

## TENDER SPECIFICATION OF HYDRAULIC HAND PUMP

1. **Name of the Equipment.** Hydraulic Hand Pump with Accessories (Capacity: 300 MPa).
2. **Purpose.** It will be used for bolt tensioning systems, operating hydraulic nuts, floating of shafts, opening and separating marine gearboxes and loosening cylinder heads of large diesel engines.
3. **Quantity.** 01 (One) in number complete set.
4. **Manufacturer, Principal Supplier & Local Supplier.** Name and full address to be mentioned.

1.	Manufacturer	To be mentioned
2.	Principal Supplier	To be mentioned
3.	Local Supplier	To be mentioned

5. **Year of the Manufacture.** 2024 or later.
6. **Country of Origin.** USA, UK, EU Countries, Canada, Japan, Australia, South Korea, Turkiye (Turkey) and New Zealand.
7. **Manufacturing Country.** USA, UK, EU Countries, Canada, Japan, Australia, South Korea, Turkiye (Turkey) and New Zealand.
8. **Certificate/Document of Authentication.** The local supplier must provide following certificate(s)/ document(s) with the offer/quotation as regard to the genuineness of source and item(s) in order to establish chain of links from the original source to supply:
  - a. One certificate/document by the manufacturer in favour of the supplier (in case of manufacturer as direct source).
  - b. Two certificates/documents, one by the manufacturer to authorized agent and other by the authorized agent to supplier (in case of authorized agent as immediate source).
  - c. Three certificates/documents, first one by the manufacturer to authorized agent, second one by authorized agent to sub-agent and third one by sub-agent to supplier (in case sub-agent as immediate source). If the supplier is unable to obtain the first certificate (by manufacturer to authorized agent), then it has to produce relevant document to prove agency-ship of its claimed agent of the recognized manufacturer.
9. **Standard.** The Hydraulic Hand Pump is to be designed and constructed fulfilling the requirement of international standard. The standard to which the quoted Hydraulic Hand Pump complies with is to be specified (ISO or similar).

10. **Ambient Condition.** The Hydraulic Hand Pump will have to operate in the moist and humid tropical environment of Bangladesh. The conditions to be expected in service will be as follows:

1.	Air Temperature	+5°C to +45°C
2.	Relative humidity	Up to 95% (non -condensing)
3.	Location	Close to the sea shore



11. **Scope of Supply.** The scope of supply includes the followings:

- a. Main items (01 x Hydraulic Hand Pump with accessories) complete with all items necessary for immediate operation without the requirement of any other items (standard fittings/attachments, accessories, etc as per paragraph 12 to 13).
- b. Optional items (as per paragraph 14) (as selected by BN).
- c. Special tools and Spare parts (as per paragraph 15 and 16).
- d. Documents and certificates (as per paragraph 17 and 18).
- e. Test, trial and acceptance (as per paragraph 19).
- f. Warranty (as per paragraph 20).
- g. Any other issue relevant (if any).

12. **Technical Specification.**

1.	Type	Hand operated high pressure pump
2.	Model	To be mentioned
3.	Maker	To be mentioned
4.	Maximum Capacity	Not less than 300 MPa
5.	Oil reservoir capacity	Not less than 1.6 liters
6.	High pressure hose	02 Mtr
7.	Pressure gauge with protection sleeve	To be mentioned
8.	Hose connection and threads	G1/4 female to pump, M16X1.5 male thread with special sealing design to attach to the quick connection coupling
9.	Hose Connection Accessories	(a) 01 X Quick connection coupling, M16x1.5 cone female, 300 MPa (b) 01 X Quick connection Nipple, M16x1.5 cone female, 300 MPa (c) 01 X Connection nipple M16 (m) - G1/4 (m) (d) 01 X Connection nipple M16 (m) - G3/4 (m) (e) 06 X THPN M16G1/8 Connection nipple M16 (m) - G1/8 (m), 300 MPa (f) 06 X THPN M16G3/8 Connection nipple M16 (m) - G3/8 (m), 300 MPa (g) 10 X THPN M16G1/2 Connection nipple M16 (m) - G1/2 (m), 300 MPa (h) 10 X Quick connection Nipple, M16x1.5 cone female, 300 MPa (j) 10 X Quick connection coupling, M16x1.5 cone female, 300 MPa (k) 06 X THPN FM16G3/4- Nipple G3/4 male and 06 X M16x1.5 cone female, 400 MPa (l) 06 X THPN M16G3/4- Nipple G3/4 male and 06 X M16x1.5 cone female, 400 MPa
10.	Mounting fluid	To be mentioned
11.	Dimensions	To be mentioned
12.	Weight	To be mentioned



13. **Standard Accessories.** Standard accessories must include all items and accessories, which are essential to operate the Hydraulic Hand Pump, whether those are mentioned in this specification or not. A list of such items/accessories to be mentioned with the quotation. The accessories should be supplied **free of additional cost.**

14. **Optional Items.** A list of optional items which may be required for Hydraulic Hand Pump is to be provided with item wise price. The price will **not be added to the total price** while evaluating the comparative price of the bidders.

15. **Special Tools.** 01 (One) set of special tools (if required) for carrying out maintenance of Hydraulic Hand Pump is to be supplied **free of additional cost.**

16. **Spare Parts.** A recommended list of spare parts required for the Hydraulic Hand Pump for 05 years running is to be provided with the quotation indicating item wise price. The prices will be added with total price while evaluating the comparative price of the suppliers. The list should include the following:

Ser	Description	Deno	Qty
1.	Mounting fluid	Ltr	05
2.	High pressure hose	Piece	02 piece (each of 03 meters)

17. **Documents.** 02 (Two) sets of following documents in English language are to be supplied with the pump:

- Instruction manual including technical specification, installation, operation and maintenance.
- Spare parts catalogue and its components.
- Factory test certificate/performance certificate.

18. **Quality Assurance Certificate.** Quality assurance certificate in respect of the associated equipment in regards to its manufacturing and performance is to be provided at the time of delivery of the item.

19. **Test, Trial and Acceptance.** Test and trial for the Hydraulic Hand Pump will be carried out by the buyer in presence of the supplier's representative. After satisfactory test and trial, an acceptance certificate will be signed jointly by the supplier's representative and the representative of buyer.

20. **Warranty.** Warranty for trouble free operation is to be given by the principal/ manufacture for a period at least 12 months from the date of acceptance by the buyer. During the warranty period, if the equipment remains non-operational for any action pending by the supplier, the warranty period will be extended for the same period. The warranty covers all parts and labor (including service engineer's cost) throughout the warranty period.

21. **Shipment.**

- The supplier will arrange shipment of all items to any sea/air port of Bangladesh.
- All items are to be delivered in sea-worthy packing to ensure safe transportation by sea/air.
- All packages are to have packing notes showing their contents in details and shall be marked with the name and address of the consignee and gross weight.
- The supplier will arrange transportation of all supplied items from respective sea/air port to NSD Chattogram.
- Port of Shipment.** Any port of the manufacturing country. In case of shipment through any port of manufacturer's authorized dealer, relevant manufacturer's certificate is to be provided as a proof of genuineness of the offered item



22. **Delivery.** The items are to be delivered within **03 (Three) months** of signing the contract to the following address:

The Commanding Officer  
Naval Stores Depot Chattogram  
New Mooring, Chattogram, Bangladesh

23. **Terms of Payment.** 100% of Total Contract Price (TCP) will be paid in local currency as per existing rules after satisfactory test/ trial and acceptance by BN.

24. **Price.** Price is to be quoted without import duties.


25. **Validity of offer.** The offer should remain valid till **03 (Three) months** from the date of tender opening.


26. **Condition for Acceptance of Quotation.** Quotation has to have supporting documents (booklets, leaflet, catalogue, brochure etc) having detailed particulars of the offered Hydraulic Hand Pump If detailed information regarding specifications, maker's books and catalogues, spare parts, accessories, scope of supply, authentication certificate etc are not provided, the quotation will not be accepted.

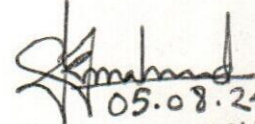
27. **Compliance Statement.** A compliance statement fulfilling all the requirement of the tender is to be submitted with the offer for evaluation of the quotations. Merely stating 'Yes' or 'No' will not suffice, rather detailed description/information as required are to be provided. An incomplete compliance statement may contribute to the cancellation of the offer. If any clause of this specification does not commensurate with the offered Hydraulic Hand Pump, the deviation has to be spelt out clearly.

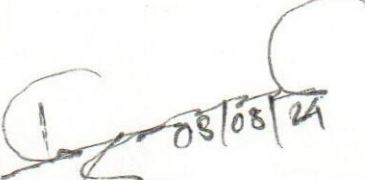
**Enclosure:**

1. Figure of sample Hydraulic Hand Pump - 01 (One) page.

  
04/08/2024  
**MALANGIR HOSSAIN**  
Commanding Officer  
Deputy Director of Naval Engineering (C)  
Naval Headquarters  
Banani, Dhaka-1213

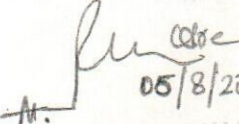
  
**MSARWAR HABIB**  
Lt Commander BN  
Staff Officer (NS-2)  
Naval Headquarters  
Banani, Dhaka-1213

  
05.08.24  
**KAISER MAHMUD**  
Lt Commander BN  
Staff Officer (Plans-II)  
Naval Headquarters  
Banani, Dhaka-1213

  
08/08/24  
**DNAT&S**  
Member  
Date:  
**A.K.M. IBRAHIM HOSSAIN**  
Captain BN Supply  
Director of Naval Armament  
Inspection and Supply  
NHQ, Banani, Dhaka-1213

  
**M. IQBAL**  
Captain BN  
Director of Naval Armaments & Tech  
Naval Headquarters  
Banani, Dhaka-1213

  
**A.H.M. RAFIQUUL ISLAM**  
Commanding Officer BN  
Director of Naval Engineering  
Naval Headquarters  
Banani, Dhaka-1213  
Date: 06.08.24

  
05/8/2024  
**M. RUHUL MINHA**  
Commanding Officer BN  
Director of Naval Weapons  
Director of Naval Engineering  
NHQ, Banani, Dhaka-1213  
Date:

SAMPLE HYDRAULIC HAND PUMP

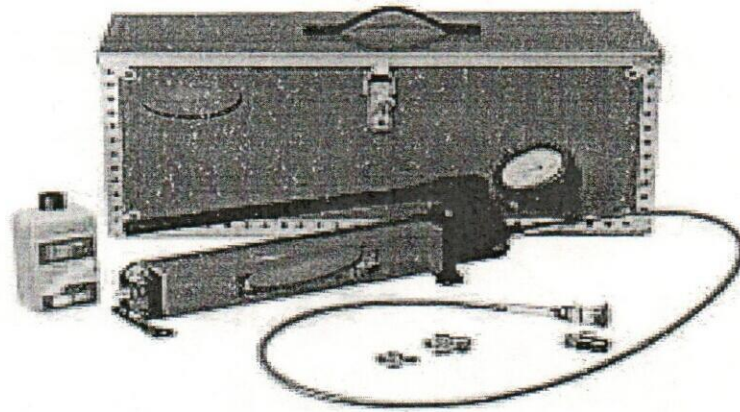


Fig: HYDRAULIC HAND PUMP (CAPACITY: 300 MPa)  
(Not for reference, for general idea only)

