

TENDER SPECIFICATION OF PORTABLE DUST COLLECTOR MACHINE

1. **Name of the Equipment.** Portable dust collector machine.
2. **Purpose.** It will be used for collecting dust/sand residue from large and dusty working area (workshops) and ventilation of a blast chamber. The equipment will ensure a clean sight and optimal working condition for operator.
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.	Principle Supplier	To be mentioned
c.	Local Supplier	To be mentioned

5. **Country of Origin.** USA, UK, EU Countries, Canada, Japan, Australia, South Korea, China, Turkey and New Zealand.
6. **Manufacturing Country.** USA, UK, EU Countries, Canada, Japan, Australia, South Korea, China, Turkey and New Zealand.
7. **Year of Manufacture.** 2022 or later.
8. **Certificate/Document of Authentication.** The local supplier must provide following certificate(s)/ document(s) with the offer/quotation of items as regard to the genuinity 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 dust collector machine is to be designed and constructed fulfilling the requirement of International standard. The standard to which the quoted Portable dust collector machine complies with is to be specified (class certificate, ISO etc).
10. **Ambient Condition.**

a.	Air temperature	+10°C to +45°C.
b.	Relative humidity	Up to 95%.
c.	Location	Close to the sea shore

11. **Scope of Supply.** The scope of supply is to include the followings:
 - a. Main item (01 x Portable dust collector machine) 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 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 and maintenance manual, spare parts catalogue, certificates, Installation instruction, drawings etc, as applicable) (as per paragraph 18 and 19).



- f. Test/Trial, Acceptance and Training (as per paragraph 20 and 21).
- g. Warranty and Guarantee (as per paragraph 22 and 23).

12. **Technical Specification.**

a.	Type	Portable Dust Collector
b.	Model	To be mentioned
c.	Maker	To be mentioned
d.	Area of application (Approx: 60 square meter)	To be mentioned
e.	Power consumption	15-30 kW (To be mentioned)
f.	Capacity:	
	(1) Filter area	Minimum 150m ² area per hour
	(2) Ventilator performance	10000-20000 m ³ /hr (To be mentioned)
g.	Dust category	M (Silica/sand)
h.	Fan type and model	To be mentioned
j.	Suction hose length	To be mentioned
k.	Dust emission	To be less than 3mg/m ³ after the cleaning process
l.	No of filter unit and size	To be mentioned
m.	Filter material (antistatic polyester cartridges)	Details To be mentioned
n.	Dimension (LxWxH)	To be mentioned
p.	Weight	To be mentioned
q.	Input power	220V, Single Phase, 50Hz/ 415V, 3Phase, 50Hz. The motor should have the tolerance of $\pm 5\%$ voltage fluctuation

13. **Cable.** Minimum 100 meter electric cable (Compatible with the design load of the Portable dust collector machine) is to be provided to connect with the main switch board.

14. **Standard Accessories.** Standard accessories must include all items and accessories, which are essential to operate the Portable dust collector machine, whether those are mentioned in this specification or not. A list of following items/ accessories indicating item wise price must be included in the quotation (price included in the Total Price):

Ser.	Description	Qty
a.	Suction hose	05 meter
b.	Filter Unit	01 set

15. **Optional Items.** A list of optional items which may be required for Portable dust collector machine is to be provided (price not included in the total price).

16. **Tools.** One (01) set of standard tools for maintenance of the Portable dust collector machine is to be provided indicating item wise price. Quantity and specification of the tools are to be mentioned in details in the quotation (price included in the total price).

17. **Spare Parts.** A recommended list of spare parts required for 05 (five) Year satisfactory operation of Portable dust collector machine is to be provided indicating item wise price (price not included in the Total Price). The list must include followings:

Ser	Description	Qty
a.	Motor	02
b.	Damping spring	08
c.	Screen box	04

18. **Documents.** 02 (Two) sets of following documents in English language are to be supplied free of cost with the equipment (One set to be supplied with the offer):

- a. Instruction manual including technical specification, operation maintenance and workshop manual.
- b. Spare parts catalogue
- c. Circuit diagram etc (If any)
- d. Factory test certificate/Performance test 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 items.

20. **Test, Trial and Acceptance.** Test and trial will be carried out by the purchaser in presence of supplier's representative and if test/trial is found satisfactory, acceptance 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.

21. **Training.** Operator training and component level repair/maintenance training are to be carried out by the suppliers' instructor for 02 working days at the working site (workshop/dock bed).

22. **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 Portable dust collector machine 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. 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.

23. **Guarantee.** The Principal/ Manufacturer will guarantee to supply the spares for at least 05 years with reasonable price. Yearly increase of price of spares should not be more than 5% of the price list for spares to be supplied with the quotation.

24. **Shipment.**

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



25. Delivery. The items are to be delivered within 04 (Four) months of signing the contract to the following address:

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

26. Validity of offer. The offer should remain valid till 03 (three) months from the date of tender opening.


27. Price. If the item is imported against this order, price 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.

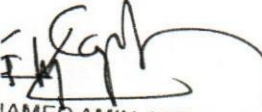
29. Condition for Acceptance of Quotation. Quotation has to have supporting documents (booklets, leaflet, catalogue, brochure etc) having detailed particulars of the offered Portable dust collector machine. If detailed information regarding specifications, maker's books and catalogue about the same model of the Portable dust collector machine quoted, 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 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 offered Portable dust collector machine the deviation has to be spelt out clearly



28/02/2023
M ALAMGIR HOSSAIN
Commander BN
Deputy Director of Naval Engineering (C)
Naval Headquarters
Banani, Dhaka-1213
Member/ Secy
Date:

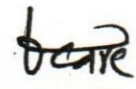

DNS (Rep)
S M MIRAN
Lt Commander BN
Staff Officer (NS-1)
Naval Headquarters
Banani, Dhaka-1213
Member
Date:


MD. ASIB RAIHAN
Lt Commander BN
Staff Officer (Plans-II)
Naval Headquarters
Banani, Dhaka-1213
DNR (Rep)
Member
Date: 1-03-23


IAMED AMIN ABDULLAH
Captain BN
Director of Naval Armament
Section and Supply
NHQ, Banani, Dhaka-1213
DNARS
Member
Date: 05/03/23


DNIT
M ABDULLATIF
Commodore BN
Director of Naval Weapons
and Electrical Engineering
NHQ, Banani, Dhaka-1213
Member
Date: 06-03-23


28/2/2023
DNE
Member
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DNW&EE
President
M ABDULLATIF
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NHQ, Banani, Dhaka-1213
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