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TENDER SPECIFICATION OF PORTABLE DIESEL PUMP

1. **Name of the Equipment.** Portable Diesel Pump (Capacity: 50 ton/hr).
2. **Purpose.** The item will be used for base fire fighting. Source of water will be from canals inside the base.
3. **Quantity.** 01(One) in number complete set.
4. **Manufacturer, Principal Supplier & Local Agent.** Name and full address to be mentioned.

a.	Manufacturer	To be mentioned
b.	Principle Supplier	To be mentioned
c.	Local Agent	To be mentioned

5. **Year of Manufacture.** 2025 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 agent must provide following certificate(s)/ document(s) with the offer/quotation of the item as regard to the genuineness of source and item(s) in order to establish chain of links from the original source to supply items:
 - 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).
9. **Standard.** The Portable Diesel Pump is to be designed and constructed fulfilling the requirement of international standard. The standard to which the quoted Portable Diesel Pump complies with is to be specified (class certificate, ISO etc), with necessary documents.
10. **Ambient Condition.** The pump will be used in the corrosive environment having the following particulars:

a.	Air temperature	05°C to 50°C.
b.	Relative Humidity	Up to 95% (non-condensing)
c.	Sea water temperature	05°C to 35°C.
d.	Water condition	Saline and Muddy.

11. **Scope of Supply.** The scope of supply includes the followings:
 - a. Main item (01 x Portable Diesel Pump) complete with all items necessary for immediate operation without the requirement of any other items (standard fittings/attachments, accessories, etc as per paragraph 12).
 - b. Standard accessories (as per paragraph 13).
 - c. Optional Items (as per paragraph 14).
 - d. Tools (as per paragraph 15).
 - e. Spare parts (as per paragraph 16) (as selected by BN).

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- f. Documents and Certificates (as per paragraph 17 and 18).
- g. Test, Trial and acceptance (as per paragraph 19).
- h. Warranty (as per paragraph 20).
- j. Any other issue relevant (if any).

12. Technical Specificationa. General.

Ser	Parameter	Description
(1)	Brand	To be mentioned
(2)	Model	To be mentioned
(3)	Overall Dimension (LxBxH)	To be mentioned
(4)	Overall Weight	Max.150 kg (lightweight preferred)

b. Pump

Ser	Parameter	Description
(1)	Manufacturer	To be mentioned
(2)	Type	Centrifugal, Self-Priming
(3)	Max. Capacity (l/m)	Min 50 ton/hr at 40m
(4)	Maximum Discharge	834 ltr/min (50 ton/hr)
(5)	Suction Head	Not less than 7.5m
(6)	Discharge Head	Not less than 32.5 m
(7)	Total Head	40 m
(8)	Suction and discharge port	6" - 3" (152-76.2 mm)
(9)	Drive	Diesel Engine
(10)	Impeller Material	Bronze/SS/Chromium alloy steel
(11)	Pump Casing	Bronze/SS/Chromium alloy steel
(12)	Impeller Construction	Impeller to feature a double seal ring design to minimize end thrust
(13)	Shaft Material	Stainless Steel/ Forged steel
(14)	Impeller Shaft Construction	Splined tooth (SAE 10)
(15)	Mechanical Seal Material	Mechanical
(16)	Mechanical Seal Construction	With welded springs
(17)	Primer Performance	The pump primer shall be U. L approved and capable of pulling a vacuum through 20 ft. of hard suction hose with lifts to 10 ft. per requirements of NFPA 1901
(18)	Suction and discharge hose diameter	As per suction and discharge port.
(19)	Discharge hose type	Rubber/ five/ nylon
(20)	Suction hose type	Hard plastic type
(21)	Quantity of hose	
	(a) suction hose	10 m
	(b) discharge hose	30 m
	(c) Nozzle	brass
	(d) Strainer	01 for suction
	(e) Non return valve	01
(22)	Lifting facility	To be mentioned



c. Engine

Ser	Parameter	Description
(1)	Manufacturer	To be mentioned
(2)	Brand	To be mentioned
(3)	Model	To be mentioned
(4)	Country of Manufacturer	To be mentioned
(5)	Power Output (HP)	Should meet the capacity require of the pump
(6)	Maximum RPM	Not less than 3200
(7)	Fuel Tank Capacity	To be mentioned
(8)	Fuel Type	HSD
(9)	Fuel Injection Type	Injector
(10)	Lubrication System	To be mentioned
(11)	Starting System	Both 12V Electric and Pull Start
(12)	Battery Charging System	Alternator

d. **Overall Dimension.** To be mentioned. (Compact size is preferable).

e. **Overall Weight.** To be mentioned. (Light weight is preferable for easy of transportation by 2 persons).

f. **Mounting.** The prime mover and the pump should be mounted on a single base frame with resilient mountings. The complete unit should be easily portable.

13. **Standard Accessories and Attachments.** Standard accessories must include all items and accessories essential to operating the Portable Diesel Pump, whether mentioned in the specification or not. The price of standard accessories is to be included in the FOB value. However, an itemised price list of standard accessories is to be provided with the offer for reference value only.

14. **Optional Items.** The quotation should include a list of optional items (if any) required to operate the Portable Diesel Pump. When evaluating the comparative prices of the suppliers, only the prices of selected items by BN will be added to the total price.

15. **Tools.** 1 (one) set of standard tools for maintenance of the Portable Diesel Pump is to be provided. The price of standard accessories is to be included in the FOB value. However, an itemised price list of standard tools is to be provided with the offer for reference value only.

16. **Spare Parts.** A recommended list of spare parts required for 5 (five) years of satisfactory operation must be provided, indicating the itemised price. Only the prices of selected items by BN will not be added to the total price while evaluating the comparative price of the suppliers. The list must include the following:

S. No	Description	Deno	Qty
a.	Air Filter	No	02
b.	Fuel Filter	No	02
c.	Mechanical seal (for pump)	No	02

17. **Documents.** 01 (One) set of following documents in English language are to be supplied with the pump:

- a. Instruction Manual Including Technical Specification, Installation, Operation and Maintenance.
- b. Spare Parts Catalogue and its Components.
- c. Factory Test Certificate/Performance Certificate.

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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 items.

19. **Test, trial and Acceptance.** Test and trial for the Portable Diesel 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.**

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

22. **Delivery.**

- a. The items are to be delivered within **9 (Nine) months** from the date of signing the contract to the following consignee:

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

- b. **Place of Delivery.** NSD Chattogram.
- c. The supplier will carry the items from Chittagong Port to NSD Chattogram at the cost and risk of the supplier.

23. **Validity of Offer.** The offer should remain valid till **180 days** from the date of tender opening.

24. **Currency.** Foreign Currency.

25. **Terms of Payment.** L/C for full purchase amount will be opened in favour of the principal supplier under the following payment terms:

- a. 80% of the total CFR value will be paid on delivery of the items described under the scope of supply and on production of necessary shipping documents.
- b. The remaining 20% of the CFR value will be paid upon producing an 'Acceptance Certificate' after a satisfactory test and trial jointly carried out by the buyer's and supplier's representatives.

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26. **Condition for Acceptance of Quotation.** Quotation has to have supporting documents (booklets, leaflet, catalogue, brochure etc) having detailed particulars of the offered Portable Diesel 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 for evaluation of the quotations. Stating mere '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. If any clause of this specification does not commensurate with the offered Portable Diesel Pump, the deviation has to be spelt out clearly.

