



Chennai Metro Rail Limited
(A Joint Venture of Govt. of India and Govt. of Tamil Nadu)

NIT. No. : CMRL/MMD/501/P-107/TEN/2016

Date: 15.02.2016

To,

Sub: Invitation of sealed quotation for “Procurement of Electronic Track Based Curve Rail Lubricators”

Chennai Metro Rail Limited (CMRL) is a Joint Venture of Government of India (GoI) and Government of Tamil Nadu (GoTN) is entrusted for implementation of Metro Rail project in Chennai City. Sealed quotations are invited from the agencies for the item “**Procurement of Electronic Track Based Curve Rail Lubricators**” with following details:-

Sr. No.	Name of the Item	Qty. (No)	Specifications.
1	Electronic Track Based Curve Rail Lubricators	02	Detailed technical specifications are attached in <u>Annexure -A</u>

1. BID SECURITY (EMD - EARNEST MONEY DEPOSIT):

- i. The EMD shall be made payable without any condition to the CMRL. A demand draft from in favour of “**Chennai Metro Rail Limited**” payable at Chennai should be submitted along with the bid as bid security, for the amount of **Rs.11,880.00/- (Rupees – Eleven Thousand Eight Hundred and Eighty Only)**.
- ii. All tenderers (including those who possess NSIC, SSIC, etc certificate holders) should submit EMD along with the bid documents. Any bid document submitted without the EMD in the approved form will be summarily rejected. **No interest is payable for the EMD amount.**
- iii. Bid securities of the unsuccessful bidders will be returned at the earliest after expiry of the final bid validity & latest on or before the 30th day after the award of the contract.
- iv. EMD of successful bidders will be returned back within 30 days of delivery of items.
- v. EMD of the bidder shall stand forfeited if he revokes or cancels his tender after submission or vary any terms thereof without the consent of the CMRL.

2. SPECIAL CONDITION:

The agency should submit the brochure for the quoted product & deviation statement (annexed in **Annexure –B**). If any deviation, same should be mentioned clearly.

3. BID PRICE:

The prices should be quoted in Indian Rupees with delivery of item at CMRL failing which the bid would be rejected. The rates quoted by the bidder shall be fixed for the duration of the contract and shall not be subject to adjustment on any account.

- Any variation arises between the Unit Rate and the corresponding quoted Total Cost then the Unit Rate will prevail for calculating the Total Cost.
- In case of any discrepancy between the prices quoted in words and in figures, lower of the two shall be considered.
- Conditional bids would be summarily rejected.
- Price should be quoted as per price schedule attached at Annexure –C.

4. DELIVERY PERIOD:

Material should be delivered at JGM (Tracks), Admin Building, CMRL depot, Poonamalle High Road, Opposite to Daniel Thomas School, Koyambedu, Chennai 600 107, within 30 days after receipt of P.O and firm shall complete the installation of Machine within 30 days after receipt of the materials.

5. EVALUATION OF QUOTATION:

- a. The quotations would be evaluated and compared based on the substantial responsiveness to the technical specifications and commercial conditions set out in bidding documents and which are properly signed confirming the terms and conditions.
- b. The tender will be evaluated on “Total bid price”, which is the total value as per price schedule.
- c. Any decision of CMRL will be binding and final. No representations will be entertained in the matter of selection of the L1.

6. PERFORMANCE BANK GUARANTEE:

- i. To ensure due performance of the contract, Performance Security is to be given from only Public Sector Bank by the successful bidder awarded to the contract.
- ii. Performance Security will be 5% of the value of the contract. Performance Security may be furnished in the form of an account payee demand draft, fixed deposit receipt from a commercial bank, bearing CMRL name, irrevocable bank guarantee deemed in a prescribed form.
- iii. Within 28 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 90 days beyond the date of completion of all contractual obligations of the supplier including warranty obligations. No interest will be paid for the Performance Bank Guarantee during the validity period of B.G.
- 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.
- vi. If the successful Bidder fails to furnish a Performance Bank Guarantee, then the Earnest Money Deposit shall be liable to be forfeited by the Purchaser.

7. PAYMENT TERMS:

- i. The quoting price should be inclusive of transportation charges, loading, unloading, installation, testing, commissioning and inclusive of all taxes, duties, and freight and insurance costs.
- ii. 100% payment would be done within 30 days after successful testing and commissioning of unit and submission of following documents:-
 - a) Installation manual,
 - b) Operational manual,
 - c) Maintenance manual,
 - d) Service manual,
 - e) Part manual,
 - f) Warranty manual,
 - g) Certificate of purchase of having receipt of Performance guarantee bond.
 - h) Work test certificate,
 - i) Packing list,
 - j) Certificate of stores consignee for receipt of stores as per purchase order.
 - k) Original invoice duly signed by the authorized signatory
 - l) Item Acceptance Certificate duly signed and sealed from authorized representative of CMRL after delivery of all the items in full quantity as mentioned in Purchase Order.
 - m) PAN Card, Bank Account Details, Bank address & RTGS details of the Agency are to be forwarded along with the Invoice.
- iii. In case if you are registered under MSME Act, 2006, the copy of the registration certificate to be provided.

8. VALIDITY OF QUOTATION:

Quotation shall remain valid for a period of 90 days from the date of bid opening.

9. AGENCY DETAILS:

The Agency to fill in the vendor detail form enclosed with this Tender Document as **Annexure-D** and same may be forwarded along with quotation.

10. JURISDICTION:

The court of jurisdiction is Chennai. The English language shall be the official language for all purposes

11. 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.

12. QUOTATION SUBMISSION:

Quotation should be submitted on or before the date & time mentioned below:

<i>Sr. No.</i>	<i>Particular</i>	<i>Schedule of tender opening</i>	
		<i>Date</i>	<i>Time</i>
1.	Last date for submission of bid document	<i>08.03.2016</i>	1500 Hrs
2.	Opening of Bid document	<i>08.03.2016</i>	1530 Hrs

You are requested to provide your offer in the sealed quotation addressed to

“Manager (Depot -Mech),

Chennai Metro Rail Limited, General Stores

CMRL depot, Poonamallee High Road,

(Opp. to Daniel Thomas School)

Koyambedu, Chennai – 107”

E-Mail – mmd.cmrl@tn.gov.in

**With “Sealed Quotation for Procurement of Electronic Track Based Curve Rail Lubricators
& Do not open Before 1530 Hrs. on 08th March 2016” written on top of the envelope.**

We look forward to receiving your quotations and thank you for your interest.

With regards,

**T.P.Vinod Kumar
DGM (Proc/MM/HR.)
For & on behalf of CMRL**

Note:-

- i. Quotation received after the stipulated time will not be accepted and considered. Bidders are advised to send their sealed bid preferably by Courier or in person at above address. CMRL will not be responsible for any postal delay.
- ii. 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.
- iii. The authorised representatives, who intend to attend the tender opening, are to bring with them authority letter or company identity proof from the corresponding tenderers. In case of non-submission of authority letter or company identity proof, the concerned representative will not be allowed to attend the tender opening meeting.

Technical Specifications

Lubricating system should be suitable for standard gauge, ballastless track on viaduct plinth type having derailment guards along both the rails.

1. **System should be able to work under following service conditions:-**

- a. Rail temperature - (-) 10°C to (+) 70°C
 - b. Ambient temperature – 20°C to 50°C
 - c. Humidity - 40-100%
 - d. Atmospheric condition- Very dusty
- i. On Chennai Metro Rail network the electrified traction consists of overhead electric system of 25KV AC with residual return current passing through one of the rails in the track. The voltage for track circuits for signaling purpose is passing through the other rail.
 - ii. The lubricator system should be able to work in above stated electric traction and signaling system and its induction effect.
 - iii. The lubricator system should be such that it does not affect existing signaling system on track.
 - iv. The firm should offer proven technology with lubricator and lubricant supplied by them and working satisfactorily in any reputed railway system of the world of similar environment prevailing in India. Certificate in this regard from relevant railway system shall be furnished.

2. **DOCUMENTS TO BE SUPPLIED:-**

The agency should supply the following documents while supply of items:-

- i. Installation Manual.
- ii. Maintenance Manual
- iii. Service Manual
- iv. Part Manual

3. **Function:**

The applicator system should be an electrically powered pumping system for delivering an adjustable quantity of lubricating material to the rails in a manner such that passing wheels, either all or nominated would carry the designed amount of lubricant along the gauge face of rails.

4. **System Description:-**

- i. The application system must be proven system and should be functional in all climatic conditions in Chennai.
- ii. The application system should consist of a rail-mounted wheel sensor, a control box, an AC to DC converter, a motor, a pump, a tank with a cover and a material distribution system of hoses and applicators attached to the rails.
- iii. The whole system should be compatible with the lubricant as defined below:-

- a. BOX design without solar system most preparable and it should be suitable for ballastless, plinth type standard gauge track.
- b. Electrical Protection-Capable of working on single phase 220VAC with fluctuation of 180-260V.
- c. Vehicle Detection System-Electrical
- d. Greasing Drum Capacity- 20l
- e. Grease quantity to be supplied with each machine- 50l

5. **Lubricant:**

- i. A suitable lubricant for metro rail road traffic should be used which is compatible with the system. The carry down effect should be minimum 1.0 kms.
- ii. Carry down effect is the distance from the location of lubricators, fixed in the traffic direction of rail traffic up to which lubricant should be carried by wheel flange effectively to reduce the rail wear and to fulfill all the performance requirements mentioned in these specifications.
- iii. The lubricant should be non-inflammable, non-toxic and non-health hazard. It should not give adverse effect on rolling stock components and track components i.e. rails, fastenings, etc.
- iv. Lubricant should be resistant to both water and high temperatures. It should not get washed away in rain/ moist conditions and also should not get softened or rundown during high temperatures prevailing in Chennai.
- v. *Performance certificate for satisfactory service of the lubricant for various functional requirements as stated above in similar environment as prevailing in Chennai must be submitted by supplier along with his offer. Such performance certificates should be issued by relevant user Railways.*

6. **DOCUMENTATION:**

Calibration, operation, maintenance and troubleshooting manuals should be prepared in detail to the satisfaction of Chennai Metro Rail Limited and supplied *in 06 copies each*.

7. **PERFORMANCE CERTIFICATE:**

- i. The application system (Lubricator and Lubricant) must be proven and should be functional in all climatic conditions in Chennai.
- ii. *Performance Certificates in this regard from user railway systems shall be furnished by supplier along with the offer.*

8. **SPARE PARTS**

- i. *Expected life of components should be listed along with their condemning limits.* The component should be detailed in a separate list indicating description, part number, quantity and whether imported or indigenous.

- ii. ***The supplier should furnish list of components/spare parts*** which are expected to be required for trouble free operation and maintenance of the system for a period of 03 years after the warranty period indicating their description, part number, equivalent international part number, quantity and price.
- iii. ***The price so quoted shall be valid for at least 02 years*** after the expiry of warranty period. The CMRL reserves the right to purchase these spares along with system and/or after expiry of warranty period.
- iv. ***The manufacturer shall also guarantee availability of all required spare components to ensure trouble free service for at least 10 years after warranty.***
- v. For parts to be procured from the market, imported or indigenous, ***the sources and details should be provided.***

9. **TOOLS:**

- i. All tools including measuring equipment's required for diagnostics/fault finding and normal maintenance/repair should be supplied as a complete kit.
- ii. ***The list of such tools and equipment proposed to be supplied with system should be furnished as a part of maintenance/repair manual.***

10. **WARRANTY & GUARANTY.**

- i. The supplier should ensure that system supplied including all parts, components etc. used is free from faults in manufacturing, design, material, workmanship and should be of the highest quality and in conformity with the contract specifications.
- ii. The warranty shall expire after **24 (twenty four) months** from the date of acceptance i.e. from the date of issue of commissioning certificate after field validation of the system by CMRL.
- iii. Any part of the rail lubricating unit failing or proving unsatisfactory in service due to defective design, material or workmanship **within two years** from date of issue of commissioning certificate shall be replaced by the suppliers at his own expense.
- iv. In the event of immobilization of rail lubrication unit owing to defect in design, material or workmanship, this warranty period shall be extended for the duration of the said period of immobilization.
- v. Further, should any design modification be made in any part of the equipment offered, the period of 24 months would commence from the date of modified part is commissioned in service. The cost of such modification shall be borne by the supplier.
- vi. **The time limit for attending the defects during warranty period by the service engineer of supplier is 10 days from the date of registering of the complaint with him. A penalty of 1% of purchased price of the equipment, per week or part thereof, shall be imposed for delayed attention.**

11. **TRAINING:-**

- i. Supplier should provide adequate training to officials of Chennai metro rail track making procurement, in calibration, operation, repair and maintenance of the system.
- ii. The theoretical part of the training regarding repair and maintenance including explanation, flow chart etc. shall be completed before installation of system in the field.
- iii. A complete training program covering system installation, operation, troubleshooting and maintenance should be offered, which shall be inclusive in the offer.
- iv. This will be imparted during installation or any other suitable time mutually agreed by CMRL and the firm, to the satisfaction of CMRL.

12. **AMC – ANNUAL MAINTENANCE CONTRACT:**

- i. Annual Maintenance Contract (AMC) for a period of minimum *03 years after completion of warranty period will be applicable.*
- ii. The cost of AMC should be quoted as per price schedule attached at Annexure –C. The AMC quote should be without spares.

Deviation Statement By Bidder

The following are the deviations and variations from and exceptions to the specification and bidding document for “Procurement of Electronic Track Based Curve Rail Lubricators”. These deviations and variations are exhaustive. Except for these deviations and variations, the entire work shall be performed as per CMRL’s specification and documents.

Sr. No.	Ref. Clause no.	Details of deviation

Signature & Stamp of the Bidder
Date:

Price Schedule								
Sr. No.	Item	Qty. (No)	Make/Model	Rate Per unit (in Rs.)	Amount for 2 nos. (in Rs.)	Tax		Total Amount including taxes (Rs.)
						In %	In Rs.	
1	Electronic Track Based Curve Rail Lubricators	02						
2	Any other charges, if any, please specify (in Rs.) – like delivery, transportation, installation charges etc.							
3	<u>Total amount including taxes and all other charges in figures (in Rs.)</u>							
4	<u>Total amount including all charges in words (in Rupees)</u>							

Note: Price quoted should be inclusive of delivery & all other additional charges

Sr. No.	Particular	Qty.	Charges for AMC (in Rs.) for a period of minimum 03 years after 24 months for 02 nos.	Tax in % & Rs.		Total amount including taxes (Rs.)
				%	Rs.	
1.	AMC for Electronic Track Based Curve Rail Lubricators without spares	02 nos.				
2.	<u>Any other charges (Rs.)</u>					
3.	<u>Total amount including taxes and all other charges in figures (in Rs.)</u>					
4.	<u>Total amount including all charges in words (in Rupees)</u>					

Signature & Stamp of the Bidder
Date:

Vendor Information Form

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>				
Bank name				
Bank address				
Bank account no				
IFSC code				
PAN No.				
Service tax no.				

Signature & Stamp of the Bidder
Date: