



KHULNA SHIPYARD LIMITED

BANGLADESH NAVY, KHULNA

PHONE NO: PABX 02-477720003

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

BABE (F)-658/PPA-PV/Pumps/2025-2026

Date 23 JUNE 2026.

INVITATION FOR QUOTATION OF BRAND NEW VARIOUS PUMPS

1. **TENDER NO:** Khulna Shipyard Ltd (KSY) will procure "Brand New Various Pumps" as per attached specification (ANNEX-B) with following terms & conditions:
2. **DUE FOR OPENING ON:** 14 JULY 2026
3. **TENDER DOCUMENT PRICE:** The schedule will not be purchased for the offering.
4. **SOURCE OF FINANCE:** Khulna Shipyard Ltd Fund.
5. **TERMS OF SUPPLY:** CFR Chattogram Sea Port.
6. **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.
7. **DELIVERY/SHIPMENT:** 45 Days from the date of letter of credit (LC).
8. **TENDER VALIDITY:** 45 Days from the date of Tender on opening date.
9. **THE TENDER DOCUMENTS MUST BE REQUIRED WITH SEAL AND SIGN THEREOF ON EACH PAGE:**

The Khulna Shipyard Ltd., Khulna invites quotation by **Single-envelope system** ("Original" and "Duplicate") from Manufacturers / Principal Suppliers for supply of the item(s) described in the attached sheet schedule (Annex-A) on CFR basis, 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.
10. **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 to all prospective bidders who have received Tender documents and the same will be binding on them.
 - 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

11. **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**

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 average exchange rate on the LC payment date (Be buyer's 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 will be treated as non-complied/ non-responsive.**

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

n. Authorization letters from OEM/ principal maintaining proper chain are to be submitted with the offer.

o. 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.

12. **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.**

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

14. **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% 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 in 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 / mentioning the amount of freight on Bill of Lading,
- (2) Supplier's invoice signed in ink,
- (3) Certificate of standard & Mill test,
- (4) Fax/E-mail/Swift advice for insurance cover,
- (5) Certificate of origin,
- (6) Authorization certificate,
- (7) 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.

N.B:- Non-negotiable copies of shipping documents will be sent in advance by email (oiocomf.ksy@gmail.com) before getting original and original shipping documents will be delivered in the LC opening Bank before 07 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, the supplier shall be responsible for any demurrage, extra handling charges or any other expense arising there from.

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 borne the following foreign bank charges: -

- (1) Negotiation commission.
- (2) Payment 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).

15. **PACKING AND MARKING:**

a. The seller shall be responsible for proper 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:- If you fail to adhere to the above instructions regarding marking of non-negotiable copies of shipping documents in advance by email (oiccomf.ksy@gmail.com), resulting in any delay in clearance of goods, responsibility and consequences thereof will be entirely of sellers.

16. **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

17. **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.

18. **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 5% 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. 7, 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.

19. **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.

20. **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.

21. **EARNEST MONEY.** All bidders must submit earnest money BDT 50,000.00 (Fifty Thousand) 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 and it will be included with technical offer. In case bank guarantee is submitted, the same should remain valid for 90 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-C.

22. **PERFORMANCE BOND.** The successful Tenderer will be required to furnish performance bond (as a pay order) to the extent 05% 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) 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-D.

23. **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 and delivery of vessel. 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.

24. **GUARANTEE FOR WARRANTY.** Supplier shall furnish to KSY a guarantee for warranty (as a pay order) 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.
25. **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.
26. **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.
27. **COMPLIANCE STATEMENT.** A compliance statement considering all clauses of Technical (ANNEX-B) 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.
28. **DISQUALIFICATION OF TENDER:**
- 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.
 - 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.
29. **TAXES, DUTIES AND DELAY DOCUMENTS:**
- 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.
 - Charges of such nature in seller's country or in any country other than the buyer's country shall be borne by the sellers.
 - 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.
30. **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.

31. **APPLICABLE LAW.** The purchase order shall be interpreted in accordance with the law of the buyer's country.
32. **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, Blockades 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.
33. **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 reject any or all Tenders without assigning any reason whatsoever.

Yours faithfully



SK. SHAH MOSIUR RAHOMAN
OIC (Commercial Foreign)
For Managing Director

Enclosure:

- | | |
|--|------------|
| A. Format of Price Schedule (Annex - A) | - 01 Page |
| B. Technical Specification & Drawing of Brand new Various Pump (As per Annex- B) | - 10 Pages |
| C. Format of Bank Guarantee in Lieu of Earnest Money (Annex - C) | - 01 Page |
| D. Format of Bank Guarantee in Lieu of Performance Bond (Annex - D) | - 01 Page |

**KHULNA SHIPYARD LTD.****BANGLADESH NAVY, KHULNA****PHONE NO: PABX 02-477720003****E-mail: oiocomf.ksy@gmail.com, Web: www.khulnashipyard.gov.bd****SCHEDULE TO TENDER ENQUIRY NO: BABE (F)-658/PPA-PV/Pumps/2025-2026 Date 23 JUNE 2026.****TENDER OPENING DATE: 14 JULY 2026 AT 1130 AM HOURS****Brand New Various Pumps:**

Sr No	DESCRIPTION OF ITEM (As per Annex- B)	Quantity	Material Price (Itemize)	Freight (Itemize)	Itemize Total CFR Price
1.	Brand New Various Pumps (As per Annex-B)	Itemize			

N.B. Supplier must follow commercial & Financial Terms that are integrated at schedule.

Yours quotation No.

Signature, Name and address of the tenderer:

Date:

Terms of delivery:

Telephone No:

TECHNICAL SPECIFICATION OF PUMPS OF THE PILOT VESSEL

Description	Specification
General Specification of the user Vessel	• Vessel Type: Pilot vessel • Classification Society: BV • Length Overall (LOA): 22.5 meters • Breadth: 6.9 meters • Draught: 1.9 meter • Depth: 3.35 • Displacement: 78 tons (Approx.) • Maximum Speed: 20 knots • Operating Area: Coastal area. • Speciality: Self-righting capable vessel • BV Project Number: 47843F

1. Name of the Item: Pumps and its accessories.

Ser	Details	Qty	Remarks
a)	• Type: General service (GS) pump, marine type, self-priming • Brand & Model: Gianceschi BMA-S DN50 or similar brand with same/similar specification (to be mentioned) • Voltage: AC 230$\pm$10% V- 50Hz ,1Ph • System Name: Bilge & Fire System • Capacity: 18 m³/h (minimum) • Head: 3 m (minimum) • Suction & Delivery Port: DN50 • Weight: To be mentioned • NPSHr: Minimum 1 meter (to be mentioned) • Motor Power: To be mentioned (as per OEM Standard) • Protection Class: IP 56 (to be mentioned) • Insulation Class: Class F • Impeller Material: To be mentioned • Country of Origin: JAPAN/ EU/ UK/ USA • Country of Manufacture: JAPAN/ EU/ UK/ USA	1 ✓	
b)	• Type: Electric Submersible Automatic Bilge Pump • Brand & Model: Jabsco Rule 3700 or similar brand with same/similar specification (to be mentioned) • Voltage: 24V DC • System Name: Bilge & Fire System • Capacity: 13m³/h (minimum) • Head: 4m (minimum) • Delivery Port: DN40 • Weight: To be mentioned • NPSHr: Minimum 1 meter (To be mentioned) • Motor Power: To be mentioned (as per OEM Standard) • Protection Class: IP 56 (to be mentioned) • Insulation Class: Class F • Impeller Material: To be mentioned	3 —	

	- Country of Origin: JAPAN/ EU/ USA/ UK - Country of Manufacture: JAPAN/ EU/ Mexico/ UK/ USA		
c)	- Type: Manual Bilge Pump - Brand & Model: Whale Gusher 30 or similar brand with same/similar specification (to be mentioned) - System Name: Bilge & Fire System - Capacity: 7m³/h (minimum) - Head: To be mentioned, as per standard - Suction & Delivery Port: DN40 - Weight: To be mentioned - NPSHr: Minimum 1 meter (To be mentioned) - Motor Power: To be mentioned (as per OEM standard) - Impeller Material: To be mentioned - Country of Origin: JAPAN/ EU/ UK/ USA - Country of Manufacture: JAPAN/ EU/ UK/ USA	3	
d)	- Type: Dirty oil pump - Brand & Model: Jabsco 53040 Utility Pump, or similar brand with same/similar specification (to be mentioned) - Voltage: 230±10% V AC– 50Hz, 1 Ph - System Name: Bilge & Fire System - Capacity: 2m³/h (minimum) - Head: To be mentioned, as per standard - Suction & Delivery Port: DN40 - Weight: To be mentioned - NPSHr: Minimum 1 meter (To be mentioned) - Motor Power: To be mentioned (as per OEM standard) - Protection Class: IP 56 (to be mentioned) - Insulation Class: Class F - Impeller Material: To be mentioned - Country of Origin: JAPAN/ EU/ USA/ UK - Country of Manufacture: JAPAN/ EU/ Mexico/ UK/ USA	1	
e)	- Type: Emergency Portable Fire Pump (Diesel) with complete set, suction hose, check valve and all accessories - Brand & Model: To be mentioned - Engine Manufacturer: to be mentioned - System Name: Bilge & Fire System - Capacity: 20m³/h - Head: To be mentioned, as per standard - Suction dia & Discharge dia: DN 65 - Weight: To be mentioned - NPSHr: minimum 2 meter (To be mentioned) - Impeller Material: To be mentioned - Country of Origin: JAPAN/ EU/ UK/ USA - Country of Manufacture: JAPAN/ EU/ UK/ USA - Fire hose & nozzle: (12m length 2" lay flat hose) with brass coupling and brass spray- jet nozzle	1	

	- Suction Hose: 01 in number suction hose 03 m length with strainer, 01 in no coupling hose joint with sleeve (male & female coupling), 06 pcs hose clamp, 01 suction blanking cap. - Battery: To be supplied (if required).		
f)	- Type: Fresh Water Pump - Brand & Model: Headhunter Mach 5 or similar brand with same/similar specification (to be mentioned) - Voltage: AC 230±10% V– 50Hz , 1 Ph - System Name: Domestic System - Capacity: 3.6m³/h (minimum) - Head: To be mentioned, maximum as per standard - Suction & Delivery Port: DN20 - Weight: To be mentioned - NPSHr: Minimum 2 meter (To be mentioned) - Motor Power: To be mentioned (as per OEM standard) - Protection Class: IP 56 (to be mentioned) - Insulation Class: Class F - Impeller Material: To be mentioned - Country of Origin: JAPAN/ USA/ EU/ UK - Country of Manufacture: JAPAN/ USA/ EU/ UK	1	
g)	- Type: Sewage Macerator Pump - Brand & Model: Headhunter Mako 1 or similar brand with same/similar specification (to be mentioned) - Voltage: AC 230±10% V– 50Hz , 1 Ph - System Name: Domestic System - Capacity: 2.04m³/h (minimum) - Head: To be mentioned, as per standard - Suction & Delivery Port: DN40 - Weight: To be mentioned - NPSHr: Minimum 2 meter (To be mentioned) - Motor Power: To be mentioned (as per OEM standard) - Protection Class: IP 56 (to be mentioned) - Insulation Class: Class F - Impeller Material: To be mentioned - Country of Origin: JAPAN/ USA/ EU/ UK - Country of Manufacture: JAPAN/ USA/ EU/ UK	1	
h)	- Type: Grey Water Pump - Brand & Model: Headhunter Mako 1 or similar brand with same/similar specification (to be mentioned) - Voltage: AC 230±10% V– 50Hz , 1 Ph - System Name: Domestic System - Capacity: 2.04m³/h (minimum) - Head: To be mentioned, as per standard - Suction & Delivery Port: DN40	1	

	- Weight: To be mentioned - NPSHr: Minimum 2 meter (To be mentioned) - Motor Power: To be mentioned (as per OEM standard) - Protection Class: IP 56 (to be mentioned) - Insulation Class: Class F - Impeller Material: To be mentioned - Country of Origin: JAPAN/ USA/ EU/ UK - Country of Manufacture: JAPAN/ USA/ EU/ UK		
i)	- Type: Toilet SW Pump - Brand & Model: Headhunter RP "Royal Pump" or similar brand with same/similar specification (to be mentioned) - Voltage: AC 230±10% V- 50Hz, 1Ph - System Name: Domestic System - Capacity: 5.2m³/h (minimum) - Head: To be mentioned, maximum as per standard - Suction & Delivery Port: DN25 - Maximum working pressure: 4 bar - Weight: To be mentioned - NPSHr: Minimum 2 meter (To be mentioned) - Motor Power: To be mentioned (as per OEM standard) - Protection Class: IP 56 (to be mentioned) - Insulation Class: Class F - Impeller Material: To be mentioned - Country of Origin: JAPAN/ USA/ EU/ UK - Country of Manufacture: JAPAN/ USA/ EU/ UK	1	
j)	- Type: Lubricating oil transfer pump (gear type pump) - Brand & Model: Marco UP14/OIL or similar brand with same/similar specification (to be mentioned) - Voltage: AC 230±10% V- 50Hz - System Name: Lube Oil System - Capacity: To be mentioned - Head: To be mentioned - Suction & Delivery Port: DN15 - Pressure: 3 bar - Weight: To be mentioned - Suction Lift : minimum 3 m - Motor power: 370 Watts (Approx) to be mentioned (AS per OEM standard) - Protection Class: IP 56 (to be mentioned) - Insulation Class: Class F - Impeller Material: To be mentioned - Country of origin: JAPAN/ EU/ USA/ UK - Country of Manufacture: JAPAN/ EU/ USA/ UK	1	

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k)	- Type: Defueling pump (diesel fuel oil transfer, gear type pump) - Brand & Model: Marco UP3/AC gear pump or similar brand with same/similar specification (to be mentioned) - Voltage: AC 230±10% V– 50Hz, 1ph - System Name: Fuel system - Capacity: To be mentioned - Head: To be mentioned - Suction & Delivery Port: To be mentioned - Pressure: 2 bar - Weight: To be mentioned - Suction Lift: minimum 4 m - Motor power: 120 Watts (Approx) to be mentioned (As per OEM standard) ↓ - Protection Class: IP 56 (to be mentioned) - Insulation Class: Class F - Impeller Material: To be mentioned - Country of origin: JAPAN/ EU/ USA/ UK - Country of Manufacture: JAPAN/ EU/ USA/ UK	1	
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2. **Important instructions:**

- a. **BV Class product certificate:** Must be provided during delivery.
- b. **Lightweight pumps** should be offered. *Weight of each pump to be mentioned.*

3. **Standard and necessary accessories:** Accessories as per manufacturer standard including 1 set spare seal with each pump to be supplied.

4. **Class notation:** I ✕ Hull • Mach

5. **Documents:** Brochures and catalogs of all pumps must be provided.

6. **Warranty:** Supplier shall undertake the full responsibility to rectify any defect of supplied machinery/ equipment 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 (Twelve) months after acceptance and delivery of pilot vessel to PPA. Warranty repair/ replacement shall be accomplished within 3 (Three) months of notification of the relevant defect. Otherwise warranty will be extended by non-operational period of the equipment.

7. **Installation and test-trial:** Installation will be carried out by the buyer. Test-trial on board will be carried out at the presence of the supplier representative.

8. **Compliance statement:** A compliance statement (in a tabular format) fulfilling all the requirement of the tender is to be submitted for evaluation of the quotations along with the offer. Stating more 'Yes' or 'No' will not suffice and detailed description/ information as required is to be given. An incomplete compliance statement may attribute to cancellation of the offer.

9. Enclosure: Necessary drawings attached - 04 (Four) Pages.

REVIEWED

and as per contract.

Istanbul, 30-Jan-2026

[Electronic document]

The plan approval office

SEE COMMENTS IN VPM

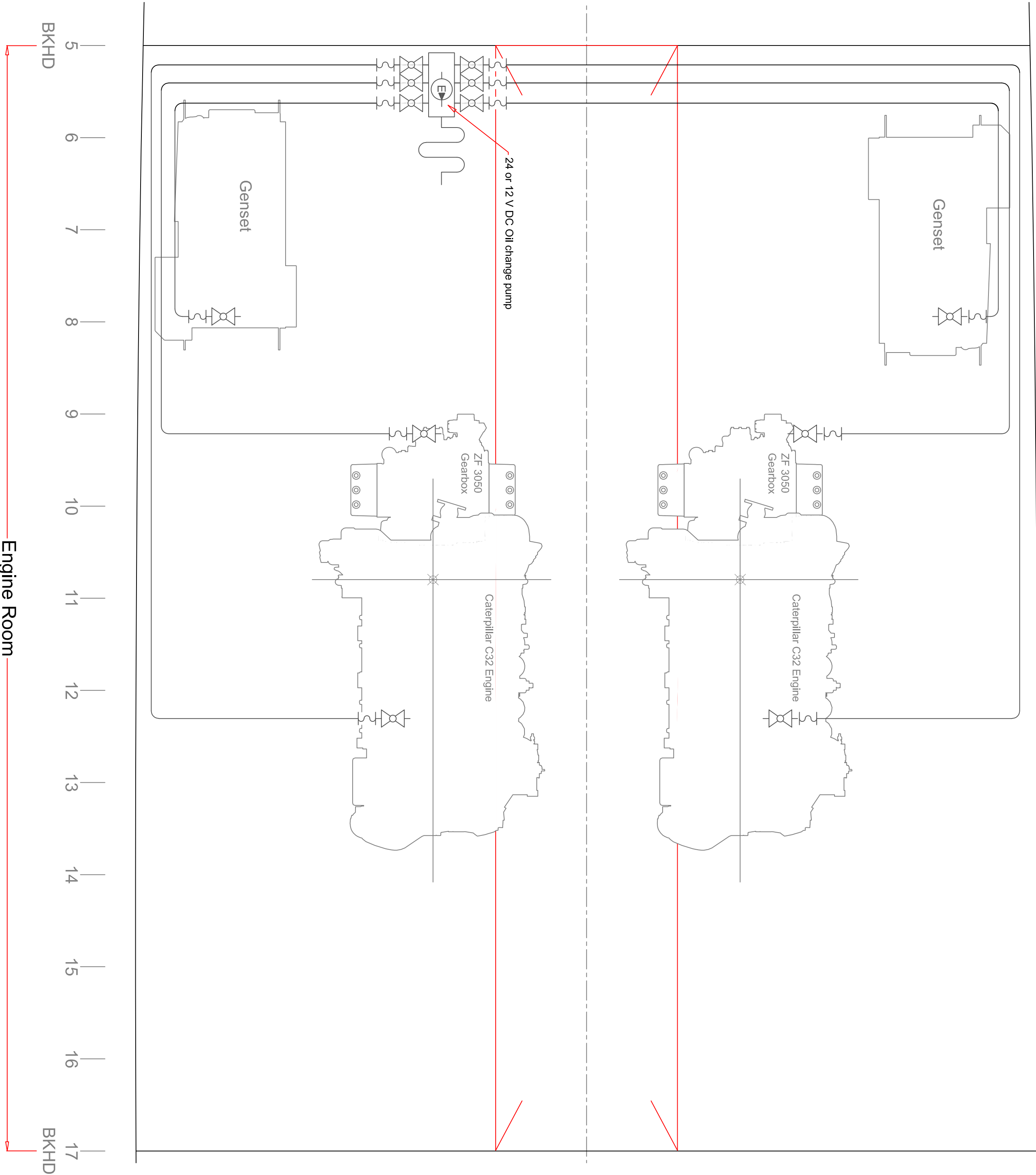
KEY	
	Quarter Turn Ball Valve
	Wandering Hose
	Oil change pump
	Short length of flexible hose

Flexible Hose Sizes		
Nominal Dia	NPS	ID (mm)
DN10	$\frac{1}{2}$ " Hose	15.87

Seamless St. Stl. Pipe Sizes					
Nominal Dia.	SCH	ID (mm)	OD (mm)	Wall thk. (mm)	Rule Min thk. (mm)
DN15	SCH10	17.12	21.34	2.11	1.00

NOTES:

1. Main engines - 2 x CAT C32 1090kW @ 2000 & 2300 RPM.
2. Generators - 2 x 65 kVA 51 kN/e, 50Hz, 3P.
3. Piping system considered class III, (unless stated)
4. All pipes to be seamless de-scaled stainless steel 3/16 tube, (unless stated).
5. All flexible hoses (short lengths) to be Type Approved for their intended service, end connections to be crimped.
6. All flexible hoses and flexible piping to be Type Approved, Fuel & Fire Resistant,
7. All pipes and hoses to be adequately clipped, supported & coloured in accordance with ISO 14726.
8. All valves to be made to a recognized standard. All valves and fittings to be stainless steel, (unless stated).
9. All valves to be shut, except during lubrication transfer (considered class II).
10. All pipes to be screened from hot surfaces.
11. Fresh oil is to be pumped from a portable oil container.
12. Dirty oil is to be pumped to a portable oil container.



01	06/05/24	Initial Issue	RS
Issue	Date	Description	By

P122-KS807-5.2-Sht.02

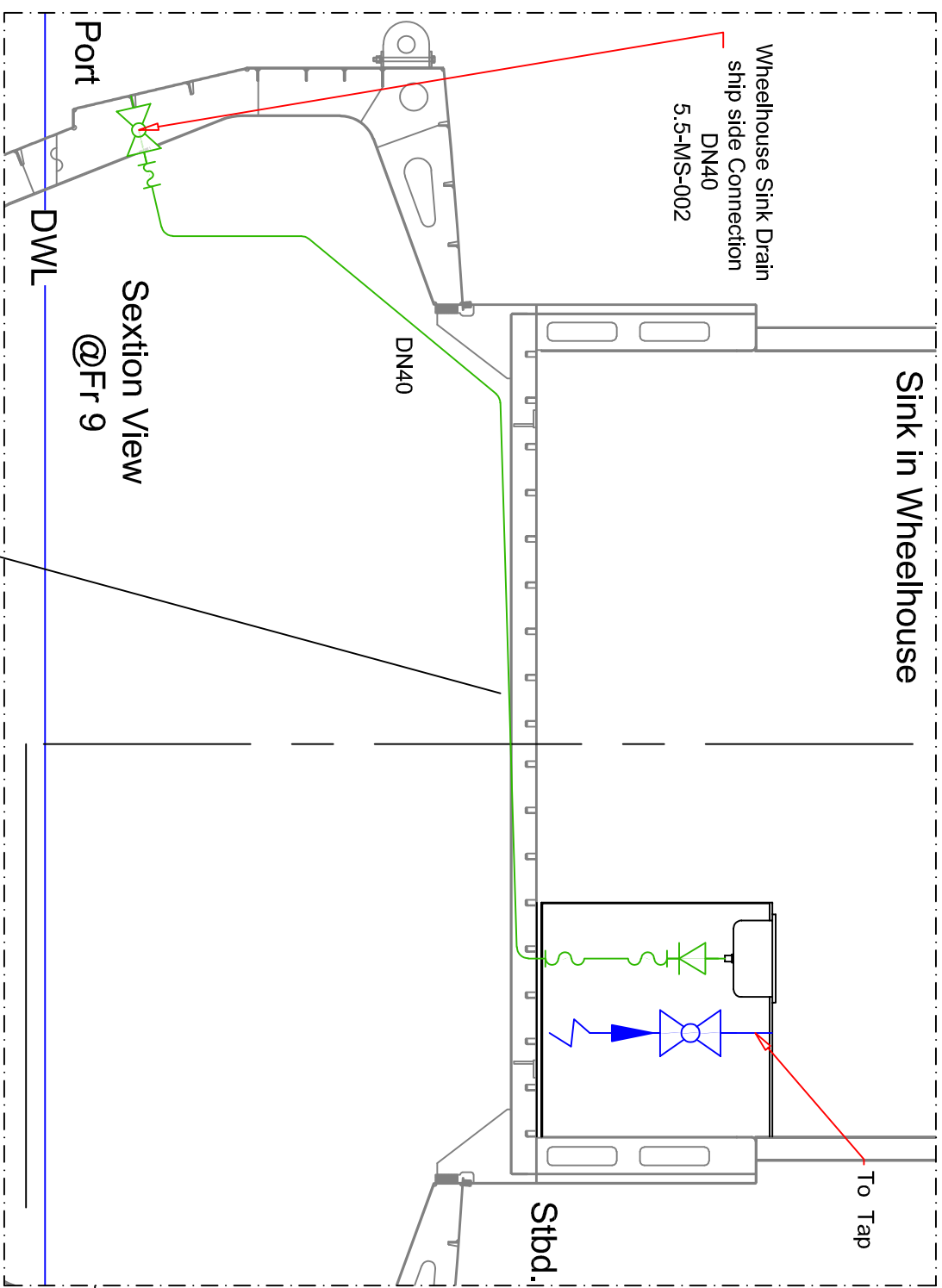
Paper Size	A1	Drawing Scale	NTS	Dimension Units	mm
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22m Steel Pilot Boat For Khulna Shipyard Lube Oil System Schematic

Hull No. NB 807
BV No. 47843F

**SUBJECT TO ENGINE
SUPPLIER'S APPROVAL**

SUBJECT TO BUREAU
VERITAS APPROVAL

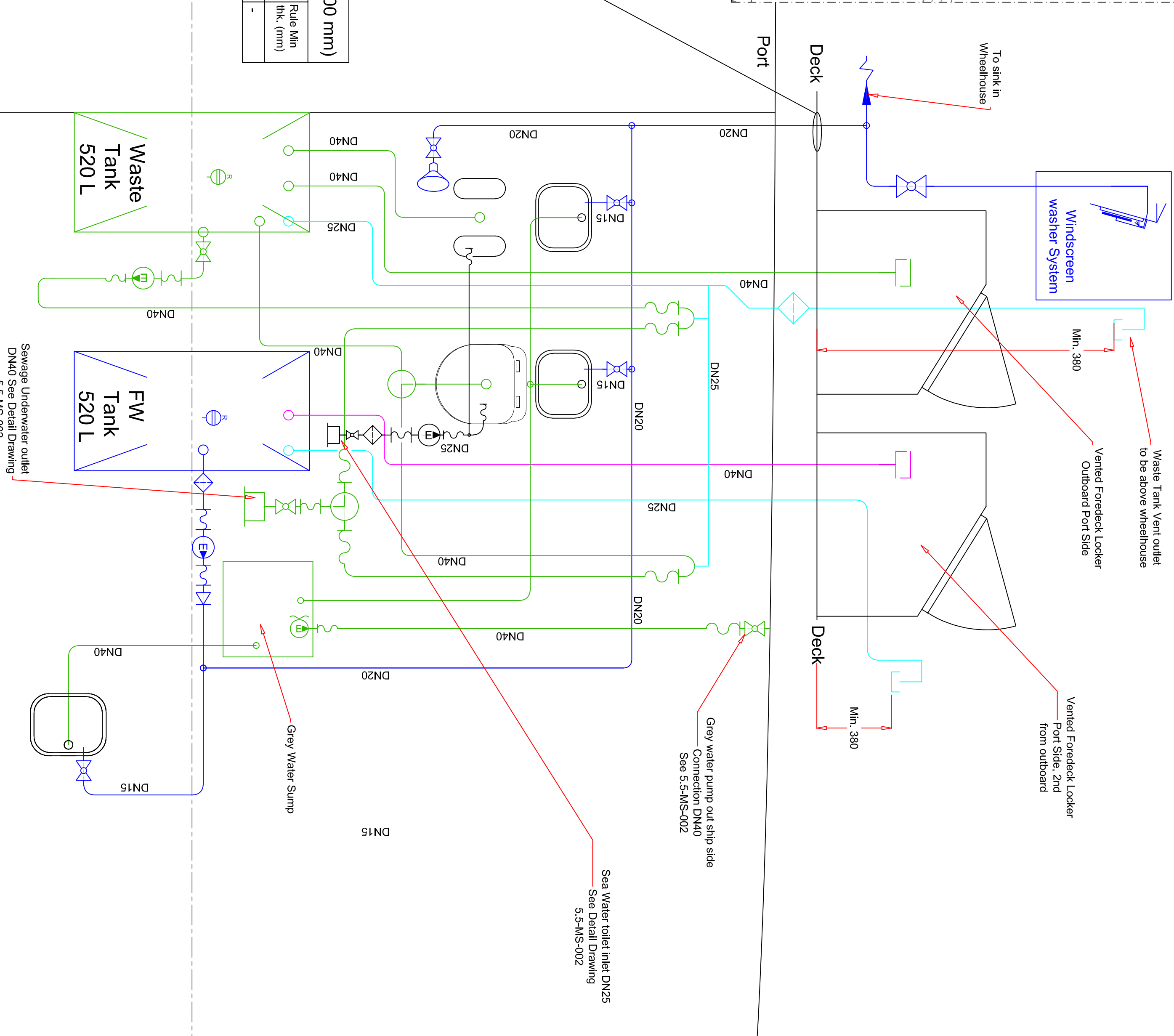


St. Sil. Tube Through ER				
Nominal Dia	Imperial Size	SCH	ID (mm)	OD (mm)
DN40	1 1/2"	16 SWG	31.70	34.90
Wall thk.	Rule Min thk. (mm)			
		1.60		

St. Sil. Tube Through Deck (Min. length 400 mm)				
Nominal Dia	Imperial Size	SCH	ID (mm)	OD (mm)
DN20	3/4"	16 SWG	15.85	19.05
Wall thk.	Rule Min thk. (mm)			
		-		

Bureau Veritas Marine & Offshore
Section 47843F.....
REVIEWED
subject to comments
and only for parts concerning Classification,
and as per contract.
Istanbul, 04-Feb-2026
[Electronic document]
The plan approval office

SEE COMMENTS IN VPM



Stbd.

17 18 19 20 21 22 23 24
BKHD Forward Accommodation

Key	
	Anti Odour Filter (Wavestream or equivalent)
	Deck Filler (Fresh water)
	L-Port Valve
	Anti Syphon Loop
	Flexible Hose
	Deck Pump out (Sewage) (Marpol type)
	Electric Submersible Pump

Piping Key	
	FW supply, (Cold) PEX pipe and/or FDA grade Polyester Reinforced PVC flexible hose, DN20 (unless stated)
	Drain & Black Water, ABS pipe and /or Flexible Sanitation hose DN40 (unless stated)
	Tank Vent, ABS pipe and/or Odour Resistant DN25 (unless stated)
	FW Tank fill, ABS pipe and/or flexible sanitation hose, DN40 (unless stated)
	SW Supply, Flexible Hose: Type Approved, for it's intended media.

- NOTES:
- Domestic Fresh water plumbing is to be run in Pex-Al-Pex piping. (unless stated).
 - All Pipe connections press type fittings.
 - All pipework and hoses to be adequately clipped and supported.
 - All nuts, bolts, washers etc. to be St. Sil. 316l
 - All flexible hoses and connectors to be double clipped at each end using stainless steel jubilee type clips.
 - Generally, Hoses to have a Min. of 1xDia length overlap to pipe; for pipes below 2"Ø to be 1.5x Dia.
 - All Flexible piping to be for their intended purpose (suction where applicable), end connections to be double clipped.
 - System routing shown as typical.
 - All Piping connected to ship side valves considered Class III. To Be Type Approved Flexible hose for it's intended media.
 - All Ship side valves considered Class II. See drawing 5.5-MS-002.
 - All other fresh water valves to be plastic, all waste water valves to be bronze.
 - Design pressure & temperature are considered;<0.3MPa & <100°C
 - Refer to manufactures installation manuals for further details.
 - All tanks to be fitted with inspection ports.
 - PIPE SIZES TO BE CONFIRMED WITH MANUFACTURER.
 - Typical Pex-Al-Pex (unless stated), pipe wall thickness, 2mm DN15, 3mm DN20.
 - U-Bends to be fitted on shower drain.
 - Sewage Tank Deck Pump out connection to be International Shore Connection Acc to Marpol Annex reg 11
 - Tanks not to be pumped up.

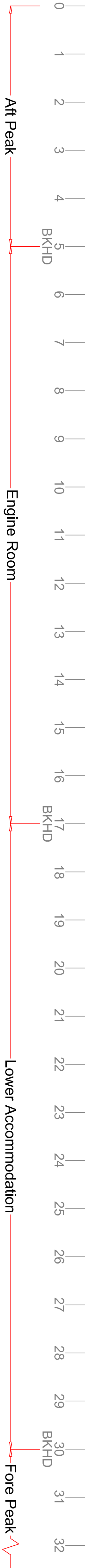
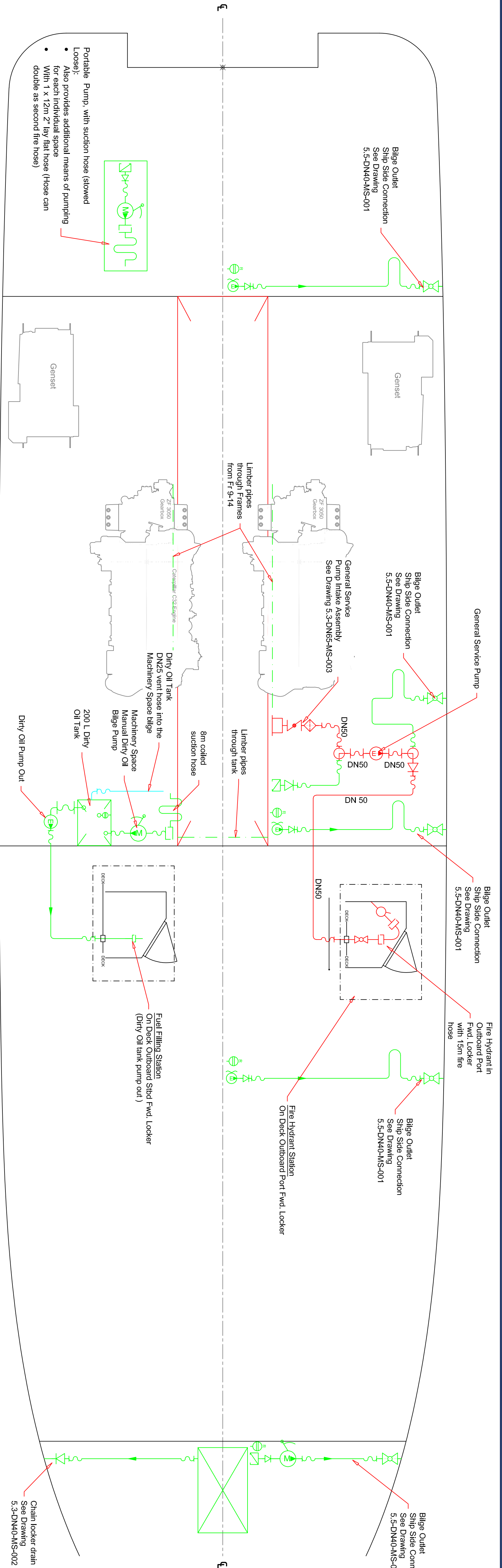
PUMP LIST, (Or similar)			
TYPE	MODEL	TYPICAL CAPACITY	NO OFF CAPACITY
Fresh Water Pump	Headhunter Mach 5	3.6 m³/h	1
Sewage Macerator Pump	Headhunter Mako 1	2.04 m³/h	1
Grey Water pump out	Headhunter Mako 1	2.04 m³/h	1
Toilet SW Pump	Headhunter RP "Royal Pump"	5.2 m³/h	1

04	15/11/26	Hot water system removed	RS
03	08/10/25	Hot water system removed	RS
02	27/06/25	See Rev shields	RS
01	03/09/24	Initial Issue	RS
Issue	Date	Description	By
P122-KS807-7.2-Sht.01			

Printer Size A1 Drawing Scale 1:20 Dimension Units mm
22m Steel Pilot Boat
For Khuha Shipyard
Domestic System Schematic

Hull No. NB 807
BV No. 47843F

SUBJECT TO BUREAU
VERITAS APPROVAL



Key	
	Main Bilge System
	Bilge Tank Vent
	Fire System
	Ball Valve
	See Water Inlet
	Level Sensor with Remote Indicator & alarm
	Pipe swan neck
	Self closing Valve
	Symbol denotes ends of flexible piping

Flexible Hose Sizes		
Nominal Dia	Imperial Size	ID (mm)
DN15	1/2"	12.2
DN25	1"	25.4
DN40	1 1/2"	38.1
DN50	2"	50.8
DN65	2 1/2"	63.5
DN80	3"	76.2
DN100	4"	101.6

BILGE PUMP SIZING:
Bilge main diameter (BV NR 566 Ch. 2, Sec. 5.1.3.1)
 $d_i = 1.88 \sqrt{L_t \cdot (B + D) + 25} = 1.88 \sqrt{19.35(5.87 + 3.35) + 25} = 47.45 \text{ mm}$
Capacity of each pump (BV NR 566 Ch. 2, Sec. 5.1.2.3)
 $Q = 0.00345 d_i^2 = 0.00345 \times 47.45^2 = 7.76 \text{ m}^3/\text{h}$
Total Pump Capacity (BV NR 566 Ch. 2, Sec. 5.1.4.2)
 $Q_t = 2.71 \times 7.76 = 16.87 \text{ m}^3/\text{h}$
Min. Individual pump capacity (BV NR 566 Ch. 2, Sec. 5.1.4.3)
 $Q_{ii} = Q_t/(N-1) = (16.87)/(4-1) = 5.21 \text{ m}^3/\text{h}$ (Min 5 m³/h)
 $Q_i = 2.71 \times 7.76 = 16.87 \text{ m}^3/\text{h}$

FIRE SYSTEM SIZING:

Fire pump capacity (BV NR 566, Ch. 4, Sec. 5.2.2.1)
 $Q = 0.145 \times (L_B + D) + 2.177 = 0.145 \times 19.35(5.87 + 3.35) + 2.177 = 16.87 \text{ m}^3/\text{h}$

PUMP LIST			
TYPE	MODEL	TYPICAL CAPACITY	HEAD
General Service Pump	Ganescht BMAS-24VDC DN40 or similar	18 m ³ /h	@~3m
Electric Submersible Bilge Pump	Jabsco 24VDC Rule 3700 or similar	13 m ³ /h	@4m
Manual Bilge pump	Whale Guster 30 or similar	7 m ³ /h	-
Dirty oil pump out	Jabsco 23870 24V DC	2 m ³ /h	1

- NOTES:**
- The Bilge System is designed to Bureau Veritas Rules, NRS66 -July 2022, Chapter 2 Section 4 & 5. In Particular Chapter 2, Section 5.1.4 "Alternative Arrangement".
 - The Fire System is designed to Bureau Veritas Rules, NRS66 -July 2022, Chapter 4, Section 5.
 - Main engines - 2 x CAT C32 1080KW @ 2000 - 2300 RPM.
 - Generators - 2 x 65 KVA/ 51 KW/6, 50Hz, 3P.
 - All piping to be DN40 (unless stated)
 - Piping system considered Class III, (unless stated)
 - All Ship side valves considered Class II, (unless stated)
 - Design pressure & temperature are considered:-0.3MPa & -60°C
 - System designed to operate with only one generator running at any one time.
 - All Bilge & fire piping system to be flexible hose (unless stated).
 - All flexible piping to be Type Approved for their intended media (suction where applicable), end connections to be double clipped.
 - All pipes and hoses to be adequately clipped, supported & coloured in accordance with ISO 14726.
 - All valves to be made to a recognized standard, all valves and fittings to be stainless steel, (unless stated).
 - All pipes to be screened from hot surfaces.
 - All dissimilar metals to be suitably insulated.
 - All fastenings to be St. Stl. 316
 - Fire Hoses with couplings & nozzles are to be fitted and located so that at least one jet of water may reach any part normally accessible to the crew, while the ship is being navigated. Nozzles are to be 12mm, class approved dual purpose type. (Incorporating a shutoff)
 - General service pump, intended purpose: Fire Suppression, Bilge Pump Out & Deck-Wash.
 - General service pump to be started / stopped locally and from the wheelhouse console.
 - Dirty oil tank. Dirty oil tank is to retain onboard oil and oily mixtures for discharge to shore-side facilities in compliance with MARPOL Regulations Annex 1, Ch. 3, Regulation 14.4. Tank is not to be pumped up.
 - Audible & visual bilge high level alarms for all compartments to be located at the wheelhouse console.
 - Engine Room (Machinery Space, Category A) is to be fitted with an approved fixed fire extinguishing system.

Hull No. NB 807
BV No. 47843F

SUBJECT TO BUREAU
VERITAS APPROVAL

Issue	Date	Description	By
05	05/02/26	Non return valve added, portable pump removed	RS
04	15/01/26	See rev shields	RS
03	08/10/25	Fuel locker drain removed	RS
02	27/09/24	See Rev Shield	RS
01	03/09/24	Initial Issue	RS

P122-KS807-5.5-Sht.01

SEE COMMENTS in VPM
Bureau Veritas Marine & Offshore
Section 47843F.....
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and only for parts concerning Classification,
and as per contract.
Istanbul, 16-Feb-2026
(Electronic document)
The plan approval office

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 50,000.00
 (Fifty Thousand) 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.ofhas 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 05% of the 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)