



SPEED POST

CSIR - NATIONAL PHYSICAL LABORATORY
Dr. K.S. Krishnan Marg, New Delhi – 110012
REQUEST FOR QUOTATION

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Enquiry: 4(6)75/2018PB/T-61

Dated: 05/09/2018

Due Date: 27.09.2018 by 03.00 PM

Date of opening: 28.09.2018 by 03.00 PM

Dear Sirs,

Quotations are invited on the behalf of the Director, NPL for the purchase of articles mentioned below. You are requested to submit your online Quotation through e-tender within the stipulated time period as mentioned above and in the e-tender portal/notice. While submitting quotation, please note/read the terms and conditions carefully. Required documents should also be submitted along with your offer. (Detailed specification is enclosed at annexure -A).

S. No	Description of material	Qty
1.	Upgradation of Technology of 10 Ton Crane into 3 Ton Capacity (Detailed Specifications as per Annexure – A) Note :- Price reasonability certificate may be submitted stating that you will not sell the item to any other Organizations less than quoted prices to NPL The bidder must submit the copies of Purchase Orders received by them from other organizations During last two years against which they have supplied similar items. Your prices shall contain details like rate, delivery schedule charges if any, make taxes etc. so that total landing cost can be evaluated. Tenders with incomplete details will not be considered. NPL is public funded laboratory & registered with Govt of India in the deptt. Of Science & Technology (DSIR) for the exemption of/custom duty. Penalty Clause: In case of delay in supply on the part of the supplier, a per week to Maximum of 10% of order value will be charged for the period of delay	One

Instructions

- 1- Please indicate the item serial numbers of our enquiry letter against the names of respective item quoted by you.
- 2- Complete specifications of items should be given with the manufacturers name wherever required. Often of stores vaguely described are liable to be ignored. Literature/Pamphlets should also enclosed wherever necessary.
- 3- Samples, if called for shall be submitted free of charge and shall not be responsible for any loss or damage.
- 4- All the above instructions and **terms and conditions overleaf** must be compiled with carefully failing which your offer may be ignored.

PLEASE ADDRESS THE COVER TO DIRECTOR DULY WITH OUR ENQUIRY NUMBER AND DUE DATE FOR QUOTAION WILL NOT BE CONSIDERED.

Yours faithfully,

Section Officer (S&P)

TERMS & CONDITIONS

- 1 We are prepared to consider offer of indigenous manufacturer or of foreign make available from ready stock. Any offer to supply on forward Delivery Basis under supplier's Own import quote license will also be considered. In such a case indicate ICT No. name and address of foreign principals.
- 2 The price quoted should be as indicated as per one of the clause given below:
 - A) F.O.R. destination by passenger/goods Train/ Lorry Serviced
 - B) F.O.R. dispatching station the name of station.
 - C) Free delivery at our Central Stores, NPL, Delhi-12.

In case of Imported Goods :

- I. Quotation should be submitted directly by the original manufacturer/supplier or its Indian agent / sole authorized distributor/dealer/subsidiaries. **In case of bid submitted by authorized dealer/distributor/ Indian Agent, the following information/supporting document(s) must be compulsorily submitted with the bid, failing which the bid may not be considered for evaluation:**
 - (i) A certified copy of agency agreement between the principal and the agent must be submitted
 - (ii) Foreign bidders/principal has to disclose the name and address of agent and representative in India and Indian bidder/agent to disclose their foreign principal or associates.
 - (iii) Manufacturer authorization should be attached with the technical bid as per Annexure-'F'.
 - (iv) In the case of a Bidder not doing business in India, the Bidder is/or will be (if successful) represented by an Agent in India who shall be equipped and able to carry out the Supplier's maintenance, repairs and spare parts, stocking obligations prescribed by the conditions of the contract/purchase order.
- 3 Prices are required to be quoted in units indicated in the enquiry, when quotations are given in terms of other units relationship between two sets of units should be furnished. Quantity discounts if any should also be indicated.
- 4 Your rates should include packing and forwarding charges in case of F.O.R. quotation insurance should be covered the goods should be insured by you in your favour for all risks on to warehouse basis (Local Suppliers should quote for Delivery at NPL, Central Stores, NEW DELHI.
- 5 Your offer shall be valid for sixty days from the date of opening of the Quotations, No. revision in prices will be allowed after accepting the quotation.
- 6 Taxes as applicable. We are exempted for GST for scientific equipment as per Ministry of Finance Department of Revenue notification no. 47/2017 and 45/2017 dated 14.11.2017 for IGST @ 5% CGST @ 2.5% and SGST @ 2.5%.
- 7 Specific mention should be made wherever the delivery will be ex-stock or Stores will have to be imported or obtained from the work and the time required for delivery after receipt of the order. THE DELIVERY TIME WILL HAVE TO BE STRICTLY ADHERED TO INCASE AN ORDER IS PLACED against your offer.
- 8 The quotation should be duly signed by an authorized person of the firm. The name and status of the signatory should be clearly indicated UNSIGNED QUOTATIONS WILL NOT BE CONSIDERED.
- 9 In case of equipment kindly let us know the organizations to whom you have supplied the same in the recent past.
- 10 Payment for supplies will be made directly to the suppliers through RTGS. Kindly Provide the Bank Account Detail like MICR No. IFSC Code, Name of the Bank on the bill.
11. The quotations are liable to be rejected if any of the above condition are not complied with.
You shall indicate in the quotation the name of your Bankers and permanent Sales-Tax Account Number.
12. All disputes arising out of this shall be referred to the sole arbitration of the Director, National Physical Laboratory New Delhi and his award shall be final and binding on the parties to the dispute. The venue of arbitration shall be National Physical Laboratory, New Delhi. All suits in respect of this shall lie in courts of Delhi.
- 13 Tender's conditions (Printed on the reverse), if any, or otherwise sent along with the tender shall not be binding on us.
- 14 The quotations are liable to be rejected if any of the above condition are not complied with.
- 15 All the opened bids will be evaluated technically to examine their conformity with our requirement. Any bid not meeting our requirement will be summarily rejected.
- 16 Payment: (a) As NPL is a public funded organization no advance payment is made as a rule. (b) Payment will be made against delivery & satisfactory installation
- 17 Director NPL, reserves the right to summarily reject any /all the tenders received or cancel or amend the tender at anytime without assigning any reasons thereto.

Specifications of Upgradation of 10 Ton Crane into 3 Ton Capacity

The 10 Ton Capacity Crane is installed in Fluid Flow Laboratory. It has 1 Ton and 10 Ton Hooks for lifting the items. This Crane is very old (about 40 years old) and also our load requirement is not very high, therefore, it has to be converted into lower capacity using latest instrumentation and control. The work should be completed on turnkey basis. Figure 1 shows the photograph of the Crane.

Scope of the work:

- (1) Converting 10 Ton Crane into 3 Ton Capacity. The existing Rail Tracks (2 nos.), existing Girders (2 nos.) and platform (1 no.) of the Crane to be used in this upgradation.
- (2) Dismantling/ removing all the old parts of 10 T Crane (i.e. old panels, motors, gear boxes, ropes and ropedrums).
- (3) Modification of the existing platform to install new motors, gear boxes, etc. There should be provision for access to the Platform System for repair purpose. The extended part of the Girder where old panels are mounted, should be removed/ dismantled.
- (4) The height of the Crane to be increased about 45-50 cm from the existing height so that full movement of the crane from start to end of the Crane Track. The margin of about 10-15 cm from the ceiling (RCC) for proper mounting of electrical fittings. Accordingly, the vendor has to use compact/ portable type of devices and instruments to provide the margin.
- (5) The following new items to be supplied
 - (5.1) For Long Travel, 2 nos. of 3 HP squirrel cage motors with brakes assembly and gear boxes.
 - (5.2) For Cross Travel, 1 no. of 3 HP squirrel cage motor with brake assembly and gear box
 - (5.3) For Main Hoist, 1 no. of 5 HP motor with brake assembly and gear box

The motors to be supplied of reputed brand like Crompton/ Kirloskar/ ABB/ Bharat Bijli only.

- (5.4) **Variable Frequency Drives (VFDs)** of suitable ratings as per motor ratings for speed control of the Crane. The VFDs of reputed brands like L&T/ Delta/ Fuji/ Schneider/ ABB only.
- (5.5) **Speed:**
 - (i) Main Hoist: approx. 0.2-2 Metre per minute (MPM) through VFD
 - (ii) Cross Travel: approx. 0.5 - 5 MPM through VFD
 - (iii) Long Travel: approx. 1 – 10 MPM through VFD
- (5.6) **Wire Rope:**
 - (i) No. of Falls/ Diameter: 4/10 mm
 - (ii) Factor of safety as per IS: 3177 (1999)
 - (iii) Type of core/ construction: Fibre/6X36
 - (iv) Make: reputed brand Mahadev only
- (5.7) **Rope Drum:** made from Seamless Pipe
- (5.8) **Gear Box:**
 - (i) Type of gear box: Totally enclosed helical gear box
 - (ii) Material of Body: CI Grade –FG-200
 - (iii) Oil Splash Lubrication
- (5.9) **Brakes:**
 - (i) Main Hoist: EM DC Disc Brake/ Geared Brake Motor/ Electro-hydraulic Thruster Brakes
 - (ii) Cross Travel/ Long Travel: EM DC Disc Brake/ Geared Brake Motor
- (5.10) All Electrical panels, Protective Panel, control panels with wired Remote should be supplied for proper operation of the Crane System. The protective panel should have MCCB, MCB Mainline Contactor, Single Phase Preventer. The panel should be fuse less.
- (5.11) **Safety:** (i) Main Hoist travel: Gravity Switch for Safety
(ii) Cross and Long Travel: Two way lever type Switches for Safety
- (5.12) All wirings and other items required to make the Crane operational are covered.
- (5.13) The bared Electrical conductors of 440 V AC , 3-phase supply should be replaced by insulated copper cable with arrangement of rolling of cable while crane movement

- (6) Warranty of the upgraded crane for one year after satisfactory installation & commissioning

- (7) Buy-back offer for the old removed parts should be quoted. Whether the buy-back offer to be accepted or not, it is under sole discretion of the authority.
- (8) The civil work, if any, will be in the Vendor's scope.

Criteria for Determining Lowest Quotation:

The lowest quotation will be determined by sum of cost of individual items quoted by the party. The lowest quotation will not be determined by the lowest cost of the individual items.

Note:

Before quoting for the upgradation work, the vendors may visit Fluid Flow Laboratory on all working days between 9 AM and 5:30 PM so that they may have clear picture of the scope of the upgradation work.



Figure 1. Photograph of the old 10 Ton Crane along with Primary Water Flow Calibration Facility

CHAPTER – VIII: MANUFACTURERS' AUTHORIZATION FORM (Annexure B)

No. _____ Dated _____

The Director,
(K/A: Stores & Purchase Officer),
NATIONAL PHYSICAL LABORATORY
DR. K.S. Krishnan Marg,
New Delhi- 110012
India

Dear Sir:

W _____ who are established and reputable
e _____ manufacturers of
having _____ (address of factory) do hereby _____ (Name and
factories at _____ authorize M/s _____ address of
Agent) to submit a bid, negotiate and receive the order from you against your tender
enquiry.

No company or firm or individual _____ is authorized to bid, and
other than M/s _____ conclude the
contract in regard to this business.

We hereby extend our full guarantee and warranty as per Clause 15 of the General
Conditions of Contract and Clause of the Special Conditions of Contract for the goods and
services offered by the above firm.

Yours faithfully,

(Name)

(Name of manufacturers)

Note: This letter of authority should be on the **letterhead of the manufacturer** and should
be signed by a person competent and having the power of attorney to bind the
manufacturer. It should be included by the Bidder in its techno-commercial unpriced
bid.

CHAPTER – XII: TECHNICAL COMPLIANCE STATEMENT SHEET

(Annexure C)

An item-by-item commentary on the Purchaser's Technical Specifications demonstrating substantial responsiveness of the goods and services to those specifications or a statement of deviations and exceptions to the provisions of the Technical Specifications.

Technical Compliance statement for

(Bidders are requested to make a detailed technical compliance statement here strictly with regard to the NPL tender specifications in the following format)

<u>S.No</u>	<u>Item</u>	<u>Description</u>	<u>Compliance (Yes/No) with part no and page number in literature</u>	<u>Remarks, If any</u>

Note: All the features claimed by the manufacturers should be available in technical product brochure or official webpage. The same need to be highlighted in the submitted technical brochure.

Please note:

1. Compliance/Deviation statement compares the specifications of the quoted model to the required specifications. Bids must have supporting documents (technical literature or copies of relevant pages from the service manual or factory test data) for all the points noted above, failure regarding which may result in rejection of bid.

Signature of Authorised Signatory

Name:

Date:

Company Seal:

PRICE SCHEDULE FOR GOODS BEING OFFERED FROM ABROAD**Name of the Bidder****Tender****No.**

<u>1</u>	<u>2</u>	<u>3</u>	<u>4</u>	<u>5</u>	<u>6</u>		<u>7</u>		<u>8</u>		<u>9</u>
<u>Sl</u> <u>No</u>	<u>Item</u> <u>Description</u>	<u>Countr</u> <u>y of</u> <u>origin</u>	<u>Uni</u> <u>t</u>	<u>Qt</u> <u>y</u>	<u>Unit Price</u>		<u>Total price</u> <u>(5x6)</u>		<u>Charges for</u> <u>Insurance</u> <u>&</u> <u>transportati</u>		<u>Total</u> <u>Price</u> <u>(7+8)</u>
					<u>FOB</u> <u>(named port</u> <u>of shipment)</u>	<u>FCA</u> <u>(named place</u> <u>of delivery)</u>	<u>FOB</u> <u>(named port</u> <u>of shipment)</u>	<u>FCA</u> <u>(named place</u> <u>of delivery)</u>	<u>Ocean</u>	<u>Air</u>	<u>CIF</u>

Total Bid price in foreign Currency_____ in
words.**Signature of Bidder****Name:**

Business Address:

Note:

- B. Indian agents name & address
- C. Installation, commissioning & training charges, if any
- D. Cost of Spares
- E. The Indian agent's commission shall paid in Indian Rupees only based on the Exchange Rate prevailing on the date of negotiation of documents.
- F. The cost of optional items shall be indicated separately.

PRICE SCHEDULE FOR GOODS BEING OFFERED FROM INDIA**Name of the Bidder****Tender****No.** _____

1	2	3	4	5	6	7	8	9	10	11
<u>Sl. No.</u>	<u>Item Description</u>	<u>Country of Origin</u>	<u>Unit</u>	<u>Qty</u>	<u>Ex-Works. Ex-Warehouse. Ex-show room off the shelf price (inclusive of all taxes already paid)</u>	<u>Total price Ex-Works. Ex-Warehouse. Ex-show room off the shelf price (inclusive of all taxes already paid) 5x6</u>	<u>GST & other taxes if payable, if contract is awarded</u>	<u>Packing & forwarding up to station of dispatch, if any</u>	<u>Charges of inland transportation, insurance up to Lab./Instt.</u>	<u>Installation, Commissioning & training charges, If any.</u>

Total Bid price in Indian Currency_____ in
words.**Signature of Bidder****Name:****Business Address:****Note:**

- (i) The cost of optional items shall be indicated separately.
- (ii) Cost of spares _____

VENDOR'S DECLARATION FORM

The interested vendor shall fill in this form and should submit along with tender document without fail. This should be done on the letter head of the firm

1. Vendor's Legal Name :

2. Vendor's actual or intended Country of Registration :

3. Vendor's Legal Address in Country of Registration :

4. Vendor's Authorization Representative Information

Name :

Designation :

Address :

Telephone/Fax numbers:

Email Address :

5. Please provide following details in reference
of firm, as applicable

TIN NO. :

PAN NO. :

TAN NO. :