



KHULNA SHIPYARD LIMITED

BANGLADESH NAVY, KHULNA

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BABE (F) -296/2022-2023/

26 July 2022

Dear Sir

INVITATION FOR PARTICIPATION TO TENDER FOR SUPPLY OF 02 COMPLETE SETS PORTABLE DRY AIR COMPRESSOR

1. Khulna Shipyard Limited will procure 02 Complete Sets Portable Dry Air Compressor as per attached technical specification (04 Page), following terms & condition:
2.
 - a) Please send your offer CPT/CFR at Dhaka Airport/ Chattogram Port basis within 17/08/2022 (1500 Hours) by e-mail or closed envelop.
 - b) Insurance will be covered by this organization.
 - c) Payment: Payment will be made through Letter of Credit. 80% of the total contract value will be paid against shipping documents and rest 20% will be paid after satisfactory receiving of the material at KSY.
 - d) Shipment: 30 days from the opening date of Letter of Credit.

OR,

Submission of quotation as local supply terms:

- a) Please send your offer as a local supply items. Offer should include supply of materials at KSY site including custom duty, local vat & tax etc.
 - b) Payment: 100% payment will be made after receiving the material at KSY and satisfactory acceptance after deducting of VAT and TAX.
 - c) Items to be delivered within 60 days from the date of Purchase Order at KSY site.
3. 1% (one) Bid Bond/Earnest (returnable) Money of the total quoted CFR/KSY site value must be submit with offer. Bid Bond may be Pay Order / Bank Guarantee in favour of Khulna Shipyard Limited, Khulna.
4. 10% Performance Guarantee (PG) is to be submitted before Purchase Order. This PG will release after receiving the material and satisfactory acceptance by KSY.
5. Foreign supplier will allow to participate directly without submitting bid bond/earnest money and PG. In that case payment will be made through Letter of Credit. 60% of the total contract value will be paid against shipping documents and rest 35% will be paid after satisfactory receiving of the material at KSY. Another Rest 05% will be paid after satisfactory warranty period.
6. Warranty: 01 (one) Year after acceptance by KSY (as per technical clause no. 18).
7. Guarantee for Warranty: The Supplier shall furnish to buyer a Bank Guarantee/Pay order for warranty (for the contracted item) after satisfactory acceptance of the items an amount equivalent to 05% of the contract price, which shall remain valid until expiry date of the warranty period.
8. Offer Validity: 45 Days from Tender Opening Date.

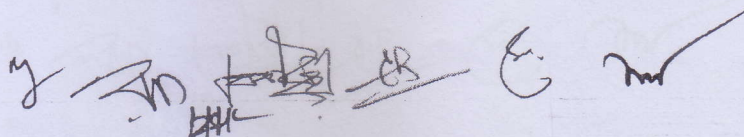
Yours sincerely

M M Khairul Alam
Commercial Officer
For Managing Director

TENDER SPECIFICATION FOR PORTABLE DRY AIR COMPRESSOR

1. **Name of the Equipment.** Portable Dry Air Compressor.
2. **Purpose.** Portable Dry Air Compressor will be used for supply of compressed dry air for plasma cutting.
3. **Quantity.** 02 (Two) complete sets.
4. **Manufacturer.** Name and full address to be mentioned.
5. **Year of Manufacture.** 2021 or later.
6. **Country of Origin.** USA/ Canada/ Australia/ Japan/ Germany/ UK and EU countries (name of the country to be mentioned).
7. **Manufacturing Country.** USA/ Canada/ Australia/ Japan/ Germany/ UK and EU countries (name of the country to be mentioned).
8. **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 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 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).
9. **Standard.** Portable Dry Air Compressor is to be designed and constructed fulfilling the requirement of International standards. The Standard to which Portable Dry Air Compressor complies with is to be specified.
10. **Operating Environment.** The environment under which the Portable Dry Air Compressor will be operated and their performance will be measured is as under:
 - a. **Ambient Conditions.**

(1)	Air temperature	0°C ~ 40°C or better.
(2)	Relative humidity	20% ~ 80% or better.
11. **Scope of Supply.** The scope of supply is to include the followings:
 - a. Main items (Air Compressor, Motor, Starter, Cables etc.) (As per paragraph 12 to 13).
 - b. Spare parts (As per paragraph 14).
 - c. Documents (Catalogue, operation/service and maintenance manual, parts catalogue etc. as applicable) (as per paragraph 15 to 16).



- d. Test and trial (as per paragraph 17).
- e. Warranty & guarantee (as per paragraph 18 & 19).
- f. Any other issue relevant (if any).

12. **Technical Specification.**

a. **Air Compressor:**

(1)	Brand	To be mentioned.
(2)	Model	To be mentioned.
(3)	Type	Multi Stage Reciprocating.
(4)	Driver	Electric motor Driven.
(5)	Operating Pressure	Minimum 330 Bar.
(6)	Free Air delivery	Minimum 240 Liters/minute.
(7)	Number of Stage	Minimum 3 stage.
(8)	Number of Cylinder	Minimum 3 Nos.
(9)	Air Purification	The air purification system with replaceable triplex filter to be supplied.
(10)	Charging Hose Type	Resin (Minimum 330 bar).
(11)	Charging Hose Diameter	To be Mentioned.
(12)	Charging Adaptor type	To be Mentioned.
(13)	Charging Adapter Size	To be Mentioned.
(14)	Cooling	Air Cooled.
(15)	Piston Stroke	To be Mentioned.
(16)	Compressor Oil Type	To be Mentioned.
(17)	Coupling Type/Belt Drive	Triangle Belt Drive.
(18)	Control Panel	The Control Panel of Portable Dry Air Compressor must have provision of pressure gauge, drain valve, safety valve, to operate compressor manually(on/off) etc. But automatic system is also preferable.
(19)	Mounting	Portable Dry Air Compressor with all accessories is to be mounted on a stainless steel frame which would be anti-vibration & shock resistance and comfortable for easy handling.

b. **Motor.**

(1)	Brand	To be mentioned.
(2)	Model	To be mentioned.
(3)	Type	Induction Motor.
(4)	Input power	400 V, 3Phase, 50 Hz.
(5)	Power in Kw/Hp	To be Mentioned.
(6)	RPM	To be Mentioned.
(7)	Insulation Class	Minimum F.
(8)	Cooling	Air Cooled.

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c. **Starter:**

(1)	Type	A star-delta type preferable.
(2)	Indication Light	To be Incorporated.
(3)	Safety Device	To be mentioned.
(4)	Reset	Manual

d. **Others:**

(1)	Power Cable	20 meter per set.
(2)	High Pressure Air Pipe	15 meter per set.
(3)	Compressor Oil	6 Liters per set.
(4)	Standard Tool Set	01 set per portable compressor set.

e. **Weight.** 100 ~ 150 Kg.

f. **Dimensions.** To be mentioned (compact and smaller size is preferable).

13. **Standard Accessories.** All necessary fittings and standard accessories which are required for standard operation of Portable Dry Air Compressor, but not mentioned in this specification are to be provided with the set at the time of delivery. The list includes, but not limited to necessary connectors, plug, fuses etc.

14. **Spare parts.** The following list of spare parts required for each Portable Dry Air Compressor 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 contract.

Ser. no	Spare parts	Unit
(1)	Suction filter cartridge	03 (Three) sets.
(2)	Set of piston rings for all stages	02 (Two) complete sets.
(3)	Filter kit	01 (One) complete set.
(4)	Crankshaft set (Crankshaft, key, Hardened ring)	01 (One) complete set.

Also, a list of recommended spare parts required for 05 years of satisfactory operation is to be provided indicating item wise price in detail.

15. **Catalogue.** One set technical catalogue in English is to be provided with the offer.

16. **Manual and Documents.** Operation/Service & Maintenance Manual and Parts Catalogue are to be provided in English during delivery.

17. **Test, Trial, Commissioning and Acceptance.** Test and trial will be carried out by the supplier at KSY premises. All expenses will be borne by the supplier. After satisfactory test & trial, acceptance certificate will be signed jointly by the representative of supplier and the representative of buyer.

18. **Warranty.** 01 year from successful test and trial after acceptance.



19. **Guarantee.** The manufacturer will guarantee to supply the spare parts for at least 10 years at reasonable price. Yearly increase of price of spares should not be more than 5% of the price list for spares provided with the quotation.

20. **Nameplate.** Nameplate of Portable Dry Air Compressor with standard accessories is to be provided in English.

21. **Shipment.** The following information is to be provided:

- a. The supplier will arrange shipment at KSY.
- b. All items will be delivered in sea-worthy/ air 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. Port of Shipment. Any port of the manufacturing country.

22. **Delivery.** Items are to be delivered within 03 (three) months from the date of signing the contract or purchase order.

23. **Validity of Offer.** The offer will remain valid for 03 (three) months from the date of opening of tender.

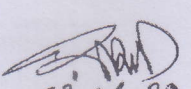
24. **Terms of Payment.** L/C for full purchase amount will be opened in favor of the principal supplier under the following payment terms:

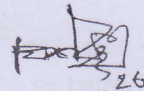
- a. 80% of total CFR value will be paid on delivery of the items described under the scope of supply and on production of necessary shipping documents.
- b. Remaining 20% of CFR value will be paid on producing 'Acceptance Certificate' after satisfactory test and trial jointly carried out by the buyer's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

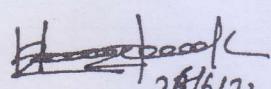
Commercial will
Foreign will
complete this part.
(F. DGM (C))

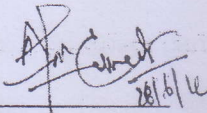
25. **Compliance Statement.** One set of Compliance Statement is to be submitted along with the offer by the bidder.

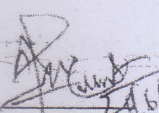

15/06/22
OIC, Plater Shop
Member Secretary


23.06.22
OIC, Electrical
Member

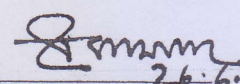

26.6.22
OIC, Machine Shop
(Outdoor), Member


28/6/22
DGM (D & P)
Member


28/6/22
DGM (Shipbuilding)
Member


28/6/22
DGM (Engineering)
Member


26/06/22
DGM (Electrical)
Member


26.6.2022
GM (Production)
President