

**Chennai Metro Rail Limited, Chennai 600107, India.****NIT No: CMRL/RS/56/2019**CMRL invites online tenders through e-procurement portal from reputed suppliers under **Single bid system** for the following work:-

1	Name of the work	Tender for "Supply, Installation, Testing and Commissioning of Screw Compressor with Air dryer for Train Wash plant at CMRL Koyambedu Depot on buyback basis of the 1. existing compressor in Train Wash Plant".
2	Details of Techno-Commercial and Financial bid	Techno-Commercial Bid:- i. Technical & Commercial documents with all Annexures.
		Financial Bid:- i. Price Schedule in Excel format (BOQ).
3	Earnest Money Deposit (EMD)	Nil
4	Tender validity	180 days from the date of opening of bid.
7	Publishing of tender in e-procurement portal	19.11.2019
8	Tender Documents	The Tender Documents can be downloaded from CMRL website www.chennai-metro-rail.org . & CPP portal " http://eprocure.gov.in/eprocure/app ".
9	Tender Inviting Authority.	Joint General Manager (RSO), Address - Chennai Metro Rail Limited. Admin Building, CMRL Depot, Poonamallee High Road, (Adjacent to Koyambedu Metro Station), Koyambedu, Chennai – 600107 Email – jgmrs@cmrl.in.
11	Last date for up-loading of Tender document in e-procurement portal	17.12.2019 upto 1400 hrs
12	Date and Time of Opening of Tender (Techno-Commercial & Financial Bid) in e-procurement portal	18.12.2019 at 1500 hrs
13	Bank Account details of Chennai Metro Rail Ltd	i. Bank name : CANARA BANK, Teynampet branch, Chennai ii. Account no: 0416214000030 iii. IFSC Code : CNRB0000416
14	Bidders barred from bidding of this tender:-	Single or JV under suspension, debarred, black-listed by GOI, GOTN, PSUs, Metro Rail Corporations, CMRL or whose contracts were terminated as on date of submission of bid are ineligible to apply for this tender.

Note: If the date of submission of tenders happens to be a Public Holiday, then tender will be opened on the next working day at the same venue and time.

With regards,

S. Satheesh Prabhu,
Joint General Manager (RSO),
Chennai Metro Rail Limited.



Chennai Metro Rail Limited

(A Joint Venture of Govt. of India and Govt. of Tamil Nadu)

NIT.No: CMRL/RS/56/2019

Date: 19.11.2019

Sub: E-tender for “Supply, Installation, Testing and Commissioning of Screw Compressor with Air dryer for Train Wash plant at CMRL Koyambedu Depot on buyback basis of the 1. existing compressor in Train Wash Plant”. – Invitation of online bids.

Chennai Metro Rail Limited (CMRL) invites online tenders from reputed manufacturers & suppliers through e-procurement under Single bid system for “Supply, Installation, Testing and Commissioning of Screw Compressor with Air dryer for Train Wash plant at CMRL Koyambedu Depot on buyback basis of the 1. existing compressor in Train Wash Plant” as detailed below:-

Sl.No.	Name of the Item	Qty.	Specifications.
1.	Screw Compressor with Air dryer	1 no	Detailed technical specification and compliance sheet attached as <u>Annexure -A</u>
2.	Buyback of existing compressor	1 no	Details of existing compressor attached as <u>Annexure-B</u>

1. Scope of work:-

- i. The supplier shall Supply, Installation, Testing and Commissioning of Screw Compressor with Air dryer for Train Wash plant at CMRL Koyambedu Depot on buyback basis of the 1. existing compressor in Train Wash Plant.
- ii. The supplier shall quote the considering the buyback value and other charges if any.
- iii. The supplier shall deliver the Screw Compressor with Air Dryer at Rolling stock Stores at their own cost.
- iv. Supplier shall arrange his own equipment (like crane, etc.) which may be required for installing the Screw Compressor at the Control room of Train Wash Plant.
- v. The supplier shall quote the rate including accessories, man power, and power cables with necessary accessories etc. required for installation.

2. Special Condition:-

- i. The bidder may visit the site and confirm with measurements, infringements and the condition of the existing compressor assembly in CMRL Koyambedu depot.
- ii. Buyback – The buyback will be on “as is where is” basis. The price pertaining to buyback shall be subtracted by the bidder from the Price of the new ‘Screw Compressor with air dryer unit’ and the net amount (after subtracting the buyback price) shall be quoted by the bidder in the Price document (BOQ).

Quoted Price of the New Screw compressor with air dryer in BOQ = ‘Price of the New Screw compressor with Air dryer’ minus ‘Buyback Price for the existing compressor’.

- iii. The compressor under the buyback option shall be received and transported by the selected bidder at their own cost.
- iv. Electricity required during installation will be provided by CMRL free of cost.
- v. A competent supervisor shall be available during installation, testing & commissioning.
- vi. The newly supplied compressor shall be suitable to be fitted in the same location of the existing compressor.

3. Instructions to the Bidders:

a. CPP portal: The procurements of goods and services of CMRL will be done through e-procurement. This is implemented to ensure free & fair vendor participation, and to ensure greater transparency in procurement.

b. Eligibility to participate in tender:

- i. Tenders are open to all eligible bidders. In order to submit the bid, the bidders have to get themselves registered on-line on the e-procurement portal (<http://eprocure.gov.in/eprocure/app>) with valid Class II/ III Digital Signature Certificate (DSC) issued from any agency authorized by Controller of Certifying Authority (CCA), Govt. of India.
- ii. The on-line registration of the bidders on the portal will be free of cost and one time activity only. If the bidder is an individual person then he should register himself under “**Individual**” **category** and if the bidder is a proprietorship firm/partnership firm/Joint venture/company/consortium then registration should be under “**Corporate**” **category**.
- iii. The registration must be in the name of bidder, whereas DSC holder may be either bidder himself or authorized person.

c. Enrolment:

To participate in e-procurement all vendors must enroll themselves with the CPP portal. The procedure mentioned below is to be followed:

- i. Go to “<http://eprocure.gov.in/eprocure/app>” web site.
- ii. Click on “**Click here to enroll**”. It will take you to ‘**on line enrolment**’ screen.
- iii. Against **User type**, select either ‘**individual**’ or ‘**corporate**’.
- iv. Specify your **log in ID**, indicated in the application while applying for DSC.
- v. Create your own **password**. Before creating, refer to ‘**Password Policy**’ that appears on the right side of the screen. Password should be in accordance with that policy.
- vi. **Confirm the password** once again.
- vii. Click on “**Next**”.
- viii. You will see a screen which will have several fields. Please fill as many fields as possible, but keep in mind **to fill all mandatory fields which are marked with an asterisk (*)**.
- ix. After entering the fields, click on “**Submit**”.
- x. You will get a message that Log in ID registered successfully, that completes your entry.

d. The bidder shall submit the bids on line in the system available at the e-procurement portal (<http://eprocure.gov.in/eprocure/app>). The bidder has to agree to the on-line user portal agreement. Then only the system will permit the bidder to proceed further in the system.

e. The bidder shall fill all mandatory fields indicated by an asterisk (*). All documents indicated to be submitted in 'cover details' are to be enclosed without fail. These documents are to be uploaded only in .doc or .pdf or .jpg or .rar formats.

f. **Price Bid:**

i. The Price bid containing the Price schedule will be in excel format and the bidder shall quote the rates, taxes & duties etc. for his offered services on this excel file only. Where, any row or column is not applicable, the bidder has to indicate '0' against this and no cells shall be left blank.

ii. Lowest bidder shall be chosen on the value as specified in "Total" value (inclusive of all taxes, duties and other charges) of the price schedule.

iii. The bidder may modify and resubmit the bid on-line, if he wishes so, before the bid submission date and time.

iv. The system will accept only the last submitted bid. Bidder can find out the status of his tender on line, any time after opening the bids.

v. **The bidder shall not rename the Price Schedule file (BOQ) or modify the format while uploading in the system. The file name should be the same as the file given in the tender.**

vi. All bids are to be submitted on-line on the website (<http://eprocure.gov.in/eprocure/app>).

g. **Withdrawal of bid:** The bidder may withdraw already submitted bid before the bid submission date and time.

4. **Warranty & Guarantee:**

a. Supplier is required to, without charge, repair or rectify defective goods or to replace such goods with similar goods free from defects. Any goods repaired or replaced by the supplier shall be delivered at the CMRL premises without costs to the CMRL.

b. Minimum **one** year warranty / guarantee (**applicable from the date of Acceptance of the items by CMRL**) should be given in the form of certificate indicating the warranty period along with the terms & conditions for the warranty / guarantee.

5. **Annual maintenance Contract (AMC):**

i. The bidder shall provide AMC services for a period of 5 years, after the successful completion of Warranty period. Location for carrying out AMC obligations shall be at CMRL Koyambedu Depot.

ii. Charges for AMC for 5 years shall be quoted in the Price document (BOQ). This will be included for the Price bid evaluation.

iii. Payment during AMC period shall be on yearly basis i.e. after the completion of each year's AMC. The value of yearly payment shall be 'quoted price of AMC divided by 5'.

iv. The AMC charges include preventive maintenance, replacement of consumables with trained manpower. However, the cost of spares, if any, to be replaced shall be paid separately by CMRL.

v. Payment for spares will be subject to the condition that failure is not due improper preventive maintenance carried out by the vendor. The list of spares that requires likely replacement in 5 years period, along with rates, shall be given by the Contractor as part of tender submission.

vi. AMC payment shall be against the invoice submitted by the Vendor. Certificate from CMRL for

- satisfactory completion of yearly AMC shall be obtained and attached along with the invoice.
- vii. No advance shall be paid during the AMC period.
 - viii. Price escalation/variation shall not be applicable.
 - ix. Statutory variations for price components such as taxes, etc. shall be allowed.

6. Delivery details:

The item supply, installation, testing and commissioning shall be completed at Koyambedu Depot within 04 weeks from the date of receipt of Purchase Order/ Letter of Acceptance.

7. Evaluation of Quotation:

- i. All quotations will be evaluated and compared based on the substantial responsiveness to the technical specification and commercial conditions set out in the bidding documents and fully conforming to the terms and conditions.
- ii. The tenderer has to completely fill all the spaces in price schedule in excel format and upload the same as financial bid.
- iii. The techno-commercial bids and financial bids will be decrypted and opened online, on or after the scheduled dates and time. Till such time, the bids will be only in the encrypted form. After the scheduled time, the bids will be opened by stipulated bid openers with their Digital Signature Certificates (DSC). The technical-bids shall be evaluated based on the information furnished by bidders. If any clarification is required from bidder, CMRL will seek such clarifications.
- iv. Bids will be evaluated on the value as specified in “**Total**” value (inclusive of all taxes, duties and other charges) of the price schedule.
- v. The system will generate a comparative statement. Therefore, all costs are to be indicated in the price schedule format. The successful bidders will get the information regarding the status of their financial bid and ranking of bidders on website.
- vi. The purchase order will be issued to the lowest techno-commercially qualified bidder subject to fulfilling other requirements specified in this tender document.
- vii. No representations will be entertained in the matter of selection of the L1 bidder.
- viii. CMRL reserves the right to accept or reject any tender without assigning any reason thereof at any stage. CMRL reserves the right to alter the conditions of the tender schedule in appropriate cases, in the interest of CMRL.
- ix. CMRL reserves the right not to return back or disclose any documents that are submitted along with this tender.

8. Payment terms:

100% payment pertaining to supply, installation, testing and commissioning would be released through RTGS/NEFT within thirty days on receipt and acceptance of items against the following documents:

- a) Original invoice duly signed by the authorized signatory
- b) Item acceptance certificate duly signed and sealed from authorized representative of CMRL after delivery and installation of all the items as mentioned in P.O.
- c) Warranty certificate for the items supplied.

In case if you are registered under MSME Act, 2006, the copy of the registration certificate to be provided.

Payment terms pertaining to AMC is already covered under section 6 above.

9. Validity of Quotation:

Quotation shall remain valid for a period of **180 days** from the date of submission.

10. Supply of items:

The number of item to be supplied is indicative only and the same may be varied during the period of bid validity period. The bidders should provide the item as per the rate quoted in the bid based on the requirement of CMRL.

11. Performance Security:

- i. To ensure due performance of the contract, Performance Security is to be given from any **Scheduled Bank in India** by the successful bidder awarded to the contract.
- ii. **Performance Security will be 10% of the quoted value in the Purchase Order/Letter of Acceptance.** Performance Security may be furnished in the form of an account payee demand draft payable in Chennai from any **Scheduled Bank in India**, in favour of **“Chennai Metro Rail Limited”** or irrevocable bank guarantee in a prescribed form.
- iii. ***Within 14 days of the receipt of notification of award from the Purchaser, the successful Bidder shall furnish the performance security in accordance with the Conditions of Contract, in the Performance Security form provided in the bidding documents.***
- iv. **Performance Security should remain valid for a period of 02 months beyond the date of completion of all contractual obligations of the supplier including warranty and AMC obligations.** No interest will be paid for the Performance security during the validity period.
- v. The proceeds of the performance security shall be payable to the CMRL as compensation for any loss resulting from the Supplier’s failure to complete its obligations under the Contract.

12. Bidder details:

The bidder has to fill in the vendor detail form enclosed with this tender document as **Annexure-C** and same shall be uploaded in CPP portal along with the bid.

13. Jurisdiction:

All questions disputes or differences under, out of, or in connection with contract if included shall be subject to the exclusive jurisdiction of the court within the Chennai Jurisdiction. The English language shall be the official language for all purposes.

14. Acceptance of terms & conditions:

Bidders are requested to submit the sealed and signed copy of this tender document along with quotation as acceptance of all terms & conditions.

- 15.** In the event of the contractor backing out/violation of the contract in the midway without any explicit consent of CMRL, the contractor will be liable for the recovery of higher rates vis-a-vis con-

tracted rates, which may have to be incurred by CMRL on procurement of said item by alternative means.

16. Late/delayed tenders by any means shall not be accepted by CPP portal. Any other means of tender submission will not be accepted by CMRL. The Tender Inviting Authority is

Joint General Manager (RSO)
Chennai Metro Rail Limited,
CMRL depot, Admin Building, Poonamallee High Road,
(Adjacent to Koyambedu Metro Station), Koyambedu,
Chennai – 107.
E-Mail – jgmrs@cmrl.in.

17. It shall be the responsibility of the tenderer to ensure that his tender is submitted on time before the deadline of submission through CPP portal.

18. Amendment of bid document:

At any time prior to the deadline for submission of bid, the CMRL may for any reason, whether at its own initiative or in response to clarifications requested by a Bidder, modify the bid document by the issuance of addenda on its official website www.chennai-metro-rail.org and the e-procurement portal (<http://eprocure.gov.in/eprocure/app>) or through email.

With regards,

S. Satheesh Prabhu
Joint General Manager (RSO)
For & on behalf of CMRL

Note:- If due to any exigency, the due date for opening of tender is declared closed holiday, in such case the tenders will be opened on next working day at the same time or any other day/time as intimated by the CMRL.

Sr. No.	Technical Compliance	To be filled and signed by the bidder	
	Particular	Compliance (Write YES or NO only)	If NO, state the deviation
i. Air Compressor			
1	Compressor type : Screw Compressor		
2	Drive : Poly-V belt drive with easy to adjust belt tension control		
3	Capacity: Free air Delivery (FAD): 21 cfm or more.		
4	Maximum effective working pressure: 10 bar		
5	Type of Cooling medium : Air		
6	Power : 7.5 HP		
7	Electrical Connection : 400v / 3 phase / 50 Hz		
8	Noise level shall not be more than 68 dB(A) from one meter distance from the compressor.		
9	<p>Compressor & Pneumatics accessories :</p> <p>a. Set of filters (Pre-filter, Line filter, Fine filter & oil Filter.)</p> <p>b. Set of valves (pressure relief valve, drain valve, Auto drain valve, isolation valve, load/unload valve & other valves)</p> <p>c. Oil Separator & integrated Oil/Air Cooler.</p> <p>d. Pressure switches – to switch On/Off the Compressor.</p> <p><i>Note: All the above said accessories are to be provided in the appropriate location of the compressor and dryer assembly to deliver dry and clean compressed air of the required quantity.</i></p>		
ii. Air dryer			
1	Air Dryer: Refrigerated type Air Dryer, suitable for application of the above Compressor to deliver dry compressed air of the required quality.		
iii. Air Reservoir			
1	Air Reservoir capacity : 200 litres or more		
2	Air reservoir Test Pressure: 15 bar or more (Test Certificate required) Reservoir tank fitted with safety valve, Pressure gauge & Drain Valve.		

iv. Preferred Brands			
1	Preferred Brands: Atlas Copco, Chicago Pneumatics, Curtis, Ingersoll-Rand or Kobelco compressor		
v. Others			
1	All pages in tender document is duly signed and stamped.		
2	Technical compliance statement (Annexure- A) is signed and stamped.		
3	Option of buyback considered and value deducted in the Price bid		
4	List of spares that requires likely replacement in 5 years AMC period, along with rates is attached		
5	Vendor Information form (Annexure-C) is signed and stamped.		

Location of installation – Inside the control room of Automatic Train Wash plant in CMRL Koyambedu Depot

The following accessories to be available in the Console panel.

- Analog and digital Pressure gauge
- Load/Unload valve status
- Motor overload status
- Compressor Load and unload hours status
- Pressure switch status
- Auto start/stop
- Emergency stop & Reset options
- Air Dryer Status
- Temperature of oil and Oil level status
- Compressed Air: pressure & temperature status.
- Electrical fault indication
- Alarm indication, in case of Compressor trip.

Other conditions

- QUALITY OF DELIVERED AIR: Compressor unit should deliver compressed air according to ISO – 8573-1, *(certificate shall be produced by the supplier)*
- Air Dryer By-pass Option shall be available
- Warranty: Minimum 01 year.

Documents required to be submitted

- Certification for pressure vessel
- Complete Operation and Maintenance manual

Details of the Existing compressor offered for buyback

Description	Existing compressor (Newco, Italy)
Type	Piston type, lubricated
Drive	Belt drive
Stage	2 stage
Cylinder	2 cylinder
Piston Displacement	21cfm
Working pressure	11 bar
Cooling	Air natural
Mounting	Tank mounted
Tank capacity	500ltr
Electric motor	HP 7.5, 400VAC, 3Phase, 50Hz
RPM	2880
Make	Newco, Italy

Vendor Information Form

Note: Bidders are requested to furnish the following information and enclose along with quotation.

Name & Address of the Company :					
Name & Designation of the key person					
Contact information	Mobile no:	Telephone No :	Fax No:	Email :	
<u>Bank details</u>					
Beneficiary name					
Bank account no.					
Bank name					
Bank address					
IFSC					
PAN no.					
GST no.					