

## TENDER SPECIFICATION OF NONSKID PAINTING MACHINE

1. **Name of the Equipment.** Nonskid Painting Machine.
2. **Purpose.** It will be used for applying non-skid deck paint on decks of Bangladesh Navy Ships.
3. **Quantity.** 01 (One) in number.
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. **Year of the Manufacture.** 2023 or later.
6. **Country of Origin.** USA, UK, EU Countries, Canada, Japan, Australia, New Zealand, South Korea, Turkey, China and India.
7. **Manufacturing Country.** USA, UK, EU Countries, Canada, Japan, Australia, New Zealand, South Korea, Turkey, China and India.
8. **Certificate/Document of Authentication.** The local supplier must provide following original certificate(s)/ document(s) with the offer/quotation of items as regards to the genuinity of source and item(s) in order to establish chain of links from the original source to supplied items:

- a. One certificate/ document by the manufacturer in favor of the supplied (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 Nonskid Painting Machine is to be designed and constructed fulfilling the requirements of international standard. The standard to which the quoted High Pressure nonskid painting machine complies with is to be specified in details.

10. **Operating Environment of equipment.**

a.	Temperature	05°C ~ 50°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 Nonskid Painting Machine) complete with all items necessary for immediate operation without the requirement of any other items (attachments, accessories, etc) (as per paragraph 12 to 15).
- b. Optional items and tools (as per paragraph 16 and 17).
- c. Spare parts (as per paragraph 18).
- d. Documents (Instruction manual for installation, operation, maintenance and workshop manual, spare parts catalogue, certificates etc, as applicable) (as per paragraph 19 and 20).





- e. Test/ Trial, and Acceptance and Training (as per paragraph 21 and 22).
- f. Warranty and Guarantee (as per paragraph 23 and 24).
- g. Any other issue relevant (if any).

12. **Technical Specification.**

a.	Type	Electric
b.	Model	To be mentioned
c.	Maker	To be mentioned
d.	Working Pressure	290 - 580 psi
e.	Maximum Pressure	600-700 psi
f.	Maximum Particle Size	(5-7) mm
g.	Maximum Flow Rate	(12-14) gpm
h.	Weight(dry)	90-95 Kg or To be mentioned
j.	Wetted Parts	Ferrous & Non Ferrous
k.	Power Input Source	220V AC, single phase, 50Hz
l.	Minimum Hose Length	(7.6-8.0) m
m.	Maximum Hose Length	(31-33) m
n.	Pumping Pressure (Approximate)	100 PSI
o.	Motor Power	To be mentioned
p.	Compressor Air Output	To be mentioned
q.	Dimensions	To be mentioned
r.	Materials Sprayed	Elastomeric, deck coatings and some cement-based materials
s.	Surface	To be painted
t.	Commonly used materials	Anti-Skid Deck Coatings

13. **Cable (if Required).** Minimum 30 meter electric cable (Compatible with the design load of the Non Skid Painting Machine (Texture Sprayer, RTX-5500PX) is to be provided to connect with the main switch board.

14. **Safety Devices.** To be mentioned.

15. **Standard Accessories.** Standard accessories must include all items and accessories which are essential to operate the Non Skid Painting Machine, whether those are mentioned in this specification or not. A list of essential accessories indicating item wise price (including following) must be included in the quotation (Price should be included in total price).

Ser	Description
a.	Gun - Heavy-Duty Air Spray Trigger (Hopper Gun) Use with aggregates.
b.	Hose Length - 1 in x 25 ft (25.4 mm x 7.5 m).
c.	Tips- 3 mm, 4 mm, 6 mm, 8 mm, 10 mm, 12mm Round Nozzle

16. **Optional Items.** A list of optional items (if any) which may be required of the Non Skid Painting Machine is to be provided. (Price not included in the Total Price).

17. **Tools.** 01 (one) set of standard tools for maintenance of the Non Skid Painting Machine is to be provided indicating item wise price. Quantity and size of these tools are to be mentioned in the quotation (Price included in the Total Price).





18. **Spare Parts.** A recommended list of spare parts required for 05 (five) years satisfactory operation of the Non Skid Painting Machine is to be provided indicating item wise price. (Price not included in the Total Price).

Ser	Description	Qty
a.	Gun	02
b.	Hose (1 in x 25 ft (25.4 mm x 7.5 m)	02
c.	Hose Length	02
d.	Tips (6 mm,8 mm,10 mm)	06
e.	RotoFlex HD pump Hose	04
f.	Belt Synchronous	04

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

- a. Operation and Maintenance manual.
- b. Parts catalogue.
- c. Performance/ test certificate.

20. **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.

21. **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, 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.

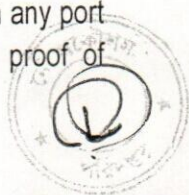
22. **Training.** An operator and component level repair and maintainer training is to be carried out by the supplier's nominated quality instructor for 01 days for 05 (Five) BN Personnel in the installation site where the equipment will be installed.

23. **Warranty.** Warranty for trouble free operation is to be given 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 Nonskid Painting 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 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 for replacement.

24. **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.

25. **Shipment.**

- a. The supplier will arrange shipment of all items by sea to Chittagong sea port, Bangladesh.
- b. All items are to be delivered in sea-worthy packing to ensure safe transportation by sea.
- c. All packages should have packing notes showing their contents in details and marked with the name and address of the consignee with gross weight.
- d. The supplier will arrange transportation of all supplied items from Chittagong port to the Naval Stores Depot, Chittagong.
- 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.





26. **Delivery.**

a. 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 Chattogram  
New Mooring, Chattogram, Bangladesh

b. **Place of delivery.** NSD Chattogram.

27. **Validity of Offer.** The offer should remain valid till **120 days** from the date of tender opening.

28. **Price (Import Duties).** If the item is imported against this order, price to be quoted without import duties.

29. **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.

30. **Condition for Acceptance of Quotation.** Quotation has to have supporting documents (booklets, leaflet, catalogue, brochure etc) having detailed particulars of the offered Nonskid Painting Machine. If detailed information regarding specifications, maker's books and catalogue about the same model of nonskid painting machine quoted, spare parts, accessories, scope of supply, etc are not provided, the quotation will not be accepted.

31. **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 Nonskid Painting Machine, the deviation has to be spelt out clearly.



RAFIQUL ISLAM  
Commander BN  
Deputy Director (Repair)  
Directorate of Naval Engineering  
Naval Headquarters  
Banani, Dhaka-1213


Member/Secy

Date:



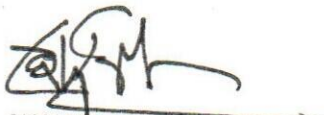
M SARWAR HABIB  
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KAISER MAHMUD  
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25/01/24



M IQBAL  
Captain BN  
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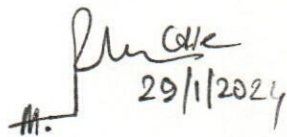


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