

## TENDER SPECIFICATION OF HOT OIL BATH (CAPACITY: 1200 LTR)

1. **Name of the Equipment** Hot Oil Bath (Capacity: 1200 ltr).
2. **Purpose.** The Hot Oil Bath will be used to heating engine parts as required to assemble various types of bearing, sleeve and to analyze chemical reactions.
3. **Quantity.** 01 (One) in number complete set.
4. **Manufacturer, Principal Supplier & Local Supplier.** Name and full address to be mentioned.

a.	Manufacturer	To be mentioned
b.	Principal Supplier	To be mentioned
c.	Local Supplier	To be mentioned

5. **Year of Manufacture.** 2024 or later. The item should be brand new and original.
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 original certificate(s)/ document(s) with the offer/quotation as regard to the genuinity 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 certificate/ 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 Hot Oil Bath should be designed and constructed fulfilling the requirements of international standard. The standard to which the quoted machine complies with is to be specified in details (ISO or similar).

10. **Ambient Condition.**

a.	Air temperature	+5°C to +45°C.
b.	Relative humidity	Up to 95% (Non Condensing)
c.	Location	Close to the Sea Shore

11. **Scope of Supply.** The scope of supply is to include the followings:

- a. Main items (01 x Hot Oil Bath) complete set with all items necessary for immediate operation without the requirement of any other items (attachments, features, safety devices and accessories) (as per paragraph 12 to 14).
- b. Optional items (as per paragraph 15).
- c. Tools (as per paragraph 16)



- d. Spare parts (as per paragraph 17).
- e. Documents (Instruction, Operation, Maintenance Manual, Spare Parts Catalogue, Certificates, etc; as applicable) (as per paragraph 18 and 19).
- f. Installation, Test, Trial & Acceptance and Training (as per paragraph 20, 21 and 22).
- g. Warranty (as per paragraph 23).
- h. Any other issue relevant.

12. **Technical Specification.**

1.	Type	Hot Oil Bath	
2.	Model	To be mentioned	
3.	Maker	To be mentioned	
4.	Capacity	1200 ltrs (minimum)	
5.	Tank Inner Dimensions	Length	05 Feet (minimum)
		Width	03 Feet (minimum)
		Depth	03 Feet (minimum)
6.	Power Supply	400 V, 50 Hz, Three phase	
7.	Timer Setting	To be mentioned	
8.	Material	High quality stainless steel	
9.	Heating element	To be mentioned	
10.	Power	To be mentioned	
11.	Frequency	To be mentioned	
12.	Display	To be mentioned	

13. **Cable.** Required electric cables are to be supplied with the main equipment during installation without additional cost.

14. **Standard Accessories.** Standard accessories must include all items and accessories, which are essential to operate the Hot Oil Bath, 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 cost.

15. **Optional Items.** A list of optional items which may be required for the Hot Oil Bath is to be provided. The price will not be added to the total price while evaluating the comparative price of the bidders.

16. **Special Tools.** 01 (One) set of special tools (if required) for carrying out maintenance of Hot Oil Bath is to be supplied free of additional cost.

17. **Spare Parts.** A recommended list of spare parts required for the Hot Oil Bath for 05 years running is to be provided with the quotation indicating item wise price (price to be included in the total price).

18. **Documents.** 02 (Two) sets of following documents in English are to be provided with the Hot Oil Bath:

- a. Instruction manual including technical specification, installation, operation and maintenance.
- b. Workshop level repair manual and its component.
- c. All drawings including general arrangement drawing.
- d. Electrical diagram, fault finding flow chart etc.
- e. Spare parts catalogue and its components.
- f. Factory test certificate/performance certificate.



19. **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.
20. **Installation.** The item will be installed at BN Dockyard (ICE shop) by the supplier in presence of the representative of the buyer. However, all necessary installation materials are to be supplied with the complete set.
21. **Test, Trial and Acceptance.** Test and trial will be carried out by the purchaser in presence of supplier's representative and if found satisfactory, a test/ trial certificate will be signed jointly by the representative of supplier and the representative of buyer and to be forwarded to Chief Inspector of Naval Stores (CINS) office.
22. **Training.** The manufacturer's/supplier's installation engineer will provide operation and maintenance training in Bangladesh to 05 (Five) operators for 01 (One) day after test, trial and commissioning of the Hot Oil Bath. Cost of training is to be borne by the supplier.
23. **Warranty.** Warranty for trouble free operation is to be provided by the supplier/ manufacturer for all the supplied items, for a period of 12 months from the date of acceptance by the buyer. During the warranty period, if the Hot Oil Bath 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 labour (including service engineer's cost) throughout the warranty period. For warranty repair/ replacement, the supplier will collect the defective item from NSD Chattogram/NSSD Dhaka (as applicable) and re-supply the same to collecting place after warranty repair or replacement.
24. **Shipment.**
- The supplier will arrange shipment of all items by 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 detail and all packages 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 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.
25. **Delivery.** The items are to be delivered within **03 (Three) months** from the date of signing the contract to the following **consignee**:
- The Commanding Officer  
Naval Stores Depot Chittagong  
New Mooring, Chittagong, Bangladesh
26. **Validity of Offer.** The offer should remain valid till **03 (Three) months** from the date of tender opening.
27. **Price.** Price is to be quoted without import duties.
28. **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.

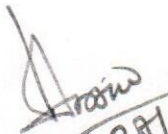


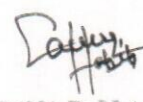
29. Condition for Acceptance of Quotation. Quotation has to have supporting documents (booklets, leaflet, catalogue, brochure etc) having detail particulars of the offered Hot Oil Bath. If detail information regarding specifications, maker's books and catalogue about the Hot Oil Bath, spare parts, accessories, scope of supply, etc are not provided, the quotation will not be accepted.

30. 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 is not commensurate with the offered Hot Oil Bath, the deviation has to be spelt out clearly.


Enclosure:


- 1. Figure of sample Hot Oil Bath - 01 (One) page.


  
28/07/2024  
**MALANGIR HOSSAIN**  
Commander BN  
Deputy Director of Naval Engineering (C)  
Naval Headquarters  
Banani, Dhaka-1213

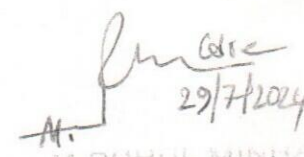
  
**M SARWAR HABIB**  
Lt Commander BN  
Staff Officer (NS-2)  
Naval Headquarters  
Banani, Dhaka-1213  
DNS (Rep)  
Member  
Date:

  
27.07.24  
**KAISER MAHMUD**  
Lt Commander BN  
Staff Officer (Plans-II)  
Naval Headquarters  
Banani, Dhaka-1213  
DNS (Rep)  
Member  
Date:

  
28/07/24  
**A.K.M. IKRAMUL HOSSAIN**  
Captain BN  
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NHQ, Banani, Dhaka-1213  
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Member  
Date:

  
28/7/24  
**M IQBAL**  
Captain BN  
Director of Naval Info & Tech  
Naval Headquarters  
Banani, Dhaka-1213  
DNS  
Member  
Date:

  
**A H M RAFIQUUL ISLAM**  
Commodore BN  
Director of Naval Engineering  
Naval Headquarters  
Banani, Dhaka-1213  
Member  
Date: 28.7.24

  
29/7/2024  
**M RUHUL MINHAZ**  
Commodore BN  
Director of Naval Weapons  
& Electrical Engineering  
Naval Headquarters  
Banani, Dhaka-1213  
DNW&EE  
President  
Date:

SAMPLE HOT OIL BATH

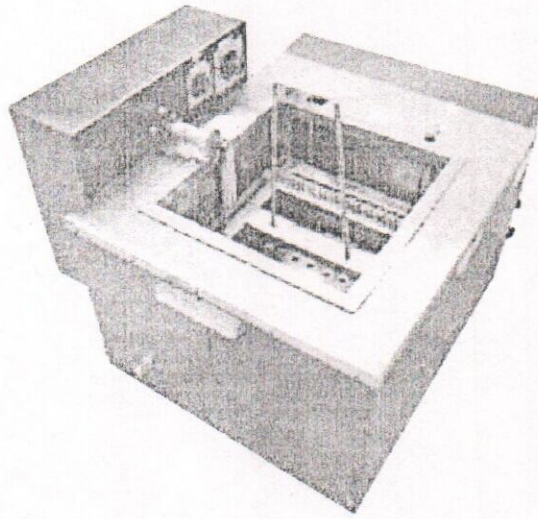


Fig: Hot Oil Bath  
(Not as reference, for general idea only)

