,096mmx 15 sheets	15				
	- Paint and Thinner					
	1FC Anti Corrosive	200				
	1FC Top Coat	200				
	- Supply of Paints to be supplied by Shipyard for 2coats system	400				
	A CHEST, PUMPS AND VALVES, PIPING PRKS					
1	Remove, haul to shop, open, clean and lap/grind to re-seat valve disc/seat, repack, hydrotest, re-Installation with new gasket using Shipyard Supplied and labeling:					
	- 5k150 Angle-Globe valve	2				
	- 5k50 Globe valve	2				
	- 5k125 Angle-Globe valve	2				

2	Replacement of sea chest boxes P/S		1	1	
	2 pcs x 12 mmT x 500 mmW x 600 mm H Top Plates 2 pcs x 12 mmT x 500 mmW x 600	56.52			
	2 pcs x 12 mmT x 500 mmW x 800 mm H End Plates 2 pcs x 12 mmT x 500 mmW x 800	75.36			
	4 pcs x 12 mmT x 600 mmW x 800 mm H Side Plates 4 pcs x 12 mmT x 600 mmW x 800	180.86			
	2 pcs x 150 mmDia. x 500 mmL Penetration Pipes- BI Sch80	2			
	2 pcs x 150 mmDia. Penetration Flanges	2			
	2 pcs x 150 mmDia. x New flanges	2			
	2 pcs x 125 mmDia. x 500 mmL Penetration Pipes- BI Sch80	2			
	2 pcs x 125 mmDia. Penetration Flanges	2			
	2 pcs x 125 mmDia. New flanges	2			
	2 pcs x 50 mmDia. x 500 mmL Penetration Pipes- BI Sch80	2			
	2 pcs x 50 mmDia. Penetration Flanges	2			
	2 pcs x 50 mmDia. New Flanges	2			
3	Full blasting of valves.	12			
	Renew the following:				
4	Sewage Piping System	1			
	- Conduct inspection to the corroded piping system and valve elbow flanges				
	- Replacement of worn-out, deteriorated and leaking pipes and valve elbow flanges				
	Power tooling of newly Installation of new and old piping system				
	- Painting of newly Installed pipings, fittings and old piping system				

	- Naming and labeling of pipes and valves				
	- Materials and Paintings to be supplied by Shipyard				
	Conduct chipping & sanding	25			
	1FC Anti Corrosive	25			
	1FC Top Coat	25			
	- Supply of Paints to be supplied by Shipyard for 2coats system	50			
5	Galley Piping System.	1			
	- Conduct inspection to the corroded piping system and valve elbow flanges				
	- Replacement of worn-out, deteriorated and leaking pipes and valve elbow flanges				
	- Power tooling of newly Installation of ed and old piping system				
	- Painting of newly Installed pipings, fittings and old piping system				
	- Naming and labeling of pipes and valves				
	- Materials and Paintings to be supplied by Shipyard				
	Conduct chipping & sanding	25			
	1FC Anti Corrosive	25			
	1FC Top Coat	25			
	- Supply of Paints to be supplied by Shipyard for 2coats system	50			
6	Fresh water Piping System	1			
	- Conduct inspection to the corroded piping system and valve elbow flanges				
	- Replacement of worn-out, deteriorated and leaking pipes and valve elbow flanges				

	- Power tooling of newly Installation of new and			1	
	old Piping system - Painting of newly Installed pipings, fittings and				
	old piping system				
	- Naming and labeling of pipes and valves				
	- Materials and Paintings to be supplied by Shipyard				
	Conduct chipping & sanding	25			
	1FC Anti Corrosive	25			
	1FC Top Coat	25			
	- Supply of Paints to be supplied by Shipyard for 2coats system	50			
	Fuel Oil Piping System	1			
	- Conduct inspection to the corroded piping system and valve elbow flanges				
	- Replacement of worn-out, deteriorated and leaking pipes and valve elbow flanges				
	- Power tooling of newly Installation of ed and old piping system				
	- Painting of newly Installed pipings, fittings and old piping system				
	- Naming and labeling of pipes and valves				
	- Materials and Paintings to be supplied by Shipyard				
	Conduct chipping & sanding	25			
	1FC Anti Corrosive	25			
	1FC Top Coat	25			
	- Supply of Paints to be supplied by Shipyard for 2coats system	50			
7	Sea Water Piping System	1			

		ī	Ī.	1	Ī	Ī	1 1
	- Conduct inspection to the corroded piping						
	system and valve elbow flanges						
	- Replacement of worn-out, deteriorated and						
	leaking pipes and valve elbow flanges						
	- Power tooling of newly Installation of ed and old						
	piping system						
	- Painting of newly Installed pipings, fittings and						
	old piping system						
	- Naming and labeling of pipes and valves						
	- Materials and Paintings to be supplied by						
	Shipyard						
	Conduct chipping & sanding	25					
	1FC Anti Corrosive	25					
	1FC Top Coat	25					
	- Supply of Paints to be supplied by Shipyard for	50					
	2coats system						
8	Bilge Pipings System	1					
		· •					
	- Conduct inspection to the corroded piping						
	- Conduct inspection to the corroded piping system and valve elbow flanges						
	- Conduct inspection to the corroded piping system and valve elbow flanges - Replacement of worn-out, deteriorated and						
	- Conduct inspection to the corroded piping system and valve elbow flanges						
	- Conduct inspection to the corroded piping system and valve elbow flanges - Replacement of worn-out, deteriorated and						
	Conduct inspection to the corroded piping system and valve elbow flanges Replacement of worn-out, deteriorated and leaking pipes and valve elbow flanges Power tooling of newly Installation of ed and old piping system						
	Conduct inspection to the corroded piping system and valve elbow flanges Replacement of worn-out, deteriorated and leaking pipes and valve elbow flanges Power tooling of newly Installation of ed and old piping system						
	- Conduct inspection to the corroded piping system and valve elbow flanges - Replacement of worn-out, deteriorated and leaking pipes and valve elbow flanges - Power tooling of newly Installation of ed and old piping system - Painting of newly Installed pipings, fittings and old piping system						
	Conduct inspection to the corroded piping system and valve elbow flanges Replacement of worn-out, deteriorated and leaking pipes and valve elbow flanges Power tooling of newly Installation of ed and old piping system Painting of newly Installed pipings, fittings and						
	- Conduct inspection to the corroded piping system and valve elbow flanges - Replacement of worn-out, deteriorated and leaking pipes and valve elbow flanges - Power tooling of newly Installation of ed and old piping system - Painting of newly Installed pipings, fittings and old piping system - Naming and labeling of pipes and valves - Materials and Paintings to be supplied by						
	- Conduct inspection to the corroded piping system and valve elbow flanges - Replacement of worn-out, deteriorated and leaking pipes and valve elbow flanges - Power tooling of newly Installation of ed and old piping system - Painting of newly Installed pipings, fittings and old piping system - Naming and labeling of pipes and valves - Materials and Paintings to be supplied by Shipyard						
	- Conduct inspection to the corroded piping system and valve elbow flanges - Replacement of worn-out, deteriorated and leaking pipes and valve elbow flanges - Power tooling of newly Installation of ed and old piping system - Painting of newly Installed pipings, fittings and old piping system - Naming and labeling of pipes and valves - Materials and Paintings to be supplied by Shipyard Conduct chipping & sanding	25					
	- Conduct inspection to the corroded piping system and valve elbow flanges - Replacement of worn-out, deteriorated and leaking pipes and valve elbow flanges - Power tooling of newly Installation of ed and old piping system - Painting of newly Installed pipings, fittings and old piping system - Naming and labeling of pipes and valves - Materials and Paintings to be supplied by Shipyard						

	- Supply of Paints to be supplied by Shipyard for	50			
	2coats system				
9	Fire monitor pump line at E/R.	1			
	- Conduct inspection to the corroded piping				
-	system and valve elbow flanges - Replacement of worn-out, deteriorated and				
	leaking pipes and valve elbow flanges				
	- Power tooling of newly Installation of ed and old piping system				
	- Painting of newly Installed pipings, fittings and old piping system				
	- Naming and labeling of pipes and valves				
	- Materials and Paintings to be supplied by Shipyard				
	Conduct chipping & sanding	25			
	1FC Anti Corrosive	25			
	1FC Top Coat	25			
	- Supply of Paints to be supplied by Shipyard for 2coats system	50			
10	Crew's Head , Officer's Head up to sewage tank.	1			
	- Conduct inspection to the corroded piping system and valve elbow flanges				
	- Replacement of worn-out, deteriorated and leaking pipes and valve elbow flanges				
	- Power tooling of newly Installation of ed and old piping system				
	- Painting of newly Installed pipings, fittings and old piping system				
	- Naming and labeling of pipes and valves				
	- Materials and Paintings to be supplied by Shipyard				

	Conduct chipping & sanding	25			
	1FC Anti Corrosive	25			
	1FC Top Coat	25			
	- Supply of Paints to be supplied by Shipyard for 2coats system	50			
	- Crop out and Replacement of Sea chest strainer box, breather P/S.	1			
	- Conduct Inspection and Replacement to the corroded three way pipe line	1			
	- Replacement of lavatory door and divider.	1			
	-Crop out and Replacement of worn-out sea water supply pipe line and faucet.	1			
11	Replacement of damaged toilet bowl.	1			
	-Painting of newly Installed pipes, fittings and old piping system.				
	Conduct chipping & sanding	25			
	1FC Anti Corrosive	25			
	1FC Top Coat	25			
	- Supply of Paints to be supplied by Shipyard for 2coats system	50			
12	Supply and delivery drainage strainer	1			
13	Ballast piping 1, 2, 3, 4 & wing tank.	1			
14	Conduct inspection to the corroded piping system and valve elbow flanges	1			
	- Replacement of and repair the piping system and valve elbow flanges				
	- Replacement of worn-out, deteriorated and leaking pipes and valve elbow flanges				
	Power tooling of newly Installation of ed and old piping system				

- Painting of newly Installation of new and old piping system				
Conduct chipping & sanding	25			
1FC Anti Corrosive	25			
1FC Top Coat	25			
- Supply of Paints to be supplied by Shipyard for 2coats system	50			
15 Sea lube & fuel pipes line of P/S Main Engine, P/S Auxiliary and Harbor Generator	1			
- Dismantling of lube & fuel pipes of P/S main engines and Auxiliary Engine P/S prior chemical treatment.				
- Conduct chemical treatment (pickling) on the lube and fuel oil pipes of P/S main Engine				
Utilize a boiler while performing hammering in said pipes and Conduct internal sandblasting as necessary				
- Conduct final oil flushing on the pipes prior Installation				
- Conduct re-Installation of lube and fuel oil pipes				
PUMPS AND PIPING SYSTEM				
1 Provide and Installation of brand new pumps as follows:				
a. Fire Pump 15HP	1			
- Centrifugal Pump with coupling coupled to 15HP				
- 3600RPM				
- 3 phase electric motor				
- 440V-480V				
- Centrifugal Type with coupling coupled to 15HP				

	- 3600RPM				
	- 60 Hertz				
	- 3 phase electric motor				
	- 220V				
	c. Bilge Pump 15HP	1			
	- Centrifugal Type with coupling coupled to 15HP				
	- 3600RPM				
	- 60 Hertz				
	- 3 phase electric motor				
	- 220V				
	- Centrifugal Type with coupling coupled to 2.2HP				
	- Kilowatts				
	- 3 Phase				
	- 220V/440V				
	- 50 Hertz				
	- 2900 RPM				
	e. Fresh Water Pump Motor No. 1	1			
	- Centrifugal Type with coupling coupled to 2.2HP				
	- 3 Phase				
	- 220V/440V				
	- 50/60 Hertz				
2	Fresh Water Pump No.2	1			
	-Replacement of Fresh water Pump No.2 effective mechanical seal				

	-Supply, Delivery, and Installation of lack of		Ī	1	
	Fresh water Pump No.2 gate valve				
3	Hydraulic Oil Sea Water Pump	1			
	- repair and Recondition of Leaked of ,unusual sound				
	and grounded Hydraulic Oil Sea Water Pump				
4	Overflow of tanks	1			
	- Replacement of Corroded and broken overflow of tank				
5	Replacement of Leaked of Hydraulic Pipe lines and Fitting of Cargo Winch Nr.1, Cargo Winch Nr.2 and Slewing Winch of Derrick Boom	1			
Н	ULL GAUGING & QUALITY CONTROL WORKS				
1	Ultrasonic Thickness Gauging				
	- Conduct ultrasonic gauging on bottom and side shell plates.				
	- Based on : 4 spots per plate.	800			
	- Hammer test, inspect hull & marked suspected areas before dock	1			
	- Hull survey/inspection prior undocking	1			
2	Shell Expansion Plan	1			
	- Trace and provide four (4) copies of Shell Expansion Plan indicating				
	latest UTG results and renewed shell plates if any,				
	signed and sealed by a licensed Naval Architect'				
3	Provide four (4) copies ship repair booklet.	1			

[Signature of the Authorized Rep.]	[in the capacity of] (Please indicate position	of Authorized Rep.)]
Duly authorized to sign Bid for and on behalf of		_
(Please indicate name of company)		_
*BIDDERS SHALL NOT ALTER THIS FOR	<u>RM</u>	

Contract Agreement Form for the Procurement of Goods (Revised)

[Not required to be submitted with the Bid, but it shall be submitted within ten (10) days after receiving the Notice of Award]

CONTRACT AGREEMENT

THIS AGREEMENT made the _____ day of _____ 20___ between [name of PROCURING ENTITY] of the Philippines (hereinafter called "the Entity") of the one part and [name of Supplier] of [city and country of Supplier] (hereinafter called "the Supplier") of the other part;

WHEREAS, the Entity invited Bids for certain goods and ancillary services, particularly [brief description of goods and services] and has accepted a Bid by the Supplier for the supply of those goods and services in the sum of [contract price in words and figures in specified currency] (hereinafter called "the Contract Price").

NOW THIS AGREEMENT WITNESSETH AS FOLLOWS:

- 1. In this Agreement words and expressions shall have the same meanings as are respectively assigned to them in the Conditions of Contract referred to.
- 2. The following documents as required by the 2016 revised Implementing Rules and Regulations of Republic Act No. 9184 shall be deemed to form and be read and construed as integral part of this Agreement, *viz.*:
 - i. Philippine Bidding Documents (PBDs);
 - i. Schedule of Requirements:
 - ii. Technical Specifications;
 - iii. General and Special Conditions of Contract; and
 - iv. Supplemental or Bid Bulletins, if any
 - ii. Winning bidder's bid, including the Eligibility requirements, Technical and Financial Proposals, and all other documents or statements submitted;

Bid form, including all the documents/statements contained in the Bidder's bidding envelopes, as annexes, and all other documents submitted (*e.g.*, Bidder's response to request for clarifications on the bid), including corrections to the bid, if any, resulting from the Procuring Entity's bid evaluation:

- iii. Performance Security;
- iv. Notice of Award of Contract; and the Bidder's conforme thereto; and
- v. Other contract documents that may be required by existing laws and/or the Procuring Entity concerned in the PBDs. Winning bidder agrees that additional contract documents or information prescribed by the GPPB that are subsequently required for submission after the contract execution, such as the Notice to Proceed, Variation Orders, and

Warranty Security, shall likewise form part of the Contract.

- 3. In consideration for the sum of [total contract price in words and figures] or such other sums as may be ascertained, [Named of the bidder] agrees to [state the object of the contract] in accordance with his/her/its Bid.
- 4. The [Name of the procuring entity] agrees to pay the above-mentioned sum in accordance with the terms of the Bidding.

IN WITNESS whereof the parties hereto have caused this Agreement to be executed in accordance with the laws of the Republic of the Philippines on the day and year first above written.

[Insert Name and Signature]	[Insert Name and Signature]
[Insert Signatory's Legal Capacity]	[Insert Signatory's Legal Capacity]
for:	for:
[Insert Procuring Entity]	[Insert Name of Supplier]

ACKNOWLEDGEMENT

REPUBLIC OF THE PHILIPPIN		
BEFORE ME, a Notary Publiday of	ic for and in City of, P, 20, personally appeared:	hilippines, this
NAME	ID ISSUED AT/ON	
of () pages, including acknowledged before me that the the Corporation/Sole Proprietorsh	e same person who execute the foregoing instrung the page whereon the acknowledgments e same is his/her free and voluntary act and chip he/she represents. IOTARIAL SEAL, at the place and on the organization in the contract of the place and the place and the contract of the place and the contract of the place and the place and the contract of the place and the place and the contract of the place and the place and the place and the place and the place and the place are placed.	is written and leed and that of
Doc No; Page No: Book No; Series of 20		

Omnibus Sworn Statement (Revised)

[shall be submitted with the Bid]

REPUBLIC OF THE PHILIPPINES)	
CITY/MUNICIPALITY OF) 5	S.S.

AFFIDAVIT

- I, [Name of Affiant], of legal age, [Civil Status], [Nationality], and residing at [Address of Affiant], after having been duly sworn in accordance with law, do hereby depose and state that:
- 1. [Select one, delete the other:]

[If a sole proprietorship:] I am the sole proprietor or authorized representative of [Name of Bidder] with office address at [address of Bidder];

[If a partnership, corporation, cooperative, or joint venture:] I am the duly authorized and designated representative of [Name of Bidder] with office address at [address of Bidder];

2. [Select one, delete the other:]

[If a sole proprietorship:] As the owner and sole proprietor, or authorized representative of [Name of Bidder], I have full power and authority to do, execute and perform any and all acts necessary to participate, submit the bid, and to sign and execute the ensuing contract for [Name of the Project] of the [Name of the Procuring Entity], as shown in the attached duly notarized Special Power of Attorney;

[If a partnership, corporation, cooperative, or joint venture:] I am granted full power and authority to do, execute and perform any and all acts necessary to participate, submit the bid, and to sign and execute the ensuing contract for [Name of the Project] of the [Name of the Procuring Entity], as shown in the attached [state title of attached document showing proof of authorization (e.g., duly notarized Secretary's Certificate, Board/Partnership Resolution, or Special Power of Attorney, whichever is applicable;)];

- 3. [Name of Bidder] is not "blacklisted" or barred from bidding by the Government of the Philippines or any of its agencies, offices, corporations, or Local Government Units, foreign government/foreign or international financing institution whose blacklisting rules have been recognized by the Government Procurement Policy Board, by itself or by relation, membership, association, affiliation, or controlling interest with another blacklisted person or entity as defined and provided for in the Uniform Guidelines on Blacklisting;
- 4. Each of the documents submitted in satisfaction of the bidding requirements is an authentic copy of the original, complete, and all statements and information provided therein are true and correct;
- 5. [Name of Bidder] is authorizing the Head of the Procuring Entity or its duly authorized representative(s) to verify all the documents submitted;
- 6. [Select one, delete the rest:]

[If a sole proprietorship:] The owner or sole proprietor is not related to the Head of the Procuring Entity, Procurement Agent if engaged, members of the Bids and Awards Committee (BAC), the Technical Working Group, and the BAC Secretariat, the head of the Project Management Office or the end-user unit, and the project consultants by consanguinity or affinity up to the third civil degree;

[If a partnership or cooperative:] None of the officers and members of [Name of Bidder] is related to the Head of the Procuring Entity, Procurement Agent if engaged, members of the Bids and Awards Committee (BAC), the Technical Working Group, and the BAC Secretariat, the head of the Project Management Office or the end-user unit, and the project consultants by consanguinity or affinity up to the third civil degree;

[If a corporation or joint venture:] None of the officers, directors, and controlling stockholders of [Name of Bidder] is related to the Head of the Procuring Entity, Procurement Agent if engaged, members of the Bids and Awards Committee (BAC), the Technical Working Group, and the BAC Secretariat, the head of the Project Management Office or the end-user unit, and the project consultants by consanguinity or affinity up to the third civil degree;

- 7. [Name of Bidder] complies with existing labor laws and standards; and
- 8. [Name of Bidder] is aware of and has undertaken the responsibilities as a Bidder in compliance with the Philippine Bidding Documents, which includes:
 - a. Carefully examining all of the Bidding Documents;
 - b. Acknowledging all conditions, local or otherwise, affecting the implementation of the Contract:
 - c. Making an estimate of the facilities available and needed for the contract to be bid, if any; and
 - d. Inquiring or securing Supplemental/Bid Bulletin(s) issued for the [Name of the Project].
- 9. [Name of Bidder] did not give or pay directly or indirectly, any commission, amount, fee, or any form of consideration, pecuniary or otherwise, to any person or official, personnel or representative of the government in relation to any procurement project or activity.
- 10. In case advance payment was made or given, failure to perform or deliver any of the obligations and undertakings in the contract shall be sufficient grounds to constitute criminal liability for Swindling (Estafa) or the commission of fraud with unfaithfulness or abuse of confidence through misappropriating or converting any payment received by a person or entity under an obligation involving the duty to deliver certain goods or services, to the prejudice of the public and the government of the Philippines pursuant to Article 315 of Act No. 3815 s. 1930, as amended, or the Revised Penal Code.

IN	WITNESS	WHEREOF,	I have	hereunto	set	my	hand	this	 day	of	,	20	at
	,	Philippines.											

[Insert NAME OF BIDDER OR ITS AUTHORIZED REPRESENTATIVE]
[Insert signatory's legal capacity]

Affiant

SUBSCRIBED AND SWORN to before me this day of [month] [year] at [place of execution], Philippines. Affiant/s is/are personally known to me and was/were identified by me through competent evidence of identity as defined in the 2004 Rules on Notarial Practice (A.M. No. 02-8-13-SC). Affiant/s exhibited to me his/her [insert type of government identification card used], with his/her photograph and signature appearing thereon with noissued on at
Witness my hand and seal this day of [month] [year].
NAME OF NOTARY PUBLIC Serial No. of Commission Notary Public for until Roll of Attorneys No PTR No[date issued], [place issued] IBP No[date issued], [place issued]
Doc. No Page No Book No Series of

BID SECURING DECLARATION FORM

REPUBLIC OF THE PHILIPPINES)	
CITY OF	_) S.S

BID SECURING DECLARATION Project Identification No.: [Insert number]

To: [Insert name and address of the Procuring Entity]

I/We, the undersigned, declare that:

- 1. I/We understand that, according to your conditions, bids must be supported by a Bid Security, which may be in the form of a Bid Securing Declaration.
- 2. I/We accept that: (a) I/we will be automatically disqualified from bidding for any procurement contract with any procuring entity for a period of two (2) years upon receipt of your Blacklisting Order; and, (b) I/we will pay the applicable fine provided under Section 6 of the Guidelines on the Use of Bid Securing Declaration, within fifteen (15) days from receipt of the written demand by the procuring entity for the commission of acts resulting to the enforcement of the bid securing declaration under Sections 23.1(b), 34.2, 40.1 and 69.1, except 69.1(f),of the IRR of RA No. 9184; without prejudice to other legal action the government may undertake.
- 3. I/We understand that this Bid Securing Declaration shall cease to be valid on the following circumstances:
 - a. Upon expiration of the bid validity period, or any extension thereof pursuant to your request;
 - b. I am/we are declared ineligible or post-disqualified upon receipt of your notice to such effect, and (i) I/we failed to timely file a request for reconsideration or (ii) I/we filed a waiver to avail of said right; and
 - c. I am/we are declared the bidder with the Lowest Calculated Responsive Bid, and I/we have furnished the performance security and signed the Contract.

IN WITNESS WHEREOF, I/We have hereunto set my/our hand/s this _____ day of [month] [year] at [place of execution].

[Insert NAME OF BIDDER OR ITS AUTHORIZED REPRESENTATIVE]
[Insert signatory's legal capacity]
Affiant

of execution], Philippines. Affiant/s is/ar me through competent evidence of ident (A.M. No. 02-8-13-SC). Affiant/s extra extr	to before me this day of [month] [year] at [place e personally known to me and was/were identified by ity as defined in the 2004 Rules on Notarial Practice hibited to me his/her [insert type of government notograph and signature appearing thereon, with no.
Witness my hand and seal this	_ day of [month] [year].
Ser No Ro PT	ial No. of Commission tary Public for until ll of Attorneys No R No [date issued], [place issued] P No [date issued], [place issued]
Doc. No Page No Book No Series of	

STATEMENT OF ALL ON-GOING GOVERNMENT AND PRIVATE CONTRACTS

Kindly supply the required information in the spaces provided.

Name o	f Bidder _			Invita	ation to E	Bid Number _	. Page of	•
Name of the Contract	Date of the Contract	Contract Duration	Owner's Name and Address	Contact Person and Contact Details (Tel./Cel 1 No. and/or Email Address)	Kinds of Goods	Date of Delivery (Please indicate estimated date of delivery)	Amount of Contract	Value of Outstanding Contracts
Government (Contracts:							
Private Contra	acts:			•				
						Total		
[Signati	ure of the A	Authorized I		[in the co	apacity o	f] (Please ind		
						of Auth	orized Rep	.)]
		sign Bid fo ame of com	or and on be pany)	ehalf of				

NOTE:

The aforesaid statement should include those contracts awarded but not yet started.

Further, bidders should indicate "None" or "No On-going Government and/or Private Contracts" if they do not have any on-ongoing government and/or private contracts in the corresponding rows and/or column, including contracts awarded but not yet started, whether similar or not similar in nature and complexity to the contract to be bid.

STATEMENT OF THE SINGLE LARGEST COMPLETED CONTRACT

Kindly supply the required information in the spaces provided.

Name of	Bidder			Invitation to	o Bid Nu	mber Page	of
Name of the Contract	Date of the Contract	Contract Duration	Owner's Name and Address	Contact Person and Contact Details (Tel./Cell No. and/or Email Address)	Kinds of Goods	Amount of Contract adjusted by the bidder to current prices using PSA's consumer price index, if necessary for purposes of meeting the SLCC requirement;	Date of Delivery (Please indicate actual date of delivery)
of Auth Duly auth (Please in	orized Rep horized to s ndicate nar	sign Bid for ne of compo	and on beha	lf of		ease indicate po	

sales invoice.

NFCC COMPUTATION

Kindly supply the required information in the spaces provided.

of Bidder	Invitation to Bid Number Page
Project Name:	
Retrofitting of BRP	ABC: PhP45,125,122.60
CORREGIDOR (AE-891)	
CORRESPOR (FE 071)	
DETAILS	AMOUNT
Current Assets	
	Minus
Current Liabilities	
Difference of Current Assets	
and Current Liabilities	
	Multiplied by
K	
Total (Product)	
	Minus
Total value of all outstanding	
contracts, including those	
awarded but not yet started	
Total NFCC Computation	
	in the annual of the first of the second of
iture of the Authorized Rep.] [1 of Authorized Rep.)]	in the capacity of] (Please indicate position

DIAGRAM FOR THE SEALING AND MARKING OF THE BID ENVELOPES





