



# **KHULNA SHIPYARD LIMITED**

## **BANGLADESH NAVY, KHULNA**

**PHONE NO: PABX 02-47772003**

**E-mail: oiccomf.ksy@gmail.com, Web: www.khulnashipyard.gov.bd**

### **IMPORTANT POINT**

1. **TENDER NO: BABE(F)–632/Pump, Pipe, Valve, Flange etc./25-26 Date: 17/03/2026**
2. **DUE FOR OPENING ON: 13 April 2026.**
3. **PRICE OF TENDER DOCUMENT: 2,000.00 (Tk. Two Thousand) Non-refundable.**
4. **NAME OF THE COMMODITY:** Fire Pump, Hand Pump, Bilge Eductor & Fire Fighting Items as per Annex- B, Pressure Indicator, Gauge, Pipe, Valve, Gauge, Adapter & Connector, Mud Box, Reducer, Gasket, Strainer, Pipe, Flange, Elbow, Valve And Exhaust Materials as per Annex- C.
5. **SOURCE OF FINANCE:** Khulna Shipyard Limited
6. **TERMS OF SUPPLY:** CFR Chattogram Sea Port.
7. **PRICE:**
  - i) FOB and Ocean freight should be shown separately.
  - ii) Freight should be shown/endorsed on Bill of Lading.
  - iii) Freight will be paid at actual against Bill of Lading but not exceeding the amount shown in quotation/offer.
  - iv) Khulna Shipyard will process all customs formalities with related duties and taxes.
8. **SHIPMENT:** 45 Days from the date of letter of credit (LC).
9. **TENDER SHOULD REMAIN VALID:** 60 Days from the opening date of Tender.

### **10. THE TENDER DOCUMENTS MUST BE REQUIRED WITH SEAL AND SIGN THEREOF ON EACH PAGE:**

The Khulna Shipyard Ltd., Khulna invites quotation by **Single envelop** from Manufacturers / Principal Suppliers for supply of the item(s) described in the attached sheet schedule (Annex-B & C) on firm CFR Chattogram. Quotations will be received by this office up to **11-15 A.M.** and will be opened **11-30 A.M.** in public on the date specified above.

### **11. AMENDMENTS TO TENDER DOCUMENTS:**

- a. At any time prior to deadline for submission of bids the purchaser may, for any reason, whether of its own initiative or in response to a clarification requested by a prospective bidder, modify the Tender documents by the amendment(s).
- b. The amendment(s) will be notified in writing by letter / email / **KSY website** or by cable to all prospective bidders who have received Tender documents and the same will be binding on them (**For updated information suppliers should follow the KSY Website**).
- c. In order to allow the prospective bidders reasonable time to take the amendment into account in preparing their bids, the purchaser may at its sole discretion extend the deadline for submission of bids.

### **PREPARATION AND SUBMISSION OF TENDER**

#### **12. GENERAL:**

- a. Tenders are to be dropped in the tender box provided for the purpose at the office of Khulna Shipyard Ltd., Khulna.
- b. Tender number and opening date as above should be written on the envelope. The envelope containing quotation should be sealed and addressed as follows:-
  - i. CONSIGNEE : **THE MANAGING DIRECTOR**

**KHULNA SHIPYARD LIMITED  
BANGLADESH NAVY  
KHULNA – 9201, BANGLADESH  
BIN: 000400834-0801**

ii. NOTIFYING PARTY : **COMMANDING OFFICER  
NAVAL STORES DEPOT,  
NEW MOORING, CHATTOGRAM, BANGLADESH.  
BIN: 002349278-0503**

Tender number and opening date as above should be written on the envelope.

c. Tender may be put into the Tender Box kept for this purpose at the above address, but care must be taken to ensure that it reaches this office on the date and time fixed. Late Tenders will not be considered. Suppliers may also post the tenders to the **MANAGING DIRECTOR, KHULNA SHIPYARD LIMITED, BANGLADESH NAVY, KHULNA-9201, BANGLADESH**, so, as to reach him on due date and time. No responsibility will be accepted by buyer for late receipt.

d. The Manufacturers / Principal Suppliers may quote in their own letter head, but it is essential that the tender schedule is also completed and returned, along with original money receipt to the buyer. If the schedule is not accordingly returned the quotation may not be considered

e. Tenderers may quote price Bangladesh Taka/ US Dollar / in any International trading currency.

**f. Tenderers should be confirmed their credit report issued from Tenderers banks and this credit report should be enclosed in the original Tender / quotation otherwise LC opening bank should be arranged to collect this credit report and necessary cost in this respect will be realized from the supplier during LC opening.**

g. Tenders should enclose with the quotation the Original Proforma Invoice of their Principal and the Proforma should be based on CFR.

h. Quotation should be strictly in accordance with the following:

(1) Accounting unit prescribed in the Tender enquiry.

(2) Terms of delivery and place of delivery as specified in the Tender enquiry.

i. The name of the manufacturers, principal suppliers and country/countries of origin with port of shipment proposed should invariably be indicated.

j. Tenderers must submit with the quotation the Original Proforma Invoice of their Principals and the Proforma Invoice shall clearly indicate detail technical specification, the percentage of commission, if any, included in Material Price for the local agent. Commission payable to the local agent by the foreign supplier will be deducted and paid to local agent in equivalent Local currency at the exchange rate on the purchase order date (bank BC selling rate).

k. No claims on the ground of typographical errors in calculating prices would be entertained later and the Tendering firms would be asked under points of penalty and disciplinary action to supply at price they have originally quoted.

**l. Supplier must quote the offer as per schedule given in Annex A's list/ table as package wise to this document and incomplete or partial offer of any package may be treated as non-complied/ non-responsive.**

**m. KSY reserve the right to purchase partially or full quantity of the quoted goods.**

n. Local Agent/ supplier should also submit along with the tender valid Indenting agent registration certificate issued by the Bangladesh Indenting Agent Association (BIAA), Trade license, and TIN certificate. In absence of original certificate attested Photostat copy by first class officer may serve.

13. **CONTRACT.** The terms and conditions of the Tender document shall form an integral part of the contract/purchase order document. The Tenderer is requested to check this set of Tender documents in order to ensure proper compliance and the "Form of Acknowledgement" along with

the "Certificate as to **Corporate Principal**", where applicable,' duly filled in be returned along with the **Tender**.

14. **BID LANGUAGE**. The bid's, all correspondences and documents relating thereto exchanged between the bidders and the purchaser shall be written in English Language.

15. **TERMS OF PAYMENT:**

i. LC for full purchase amount will be opened by Khulna Shipyard Limited in favour of the principal supplier under the following payment terms where the **LC commission charge 0.30% (per quarter) of the total LC Value equivalent of BDT taka** including related VAT & others will be borne by foreign principal/ local agent (supplier) at LC opening that will be included of quotation.

a. **80%** of total CFR value will be paid on delivery of the items described under the scope of supply and on production of following shipping documents :

- (1) Complete set of original 'Clean on Board' Bill of Lading (Master Bill)/ mentioning the amount of freight on Bill of Lading,
- (2) Supplier's invoice signed in ink,
- (3) Certificate of standard test,
- (4) Fax/E-mail/Swift advice for insurance cover,
- (5) Certificate of origin,
- (6) Authorization certificate,
- (7) Certificate showing that the material has been shipped in a non-Israel vessel,
- (8) Undertaking regarding supply/ re-placement of short supplied and defective materials on free of cost demanded by the buyer.

b. Remaining **20%** of LC amount will be paid after receiving the material at KSY site with satisfactory acceptance that will be generated by user end & supplier representative or satisfactory Material Quality Inspection note that will be generated by KSY.

ii. Bank charges in Bangladesh for opening of LC shall be borne by the supplier. Any Bank charges for revalidation or amendment of the LC on the request of the supplier shall be exclusively borne by the beneficiaries and not by the Khulna Shipyard Ltd. Confirmation of letter of credit by foreign bank will not be entertained or if applicable that will be borne by the supplier.

iii. Bank charges for withdrawal against LC established by buyer will be borne by the beneficiary/ Supplier.

iv. The beneficiary/ Supplier will have to bear the following foreign bank charges: -

- (1) Negotiation commission.
- (2) Payment & Discrepancy commission.
- (3) Postage & Cable charges.
- (4) LC confirmation charges / additional (ADD) confirmation charges.
- (5) LC amendment commission/ LC extension commission.
- (6) LC cancellation charges.
- (7) LC confirmation charges (if any).

16. **PACKING AND MARKING:**

a. The seller shall be responsible for proper sea worthy packing and marking the goods for shipment by rail, road and sea. Goods shall be assembled to the maximum extent practical prior to shipment. Goods shall be packed so as to withstand usually rough handling and ensure delivery without loss or damage.

b. Each packet/ Bundle must have the following information printed in BOLD LETTERS on the outside

- (1) Name of the consignee and Destination,
- (2) Letter of credit number,
- (3) Gross and net weight,
- (4) Serial number of Bundle and,
- (5) Name and address of the seller,

N.B:- Non-negotiable copies of shipping documents will be sent in advance by email ([oiiccomf.ksy@gmail.com](mailto:oiiccomf.ksy@gmail.com)) before getting original and original shipping documents will be delivered in the LC opening Bank before 10 days arrival of ship at port. In the event of any delay in dispatch of the shipping documents or above state or their incorrect preparation or submission of wrong IGM, the supplier shall be responsible for any demurrage, extra handling charges or any other expense arising there from.

17. **QUANTITY:**

- a. Check of quality, quantity and condition of goods at the discharging port/ place i.e. chattogram will be carried out by the buyer if required, it will be at their cost.
- b. The quotation must be based on firm prices for individual items as per Annex-A. Average prices should not be quoted.
- c. The approximate weight of each Packet/ Bundle should be shown separately on quotation.
- d. The Khulna Shipyard Ltd., reserves the right of awarding contracts for individual technically acceptable items on the lowest acceptable prices. Firms quoting on an average basis for joint items do so at their own risk. The Khulna Shipyard Ltd., will not make any allowances for this action of the Tendering firms when awarding contracts for individual items which if and when refused by Tendering firms any lead to disciplinary action.

**SPECIAL CLAUSES**

18. **JOINT INSPECTION:** The Materials/items will be checked (quality, quantity, condition of goods) and mustered by supplier representative and KSY representative after arrival the items at KSY.

If any defective or 2nd hand item is found during the joint mustering at KSY, the defective or 2nd hand item will not be acceptable. Supplier shall undertake the full responsibility to supply and replace the defective or 2nd hand item by new one.

19. **LATE SHIPMENT/DELIVERY AND LIQUIDATED DAMAGES:** Late shipment/ delivery will not be accepted. However with reasonable cause, if KSY agrees for late Shipment/ Delivery, in that case followings will be imposed:

- a. On genuine reasons / grounds beyond the control of the suppliers / contractor, extension of delivery period may, however, be granted by the Purchase Approving Authority (KSY) without realization of any liquidated damage provided validity of their performance guarantee covers such extension.
- b. Liquidity damage equivalent to half percent per week or part thereof on the value of the undelivered goods will be realized from the supplier/contractor.
- c. In specific cases, where delay in shipment is likely to cause dislocation of work or financial loss, or related to the delivery of ships/ handed over of construction work, a higher rate of liquidity damage from 05% to 10% (as decided by KSY) per week or part thereof on the value of the undelivered goods will be charged.
- d. In case of delay in shipment beyond approved timeframe as stated in Clause no. 8, this schedule will be treated as cancelled and the full Performance Guarantee shall also be forfeited as a consequential effect.
- e. Minimum 14 days free time for container shipment at destination port must allow for each shipment.

20. **TERMINATION OF CONTRACT:**

- a. At any time during the period of this contract, the Purchaser shall have the right to cancel contract under following reasons:

- (1) If the supplier fails to supply the contracted item as per specification given in the purchase order/contract of the contracted item being rejected by the competent technical authority.
- (2) If the supplier fails to deliver the contracted item within the date specified in the purchase order/contract or any extensions thereof.
- (3) In the event of breach of any contractual obligations given in the terms and conditions of the purchase order/contract.

b. Moreover, in case of termination of contract as under this clause the Purchaser shall have the right to decide taking appropriate punitive action against the supplier as deemed suitable by the KSY authority.

c. Should the suppliers be adjudged insolvent, the buyer shall have the power to terminate the contract.

d. Decisions under this clause SHALL not be subject to arbitration.

21. **INSURANCE.** After shipment to the destination upto buyers premises (Khulna Shipyard Ltd.), marine insurance of the consignment will be arranged by buyer but considering **insurance charge 0.30% of the total LC Value equivalent of BDT** including VAT, Stamp & all related charge will be paid by foreign principal/ local agent (supplier) at LC opening. Quotation should, therefore, be included with the insurance charges.

22. **EARNEST MONEY.** All bidders must submit earnest money BDT 2,00,000.00 (Two Lac) or equivalent US Dollar / in any International trading currency favoring Khulna Shipyard Ltd.(KSY). Khulna, in the form of Bank Draft / Pay Order / Bank Guarantee which will be issued by any scheduled bank of Bangladesh. In case bank guarantee is submitted, the same should remain valid for 180 days from the date of opening of the Tender. Neither any inland cheque for a cheque /guarantee issue by Bank of foreign countries will be entertained. Earnest money is liable to forfeiture if the bidder for any reason whatsoever withdraws or modifies its Tender; or violates the terms after opening of the Tender and before expiry of the validity of the Tender; or fails to furnish the required performance bond within the stipulated time after issuance of letter of intent. Bid bond/earnest money of unsuccessful Tenderer would be returned once a decision of the Tender is made. A Tender not accompanied by earnest money/bid bond would be rejected as non-responsive. Bid bond of the successful bidder shall be returned after furnishing performance bond. A specimen copy of bid bond is enclosed herewith as Annex-D.

23. **PERFORMANCE BOND.** The successful Tenderer will be required to furnish performance bond to the extent 10% of the total CFR value either in the form of pay order or bank guarantee from any scheduled bank of Bangladesh for the satisfactory execution of the order. The submitted bank guarantee must remain valid 06 (Six) months beyond the day of shipment. Performance bond must be furnished within 10 (Ten) day's from the date of letter of intent. It will be liable for forfeiture if the supplier fails to supply the goods within the specified time or commits any breach of contract. The Performance Guarantee will be released after satisfactory inspection (quantity, quality and weight), test-trial and acceptance by Khulna Shipyard Limited Quality Control committee and in presence of supplier's representative at Khulna Shipyard Premises. The buyer shall have the right to forfeit the performance guarantee for failure of the supplier in fulfilling the terms and conditions of this contract partially or wholly, besides taking any other action against the supplier that may be warranted. A specimen copy of performance bond is enclosed herewith as Annex-E.

24. **WARRANTY.** Supplier shall undertake the full responsibility to rectify any defect of supplied items free of charges under warranty period. To rectify/ replace any such defective item, provided that the defects are appeared / discovered during the period of 12 months after acceptance. Warranty repair/ replacement shall be accomplished within 03 months of notification of the relevant defect. Otherwise warranty will be extended by non-operational period of the item.

25. **GUARANTEE FOR WARRANTY.** Supplier shall furnish to KSY a guarantee for warranty for an amount equivalent to 05% (five percent) of the total contract price from any scheduled bank situated in Bangladesh. The buyer shall have the right to forfeit the performance guarantee for failure of the supplier in fulfilling the terms and conditions of this contract partially or wholly, besides taking any other action against the supplier that may be warranted. It will be released after completion of warranty period

26. **INDEMNITY.** The supplier has to indemnify the buyer against all claims which may be made in respect of the stores for infringement of any right protected by patent, registration of

design etc and shall take all risk of accidents or damage which may cause or failure of the supply from whatever cause arising and take entire responsibility for the sufficiency of the means used by the supplier for the fulfillment of the contract.

27. **INCREASE OR DECREASE IN QUANTITY OF CONTRACT:** The buyer reserves the right at the time of award of contract, with no adjustment in unit price (bid), to increase or decrease the quantity Tendered. The buyer also reserves the right to accept or reject any or all the Tenders or to waive any informality, minor deviation or omission.

Award would be made to the bidder whose responsive bid determined to be the lowest evaluated bid and who meets the specification and other terms and conditions of the Tender document.

28. **COMPLIANCE STATEMENT.** A compliance statement considering all clauses of Technical and Financial (as per ANNEX-A including relevant information a tabular format) fulfilling all the given requirement of the specifications is to be submitted for evaluation of the Tenders. Stating mere 'Yes', 'No' "Complied" will not suffice and detailed description/ information as required is to be given. An incomplete compliance statement may attribute to cancellation of the Tender. If any clause of this specification does not commensurate with tender, the deviation has to be spelt out clearly and reasonably. **Information/ document/ certificate/ data shared by the bidder must be genuine which can be cross-checked through authentic website information.** Before giving purchase order, KSY may ask any type of technical, financial, administrative queries to the tender. Tender will provide all information/ document/ data to comply KSY's requirement immediately.

29. **DISQUALIFICATION OF TENDER:**

a. Any addition or alteration to the specification or rate quoted by a firm in the Tender after not only be ignored but should also render the firms liable to disqualification.

b. Any Tender received late and not strictly confirming to the terms and conditions prescribed in this Tender documents not accompanied with the requisite earnest money and the money receipt of Tender price and registration certificate may be liable for rejection.

30. **TAXES, DUTIES AND DELAY DOCUMENTS:**

a) All Customs duties, taxes and other charges (C&F charge, port charge etc. except dumping charge (Cargo/ Barge/ Truck/ Trailer loaded from mother vessel)) levied on the goods by authorities in buyer's country shall be borne by the buyer and shall not be included in the bid price.

b) Charges of such nature in seller's country or in any country other than the buyer's country shall be borne by the sellers.

c) In the event of any delay in dispatch of the shipping documents or their incorrect preparation, the supplier shall be responsible for any demurrage, extra handling charges or any other expense arising there from.

31. **BREACH OF CONTRACT.** On any breach of contract by the seller, the buyer may recover the actual loss suffered and the amount may be realized by encashing the performance guarantee.

32. **APPLICABLE LAW.** The purchase order shall be interpreted in accordance with the law of the buyer's country.

33. **FORCE MAJEURE.** Should any circumstance arise preventing either contracting party from wholly or partly carrying its obligations under the present contract, namely Natural Calamity, Strike, Riots, firm acts and elements of War, Military Operation of any, Nature, Block ads and any unforeseen event which is beyond human control the period stipulated for the performance of this contract shall be extended or as long as the circumstances prevail. Provided that in the event of these circumstances continuing for more than thirty days, either party shall

have to refuse to fulfill its obligations under this contract and in such case neither party shall be entitled to indemnification of any losses it may sustain.

The party unable to carry out its obligation under this contract shall immediately advise the other party of the commencement and the termination of circumstances preventing the performance of the contract. A certificate issued by the Chamber of Commerce of the sellers of the buyers' country shall be sufficient proof of the existence and duration of such circumstances.

34. **ARBITRATION.** In the event of any dispute or difference arising out of the terms and conditions as specified above, the same shall be referred to the award of a sole Arbitrator appointed by the parties on mutual agreement, failing which it shall be referred to the award of the two Arbitrators, from each side (buyer and seller), or in the case of disagreement between the two arbitrators to the award of an umpire to be appointed by the two arbitrator in writing before proceeded on the reference of the decision of the sole arbitrator or of the two arbitrator in the writing before proceeded on the reference of the decision of the sole arbitrator or of the two Arbitrators or the umpire as the case may be shall be final, conclusive and binding upon the parties. The provisions of the arbitration Act 2001 and rules there under and any statutory modification there of shall deem to apply to the said arbitration. The place of arbitration shall be Dhaka, Bangladesh any statutory modification enactment thereof for the time being in force in Bangladesh shall apply to the arbitration proceeding.

The above terms and conditions are not absolute, the Khulna Shipyard Ltd., Bangladesh Navy, reserves the right to incorporate additional terms and conditions, if necessary. The Khulna Shipyard Ltd., BN also is not bound to accept the lowest Tender and reserves the right to cancel the tender, reject any or all Tenders without assigning any reason whatsoever.

Yours faithfully



SK. SHAH MOSIUR RAHOMAN  
Manager Purchase  
For Managing Director

Enclosure:

- |    |   |            |
|----|---|------------|
| A. | Format of Price Schedule (Annex - A)                        | - 01 Page  |
| B. | Technical Specification (Annex – B & C)                     | - 14 Pages |
| C. | Format of Bank Guarantee in Lieu of Earnest Money (Annex-D) | - 01 Page  |
| D. | Format of Performance Bank Guarantee (Annex-E)              | - 01 Page  |



# **KHULNA SHIPYARD LTD**

## **BANGLADESH NAVY, KHULNA**

PHONE NO: PABX 02-477720003

E-mail: [oiocomf.ksy@gmail.com](mailto:oiocomf.ksy@gmail.com), Web: [www.khulnashipyard.com](http://www.khulnashipyard.com)

ANNEX-A

**TENDER NO: BABE(F)-632/ Pump, Pipe, Valve, Flange etc./2025-2026 Date: 17 March 2026**

**TENDER OPENING DATE: 13 April 2026 AT 1130 AM HOURS**

### **The Complete Item:**

<b>Sr No</b>	<b>DESCRIPTION OF ITEM (As per Annex)</b>	<b>Quantity</b>	<b>Price Per Itemize</b>	<b>Freight Per Itemize</b>	<b>Total CFR Price</b>
1	Fire Pump, Hand Pump, Bilge Eductor & Fire Fighting Items as per Annex- B,	Itemize			
2.	Pressure Indicator, Gauge, Pipe, Valve, Gauge, Adapter & Connector, Mud Box, Reducer, Gasket, Strainer, Pipe, Flange, Elbow, Valve And Exhaust Materials as per Annex- C.	Itemize			

### **N.B:**

- i. Supplier must quote the offer according to the above list/ table as package wise and incomplete or partial offer of any package may be treated as non-complied/ non-responsive.**
- ii. Supplier must follow commercial & Financial Terms that are integrated at schedule.**
- iii. As per schedule given in Annex A's list/ table as package wise, the financial offer must be quoted identically.**

Yours quotation No.

Signature, Name and address of the tenderer:

Date:

Terms of delivery:

Telephone No:

**TECHNICAL SPECIFICATION OF FIRE PUMP, HAND PUMP, BILGE EDUCTOR & FIRE-FIGHTING ITEMS**

Sr.	Description	Quantity (Pcs/Set)
<b>a. Bilge Eductor</b>		
1	BILGE EDUCTOR (Fire Pump driven) -Fwd & Aft Engine room DN : 100×80×100 (Inlet x Suction x Discharge) Motive Flow: 45 m <sup>3</sup> /hr at 4 bar Suction Flow: 38 m <sup>3</sup> /hr at -0.6 bar Fire pump capacity: 90 m <sup>3</sup> /hr at 9 bar Material: Bronze or equivalent. System: Bilge Certificate: Factory test certificate or to be mentioned.	<b>6</b>
2	BILGE EDUCTOR (Fire Pump driven) -Chain locker room DN: 80×50×80 (Inlet x Suction x Discharge) Motive Flow: 45 m <sup>3</sup> /hr at 4 bar Suction Flow: 38 m <sup>3</sup> /hr at -0.6 bar Fire pump capacity: 90 m <sup>3</sup> /hr at 9 bar Material: Bronze or equivalent. System: Bilge Certificate: Factory test certificate or to be mentioned.	<b>9</b>
<b>b. Hand Pump, Fire Hydrant Valve &amp; Fire hose</b>		
1.	Name: Fire Hydrant Valve Size: DN 65 Type: One end (ISO 7005 PN10) flanged and other end storz coupling. Coupling Type: STORZ. (a robust, quick-connect fitting for hoses, leak-free connection) Body Material: Brass Working pressure: Minimum 6 bar. Certificate: Mill test certificate by maker. System: Fire main and wash down.	<b>69</b>
2.	Name: Fire hose with both end coupling and Spray-jet nozzle. Size: DN 65 Hose Color: White Coupling type: STORZ (Must be matched with above fire hydrant valve mentioned in serial 1.21 (DN65 fire hydrant valve)). Nozzle: Spray-jet. Working pressure: Minimum 10 bar. Nozzle & Coupling material: Brass Hose length: 20 meter with proper coupling. Certificate: SOLAS or equivalent international class certificate to be provided. System: Fire main and wash down.	<b>51</b>
3.	Name: Fire hose with both end coupling and Spray-jet nozzle. Size: DN 65 Hose Color: White Coupling type: STORZ (Must be matched with above fire hydrant valve mentioned in serial 1.21 (DN65 fire hydrant valve)). Nozzle: Spray-jet Working pressure: Minimum 10 bar. Nozzle & Coupling material: Brass Hose length: 15 meter with proper coupling. Certificate: SOLAS or equivalent international class certificate to be provided. System: Fire main and wash down.	<b>18</b>

Sr.	Description	Quantity (Pcs/Set)
<b>c. Portable Diesel Engine driven Fire pump (Emergency fire pump)</b>		
1	<p>Name: Portable Diesel Engine driven Fire pump with complete set, suction hose, check valve and all accessories.  Capacity: 33 m3/ hr @ 2.75 bar (g).  Type: To be mentioned.  Country of Origin: To be mentioned.  Country of Manufacturer: To be mentioned.  Manufacturer Name: To be mentioned.  Engine power: To be mentioned.  Engine RPM: To be mentioned.  Suction dia &amp; Discharge dia: DN 65  Fire hose (20 m length brass) with brass coupling and brass spray –jet nozzle : To be supplied with each set.  Suction lift: Minimum 4m static suction lift.  Starting system: Both mechanical &amp; electric.  Required battery: To be supplied by supplier.  Accessories: 01 in no. suction hose of 6m length with strainer, 1 in no. coupling hose joint with sleeve (male &amp; female coupling), 06 pcs hose clamp, 01 suction blanking cap.  Document: Maintenance &amp; Operation manual, Parts catalogue in English to be provided.  Fire hose (20m length) brass st coupling brass spray jet nozzle: To be supplied with each set.  System: Fire main and wash down.  Certificate: Factory acceptance test by their internal QC department is to be submitted with the products.  Test: Trial and commissioning is to be done by supplier representative.</p>	<b>3 Sets</b>
<b>d. Fire-Fighting item</b>		
1	<p>Name: Foam Making Branch Pipe and Foam Gun  Brand: To be mentioned  Country of origin: To be mentioned  Country of Manufacture: To be mentioned  Flow rate: 230 l/min at 5.5 bar  Operating pressure range: 3 to 10.5 bar  Foam liquid: AFFF/ FFFP (To be supplied 50 liter.)  Foam liquid consumption:  a) With 3% liquid – 7 lit./min  b) With 6% liquid – 14 lit./min  Spray Distance: ≥ 20 meter  Coupling: 2.5 Inch (Inlet), storz type  Pick Up tube with both end coupling: L-3 meter, Dia- ¾ inch  Foam tank Capacity: 20 liter with one spare tank 20L  Foam tank Material: SS  Foam gun material: SS  Coupling material: Brass  The proportion of water and foam mixture: 3% to 3.90%  Mixed liquid flow: 80% l/sec, test-trial and commissioning is to be accomplished by supplier.  Certificate: SOLAS or equivalent international class certificate to be provided.</p>	<b>3 Sets</b>

Sr.	Description	Quantity (Pcs/Set)
<b>e. Sprinkler for Vehicle deck.</b>		
1	Name: Sprinkler for Vehicle deck. Brand: To be mentioned Country of origin: To be mentioned Country of Manufacture: To be mentioned Capacity: 8.2 m <sup>3</sup> /hr at 3 bar Spray Angle: 180° Material: Brass or equivalent. Bore Dia: 12.2 mm Orifice Connection: ½ inch male NPT Minimum Application rate: 10.1 l/min/m <sup>2</sup> (Floor Area) Sprinkler reaction time: 57.2 Sec is to be mentioned. Vehicle deck Height: 4 m, system pressure: 03 Bar (minimum) Certificate: Manufacturer Test Certificate System: Vehicle sprinkler.	<b>39 pcs</b>
<b>f. Sprinkler for Magazine &amp; Arms locker Room.</b>		
1	Name: Sprinkler for Magazine & Arms locker Room. Brand: To be mentioned Country of origin: To be mentioned Country of Manufacture: To be mentioned Capacity: 5.9 m <sup>3</sup> /hr at 3 bar Spray Angle: 180° Material: Brass or equivalent. Bore Dia: 10.90 mm Orifice Sprinkler discharge rate: 180 l/min Connection: ½ inch male NPT Minimum Application rate: 32.7 l/min/m <sup>2</sup> Magazine room deck Area: 6 m <sup>2</sup> , system design pressure: 10 Bar Certificate: Manufacturer Test Certificate System: Magazine spray.	<b>12 pcs</b>
<b>g. Filter, Waste Disposal System &amp; Fuel Oil purifier</b>		
1.	Name: Fuel Filter Size: DN 80 Type: Flanged Material: Cast Iron Mesh Dia: 1.6mm System: Fuel oil fill & Transfer Certificate: Manufacturer Test Certificate	<b>6 pcs</b>
2.	Name: Fuel Oil purifier Maker: To be mentioned Model: To be mentioned Capacity: 1.75 m <sup>3</sup> /hr (Drawing to be submitted) Power Supply: 220V, AC, 50 Hz, Single phase Type: Centrifugal type, Electric driven, Self-cleaning type. Parameter: C/W rotary gear pump & remote emergency stop. Catalogue/ Manual: To be supplied Certificate: Manufacturer Test Certificate System: FO filling & transfer	<b>6 pcs</b>
3.	Name: Waste Disposal System. Maker: Badger, Insinkerator, Emerson Electric Co. Model: To be mentioned Grind chamber Capacity: 26 oz Origin: USA or equivalent. Operating Voltage: 220 V, Single phase, 50 Hz Motor power: To be mentioned Catalogue/ Manual: To be supplied Certificate: Manufacturer Test Certificate	<b>6 set</b>

**TECHNICAL SPECIFICATION OF PRESSURE INDICATOR, GAUGE, PIPE, VALVE, GAUGE, ADAPTER & CONNECTOR, MUD BOX, REDUCER, GASKET, STRAINER, PIPE, FLANGE, ELBOW, VALVE AND EXHAUST MATERIALS**

Sr.	Description	Quantity (Pcs/ Set)
<b>a. Pressure Indicator</b>		
1.	Name: Complete Pressure Gauge Set Type: Dial Type-Elastic Element Range: 0 to 5 bar Dial Diameter: 100 mm Liquid filled: Required. Certificate: Manufacturer & Product calibration certificate. Accessories: Suitable Valve and it's fittings System: FO transfer, ME cooling, Chilled water	<b>24</b>
2.	Name: Complete Pressure Gauge Set Type: Dial Type-Elastic Element Range: 0 to 15 bar Dial Diameter: 100 mm Liquid filled: Required. Certificate: Manufacturer & Product calibration certificate. Accessories: Suitable Valve and it's fittings System: Vehicle spray, Magazine spray	<b>24</b>
3.	Name: Complete Pressure Gauge Set Type: Dial Type-Elastic Element Range: 0 to 10 bar Dial Diameter: 100 mm Liquid filled: Required. Certificate: Manufacturer & Product calibration certificate. Accessories: Suitable Valve and it's fittings System: FW	<b>12</b>
<b>b. Differential Pressure Indicator</b>		
1	Name: Complete Differential Pressure Gauge Set Type: Dial Type-Elastic Element Range: 0~5 bar Dial Diameter: 100 mm (Minimum) System design pressure: 10 bar Certificate: Manufacturer & Product calibration certificate. Accessories: Suitable Valve and it's fittings System: Fi-Fi, Vehicle spray.	<b>12</b>
2	Name: Complete Differential Pressure Gauge Set Type: To be mentioned. Range: 0~1 bar Dial Diameter: 100 mm (Minimum) System design pressure: 2 bar Certificate: Manufacturer & Product calibration certificate. Accessories: Suitable Valve and it's fittings System: ME & AE cooling.	<b>18</b>
3	Name: Complete Differential Pressure Gauge Set Type: To be mentioned. Range: 0~2 bar Dial Diameter: 100 mm (Minimum) System design pressure: 5 bar. Certificate: Manufacturer & Product calibration certificate.	<b>36</b>

Sr.	Description	Quantity (Pcs/ Set)
	Accessories: Suitable Valve and it's fittings System: FO service.	
4	Name: Complete Differential Pressure Gauge Set Type: To be mentioned. Range: To be confirmed Dial Diameter: 100 mm (Minimum) System design pressure: 3 bar Certificate: Manufacturer & Product calibration certificate. Accessories: Suitable Valve and it's fittings System: Chilled water	6
<b>c. Pressure Gauge</b>		
1	Name: Complete Pressure Gauge Set Type: Dial Type-Elastic Element Range: 0 to 60 bar Dial Diameter: 120 mm (minimum) Liquid filled: Required. Certificate: Manufacturer & Product calibration certificate. Accessories: Suitable Valve and it's fittings System: Compressed & control air.	3
<b>d. Adapter &amp; Connector</b>		
1.	Name: Male reducing adapter (One end Ferrule type and another end BSP threaded type) DN: 3/4 inch , (Pipe out diameter: 27.2 mm) Material: Carbon Steel Certificate: Manufacturer Test Certificate. System: Steering System	48 pcs
2.	Name: Ferrule type connector DN: 15, (Pipe out diameter: 22.2mm) Material: Carbon Steel Certificate: Manufacturer Test Certificate. System: Steering System	75 pcs
<b>e. Mud box</b>		
1.	Name: Bilge Mud box Size: DN: 65 Material: Hot dip galvanized Type: Angle and flanged. Mesh dia: ≤ 5 mm Working pressure: 8 bar Applicable medium: Bilge with water Certificate: Manufacturer Test Certificate. System: Bilge	12 pcs
2.	Name: Bilge Mud box Size: DN: 80 Material: Hot dip galvanized Type: Angle and flanged. Mesh dia: ≤ 5 mm Working pressure: 08 bar Applicable medium: Bilge with water Certificate: Manufacturer Test Certificate. System : Bilge	18 pcs

Sr.	Description	Quantity (Pcs/ Set)
f.	<b>Reducer</b>	
1.	Reducer Size: DN 200 x DN 125 Thickness: 2.6 mm (minimum) Type: Butt Weld Material: Stainless Steel (321) Standard: Seamless Class: III Certificate: Manufacturer Test Certificate. System Name: Exhaust Gas	<b>6 pcs</b>
2.	Reducer Size: DN 125 x DN 80 Thickness: 2.6 mm (minimum) Type: Butt Weld Material: Stainless Steel (321) Standard: Seamless Class: III Certificate: Manufacturer Test Certificate. System Name: Exhaust Gas	<b>6 pcs</b>
3.	Reducer Size: DN 100 x DN 65 Thickness: 3.2 mm (minimum) Type: Socket Weld Material: Carbon Steel , ASTM A234, ASME B16.9 Standard: Seamless Class: III Certificate: Manufacturer Test Certificate. System Name: Black & Grey water	<b>6 pcs</b>
4.	Reducer Size: DN 125 x DN 65 Thickness: 3.2 mm (minimum) Material: Cu-Ni 90-10 Standard: Seamless Class: III Certificate: Manufacturer Test Certificate. System Name: Firemain and Washdown	<b>6 pcs</b>
5.	Reducer Size: DN 125 x DN 100 Thickness: 3.2 mm (minimum) Material: Cu-Ni 90-10 Standard: Seamless Class: III Certificate: Manufacturer Test Certificate. System Name: Firemain and Washdown	<b>12 pcs</b>
6.	Reducer Size: DN 20 x DN 8 Thickness: 1.6 mm (minimum) Material: Cu-Ni 90-10 Standard: Seamless Class: III Certificate: Manufacturer Test Certificate. System Name: FW Generation & Domestic FW	<b>3 pcs</b>
7.	Reducer Size: DN 32 x DN 15 Thickness: 1.8 mm (minimum) Material: Cu-Ni 90-10 Standard: Seamless Class: III	<b>18 pcs</b>

Sr.	Description	Quantity (Pcs/ Set)
	Certificate: Manufacturer Test Certificate. System Name: FW Generation & Domestic FW	
8.	Reducer Size: DN 32 x DN 20 Thickness: 1.8 mm (minimum) Material: Cu-Ni 90-10 Standard: Seamless Class: III System Name: FW Generation & Domestic FW	<b>3 pcs</b>
9.	Reducer Size: DN 25 x DN 20 Thickness: 1.8 mm (minimum) Material: Cu-Ni 90-10 Standard: Seamless Class: III Certificate: Manufacturer Test Certificate. System Name: FW Generation & Domestic FW	<b>12 pcs</b>
10.	Reducer Size: DN 25 x DN 15 Thickness: 1.8 mm (minimum) Material: Cu-Ni 90-10 Standard: Seamless Class: III Certificate: Manufacturer Test Certificate. System Name: FW Generation & Domestic FW	<b>3 pcs</b>
11.	ReducerDN: 40×25 Thickness: 2.1 mm (minimum) Type: BUTTWELD Material: Cu-Ni 90-10 Standard: UNS C70600, , NAVSEA 810-1385880, CLASS 200 Certificate: Manufacturer Test Certificate.	<b>3 pcs</b>
12.	ReducerDN: 40×20 Thickness: 2.1 mm (minimum) Type: BUTTWELD Material: Cu-Ni 90-10 Standard: UNS C70600, , NAVSEA 810-1385880, CLASS 200 Certificate: Manufacturer Test Certificate.	<b>3 pcs</b>
g.	<b>Gasket</b>	
1.	Name: Gasket for chilled water pipe line Size: DN 80 Outer dia of Gasket: The dia of the gasket will be the dia of raised face (RF) of the DN 80, PN-10 flange. Material: NBR Gasket (with Brass Net, Oil Proof Rubber) Standard: Class-III Certificate: Manufacturer Test Certificate. System Name: Chilled Water	<b>50 pcs</b>
2.	Name: Gasket for Fi-Fi line Size: DN 150 Outer dia of Gasket: The dia of the gasket will be the dia of raised face (RF) of the DN 150, PN-10 flange. Material: Teflon Metallic Wound Gasket Standard: Class-III Certificate: Manufacturer Test Certificate. System Name: Firemain And Washdown System	<b>42 pcs</b>

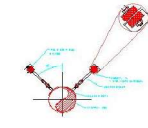


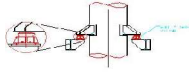
Sr.	Description	Quantity (Pcs/ Set)
<b>h. Strainer</b>		
1.	Simplex strainer with differential pressure gauge. Capacity: 3 m3 /hr. Size: DN 25 Type: Flanged Simplex with differential pressure gauge, (0-10 bar), Mesh dia.: 3 mm Basket Material: S.S Body material: Bronze/ Cast iron. Certificate: Manufacturer Test Certificate.	<b>09 pcs</b>
2.	Name: Simplex Strainer Size: DN 50 Type: Flanged Material: Cast Iron, Strainer filter/ mesh: SS Mesh Dia: 1.5mm Certificate: Manufacturer Test Certificate. System: Lub oil	<b>6 pcs</b>
3.	Simplex strainer with differential pressure gauge. DN 80 Capacity: 36 m3 /hr. Type: Flanged Simplex with differential pressure gauge, (0-10 bar), Mesh dia.: 3 mm Basket Material: S.S Body material: Bronze/ Cast iron. Certificate: Manufacturer Test Certificate.	<b>06 pcs</b>
<b>i. Pipe</b>		
1.	Pipe DN: 20, OD=26.9 mm Thickness: 1.7 mm Class: III Material: Cu-Ni 90-10 Standard: SEAMLESS UNS C70600. Certificate: Manufacturer Test Certificate. Certificate number should be punched on pipe body	<b>36 m</b>
2.	Pipe DN: 65 Thickness: 2.1 mm Class: III Material: Cu-Ni 90-10 Standard: SEAMLESS UNS C70600. Certificate: Manufacturer Test Certificate. Certificate number should be punched on pipe body.	<b>54 m</b>
3.	Pipe DN: 80, OD= 88.9 mm Thickness: 2.4 mm Class: III Material: Cu-Ni 90-10 Standard: SEAMLESS UNS C70600. Certificate: Manufacturer Test Certificate. Certificate number should be punched on pipe body.	<b>36m</b>

Sr.	Description	Quantity (Pcs/ Set)
j.	<b>Flange</b>	
1.	Flange DN: 20 Type: FF SO FLANGE Material: Cu-Ni 90-10 Flange dimension: OD=105 mm, PCD=75 mm, Number of hole:4, Hole dia: 14 mm Standard: CLASS 150, ASME B16.5 Certificate: Manufacturer Test Certificate	<b>36 pcs</b>
2.	Flange DN: 80 Type: FF SO FLANGE Material: Cu-Ni 90-10 Flange dimension: OD=200 mm, PCD=160 mm, Number of hole:8, Hole dia: 18 mm Standard: CLASS 150, ASME B16.5 Certificate: Manufacturer Test Certificate	<b>36 pcs</b>
3.	Flange DN: 150 Type: FF SO FLANGE Material: Cu-Ni 90-10 Flange dimension: OD=285 mm, PCD=240 mm, Number of hole:8, Hole dia: 22 mm Standard: CLASS 150, ASME B16.5 Certificate: Manufacturer Test Certificate	<b>24 pcs</b>
k.	<b>Elbow</b>	
1.	Elbow DN: 20 Thickness: 1.7 mm Type: Short Radius (SR), BUTTWELD Material: Cu-Ni 90-10 Standard: UNS C70600, , NAVSEA 810-1385880, CLASS 200 Certificate: Manufacturer Test Certificate	<b>12 pcs</b>
2.	Elbow DN: 25 Thickness: 1.7 mm Type: Short Radius (SR), BUTTWELD Material: Cu-Ni 90-10 Standard: UNS C70600, , NAVSEA 810-1385880, CLASS 200 Certificate: Manufacturer Test Certificate	<b>12 pcs</b>
3.	Elbow DN: 50 Thickness: 2.1 mm Type: Short Radius (SR), BUTTWELD Material: Cu-Ni 90-10 Standard: UNS C70600, , NAVSEA 810-1385880, CLASS 200 Certificate: Manufacturer Test Certificate	<b>21 pcs</b>
4.	Elbow DN: 65 Thickness: 2.1 mm Type: Short Radius (SR), BUTTWELD Material: Cu-Ni 90-10 Standard: UNS C70600, , NAVSEA 810-1385880, CLASS 200 Certificate: Manufacturer Test Certificate	<b>132 pcs</b>

Sr.	Description	Quantity (Pcs/ Set)
5.	Elbow DN: 80 Thickness: 2.4 mm Type: Short Radius (SR), BUTTWELD Material: Cu-Ni 90-10 Standard: UNS C70600, , NAVSEA 810-1385880, CLASS 200 Certificate: Manufacturer Test Certificate	<b>12 pcs</b>
6.	Elbow DN: 32 Thickness: 2.3 mm Type: Short Radius (SR), BUTTWELD Material: Carbon Steel (CS), Seamless Standard: ASTM A234, Sch.40, ASME B16.9 Certificate: Manufacturer Test Certificate	<b>36 pcs</b>
7.	Elbow DN: 40 Thickness: 3.6 mm Type: Short Radius (SR), BUTTWELD Material: Carbon Steel (CS), Seamless Standard: ASTM A234, Sch.40, ASME B16.9 Certificate: Manufacturer Test Certificate	<b>150 pcs</b>
8.	Elbow DN: 50 Thickness: 3.91 mm Type: Short Radius (SR), BUTTWELD Material: Carbon Steel (CS), Seamless Standard: ASTM A234, Sch.40, ASME B16.9 Certificate: Manufacturer Test Certificate	<b>220 pcs</b>
9.	Elbow DN: 65 Out diameter: 76.1 mm Thickness: 5.5 mm Type: Short Radius (SR), BUTTWELD Material: Carbon Steel (CS), Seamless Standard: ASTM A234, Sch.80, ASME B16.9 Certificate: Manufacturer Test Certificate	<b>30 pcs</b>
10.	Elbow DN: 65 Out diameter: 76.1 mm Thickness: 4 mm Type: Short Radius (SR), BUTTWELD Material: Carbon Steel (CS), Seamless Standard: ASTM A234, Sch.40, ASME B16.9 Certificate: Manufacturer Test Certificate	<b>240 pcs</b>
11.	Elbow DN: 80 Thickness: 6 mm Type: Short Radius (SR), BUTTWELD Material: Carbon Steel (CS), Seamless Standard: ASTM A234, Sch.80, ASME B16.9 Certificate: Manufacturer Test Certificate	<b>45 pcs</b>

Sr.	Description	Quantity (Pcs/ Set)
12.	Elbow DN: 80 Thickness: 4.5 mm Type: Short Radius (SR), BUTTWELD Material: Carbon Steel (CS), Seamless Standard: ASTM A234, Sch.40, ASME B16.9 Certificate: Manufacturer Test Certificate	<b>54 pcs</b>
13.	Elbow DN: 100 Thickness: 4.5 mm Type: Short Radius (SR), BUTTWELD Material: Carbon Steel (CS), Seamless Standard: ASTM A234, Sch.40, ASME B16.9 Certificate: Manufacturer Test Certificate	<b>30 pcs</b>
I.	<b>Valve</b>	
1.	Wafer check valve with flange DN: 65 Type: Flanged, ASTM B62, B505-83600, B150-64200, ASME B16.34, CLASS 150 Trim: Bronze/SS Body Material: Cast Iron ValveFlange dimension: OD: 185 mm, PCD: 145 mm, Number of hole: 04, Hole dia: 18 mm Certificate: Manufacturer Test Certificate	<b>6 pcs</b>
2.	Swing check valve with flange DN: 25 Type: Flanged, ASTM B62, B505-83600, B150-64200, ASME B16.34, CLASS 150 Trim: Bronze/SS Body Material: Bronze ValveFlange dimension: OD: 115 mm, PCD: 85 mm, Number of hole: 04, Hole dia: 14 mm Certificate: Manufacturer Test Certificate	<b>6 pcs</b>
3.	Swing check valve with flange DN: 20 Grade: Flanged, ASTM B62, B505-83600, B150-64200, ASME B16.34, CLASS 150 Trim: Bronze/SS Body Material: Bronze ValveFlange dimension: OD: 105 mm, PCD: 75 mm, Number of hole: 04, Hole dia: 14 mm Certificate: Manufacturer Test Certificate	<b>3 pcs</b>
4.	Ball valve DN: 25 Grade: Threaded, ASTM B62/62, B505-83600, B150-64200, ASME B16.34, CLASS 150 Body Material: Bronze Trim: Bronze Certificate: Manufacturer Test Certificate	<b>27 Pcs</b>
5.	Ball valve DN: 20 Grade: Threaded, ASTM B62/62, B505-83600, B150-64200, ASME B16.34, CLASS 150 Body Material: Bronze	<b>6 Pcs</b>

Sr.	Description	Quantity (Pcs/ Set)
	Trim: Bronze Certificate: Manufacturer Test Certificate	
6.	Lever operated Butterfly valve DN: 80 Body Material: Cast Iron Type: WAFER, ASTM A395, MSS-SP-67, ASME B16.34, CLASS 150, TRIM: BRONZE OR ALUM with NBR seat ValveFlange dimension: OD: 200 mm, PCD: 160 mm, Number of hole: 08, Hole dia: 18 mm Certificate: Manufacturer Test Certificate	<b>12 Pcs</b>
7.	Lever operated Butterfly valve with flange. DN: 65 Body Material: Cast Iron Type: WAFER, ASTM A395, MSS-SP-67, ASME B16.34, CLASS 150, TRIM: BRONZE OR ALUM with NBR seat ValveFlange dimension: OD: 185 mm, PCD: 145 mm, Number of hole: 04, Hole dia: 18 mm Certificate: Manufacturer Test Certificate	<b>18 Pcs</b>
8.	Wheel operated Butterfly valve DN: 65 Body Material: Cast Iron Type: LUG Type, ASTM A395, MSS-SP-67, ASME B16.34, CLASS 150. TRIM: BRONZE OR ALUM with NBR seat Valve Flange dimension: OD: 185 mm, PCD: 145 mm, Number of hole: 04, Hole dia: 18 mm Certificate: LR class approved test certificate is to be supplied with item	<b>3 pcs</b>
9.	Globe Valve Stop Check DN: 40 Body Material: Bronze Type: FLANGED, ASTM B62, B505-83600, B150-64200, ASME B16.34, CLASS 150 Trim: Bronze Valve Flange size: OD: 140 mm, PCD: 105 mm, No. of hole: 04, Hole dia: 18mm Certificate: LR class approved test certificate is to be supplied with item	<b>6 pcs</b>
10.	Globe Valve with flange DN: 25 Type: Flanged, ASTM B61/62, MSS SP-80, ASME B16.34, CLASS 150 TRIM: Bronze Body Material: Bronze Valve Flange dimension: OD: 115 mm, PCD: 85 mm, Number of hole: 04, Hole dia: 14 mm Certificate: Manufacturer Test Certificate	<b>3 pcs</b>
11.	Globe Valve with flange DN: 20 Body Material: Bronze Type: FLANGED, ASTM B61/62, MSS SP-80, ASME B16.34, CLASS 150 TRIM: BRONZE Valve Flange dimension: OD: 105 mm, PCD: 75 mm, Number of hole: 04, Hole dia: 14 mm Certificate: Manufacturer Test Certificate	<b>3 pcs</b>

Sr.	Description	Quantity (Pcs/ Set)
<b>m. Exhaust Materials</b>		
1.	Name: Vibration isolated guide, Drawing: to be submitted with offer DN: 150 System: Exhaust Gas Certificate: Manufacturer Test Certificate 	<b>9 pcs</b>
2.	Name: Vibration isolated guide, Drawing: to be submitted with offer DN: 200 System: Exhaust Gas Certificate: Manufacturer Test Certificate 	<b>51 pcs</b>
3.	Name: Vibration isolated guide, Drawing: to be submitted with offer DN: 500 System: Exhaust Gas Certificate: Manufacturer Test Certificate 	<b>84 pcs</b>
4.	Name: Anti-vibration mount, Drawing: To be submitted with offer Size: To be mentioned System: Exhaust Gas Certificate: Manufacturer Test Certificate 	<b>204 pcs</b>
5.	Name: Nut- Bolt with Spring Washer (Full thread) Size: M28 X 150 mm Material of Bolt: Stainless Steel ( SS) Grade of Bolt: 8.8, 316 SST ASTM F593, ASME18.2.1 Material of Nut : Stainless Steel ( SS) Grade of Nut: 316 SST ASTM F594, ASME18.2.2 Material of Spring Washer: Standard Certificate: Manufacturer Test Certificate System Name : Exhaust gas	<b>975 pcs</b>
6.	Expansion bellows for Main Engine that will be used for Engine model: 3516C, B type, 2240KW @ 1800 rpm (Caterpillar) Size: DN 500, Type: Both end flange type and flange material will be Stainless Steel Flange dimension: OD=698 mm, PCD=635 mm, Number of hole:20, Hole dia: 31 mm Temperature: Above 700° C Material: 2-ply Stainless steel (SS 321) Spare flange having same PCD of bellows flange: 2 nos., Spare flange material: 01 Nos. Carbon Steel & 01 Nos. Stainless Steel (321). Certificate: Manufacturer Test Certificate	<b>12 sets</b>
7.	Expansion bellows for Diesel Generator that will be used for Genset model: 6W126S, 272KW @ 1500 rpm (Baudouin) Size: DN 200, Type: Both end flange type and flange material will be Stainless Steel Flange dimension: OD=345 mm, PCD=300 mm, Number of hole:8, Hole dia: 22 mm Temperature: Above 650° C Material: 2-ply Stainless steel (SS 321) Spare flange having same PCD of bellows flange: 2 nos., Spare flange material: 01 Nos. Carbon Steel & 01 Nos. Stainless Steel (321). Certificate: Manufacturer Test Certificate	<b>12 sets</b>

Sr.	Description	Quantity (Pcs/ Set)
8.	<p>Expansion bellows for Emergency Diesel Generator that will be used for Genset model: 6W105ES, 132KW @ 1500 rpm (Baudouin)</p> <p>Size: DN 150,</p> <p>Type: Both end flange type and flange material will be Stainless Steel</p> <p>Flange dimension: OD=280 mm, PCD=240 mm, Number of hole:8, Hole dia: 22 mm</p> <p>Temperature: Above 650° C</p> <p>Material: 2-ply Stainless steel (SS 321)</p> <p>Spare flange having same PCD of bellows flange: 2 nos., Spare flange material: 01 Nos. Carbon Steel &amp; 01 Nos. Stainless Steel (321).</p> <p>Certificate: Manufacturer Test Certificate</p>	<b>3 Sets</b>

**BANK GUARANTEE IN LIEU OF EARNEST MONEY**

No.....  
.....

Guarantee  
Dated:  
For (mention amount).

Dear Sirs,

Whereas (Name of tender floating organization) under tender No. ....  
..... dated ..... inviting tenders for supplies of (described  
supplies) has agreed to waive the requirement of Cash deposit / Call deposit of  
Tk 2,00,000.00 (Tk. Two Lac) or equivalent US Dollar / in any International trading  
currency as earnest money by the tenderer for making the supplies in accordance with the  
terms and conditions of the tenderer and the tenderer shall provide a bank guarantee for  
payment for the said amount.

And whereas the tenderer M/S. ....of .....has requested us  
(name of bank) of ..... to issue as guarantee for payment of the amount of  
US\$/ Tk ..... when called upon.

In consideration of the aforesaid, we (name of bank) of ..... hereby  
undertake and guarantee due performance of the tender by the tenderer M/S.  
..... of ..... and unconditionally and absolutely  
bind ourselves:

1. To make payment without any question whatsoever of US\$/ Tk  
..... to.....(Name of organization) or as directed by the  
organization immediately on receipt of demand from the said, organization in writing, in  
the event the tenderer fail to perform the tender. It is expressly understood that the  
organization shall be the sole judge for-deciding whether the tenderer has performed the  
tender and fulfilled the terms and conditions of the tender.
2. It is specially stipulated and understood by the bank that any grant of time or  
indulgence to the tenderer without reference to the bank shall not in any manner tent to  
absolve the bank from its liability to make the payment stipulated above under this  
guarantee.
3. The Bank's commitment under this guarantee is limited to an amount of US/  
Taka..... (.....) only.
4. The guarantee will remain valid upto .....

Yours faithfully  
..... Bank

(Seal of the Bank)

**PERFORMANCE BANK GUARANTEE**

Managing Director  
Khulna Shipyard Limited  
Bangladesh Navy  
Khulna, Bangladesh

Bank Guarantee No.....  
Dated: .....  
For (Mention amount)

Dear Sirs,

Whereas Khulna Shipyard Ltd., Bangladesh Navy, Khulna hereinafter referred to as the buyers proposed to enter into a contract through a Letter of Intent hereinafter called the contract with (name of the sellers) of ..... hereinafter referred to as the sellers for the supply of (described supplies) in accordance with the terms and conditions of the contract. And whereas the sellers have requested us (name of bank) to issue a guarantee for an amount of US\$ / £ / EURO / TK..... being 10% of the CFR value of the supplies.

In consideration aforesaid (name of bank) ..... hereby undertake and guarantee due observance and performance of the terms and conditions of the contract by the sellers and us unconditionally and absolutely bind ourselves.

To make payment on demand, without demur and without reference to the sellers, of US\$ / £ / EURO / TK..... to the buyers or as directed by the buyers in writing, if the sellers shall fail to perform the contract or fulfill the terms and conditions thereof.

To keep guarantee valid and in force for 06 (Six) months beyond the day of shipment but extendable if so required by the buyers.

The guarantee is unconditional and it is expressly understood that the buyers shall be sole judge for deciding whether the sellers have performed the contract and fulfilled the terms and conditions thereof.

It is specifically stipulated and understood by us (name of bank) that any grant of time or indulgence to the sellers without reference to us shall not in any manner tend to absolve us from our liability to make payment as stipulated above under this guarantee.

Our commitment under this guarantee is limited to an amount of US\$ / £ / EURO / TK..... only.

Yours faithfully

..... Bank

(Seal of the Bank)