



Dockyard & Engineering Works Ltd.

Bangladesh Navy

Sonakanda, Bandar, Narayanganj-1413, Bangladesh

PABX: 88-02-7661033, Fax: 88-02-7661027

Email: plans@dewbn.gov.bd, Web: www.dewbn.gov.bd

Ref: 06.02.6758.165.44.407.22. 867

Date: 07 April 2022

EXPRESSION OF INTEREST (EOI)

1. Dockyard & Engineering Works Ltd, Bangladesh Navy, Sonakanda, Bandar, Narayanganj-1413 intends to procure Main Engine, Gearbox, Generator and other related accessories for Reengining/ Regeneration/ Upgradation of below mentioned boat from a reputed firm/ supplier. Short description of scope of supply is as follows:

- a. **Project Description.** Supply and replacement of Propulsion system, Main Engines, Gearbox, Generator and other related accessories of HSB 1407 for Bangladesh Navy.
- b. **Country of Origin.** USA/ UK/ EU countries.
- c. **Scope of Supply/ Works.**
 - (1) Supply of both Propulsion system, Main Engine, Gear Box, Generator and Accessories of existing brand or equivalent.
 - (2) Replacement of both existing Propulsion system, Main Engines by new engines (including Gear Box and Accessories) and generator.
 - (3) Coupling of new gear box with new shafting system.
 - (4) Supply of all accessories/ items for reengining and regeneration.
 - (5) Supply of necessary spare parts and special tools.
 - (6) Supply of necessary drawings (e.g. Engine foundation drawing, Generator foundation, shafting arrangement, etc.) if required.
 - (7) Technical studies related propulsion system (e.g. resistance calculation, power prediction, propeller diameter and pitch determination, etc).
 - (8) Technical assistance during installation works.
 - (9) Commissioning of the engines, gear boxes and generator during harbor trial of the ship.
 - (10) Provide operational training to ship's crew by OEM engineer/ local distributor's technical expert before delivery of the ship.
 - (11) Provide maintenance training to DEW's technical team by OEM engineer/ local distributor's technical expert.
 - (12) Arrange FAT and PSI as per ship's owner requirement, if necessary.
 - (13) Warranty repair and after sales service.

2. **Existing Principal Particulars of the Boat.** The existing principal particulars of the boat are as follows:

Ser.	Items	Particulars of HSB
1.	Length OA	14.00 M
2.	Breadth	04.00 M
3.	Depth	01.30 M
5.	Speed	34 knots

3. **Technical Specification.** Offered propulsion system, engines, gear boxes and main generator should be same brand and model or equivalent to meet the particulars of existing engines, gear boxes and generator which are appended below:

a. **Existing Engine Specifications:**

Ser.	Items	Particulars of Engine
1.	Make	Volvo Penta
2.	Model	D6-370
3.	Power	370 HP
4.	No of Engines	02



Dockyard & Engineering Works Ltd.

Bangladesh Navy

Sonakanda, Bandar, Narayanganj-1413, Bangladesh

PABX: 88-02-7661033, Fax: 88-02-7661027

Email: plans@dewbn.gov.bd, Web: www.dewbn.gov.bd

Ser.	Items	Particulars of Engine
5.	RPM	3500
6.	Model Year	2010
7.	Approximate Dimension of Main Engines	Length : 1200 mm Width : 850 mm Height : 900 mm

b. Existing Gear Box Specifications:

Ser.	Items	Particulars of Gear Box
1.	Make	Volvo Penta
2.	Model No	duo prop Drive (DPH)
3.	Gear Ratio	1.63: 1

c. Existing Generator Specifications:

Ser.	Items	Particulars
1.	Make	Mase Generator
2.	Rated Power	5 kW
3.	Declared Frequency	~50 Hz
4.	Year of Manufacture	2010
5.	Mass	130 kg
6.	Quantity	01

4. Bidder must be engine manufacturer or authorized dealer of engine manufacturer. Supporting documents in this regards are to be submitted with the offer. Financial soundness of the company to be provided with appropriate bank statements and company profile.

5. Interested firm/ Supplier is hereby requested to contact following person of Planning & Design (P&D) department of this yard:

Md. Tyebul Islam
Executive Engineer
Planning & Design Department
Dockyard & Engineering Works Ltd.
Bangladesh Navy
Sonakanda, Bandar, Narayanganj-1413.
Cell: +880 1769 719 818
Email: dewltd.tender@gmail.com

6. Interested firm/ supplier will have to submit the offer by **15 April 2022**.

7. DEW reserves the right to cancel/ reject all or any part of the EOI prior to acceptance without showing any reason.

K MAHBUBUL HAQUE
Commander BN
For Managing Director