



Chittagong Dry Dock Limited

Bangladesh Navy
East Patenga, Chattogram, Bangladesh

Phone: +88 02333301117, Mobile: +8801769744450
Fax: +88 02333301123, E-mail: commerce@cddl.gov.bd, contact@cddl.gov.bd,
Website: www.cddl.gov.bd



23.02.1565.341.53.006.25. 435

04 May 2025

NOTICE

Ref:

A. CDDL Tender Notice No: 23.02.1565.341.53.006.25.380 Dated: 27 March 2025

1. This is to inform all concerned that the tender opening for the procurement of **Rotary Screw Fixed Speed Drive Air Compressor Quantity: 02 (Two) Complete Sets** for Chattogram Dry Dock Limited (CDDL), which was initially scheduled to be opened on **11 May 2025**, will now be opened on the **13 May 2025**, due to an unavoidable public holiday.

2. All interested bidders are requested to remain present accordingly.

TANVIR AHAMMAD TALUKDAR
Commander BN
DGM Commerce & Purchase



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23.02.1565.341.53.006.25.379

Dated: 27 March 2025

INVITATION FOR TENDER

1.	Procuring Entity	Chittagong Dry Dock Ltd
2.	Invitation for	Purchase of Rotary Screw Fixed Speed Drive Air Compressor Quantity: 02 (Two) Complete Sets, Capacity: (Free Air Delivery): Not Less Than 12.0 M³/Min @ 10 Bar Pressure (Detail Technical Specifications Mentioned in Tender Document)
3.	Reference No	23.02.1565.341.53.006.25.380 Date: 27 March 2025
4.	Procuring Method	Open Tender
5.	Budget & Source of Funds	Own Fund of Chittagong Dry Dock Ltd
6.	Tender Last Selling Date (Office Time only)	27 March 2025 to 11 May 2025 at 12.00 PM
7.	Tender Closing	11 May 2025 at 12.15 PM
8.	Tender Opening	11 May 2025 at 12.30 PM
9.	Name and Address of the Office(s) for Selling, Receiving and Opening of Tender Documents:	(1) Cash Section, Accounts Department, Chittagong Dry Dock Ltd, Bangladesh Navy, East Patenga, Chattogram (2) Schedule will also be available at CDDL's website (www.cddl.gov.bd)
	a. Selling Tender Document	
	b. Receiving Tender Document	Purchase & Commerce Department, Chittagong Dry Dock Ltd.
	c. Opening Tender Document	(1) Chittagong Dry Dock Ltd, Bangladesh Navy, East Patenga, Chattogram (2) Tenderers and their authorized representatives are allowed to attend
10.	Price of Tender Document	TK 2,000.00 (Two Thousand Only) (Non-refundable)
11.	Contact Details	Phone: +88 02333301117, Mobile: +8801769744454 E-mail: commerce@cddl.gov.bd, contact@cddl.gov.bd Fax: +88 02333301123,
12.	Special Instructions	The Procuring Entity reserves the right to reject all or any tenders prior to acceptance without showing any reason

Head of Commerce & Purchase Department

TANVIR AHAMMAD TALUKDAR
Commander BN
For Managing Director



**TENDER DOCUMENT FOR PURCHASE
CHITTAGONG DRY DOCK LTD
BANGLADESH NAVY**

East Patenga, Chattogram.

Phone: +88 02333301117, Fax: +88 02333301123

E-mail: commerce@cddl.gov.bd, contact@cddl.gov.bd

Website: www.cddl.gov.bd



Cost of tender document Tk. 2,000.00 (Tk. Two Thousand Only) per set (Non-refundable)

**TENDER DOCUMENTS FOR ROTARY SCREW FIXED SPEED DRIVE AIR
COMPRESSOR
CAPACITY (FREE AIR DELIVERY): NOT LESS THAN 12.0 M³/MIN @ 10 BAR
PRESSURE**

TENDER ENQUIRY NO- 23.02.1565.341.53.006.25.380 Date: 27 March 2025

DUE FOR OPENING ON: 11 May 2025

**CHITTAGONG DRY DOCK LTD
BANGLADESH NAVY**

East Patenga, Chattogram.
Phone: +88 02333301117, Fax: +88 02333301123
E-mail: commerce@cddl.gov.bd, contact@cddl.gov.bd
Web: www.cddl.gov.bd

IMPORTANT POINT

1. **TENDER NO.** 23.02.1565.341.53.006.25.380 Date: 27 March 2025.
2. **DUE FOR OPENING ON.** 11 May 2025.
3. **PRICE OF TENDER DOCUMENTS.** Tk. 2,000.00 per set (Non-refundable).
4. **EARNEST MONEY.** 1% (One) of the total quoted CFR value either in Bangladesh currency or equivalent US\$ /EURO/GBP etc. favoring Chittagong Dry Dock Ltd, Bangladesh Navy in the form of Bank Draft/Pay Order/Bank Guarantee.
5. **NAME OF THE COMMODITY.** Rotary Screw Fixed Speed Drive Air Compressor (As Per Attached Technical Specification - Annex B).
6. **PURPOSE.** The Rotary Screw Fixed Speed Drive Air Compressor will be used for sandblasting/grit blasting of marine ship's hull, structure, deck, fitting & fixtures and mild steel plates at Chittagong Dry Dock Limited (CDDL).
7. **SOURCE OF FUND.** Own Fund of Chittagong Dry Dock Limited.
8. **TERMS OF SUPPLY.** CFR Chattogram
9. **PRICE FOR CFR CHATTOGRAM.**
 - (a) FOB and Ocean freight should be shown separately.
 - (b) Freight should be shown/ endorsed on Bill of Lading.
 - (c) Freight will be paid at actual against Bill of Lading but not exceeding the amount shown in quotation/offer.
10. **YEAR OF MANUFACTURING.** 2024 or later. The item should be brand new and of current production.
11. **QUANTITY.** 02 (Two) Complete Sets.
12. **COUNTRY OF ORIGIN.** USA, Canada, Japan, UK and EU countries (Name of the country to be mentioned).
13. **COUNTRY OF MANUFACTURE.** USA, Canada, Japan, UK and EU countries (Name of the country to be mentioned).
14. **MANUFACTURER.** Name and full address to be mentioned (with email address and contact number).



15. **SUPPLIER/LOCAL AGENT.** Name and full address to be mentioned (with email address and contact number).
16. **DELIVERY/SHIPMENT SCHEDULE.** 180 days from date of opening of LC.
17. **PORT OF SHIPMENT.** Any sea port of manufacturing country (To be mentioned).
18. **TENDER SHOULD REMAIN VALID.** The offer should remain valid for minimum 90 (Ninety) days from the date of tender opening.
19. **THE TENDER DOCUMENTS ARE REQUIRED TO BE WITH SEAL AND SIGN THERE OF ON EACH PAGE.** The Chittagong Dry Dock Ltd, Bangladesh Navy invites quotation in double envelop system (marked as "Technical" and "Financial") from Manufacturers/Principal Suppliers for supply of the item described in the attached sheet schedule (Annex-A & B) on firm CFR Chattogram. Quotations will be received by this office up to 12.15 PM, 11 May 2025 and will be opened 12.30 PM, 11 May 2025 in public on the date specified above.
20. **AMENDMENTS TO TENDER DOCUMENTS.**
- a. At any time prior to deadline for submission of bids the purchaser may, for any reason, whether of its own initiative or in response to a clarification requested by a prospective bidder, modify the tender documents by the amendment(s).
- b. The amendment(s) will be notified in writing by letter/fax or by cable to all prospective bidders who have purchased tender documents and also publishing in newspaper & CDDL web site (www.cddl.gov.bd) and the same will be binding on them.
- c. In order to allow the prospective bidders reasonable time to take the amendment into account in preparing their bids, the purchaser may at its sole discretion extend the deadline for submission of bids.

PREPARATION AND SUBMISSION OF QUOTATION

21. **GENERAL.**

- a. Offers are to be dropped in the tender box provided for the purpose at the office of Chittagong Dry Dock Ltd, Bangladesh Navy, East Patenga, Chattogram.
- b. Tender number and opening date as above should be written on the envelope. The envelope containing quotation should be sealed and addressed as follows:

THE MANAGING DIRECTOR
CHITTAGONG DRY DOCK LTD
BANGLADESH NAVY
EAST PATENGA, CHATTOGRAM.

Tender number and opening date as above should be written on the envelope.

- c. Tender may be put into the tender box kept for this purpose at the above address, but care must be taken to ensure that it reaches this office on the date and time fixed. Late tenders will not be considered. Suppliers may also post the tenders to the MANAGING DIRECTOR, CHITTAGONG DRY DOCK LTD, BANGLADESH NAVY, EAST PATENGA, CHATTOGRAM, BANGLADESH, so, as to reach him on due date and time. No responsibility will be accepted by buyer for late receipt.
- d. **The Manufacturers/Principal Suppliers may quote in their own letter head, but it is essential that the tender schedule is also completed and returned, along with original money receipt to the buyer. If the schedule is not accordingly returned, the quotation may not be considered.**
- e. **Tenderers may quote price in Bangladesh currency or equivalent USD/ EURO/GBP etc.**



- f. Tenders should enclose with the quotation the **Original Proforma Invoice** of their Principal and the Proforma should be based on **FIRM CFR PRICE**.
- g. Quotation should be strictly in accordance with the following:
- (1) Accounting unit prescribed in the tender enquiry.
 - (2) Terms of delivery and place of delivery as specified in the tender enquiry.
- h. The name of the manufacturers/principal suppliers and country/countries of origin with port of shipment proposed should invariably be indicated.
- J. Tenderers must submit with the quotation the original Proforma Invoice of their Principals and the Proforma Invoice shall clearly indicate detail technical specification, the percentage of commission, if any, included in FOB price for the local agent. Commission payable to the local agent by the foreign supplier will be deducted and paid to local agent in equivalent local currency at the exchange rate at which the bill of exchange is negotiated. **Buyers will not pay any extra commission or otherwise to the Local Agent.**
- k. No claims on the ground of typographical errors in calculating prices would be entertained later and the tendering firms would be asked under points of penalty and disciplinary action to supply at price they have originally quoted.
- l. Indenting agent should also submit along with the tender valid registration certificate issued by the Chief Controller of Imports and Exports (CCI&E) and Bangladesh Bank permission. In absence of original certificate, Photostat copy may serve.
- m. Tenderers should quote the price as per schedule given in **Annex A** to this document.
- n. Tenderers should submit a certificate along with the offer to the effect that they have gone through the instructions and terms and conditions stipulated in the tender documents and have accepted them into. **As a token of such acceptance each page of this tender documents must be signed by the supplier with their SEAL.** If the tender documents are not received accordingly, the quotation may not be considered. In case of disagreement on any point this must be stated clearly in a separate sheet. Tenderers, must give full and detailed specification of the items they like to offer. Expressing like as per your specifications should be avoided and will be treated as disqualification.
- p. Quotation has to have supporting documents (booklets, leaflet, catalogue, brochure etc OEM in English) having detailed particulars of the offered **Rotary Screw Fixed Speed Drive Air Compressor**. The detailed information to be provide.
22. **CONTRACT.** The terms and conditions of the tender document shall form an integral part of the contract/purchase order document. The tenderer is requested to check this set of tender documents in order to ensure proper compliance and the **"Form of Acknowledgement"** along with the **"Certificate as to Corporate Principal"**, where applicable, duly filled in be returned along with the tender.
23. **BID LANGUAGE.** The bids, all correspondences and documents relating thereto exchanged between the bidders and the purchaser shall be written in English Language.
24. **QUALIFICATION OF BIDDER.** Manufacturers of Rotary Screw Fixed Speed Drive Air Compressor or their authorized distributor/ agent can submit quotations through their authorized local agent in desk. In case of offer from distributor/agent, certificate of dealership/agency ship from Original Equipment Manufacturer (OEM) is to be submitted with the offer.



25. **PAYMENT CONDITIONS FOR CFR CHATTOGRAM.**

- a. The total contract price (TCP) will comprise of both foreign currency and local currency offer of the supplier. Letter of credit (LC) will be opened in foreign currency in favor of the manufacturer/principal supplier for the complete scope of supply with the following terms of payment:
- i. 80% of LC value will be released after shipment of all items and on submission of necessary shipping documents including **FAT report**.
 - ii. The remaining 20% LC value will be released after satisfactory test, trial, commissioning and acceptance of the delivered Rotary Screw Fixed Speed Drive Air Compressor by the buyer.
- b. The letter of credit shall be negotiable on presentation of the following documents:
- (1) Complete set of original 'Clean on Board' Bill of Lading/mentioning the **amount of freight** on Bill of Lading.
 - (2) Supplier's invoice **signed in ink**.
 - (3) Packing list and detail packing list.
 - (4) Buyer's authorized inspection agent's certificate.
 - (5) Factory Acceptance Test (**FAT**) **report** (If applicable).
 - (6) Fax. /E-mail/Swift advice for insurance cover (In terms of buyer).
 - (7) Certificate of origin.
 - (8) Certificate showing that the commodity has been shipped in a non-Israel vessel.
 - (9) **Undertaking** regarding supply/re-placement of short supplied and defective materials on free of cost demanded by the buyer.
- c. Bank charges in Bangladesh for opening of LC shall be borne by the buyer. Any Bank Charge for revalidation or amendment of the LC on the request of the supplier shall be exclusively borne by the beneficiaries and not by the CHITTAGONG DRY DOCK LTD. confirmation of letter of credit by foreign bank will not be entertained.
- d. Bank charge for withdrawal against LC established by buyer will be borne by the beneficiary.
- e. The beneficiary will have to bear the following foreign bank charges: -
- (1) Negotiation commission.
 - (2) Payment commission.
 - (3) Postage and cable charges.
 - (4) LC confirmation charges/ additional (ADD) confirmation charges.
 - (5) LC amendment commission/LC extension commission.
 - (6) LC cancellation charges.

26. **SHIPMENT AND DELIVERY INSTRUCTIONS.**

- a. Rotary Screw Fixed Speed Drive Air Compressor: to be delivered within 06 months/180 days after Opening LC to the following consignee:
- The Managing Director
Chittagong Dry Dock Ltd.
Bangladesh Navy
East Patenga, Chattogram, Bangladesh.
- b. The supplier will arrange shipment of all items by sea to Chattogram, Bangladesh.
- c. The supplier will arrange transportation of all supplied items from Chattogram sea port to CDDL, Chattogram.



27. **PACKING AND MARKING.**

a. The seller shall be responsible for proper packing and marking of the goods for shipment by rail, road and sea. Goods shall be assembled to the maximum extent practical prior to shipment. Goods shall be **packed** so as to withstand usually rough handling and ensure delivery without loss or damage.

b. Each packet/bundle must have the following information printed in **BOLD LETTERS**

- (1) Name of the consignee and destination.
- (2) Letter of credit number.
- (3) Gross and net weight.
- (4) Serial number of bundles/packets/box.
- (5) Name and address of the seller.

c. All items are to be delivered in sea worthy packing to ensure safe transportation by sea. 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.

28. **INSURANCE.** Insurance of the consignment after shipment to destination port/place (up to buyer's premises) will be arranged by buyer. Quotation should, therefore, be exclusive of the insurance charges.

29. **LATE DELIVERY AND LIQUIDATED DAMAGES.**

a. Liquidity damage equivalent to **0.5% (half percent) per week or part thereof** on the value of the undelivered goods may be realized from the supplier/contractor.

b. In specific cases where delay in delivery is likely to cause dislocation of work and financial loss, a higher rate of liquidity damage, not over **1% (one percent) per week or part thereof** on the value of the undelivered goods may be charged.

c. In case of delay in delivery beyond one hundred days from specific delivery time mentioned in **clause 26** for importable item(s), purchase order/contract may be cancelled in which case the performance guarantee shall be forfeited.

d. On genuine reasons/grounds beyond the control of the suppliers/contractor, extension of delivery period may, however, be granted by the purchase approving authority without realization of any liquidated damage provided validity of their performance guarantee covers such extension.

30. **GENUINENESS OF THE PRINCIPAL SUPPLIERS.** The principal supplier shall have to submit a certificate from the supplier's bankers regarding the Bonafide and standing of the supplier. In this respect satisfactory **credit report** issued by supplier's bank is to be submitted along with the quotation/ offer.

And/Or

Certificate from the Chamber of Commerce and Industry from the supplier's country regarding its standing as an exporter/manufacturer along with the Proforma Invoice.

31. **QUALITY CERTIFICATE.** Tenderers should furnish guarantee from the Original Manufacturers/Suppliers/Sole Agent to the effect that the goods will be of exact specification as laid down in the tender and in the event of placing order with the tenderers, the manufacturers/suppliers or their sole agents will supply materials to them (Tenderers) for supply of the same against their tender. Tenderers for all purposes shall be responsible for the acts of omission and commission of their Principal.



32. **EARNEST MONEY.** All bidders must submit earnest money for an amount equivalent to 1% (One) of the actual quoted CFR value of the stores either by Bangladesh currency or equivalent to any International Trading currencies favoring the Chittagong Dry Dock Ltd in **bank draft/pay order/bank guarantee** which will be issued by any scheduled bank of Bangladesh. In case bank guarantee is submitted, the same should remain valid for 90 (Ninety) days from the date of opening of the tender. Neither any inland cheque for a cheque/ guarantee issue by Bank of foreign countries will be entertained. Earnest money is liable to forfeiture if the bidder for any reason whatsoever withdraws or modifies its offer; or violates the terms after opening of the tender and before expiry of the validity of the offer or fails to furnish the required performance bond within the stipulated time after issuance of letter of intent. Bid bond/earnest money of unsuccessful tenderer would be returned once a decision of the tender is made. A tender not accompanied by earnest money/bid bond would be rejected as non-responsive. Bid bond of the successful bidder shall be returned after furnishing performance bond. **A specimen copy of bid bond is enclosed herewith as Annex- C.**

33. **PERFORMANCE BOND.** The successful tenderer will be required to furnish performance bond to the extent 5% (Five Percent) of the total CFR value either in the form of pay order /bank draft or bank guarantee for the satisfactory execution of the order. The performance bond should be given by any Bangladesh Commercial Bank under their (Bank) full risk and liabilities. If the same is submitted by bank guarantee it must remain **valid till warranty period or 18 (Eighteen) months** beyond the date of shipment. Performance bond must be furnished within 10 (Ten) days from the date of letter of intent. It will be liable for forfeiture if the supplier fails to supply the goods within the specified time or commits any breach of contract. **A specimen copy of performance bond is enclosed herewith as Annex-D.**

34. **FACTORY ACCEPTANCE TEST (FAT).** As per Annex - B, Paragraph-20.

35. **TRAINING.** As per Annex - B, Paragraph-21.

36. **INSTALLATION.** As per Annex - B, Paragraph-22.

37. **TEST, TRAIL, COMMISSIONING AND ACCEPTANCE.** As per Annex-B, Paragraph -23.

38. **WARRANTY.** As per Annex - B, Paragraph-24.

39. **GUARANTEE.** As per Annex - B, Paragraph-25 (Should be present with offer).

40. **INDEMNITY.** The supplier has to indemnify the buyer against all claims which may be made in respect of the stores for infringement of any right protected by patent, registration of design etc. and shall take all risk of accidents or damage which may cause or failure of the supply from whatever cause arising and take entire responsibility for the sufficiency of the means used by the supplier for the fulfillment of the contract.

41. **INCREASE OR DECREASE IN QUANTITY OF CONTRACT.** The buyer reserves the right at the time of award of contract, with no adjustment in unit price (bid), to increase or decrease the quantity tendered. The buyer also reserves the right to accept or reject any or all the tenders or to waive any informality, minor deviation or omission. Award would be made to the bidder whose responsive bid determined to be the lowest evaluated bid and who meets the specification and other terms and conditions of the tender document.

42. Should the suppliers be adjudged insolvent, the buyer shall have the power to terminate the contract.



43. **DISQUALIFICATION OF OFFER.**

- a. Telex/E-mail/Swift/Fax offer may be considered provided signed copy of Proforma Invoice is received within 24 (Twenty-four) hours from the opening of the tender.
- b. Any addition or alternation to the specification or rate quoted by a firm in the tender after submission not only be ignored but should also render the firms liable to disqualification.
- c. Any tender received late and not strictly confirming to the terms and conditions prescribed in this tender documents not accompanied with the requisite earnest money and the money receipt of tender price and registration certificate may be liable for rejection.

44. **TAXES AND OTHER CHARGES.**

- a. For CFR Chattogram offer, all duties, taxes and other charges levied on the goods by authorities in buyer's country shall be borne by the buyer and shall not be included in the bid price.
- b. Charges of such nature in seller's country or in any country other than the buyer's country shall be borne by the sellers.

46. **BREACH OF CONTRACT.** On any breach of contract by the seller, the buyer may recover the actual loss suffered and the amount may be realized by encashing the performance guarantee.

47. **UNDER TAKING.** The manufacturers/suppliers shall issue a certificate to be effect that they have shipped the goods strictly conforming to the quality and quantity stipulated in the Purchase Order and that they will replace the defective materials and replenish the short-supplied quantity free of charge on demand by the buyer. Such certificate shall form an integral part of the original shipping documents required to be submitted to the bank for drawing of payment against letter of credit by the supplier.

46. **APPLICABLE LAW.** The purchase order shall be interpreted in accordance with the law of the buyer's country.

47. **FORCE MAJEURE.** Should any circumstance arise preventing either contracting party from wholly or partly carrying its obligations under the present contract, namely Natural Calamity, Strike, Riots, firm acts and elements of War, Military Operation of any, Nature, Blockades and any unforeseen event which is beyond human control the period stipulated for the performance of this contract shall be extended or as long as the circumstances prevail. Provided that in the event of these circumstances continuing for more than thirty days, either party may refuse to fulfill its obligations under this contract and in such case neither party shall be entitled to indemnification of any losses it may sustain. The party unable to carry out its obligation under this contract shall immediately advise the other party of the commencement and the termination of circumstances preventing the performance of the contract. A certificate issued by the Chamber of Commerce of the sellers or the buyers' country shall be sufficient proof of the existence and duration of such circumstances.



48. **ARBITRATION.** In the event of any dispute or difference arising out of the terms and conditions as specified above, the same shall be referred to the award of a sole arbitrator appointed by the parties on mutual agreement, failing which it shall be referred to the award of the two Arbitrators, from each side (buyer and seller), or in the case of disagreement between the two arbitrators, to the award of an umpire to be appointed by the two arbitrator in writing ,before proceeding on the reference of the decision of the sole arbitrator or of the two Arbitrators or the umpire as the case may be shall be final, conclusive and binding upon the parties. The provisions of the Arbitration Act 2001 and rules there under and any statutory modification there of shall deem to apply to the said arbitration. The place of arbitration shall be in Bangladesh any statutory modification enactment thereof for the time being in force in Bangladesh shall apply to the arbitration proceeding.

49. The above terms and conditions are not absolute, the Chittagong Dry Dock Ltd., Bangladesh Navy, reserves the right to incorporate additional terms and conditions, if necessary. The Chittagong Dry Dock Ltd. also not bound to accept the lowest tender and reserves the right to reject any or all tenders without assigning any reason whatsoever.

Yours Faithfully



TANVIR AHAMMAD TALUKDAR
Commander BN
For Managing Director

Enclosures:

- | | | |
|--|---|-----------------|
| 1. Format of Price Schedule (Annex-A) | - | 01 (One) Page. |
| 2. Technical Specification (Annex - B) | - | 05 (Five) Page. |
| 3. Format of Bank Guarantee in Lieu of Earnest Money (Annex-C) | - | 01 (One) Page. |
| 4. Format of Performance Bank Guarantee (Annex-D) | - | 01 (One) Page. |

Chittagong Dry Dock Ltd.
Bangladesh Navy, East Patenga, Chattogram

ANNEX - A

SCHEDULE TO TENDER ENQUIRY NO: 23.02.1565.341.53.006.25.380 Date: 27 March 2025

Ser.	DESCRIPTION OF GOODS	QUANTITY	UNIT	PRICE PER UNIT CFR including local agent commission as per manufacture/ principal/ supplier/ quotation/ proforma invoice (Bangladesh currency or equivalent USD/ EURO/GBP etc.)	FREIGHT (for CFR Value only) (Bangladesh currency or equivalent USD/ EURO/GBP etc.)	TOTAL PRICE CFR Value (Bangladesh currency or equivalent USD/ EURO/GBP etc.)
1.	ROTARY SCREW FIXED SPEED DRIVE AIR COMPRESSOR Capacity: Capacity (Free Air Delivery): Not less than 12.0 m ³ /min @ 10 bar pressure. Details technical specification attached at Annex B.	02 (Two)	Sets			
Total =						
In Word:						

N.B. Please mention your offer price in CFR Value

Your quotation no

Signature, Name and Address of the Tenderer Date:

Telephone No:



**TECHNICAL SPECIFICATION FOR ROTARY SCREW FIXED SPEED DRIVE AIR
COMPRESSOR**

1. **Name of the Equipment.** Rotary Screw Fixed Speed Drive Air Compressor.
2. **Purpose.** The rotary screw fixed speed drive air compressor will be used for sandblasting/grit blasting of marine ship's hull, structure, deck, fittings & fixtures and mild steel plates at Chittagong Dry Dock Ltd (CDDL).
3. **Quantity.** 02 (Two) Complete sets.
4. **Country of Origin.** USA, Canada, Japan, UK and EU countries (Name of the country to be mentioned).
5. **Country of Manufacturing.** USA, Canada, Japan, UK and EU countries (Name of the country to be mentioned).
6. **Manufacturer.** Name and full address to be mentioned.
7. **Year of Manufacturing.** 2024 or later. This item should be brand new and of current production.
8. **Document of Authentication.** The local supplier must provide following original certificate(s)/ document(s) with the offer/ quotation of the compressor 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).
 - c. Three certificates/ documents, first one by manufacturer to authorized agent, second one by authorized agent to sub-agent and third one by sub-agent to supplier (in case sub-agent as immediate source). If the supplier is unable to obtain the first certificate (by manufacturer to authorized agent), then it has to produce relevant documents to prove agency-ship of its claimed agent of the recognized manufacturer.
9. **Scope of Supply.** The scope of supply is to include the following:
 - a. Main item (2 x rotary screw fixed speed drive air compressor), complete with all necessary items for immediate operation without the requirement of any other items (attachments, accessories, consumables etc.) (as per paragraph 10 to 15).
 - b. Optional Items and Tools (as per paragraph 16 to 17).
 - c. Spare Parts (as per paragraph 18).
 - d. Documents (user manual, maintenance manual, spare parts catalogue, drawings etc. as applicable) and Certificates (as per paragraph 19).
 - e. FAT and Training (as per paragraph 20 to 21).
 - f. Installation, Test-Trial and Acceptance (as per paragraph 22 to 23).
 - g. Warranty and Guarantee (as per paragraph 24 and 25).

Pr





h. Any other issue relevant (if any).

10. **Designs and Construction.** The rotary screw fixed speed drive air compressor, control panel and associated equipment are to be fixed inside a canopy. The air compressor with all other accessories are to be designed, constructed/ manufactured and tested to the requirement of any internationally recognized Classification Society/ ISO Standard and certificates that effect is to be provided at the time of delivery of the product. The standard to which the rotary screw fixed speed drive air compressor, control panel and associated equipment will be designed, constructed/ manufactured is to be specified in the offer. Rotary screw fixed speed drive air compressor, control panel and associated equipment and all other items are to be newly manufactured with updated design features and modern technologies.

11. **Operating Environment.** The Rotary Screw Fixed Speed Drive Air Compressors are to be designed to operate near sea shore with following ambient conditions:

- a. Ambient air temperature : 5°C - 50°C.
- b. Relative humidity : Up to 98% (Close to seashore, non-condensing).

12. **Technical Parameters.**

a. **General Particulars of the Compressor.**

Serial	Parameters	Description
(1)	Quantity	: 02 (two) set.
(2)	Type	Rotary screw fixed speed drive type.
(3)	Working pressure	: Minimum 10 bar. To be mentioned.
(4)	Capacity (Free Air Delivery)	: Not less than 12.0 m ³ /min @ 10 bar pressure. To be mentioned.
(5)	Rated Motor Power	: To be mentioned.
(6)	Motor Efficiency	: To be mentioned.
(7)	Motor IP	: IP 55 or better. To be mentioned.
(8)	Power Supply	: 400 V (with ±10% Voltage Fluctuation), 3 Phase, 50 Hz. To be mentioned.
(9)	Starting System	: To be mentioned.
(10)	Noise Level	: Not more than 75 dB. To be mentioned.
(11)	Lubricating Oil/ Hydraulic oil	: Grade to be mentioned.
(12)	Dimension (L X B X H) in mm (with canopy)	: To be mentioned.
(13)	Weight	: To be mentioned.
(14)	Compressed Air connector	: At least 2"~ 2.50". To be mentioned.
(15)	Safety Devices	: Details to be mentioned.
(16)	Combined Base Frame	: The rotary screw fixed speed drive air compressor is to be mounted on a structural base frame (To be mentioned).
(17)	Mounting (The compressor set is to be elastically mounted on the base frame)	: Type of compressor mounting (To be mentioned).

b. **Specification of Air Dryer.**

(1)	Quantity	: 01(one) for each set. To be mentioned.
(2)	Brand	: To be mentioned.



(3)	Type	:	To be mentioned.
(4)	Model	:	To be mentioned.
(5)	Manufacturer Name and Address	:	To be mentioned.
(6)	Air flow at outlet	:	Minimum 18 m ³ /min. To be mentioned.
(7)	Working Pressure	:	To be mentioned.
(8)	Refrigerant gas	:	Name of the gas to be mentioned.
(9)	Dimension (L X B X H) in mm	:	To be mentioned.
(10)	Weight	:	To be mentioned.

c. **Filters.** Each compressor discharged air should be pre-filtered and after filtered to ensure best air quality by reducing oil aerosol, wet dust and water drops.

(1)	Pre Filter	:	Number and type of filter fitted to be mentioned.
(2)	After Filter	:	Number and type of filter fitted to be mentioned.

d. **Air Receiver.**

(1)	Quantity	:	01(one) for each set. To be mentioned.
(2)	Brand	:	To be mentioned.
(3)	Type	:	To be mentioned.
(4)	Model	:	To be mentioned.
(5)	Country of origin	:	USA, Canada, Japan, UK and EU countries. To be mentioned.
(6)	Capacity	:	Minimum 1000 Litres. To be mentioned.

13. **Compressor Control and Monitoring.** The brand, type, model and manufacturer of the control system is to be specified in the offer. Following compressor control and monitoring systems are to be incorporated:

- Multifunctional digital screen to control all important parameters (To be mentioned).
- Manual start and stop option.
- Emergency stop option.
- Others (if any) to be mentioned.

14. **Electric Cables.** The supplier is to provide at least 20 meters multi-strand rubber/PVC insulated brand new flexible electric cables (Type-NYY, RM-4x70mm) with each compressor unit (Brand to be mentioned).

15. **Standard Accessories.** Standard accessories must include every item and accessories, which are essential to install and operate the compressor sets whether those are mentioned in the specification or not. A list of items/ accessories are to be provided with item wise price (Price included in the FOB).

16. **Optional Items.** A list of optional items (if any) is to be mentioned indicating item wise price. Technical details of these items should be given in the offer (Price not included in the FOB).



17. **Tools.** One set of general tools are to be supplied for regular maintenance work. A list of such general tools are to be provided with the offer.

18. **Spare Parts.** Original Equipment Manufacturer (OEM) recommended spares i.e. seal, gasket, air filters, oil filters etc. for 02 years trouble free operation after warranty period (Price not included in the (FOB).

19. **Documents.**

a. Documents (in English language) showing detailed particulars and specifications of the compressor and their components are to be submitted with the offer.

b. Two (2) sets of following documents (in English language) are to be supplied during delivery of the compressor:

- (i) Operation and maintenance manual of the compressor
- (ii) Spare parts catalogue of the compressor
- (iii) Electrical circuit diagram, fault finding flow chart, etc
- (iv) Installation instructions including Drawings

20. **FAT (Factory Acceptance Test).**

a. FAT will be carried out at the manufacturer's/supplier's factory premises. FAT will be observed by nominated 02 (Two) officers of CDDL for 04 (Four) days or any agency of buyer's choice at the buyer's expenses. The supplier should inform the buyer about the date and schedule of FAT at least 08 (eight) weeks prior to the date of commencement of the said test. Both way air fare, accommodation and food for CDDL nominated officers or agency will be borne by the buyer. The supplier will be liable to pay any expenses of rejected stores and also for such tests / inspection, which will become payable to the inspector due to multiple intervention/visits and or fruitless visits at the call of and to suit the convenience of the supplier. The Inspector should be provided with all facilities to carry out their job smoothly and without interference.

b. All types of movement/ transportation (air, sea, road, rail) of the team within the manufacturer's/supplier country, reception and arrangement for entry into the country/ concerned area for the FAT are to be arranged by the supplier without any extra cost. After FAT, a joint test report will be prepared and signed by supplier and buyer's representatives.

c. On return from the country of manufacturer/supplier, the FAT team will submit the test report to CDDL authority. The supplier will not make shipment of any item of the contract without clearance from CDDL.

21. **Local Training.** After satisfactory test, trial and commissioning, the supplier's engineer will provide onsite training a period of 03 working days. During training, emphasis is to be given on operation, maintenance and faultfinding. The cost of boarding, lodging etc, for the supplier engineer is to be borne by the supplier.

22. **Installation.** The buyer will install the compressor set (If required) as per installation drawings and instructions from the supplier/manufacturer. The supplier/manufacturer will hand over two Rotary Screw Fixed Speed Drive Air Compressor set with all of it's accessories in turnkey basis.

23. **Test, Trial, Commissioning and Acceptance.** The supplier/manufacturer representative will carry out test, trial and commissioning of the supplied Rotary Screw Fixed Speed Drive Air Compressor sets with associated equipment at the buyer's premises at CDDL, Chittagong and handover the items in fully operational condition. After successful test, trial and

Handwritten signatures



commissioning, an acceptance report will be signed jointly by the representative of supplier/manufacture and the representative of the buyer.

24. **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 compressor set remain 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 services (including service engineer's cost) throughout the warranty period. For warranty repair/ replacement, the supplier will collect the defective item from CDDL, Chittagong and re-supply the same to collecting place within 30 (thirty) days at their own cost and risk.

25. **Guarantee.** The supplier will guarantee to supply the spares (from manufacturer) for at least 10 years with reasonable price. Yearly increase of price of spares should not be more than 5%.

26. **Compliance.** A compliance statement in tabular form 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 compressors, the deviation has to be spelt out clearly.

27. **General Remarks.** It is to be understood that anything not mentioned in this technical specification but shall be necessary for proper functioning of the compressor sets must be included in the offer by the supplier.

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Handwritten signature
General Manager 17.03.2025
Ship Repair

