



KHULNA SHIPYARD LIMITED

BANGLADESH NAVY, KHULNA.

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FAX : 880-41-720404 E-mail : contact@khulnashipyard.com

BABE (F)-3742/Carpentry/2019-2020

23 October 2019

Dear Sir

INVITATION FOR QUOTATION.

1. Khulna Shipyard Limited will procure:

- i) Hydro Blasting Machine-01 Pcs -as per the attached specification. (03 pages)
 - ii) Pneumatic Safety Lamp-03 Pcs -as per the attached specification. (03 pages)
 - iii) Pneumatic Portable Ventilation Fan-02 Pcs -as per the attached specification. (03 pages)
2. Please send your offer at KSY site basis (including custom duty, local vat & tax etc.) by close envelope.
 3. Tender opening date and time: 14/11/2019 (15:00 Hours).
 4. **1%** (one) Earnest money of the total quoted value must be submit with offer Bid Bond may be Bank Draft/ Pay Order/ Bank Guarantee in favour of Khulna Shipyard Ltd, Khulna.
 5. 10% Performance guarantee is to be submitted before Purchase Order.
 6. Delivery 30 days from the Purchase Order.
 7. 100% payment should be made after satisfactory acceptance by KSY deducted VAT & Tax.

Thanking you

yours sincerely

SK. SHAH MOSHIUR RAHMAN
Manger Commercial
For Managing Director

J. **Operating Environment.** The environment under which Hydro Blasting Machine will be operated and their performance will be measured is as under:

a. **Ambient Conditions.**

(1)	Air temperature	10°C ~ 45°C
(2)	Relative humidity	Up to 90% (non-condensing)
(3)	Location	In-house & open space

11. **Technical Specifications.**

1.	Working pressure	:	1000 bar (minimum)
2.	Flow rate	:	40 LPM (minimum)
3.	Driver type	:	Electric motor driven (compatible with the machine)
4.	Motor power	:	150 Hp (approximately)
5.	Motor rpm	:	1450 (approximately)
6.	Mounting option	:	Wheeled trolley mounted
7.	Power supply	:	3 phase, 50 Hz
8.	Ingress protection	:	IP 54 or better

12. **Standard Accessories.** Standard accessories must include all items and accessories, which are essential for immediate operation of the Hydro Blasting Machine whether those are mentioned in the specification or not. A list of such items/accessories is to be provided with item wise price along with the offer.

13. **Standard Tools.** A list of standard tools for maintenance and protection of the Blasting Machine is to be provided with the quotation (price included in the FOB). Price of the tools to mentioned separately with the offer.

14. **Spare Parts.** A list of OEM recommended Spare Parts required for the Hydro Blasting Machine for minimum two (02) years operation and its accessories are to be provided with the quotation indicating item wise price (price not included in the FOB). Number of spare parts will be finalized during signing the contract.

15. **Catalogue:** The supplier should provide a full-fledged catalogue of the offered item along with the quotation.

16. **Installation, Test & Trail.**

a. The supplier will install the Hydro Blasting Machine under the supervision of an OEM engineer at KSY premises. Machine should be supplied by the supplier in set to operate condition.

b. Test and trail will be carried out by the supplier on completion of installation at KSY.

17. **Documents.** Following documents (in English language) are to be supplied.

a. Instruction manual.



- b. Workshop level repair manual.
- c. Spare parts catalogue with international recognized part number.
- d. Any other document (If any).

18. **Port of Shipment.** Any port of the manufacturing country. Necessary document is to be provided prior shipment.

19. **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 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. Remaining 20% of L/C amount will be paid on producing 'Acceptance Certificate' after satisfactory test and trial jointly carried out by the buyer's and supplier's representatives.

20. **Warranty.** At least 12 months from the date of acceptance. If any defect arises during the warranty period, the warranty shall be extended for the same duration.

21. **Training.** After completion of satisfactory test and trail, the supplier's engineer will provide training to five (05) operator for a period of 03 (Three) working days.

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TENDER SPECIFICATION OF PNEUMATIC SAFETY LAMP

1. **Name of the Equipment.** Pneumatic Safety Lamp.
2. **Purpose.** It will be used to provide safe and reliable illumination in hazardous area.
3. **Quantity.** 03 (Three) Nos.
4. **Country of Origin & Manufacture.** USA, UK, Japan, Australia, Canada, Germany, France, Denmark, Belgium, Nederland, Spain and Austria (name of the country to be mentioned).
5. **Manufacturer.** To be mentioned (name and full address to be mentioned).
6. **Year of Manufacture.** 2019 or later. The item should be brand new and original.
7. **Certificate/Document of Authentication.** The local supplier must provide following original certificate (s)/document(s) with the offer/quotation of items as regard to the genuinely of source and items(s) in order to establish chain of links from the original source to supply items:
 - a. One certificate/ document by the manufacturer in favor 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).
8. **Scope of Supply.** The scope of supply is to include the followings:
 - a. Main items (Pneumatic Safety Lamp) complete with all items necessary for immediate operation without the requirement of any other items (as per paragraph 12).
 - b. Tools (as per paragraph 13).
 - c. Spare parts (as per paragraph 14).
9. **Standard.** The Pneumatic Safety Lamp is to be designed and constructed fulfilling the requirement of CE/ASME/DIN/EN/ISO standards. The standards to which the quoted Pneumatic Safety Lamp complies with are to be specified along with quotation.

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10. **Operating Environment.** The environment under which Pneumatic Safety Lamp will be operated and their performance will be measured is as under:

a. **Ambient Conditions.**

(1)	Air temperature	10°C ~ 40°C
(2)	Relative humidity	Up to 98% (non-condensing)
(3)	Location	In-house

11. **Technical Specifications.**

1.	Bulb type	:	Tungsten halogen filament bulb
2.	Voltage	:	24V
3.	Watts	:	250W
4.	Out put	:	6000 lm (Minimum)
5.	Beam type	:	Spot to order
6.	Weight	:	Portable (less weight preferable)
7.	Operation power source	:	Air pressure: 4 – 8 bar Air feeding nozzle dia: 1/2" or 3/4"
8.	Equipment protection level	:	Equipment with high protection level for use in hazardous areas.

12. **Standard Accessories.** Standard accessories must include all items and accessories, which are essential for immediate operation of the Pneumatic Safety Lamp whether those are mentioned in the specification or not. A list of such items/accessories is to be provided with item wise price along with the offer.

13. **Standard Tools.** A list of standard tools for maintenance and protection of the Pneumatic Safety Lamp is to be provided with the quotation (price included in the FOB). Price of the tools to be mentioned separately with the offer.

14. **Spare Parts.** A list of OEM recommended Spare Parts required for the Pneumatic Safety Lamp for five (05) years operation and its accessories are to be provided with the quotation indicating item wise price (price not included in the FOB). Number of spare parts will be finalized during signing the contract.

15. **Catalogue:** The supplier should provide a full-fledged catalogue of the offered item along with the quotation.

16. **Test & Trail.**

a. Test and trail will be carried out by the supplier on completion of installation at KSY.

17. **Documents.** Following documents (in English language) are to be supplied.

a. Instruction manual.



- b. Workshop level repair manual.
- c. Spare parts catalogue with international recognized part number.
- d. Any other document (If any).

18. **Port of Shipment.** Any port of the manufacturing country. Necessary document is to be provided prior shipment.

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

- a. 80% of 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. Remaining 20% of L/C amount will be paid on producing 'Acceptance Certificate' after satisfactory test and trial jointly carried out by the buyer's and supplier's representatives.

20. **Warranty.** At least 12 months from the date of acceptance. If any defect arises during the warranty period, the warranty shall be extended for the same duration.

TENDER SPECIFICATION OF PNEUMATIC PORTABLE VENTILATION FAN

1. **Name of the Equipment.** Pneumatic Portable Ventilation Fan.
2. **Purpose.** Pneumatic Portable Ventilation Fans will be used to ventilation of hazardous fumes in hazardous area.
3. **Quantity.** 02 (Two) Nos.
4. **Country of Origin & Manufacture.** USA, UK, Japan, Australia, Canada, Germany, France, Denmark, Belgium, Nederland, Spain and Austria (name of the country to be mentioned).
5. **Manufacturer.** To be mentioned (name and full address to be mentioned).
6. **Certificate/Document of Authentication.** The local supplier must provide following original certificate (s)/document(s) with the offer/quotation of items as regard to the genuinely of source and items(s) in order to establish chain of links from the original source to supply items:
 - a. One certificate/ document by the manufacturer in favor 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).
7. **Scope of Supply.** The scope of supply is to include the followings:
 - a. Main items (Pneumatic Portable Ventilation Fan) complete with all items necessary for immediate operation without the requirement of any other items (as per paragraph 12).
 - b. Tools (as per paragraph 13).
 - c. Spare parts (as per paragraph 14).
8. **Standard.** The Pneumatic Portable Ventilation Fan is to be designed and constructed fulfilling the requirement of CE/ASME/DIN/EN/ISO standards. The standards to which the quoted Pneumatic Portable Ventilation Fan complies with are to be specified along with quotation.
9. **Year of Manufacture.** 2019 or later. The item should be brand new and original.

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J. **Operating Environment.** The environment under which Pneumatic Portable Ventilation Fan will be operated and their performance will be measured is as under:

a. **Ambient Conditions.**

(1)	Air temperature	10°C ~ 40°C
(2)	Relative humidity	Up to 90% (non-condensing)
(3)	Location	In-house

11. **Technical Specifications.**

1.	Inlet air supply capacity	:	30 m ³ /min
2.	RPM	:	3600 (minimum)
3.	Casing diameter	:	400 mm (minimum)
4.	Supply air hose pipe dia	:	1/2" or 3/4"
5.	Air duct dia	:	400 mm (minimum)

12. **Standard Accessories.** Standard accessories must include all items and accessories, which are essential for immediate operation of the Pneumatic Portable Ventilation Fan whether those are mentioned in the specification or not. A list of such items/accessories is to be provided with item wise price along with the offer.

13. **Standard Tools.** A list of standard tools for maintenance and protection of the Pneumatic Portable Ventilation Fan is to be provided with the quotation (price included in the FOB). Price of the tools to mentioned separately with the offer.

14. **Spare Parts.** A list of OEM recommended Spare Parts required for the Pneumatic Portable Ventilation Fan for five (05) years operation and its accessories are to be provided with the quotation indicating item wise price (price not included in the FOB). Number of spare parts will be finalized during signing the contract.

15. **Catalogue:** The supplier should provide a full-fledged catalogue of the offered item along with the quotation.

16. **Test & Trail.**

a. Test and trail will be carried out by the supplier on completion of installation at KSY.

17. **Documents.** Following documents (in English language) are to be supplied.

- a. Instruction manual.
- b. Workshop level repair manual.
- c. Spare parts catalogue with international recognized part number.
- d. Any other document (If any).

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8. **Port of Shipment.** Any port of the manufacturing country. Necessary document is to be provided prior shipment.

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

- a. 80% of 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. Remaining 20% of L/C amount will be paid on producing 'Acceptance Certificate' after satisfactory test and trial jointly carried out by the buyer's and supplier's representatives.

20. **Warranty.** At least 12 months from the date of acceptance. If any defect arises during the warranty period, the warranty shall be extended for the same duration.