



**NATIONAL CENTER FOR COMBUSTION RESEARCH  
AND DEVELOPMENT (NCCRD)  
INDIAN INSTITUTE OF TECHNOLOGY MADRAS  
CHENNAI – 600036, INDIA**

**Ref. No. ICS/11-12/013/DSTX/TSUN**

**Date: 26 May 2016**

**Due date: 15 Jun. 2016**

**Item name: Overhead Crane for Automotive Engine Lab (4 nos.)**

1. Quotations are invited in a **two bid system** for the items shown overleaf (in Annexure I). The offers / bids should be submitted as Technical bid and Financial bid. The Technical bid should consist of all technical details / specifications only. The Financial bid should indicate item-wise price for each item and it should contain all Commercial Terms and Conditions including Taxes, transportation, packing & forwarding, installation, guarantee, payment terms, pricing terms etc. The Technical bid and Financial bid should be put in separate covers and sealed. Both the sealed covers should be put in a bigger cover. The Tender for supply of “ \_\_\_\_\_ ” should be written on the left side of the Outer bigger cover and sealed.
2. The quotations should be valid for sixty days from the due date and the period of delivery required should also be clearly indicated.
3. The total cost of the equipment in terms of CIP Chennai should be clearly mentioned.
4. Terms of warranty and guarantee should be explicitly mentioned.
5. Packing and delivery charges, customs and clearance duty should be clearly stated.
6. Goods shall not be supplied without an official supply order.
7. Local firms : Quotations should be for free delivery to this institute. If quotations for ex-godown delivery charges should be indicated separately.
8. Firms outside Chennai: Quotations should be for F.O.R. Chennai. If F.O.R. consignor station, freight charges by passenger train / lorry transport must be indicated. If ex-godown, packing, forwarding and freight charges must be indicated.
9. The rate of sales / general taxes and the percentage of such other taxes legally leviable and intended to be claimed should be distinctly shown along with the price quoted. Where this is not done, no claim for sales / general taxes will be admitted at any stage and on any ground whatsoever. The taxes leviable should take into consideration that we are entitled to have Concessional Sales Tax (CST) applicable to non-government educational institutions run with no profit motive for which a concession sales tax certificate will be issued at the time of final settlement of the bill.
10. Payment : Specify the mode of payment and if advanced payment has to be made. Every attempt will be made to make payment within 30 days from the date of receipt of bill / acceptance of goods, whichever is later.
11. IIT Madras is exempt from payment of excise duty and is eligible for concessional rate of customs duty. Necessary certificate will be issued on demand.
12. IIT Madras has the right to accept the whole or any part of the tender or portion of the quantity offered or reject it in full without assigning any reason.
13. The sealed quotation may be sent to

**Prof. S. R. Chakravarthy**

**NCCRD Office**

**No. 201, Rarefied Gas Dynamics Lab (Behind Aerospace Engineering Dept.)**

**Chennai – 600036, Ph. (O) +91-44-22575025**



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**Annexure I**

Ref. No. ICS/11-12/013/DSTX/TSUN

Date: 26 May 2016  
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**SPECIFICATIONS OF OVERHEAD CRANE FOR AUTOMOTIVE ENGINE LAB (4 nos.)**

Overhead cranes are required in the four test cells of Automotive Engines Laboratory ,NCCRD (National Centre for Combustion Research and Development) IIT Madras. The dimensions of the test cells are as follows.

TEST CELL <b>1&amp;2</b>	TEST CELL <b>3&amp;4</b>
Length ----- 7.3 metres Breadth----- 4.4 metres	Length----- 7.3 metres Breadth-----5.2 metres

Total number of cranes required: 4 (Four only)

Maximum height of the equipment to be placed in each test cell:- 3.2 metres

There should be sufficient clearance between the bottom end of the hook and the top surface of the equipment for easy movement of the crane.

Capacity of the crane:- 5 metric tons

Mode of operation:- Hand operated

Movements required:

- 1) Along the length breadth of the cell. (ie) x and y axis
- 2) Up and Down movement chain pulley block for lifting (z-axis)

Installation and commissioning including scaffolding and civil works- Vendors scope

Warranty of at least 12 months from the date of installation.

Bidders are requested to visit the site before submitting the quote.

For technical clarifications, please contact.

Prof. A.Ramesh

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Dept of Mechanical Engineering,

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Please quote your lowest price for the equipment meeting the above requirement.