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TENDER SPECIFICATION OF PORTABLE DIESEL PUMP

1. **Name of the Equipment.** Portable Diesel Pump (Capacity: 30 ton/hr).
2. **Purpose.** Portable diesel pumps are used for dewatering and water transfer in saline and muddy conditions, including marine and coastal applications.
3. **Quantity.** 08 (Eight) 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 items (08 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).



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- 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).
- 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 Specification**

a. **Pump.**

1.	Type	Portable Centrifugal Self Priming pump.
2.	Brand	To be mentioned
3.	Model	To be mentioned
4.	Maker	To be mentioned
5.	Capacity	Minimum 30 ton/hr at total head 25m.
6.	Maximum Discharge	500Ltr/Min (30 ton/hr)
7.	Total Head	25 m
8.	Suction head	7.5 m
9.	Discharge head	17.5 m
10.	Suction port diameter	2 inch-3 inch (50.8-76.2 mm)
11.	Discharge port diameter	2 inch-3 inch (50.8-76.2 mm)
12.	Discharge pressure	Minimum 2.0 bar at discharge head (17.5 m)
13.	Drive	Diesel/petrol engine driven
14.	Sealing system	Mechanical
15.	Dry Weight	40-50 kg
16.	Coupling	Direct/ Flange/ Flexible (To be mentioned)
17.	<u>Material of the Pump Components.</u>	
	(a) Casing	Bronze/Stainless steel/ Anticorrosive Material
	(b) Impeller	Bronze/ Stainless steel/ Chromium Alloy steel/ Anticorrosive Material
	(c) Shaft	Stainless Steel/Forged Steel
	(d) Strainer	Stainless steel/ Anticorrosive Aluminum Alloy
	(e) Suction/discharge hose material	To be mentioned
	(f) Non return valve	01 in no metallic (brass or stainless steel) non-return valve to be provided
	(g) Hose	10 m appropriate suction hose with suction foot valve and necessary male/female coupling to be provided for each pump. 30m flexible discharge hose in three pieces (10m each) with male/female coupling, diameter as per discharge port.



b. **Prime Mover (Engine).**

1.	Type	4 stroke, direct injection, air-cooled Diesel engine
2.	Brand	To be mentioned
3.	Model	To be mentioned
4.	Maker	To be mentioned
5.	Fuel Type	High-Speed Diesel (HSD)
6.	Rated Power	To be mentioned
7.	Number of cylinder	To be mentioned
8.	Power (kW) - at Maximum Continuous Rating (MCR)	To be mentioned.
9.	R P M	Not less than 3000
10.	Lube oil	SAE 15W40/SR-30/equivalent
11.	Fuel oil tank capacity	To be mentioned
12.	Starting system	Both battery 12v electric and pull start

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

d. **Overall Weight.** Not more than 60 kg (Light weight is preferable for easy of transportation by 2 persons)

e. **Mounting.** The engine and the pump should be mounted on a single base frame with resilient mountings. The complete unit should be easily portable. Base frame to be 2" cleared from the ground.

13. **Standard Accessories.** Standard accessories must include all items and accessories essential to operate each Portable Diesel Pump (including two pressure gauges, one for suction side and one for discharge side), whether mentioned in the specification or not. The price of standard accessories is to be included in the FOB value. However, an itemized price list of standard accessories are 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 each 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 each Portable Diesel Pump are to be provided. The price of standard tools will be included in the FOB value. However, itemised price lists of standard tools are to be provided with the offer for reference value only.

16. **Spare Parts.** A recommended list of spare parts required for maintaining each Portable Diesel Pump are to be submitted with the quotation indicating the itemised price. That price will be added to the total price while evaluating the comparative price of the suppliers.

S.No	Description	Deno	Qty
a.	Air Filter	No	01
b.	Fuel Filter	No	01
c.	Mechanical seal (for pump)	No	01

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

- a. Instruction Manual Including Technical Specification, Installation, Operation and Maintenance.
- b. Spare Parts Catalogue and its Components.
- c. 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 items.

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

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

- a. 80% of the total LC value will be paid on delivery of the goods described under the scope of supply and on production of necessary shipping documents.
- b. The remaining 20% of the LC 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.

25. **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.

26. **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.

