



# KHULNA SHIPYARD LIMITED

## BANGLADESH NAVY

Labonchara, Khulna-9201, Bangladesh

Phone: 02-44110987, 02-477720003, Fax: 02-477720404

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

Project-632/ 982

Date: 31 December 2023.

### **REQUEST FOR PROPOSAL (RFP)/ REQUEST FOR QUOTATION (RFQ) - PROCUREMENT OF ECHO SOUNDER AND SPEED LOG.**

1. **Item Description.** Khulna Shipyard Limited (KSY) intends to procure Echo Sounder & Speed Log and Qty. 03 sets from reputed suppliers/manufacturer/ companies.
2. **Scope of Supply.** The scope of supply/technical specification is attached with the RFP/ RFQ as an Annex-A & Annex-B (Echo Sounder & Speed Log).
3. **Schedule Collection and Offer Submission.** Interested supplier/ manufacturer/ companies are hereby requested to contact the following for the collection of the RFP/ RFQ Schedule and submission of the offer:

General Manager  
Design & Planning Department  
Khulna Shipyard Ltd. Bangladesh Navy  
Khulna-9201  
Cell: +8801769-784605 (WhatsApp)  
Email: [plans@khulnashipyard.com](mailto:plans@khulnashipyard.com)

4. **Bidder's Qualification Documents to be Submitted.**

- a. Valid Trade License.
- b. Business Registration Certificate/ Article of incorporation/ association.
- c. TIN/ equivalent Certificate.
- d. Bank Solvency Certificate.
- e. BIN/ equivalent Certificate.

5. **General Condition.**

- a. Article wise compliance statement fulfilling the requirement of the RFP/ RFQ is to be submitted for evaluation of the quotations. Stating mere 'Yes or No' will not suffice and detailed description/ information, brochures (as required) is to be given. An incomplete compliance statement in any part may attribute to cancellation of the offer. If any clause of this specification does not commensurate with the requirement, the deviation must be spelt out clearly.
- b. Financial offer should be quoted in USD/ EURO/ GBP/ BDT
- c. FOB price is to be clearly mentioned in the offer.
- d. CFR/ CPT price is to be clearly mentioned in the offer.

6. **Evaluation.** Among the technically responsive bidder/ bidders, KSY will consider the technically responsive lowest bidder for evaluation. During evaluation phase, KSY will establish direct contact with the top management of manufacturers. In this respect Bidders should provide necessary **links/ contact details** to ensure the genuinity of the manufacturer.

7. **Manufacturer Details.** The intended Manufacturer should be International Association of Classification Societies (IACS) approved and related certificates are to be submitted along with mill name, full address, telephone number, WhatsApp number, e-mail address.





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8. **Authorization Letter.** The concerned supplier must provide following original certificate (s)/ document (s) as applicable with the offer and during delivery of items as regard to the genuinity of source and items (s) in order to establish chain of links from the original source to supply:
- a. One certificate / document - by the original equipment manufacturer (OEM) in favour of the supplier (in case of OEM as principal).
  - b. Two certificates/ documents - one by the OEM to the authorized agent/ dealer and other by the authorized agent/ dealer to the supplier (in case of authorized agent/ dealer as principal)
  - c. Three certificates/ documents - first one by the OEM to the authorized agent/ dealer, second one by the authorized agent/ dealer to the sub-agent and third one by the sub-agent to supplier/ local representative (in case of sub agent as principal). If the supplier is unable to obtain the first certificate (by OEM to the authorized agent/ dealer), then it has to produce relevant document to prove agency-ship of its claimed agent of the recognized manufacturer.
9. **Pre-shipment Inspection (PSI).** Pre-shipment inspection (PSI) will not be required for this item. But the supplier/ seller should intimate buyer at least 10 days prior to the readiness of the shipment. Based on taking clearance from KSY, supplier/ seller will ship the goods.
10. **Performance Guarantee (PG).** 5-10% Performance Guarantee (PG) of the total contract price (TCP) will have to be submitted within 15 days after issuance of NoA. After that contract will be signed with mutual understanding. Validity of the PG should be upto delivery of the goods and final acceptance by the buyer. Failure to furnish PG will be considered as non-responsive.
11. **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 months after acceptance and delivery of each vessel by BN. Warranty repair/ replacement shall be accomplished within 3 months of notification of the relevant defect. Otherwise warranty will be extended by non-operational period of the equipment.
12. **Guarantee for Warranty.** Supplier shall furnish to KSY a guarantee for warranty for an amount equivalent to 5% (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
13. **Joint Inspection at KSY.** If any defective or 2nd hand item is found during the joint mustering of KSY & supplier at KSY premises the defective or 2nd hand item will not be acceptable. Supplier shall undertake the full responsibility to supply and replace the pitted or 2nd hand item by new one.
14. **Payment Terms.** 100% Payment will be made through irrevocable Letter of Credit (LC) opened with scheduled bank in Bangladesh and negotiating bank recommended by the seller under following terms and conditions:





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a. 80% of the CFR value of the contract will be paid on production of the following documents to the Bank:

- (1) Invoice.
- (2) Packing Note.
- (3) Manufacturer's/ Supplier's Inspection report/ Certificate.
- (4) Shipping Documents including Non Negotiable Bill of Lading or Airway bill marked freight "prepaid".
- (5) Warranty Certificate.
- (6) Pre-shipment Inspection Report signed by both seller and buyer.

b. Rest 20% of CFR value will be released on presentation of acceptance certificate signed by both the seller and buyer on completion of installation, Joint inspection and clearance from KSY to the bank.

15. **Advance Payment.** If the principal/ OEM is required to get an advance against LC, principal has to provide an Advance Bank Guarantee of the same amount in same currency as per Bangladesh Bank Policy. For any reason if the principal is incapable/ reluctant to provide Advance BG local representative/ Supplier will furnish the BG to KSY.

16. **Shipment Time.** Shipment will be done within 90 days after opening LC. Early shipment will get priority.

17. **Port of Shipment.** To be mentioned.

18. **Validity.** Offer validity will be 30 days from the submission date of offer.

19. **Deadline of Offer Submission.** Interested bidders should submit their technical and financial offer by or before **09 January 2024.**

20. **Consignee Address.**

The Managing Director  
Khulna Shipyard Ltd.  
Bangladesh Navy, Khulna, Bangladesh.  
Phone: 02-44110987, 02-477720003  
E-mail: plans@khulnashipyard.com  
Web: www.khulnashipyard.com

21. **KSY reserves the right to accept/ reject all or any part of the bidder's offer against this RFP/ RFQ without showing any reason.**

MD JULHASH UDDIN AHMED  
General Manager (Design & Planning)  
Captain BN  
For Managing Director

Enclosure:

1. Annex-A & Annex-B (Technical Specification) (Echo Sounder & Speed Log). - 05 (Five) Pages.



**TECHNICAL SPECIFICATION OF THE ELECTROMAGNETIC SPEED LOG - 3 X LCT PROJECT**

1. Name of Equipment : Electromagnetic speed log complete set.
2. Purpose : To measure the speed of moving vessel. Interfacing facilities with standard accessories have to ensure between Speed log and Gyrocompass, 2x Radar WAIS, BAS.
3. Quantity : 03 complete sets.
4. Country of Origin : Japan.
5. Manufacturing country : Japan.
6. Manufacturer : Japan.
7. Type : To be mentioned.
8. Brand : JRC.
9. Model : JLN-205MK2
10. Year of manufacturer : 2023 or later. The item should be brand new and original.
11. Ambient condition
  - a. Temperature : 5° to 45° C
  - b. Relative humidity : up to 98%
  - c. Location : on board ship
12. Technical Specification for each Electromagnetic speed log complete set:

Description of Material		
1.	Name of the Item	: Electromagnetic speed log.
2.	Log signal processor unit.	: To be provided
3.	Log signal distributor unit	: To be provided
4.	Speed log main display(Not less 4.5")	: To be mentioned
5.	Speed log transducer with cable min.30 mtr.	: To be provided
6.	Matching box.	: To be provided
7.	Dual input power supply	: To be provided
8.	Appropriate transducer tank sea chest with Gate valve.	: To be provided
9.	Name and full address of manufacturer	: To be mentioned
10.	Speed range	: To be mentioned
11.	Depth Range	: To be mentioned
12.	Speed accuracy	: To be mentioned
13.	<b>Additional Features</b>	: To be mentioned
14.	Power supply	: To be mentioned
15.	Power consumption	: To be mentioned
16.	Weight	: To be mentioned
17.	Size	: To be mentioned
18.	Operating Method	: To be mentioned
19.	<b>Standard Accessories</b>	: To be mentioned

13. Standard necessary accessories and spare parts : Any items not specified in this technical specification but essential to operate the supplied machinery/ equipment is also under the scope of supply of the Supplier.
14. Documents : a. 01 (One) set of Operation and maintenance manual, Maintenance management system documents, Workshop level repair manual, Parts catalogue and




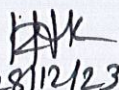
Colored PIL, Electric-electronic and system circuit diagrams including fault finding flow charts, Installation drawing etc will be provided with the offer.

b. The supplier will provide 09 (Nine) sets of Operation and maintenance manual, Maintenance management system documents, Workshop level repair manual, Parts catalogue and Colored PIL, Electric-electronic and system circuit diagrams including fault finding flow charts, Installation drawing etc of above mentioned item in English during delivery of item.

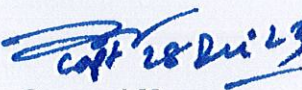
15. Certificate : Type Approval certification issued by a Recognized Body (other Classification Society, Flag administration or Certification Body) is to be provided. Supplier will also provide Maker's Certificate of Conformity in accordance with MED Certification.
16. Installation Supervision : Supplier will provide all necessary support by Email/ WhatsApp/ Zoom/ Phone Call during installation of the item. Physical presence during installation of the system is not required. But before test-trial and commissioning, supplier/ supplier nominated engineer will check the installation work and subsequently will complete the test, trial and commissioning.
17. Test-Trial and Commissioning : Local agent/supplier nominated engineer will be held responsible for satisfactory test, trial and commissioning.
18. Training : 02 (Two) days onboard training of item is to be provided per ship by supplier/ supplier nominated Engineers.

  
28/12/2023  
Project Officer  
(LCT)

  
28/12/2023  
OIC  
(R&D)

  
28/12/23  
OIC  
(Military Products)

Deputy General  
Manager (D&P)

  
Capt 28 Dec 23  
General Manager  
(D & P)



**TECHNICAL SPECIFICATION OF THE NAVIGATIONAL ECHO SOUNDER - 3 X LCT PROJECT**

1. Name of Equipment : Navigational Echo Sounder complete set.
2. Purpose : To measure the depth of water from vessel and interface with other navigational equipment.
3. Quantity : 03 complete sets.
4. Country of Origin : Japan.
5. Manufacturing country : Japan.
6. Manufacturer : Japan.
7. Type : To be mentioned.
8. Brand : FURUNO.
9. Model : FE-800.
10. Year of manufacturer : 2023 or later. The item should be brand new and original.
11. Ambient condition
  - a. Temperature : 5° to 45° C
  - b. Relative humidity : up to 98%
  - c. Location : on board ship

## 12. Technical Specification for Each Navigational Echo Sounder complete set:

Description of Material		
a.	Name of the Item	: Navigation Digital Color Echo Sounder.
b.	Echo sounder Processor unit.	: To be provided
c.	Echo sounder display (not less 8.4")	: To be mentioned
d.	Echo sounder transducer (50/200 KHz) with cable (min) 30 mtr.	: To be provided
e.	Matching box.	: To be provided
f.	Dual input power supply	: To be provided
g.	Appropriate transducer sea chest tank with water sealing material.	: To be provided
h.	Transducer cable -20 mtr (Additional )	: To be provided
i.	Marine type screen cable ( 3x2.5) rm -50 mtr	: To be provided
j.	Name and full address of manufacturer	: To be mentioned
k.	Depth range setting steps	: To be mentioned
l.	Depth Range	: To be mentioned
m.	Depth accuracy	: To be mentioned
n.	Operation Option	: To be mentioned
o.	Additional Features	: To be supplied with each set
p.	(i) Compact high-end, two unit model, compliant with IMO resolution MSC.74 (69) and wheel mark approved.	: To be mentioned
	(ii) Selectable high or low frequency operation across full screen display.	: To be mentioned
	(iii) Displays echoes in up to 7 analog colors across 8-inch VGA TFT LCD Screen.	: To be mentioned



	(iv) Fully automatic operation, tracking bottom with appropriate gain, TVG, power.	:	To be mentioned
	(v) Interfaces with GPS sensor to store depth data with LAT/LON and date information.	:	To be mentioned
	(vi) Stores up to 24 hours of sounding data for off-line data processing.	:	To be mentioned
	(vii) AC and DC power supplies in separate cabinet.	:	To be mentioned
q.	Transducer Frequency	:	To be mentioned
r.	Transmitter	:	To be mentioned
s.	Data Storage	:	To be mentioned
t.	External Interfaces	:	To be mentioned
u.	Power supply	:	To be mentioned
v.	Power Consumption	:	To be mentioned
w.	Weight	:	To be mentioned
x.	Size	:	To be mentioned
y.	Transducer Type	:	To be mentioned
z.	Beam Width	:	To be mentioned
aa.	TX/RX Unit	:	To be mentioned
ab.	Standard Accessories	:	To be supplied with each set
	(i) Mounting Bracket	:	To be mentioned
	(ii) DC Power cable	:	To be mentioned
	(iii) Knob	:	To be mentioned
	(iv) Transducer Adapter Cable	:	To be mentioned
	(v) Plug CP111-6P	:	To be mentioned
	(vi) Plug CP111-8P	:	To be mentioned
	(vii) Fuse 2A, 125V	:	To be mentioned
	(viii) Fuse 3A, 125V	:	To be mentioned
	(ix) Fuse 5A, 125V	:	To be mentioned
ac.	Operation Option (Fully automatic and manual operation)	:	To be mentioned

13. Standard necessary accessories and spare parts : Any items not specified in this technical specification but essential to operate the supplied machinery/equipment is also under the scope of supply of the Supplier.

14. Documents : a. 01 (one) set of Operation and maintenance manual, Maintenance management system documents, Workshop level repair manual, Parts catalogue and Colored PIL, Electric-electronic and system circuit diagrams including fault finding flow charts, Installation drawing etc will be provided with the offer.  
b. The supplier will provide 09 (Nine) sets of Operation and maintenance manual, Maintenance management system documents, Workshop level repair manual, Parts catalogue and Colored PIL, Electric-electronic and system circuit diagrams including fault finding flow charts, Installation drawing etc of above mentioned item in English during delivery of item..

15. Certificate : Type Approval certification issued by a Recognized Body (other Classification Society, Flag administration or Certification Body) is to be



## 16. Installation Supervision

provided. Supplier will also provide Maker's Certificate of Conformity in accordance with MED Certification.

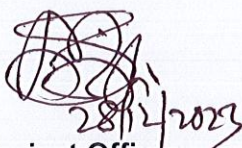
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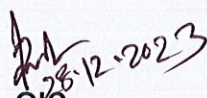
## 17. Test-Trial and Commissioning

: Local agent/supplier nominated engineer will be held responsible for satisfactory test, trial and commissioning.

## 18. Training

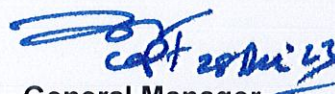
: 02 (Two) days onboard training of item is to be provided per ship by supplier/ supplier nominated Engineers.

  
28/12/2023  
Project Officer  
(LCT)

  
28.12.2023  
OIC  
(R&D)

  
28/12/23  
OIC  
(Military Products)

  
Deputy General  
Manager (D&P)

  
Capt 28 Dec 23  
General Manager  
(D & P)