



Dr B R AMBEDKAR NATIONAL INSTITUTE OF TECHNOLOGY
G T Road By Pass, Jalandhar-144011, Punjab (India)
Tel: 0181-2690301-2690453 PBX Fax: 2690320 website www.nitj.ac.in

Ref. No: NITJ/PUR/101/19

Date: 04.11.19

TENDER No. NITJ/PUR/ 71/2019

National Institute of Technology, Jalandhar invites e-tender for Purchase of Robotic ARM Kit for the Department of Industrial and Production Engineering of the institute as detailed at Annexure – “A” along with Tender Fee & EMD as per details given below:

Sr. No.	Name of the Equipment
1	Robotic ARM Kit

I	Downloading & Submission of Tender	Start Date: 04.11.2019 at 03:00 PM
		End Date: 25.11.2019 upto 03:00 PM
II	Physical submission of Tender, Tender Fee and EMD	End Date: 25.11.2019 upto 03:00 PM
III	Opening of Tender Bids	26.11.2019 at 12:00 PM

Detailed Terms and Conditions are available in tender document. The bid document can be downloaded from the [CPP Portal](#).

Complete tender document is also available on Institute's website www.nitj.ac.in. Only physical tender will be accepted.

Registrar



Annexure-A

Sr. No.	Name of the Equipment	Qty	Tender Fee	EMD
1	Robotic ARM Kits	02	Rs.500/-	Rs.1000/-

Tender fee of Rs.500/- in the form of DD in favour of Director, D R B R Ambedkar NIT, Jalandhar must be submitted

EMD of Rs.1000/- in the form of DD in favour of Security- A/c, DR B R Ambedkar NIT, Jalandhar must be submitted.

If the bidder is exempted for payment of Tender Fee and EMD as NSIC/MSME registered bidders, then bidder is required to submit NSIC/MSME exemption certificate for same. The Certificate must be valid as on last date of submission of bid.

***Exemption of Tender fee & EMD will only be given to MSME/NSIC registered bidders.**

Tender should reach at following address before the last date of receipt and time.

***Kind Attention: Purchase Section,
Director***

***Dr. B.R. Ambedkar National Institute of Technology, Jalandhar
GT Road, By Pass, Jalandhar-144001***

The tenders will be opened by the committee duly constituted for the purpose on due date and time in the presence of the bidders, whom so ever may wish to be present.

1. All the bids/enquiries should be addressed to the Director, Dr B R Ambedkar National Institute of Technology, Jalandhar.
2. In case of non –compliance of instructions and all the terms & conditions, the offer will not be considered.
3. The institute being an Educational Institution, a special rebate/discount may be allowed.
4. Bids without GST number will be invalid.



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IMPORTANT NOTE

The offers must be submitted in a sealed envelope duly super scribing the bid for the purchase of Robotic ARM Kit for the Department of Industrial and Production Engineering with Due Date and Time on the cover of envelope. The Bids received late, will not be considered.

1. All corrigenda, addenda, amendments and clarifications to Notice Inviting tender will be uploaded on the website www.nitj.ac.in and CPP Portal, Bidder shall keep themselves updated with all such developments.
2. In case the last date of receipt/ opening of Bid falls on holiday, the bids shall be opened on the next working day at same time.
3. The Bid should be neatly typed. Any deviation in the offer shall lead to rejection.
4. Bid(s) received after last date of offer submission will be rejected. No offer will be entertained by Email/FAX.
5. Supplier must mention Full address with Telephone No., Fax No. & E mail on their envelop also.



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Annexure-I

FOLLOWING TERMS AND CONDITIONS MAY BE CAREFULLY STUDIED AND COMPLIED BEFORE SUBMITTING BIDS

1. Name, complete address of the bidder with telephone No., Fax No. & Email must be mentioned.

2. Location of Head office with complete address, with telephone No. Fax No. and Email must be mentioned.

3. The bid must be quoted duly typed on the letter heads of the supplier / manufacturer duly mentioned full address, GST No./ PAN No./ TDS No. / TIN No. and must be in a sealed cover which should be superscribed Bid for

_____ Bid No. NITJ/Pur/ dt:_____ ”.

4. Telefax /E-mail and other incomplete offer will not be considered.

Read and Accepted

Signature of the Bidder
With Stamp



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5. All bids will be deemed to be FOR NIT, Jalandhar unless otherwise specified and should include packing and forwarding charges.
6. If quoting otherwise than FOR NIT, Jalandhar, insurance charges from place of loading to destination shall be borne by the supplier.
7. All bids will be valid for at least 90 days excluding the date of opening.
8. Illustrated literature and catalogue must be furnished along with bid.
9. The supplier must intimate whether he is manufacturer, dealer or supplier. In case of supplier or dealer the authorization from the manufacturer is required and copy of the same must be enclosed with the bid.
10. The institute being government educational institute is having excise and custom duty exemption in terms of government notification No. 51/96-customs Dt. 23-7-1996 and No. 10/97-central excise Dt. 1-3-1997 as amended from time to time, therefore rates be quoted accordingly.
11. Rate should be quoted in the Indian rupees only. Delivery period must be mentioned.
12. The successful supplier has to submit an amount of @ 5% of the total value of the offer in shape of Performance Bank Guarantee upto the period of warranty period of the Equipment before releasing the 100% payment (for equipment which costs more than rupees 01 Lacs Individually)

Read and Accepted

**Signature of the Bidder
With Stamp**



13. Bid received after the due date will not be considered unless the date is extended.
14. The make/model and country of origin must be specified. Detailed Warranty period of the equipment should be clearly mentioned. The after sales service policy on expiry of warranty period may also be clarified and address of the sales service center be intimated.
15. It may be stated clearly whether the items quoted are available in stock. If not the minimum period of supply of goods/services be indicated.
16. Percentage of taxes to be charged must be clearly stated.
17. All containers will be deemed to be non-returnable, unless specifically stated in the bids.
18. Inspection of goods/services will be carried out by the consignee or the Inspection Committee at the destination and rejected goods will have to be taken back within 10 days from the date of dispatch from the indenting officer, failing which the quotee shall be responsible for the loss.
19. The rejected goods must be replaced within 15 days of the dispatch by the indenting officer, failing which indenting officer will be entitled to make arrangements of its disposal without any further reference.
20. If there is any dispute/doubt, the decision of the Director, Dr. B. R. Ambedkar National Institute of Technology, Jalandhar shall be final.
21. All disputes are subject to Jalandhar Jurisdiction.



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22. Certificate to the effect is to be provided that the Prices quoted by you are lowest and is not more than the Price charged from other Educational Institutions/ R & D departments in India.
23. Copies of supply order of at least of three users where you have already supplied above said Equipment/items/software be supplied.
24. Details of training and the cost if any in the institute be intimated.
25. The supplier who quote the equipment, must provide terms & conditions, upgrade policy and installation etc. and maximum discount allowed to the institute being an Educational Institution be supplied.
26. 100% payment will be released against Physical delivery and inspection of the material having the satisfactory working performance report of the equipment/material. Execution of the complete order of goods/services as per specifications of the supply order and their installation and working.
27. The quantity of material may vary as per requirement.
28. Penalty: On Account of delay, Director NIT Jalandhar reserves the right to impose 0.5% (half percent) penalty per week on account of delay in supply, if delivery received after expiry of the original delivery period. The total penalty will not exceed 10% of the value of the delayed Goods.

Read and Accepted

**Signature of the Bidder
With Stamp**



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Annexure-II

Sr. No.	Specifications	
1.	Weight	About 1100g
2.	Programming method	Scratch, Arduino
3.	Bluetooth module	Support
4.	Package Dimensions	185*170*430mm
5.	Input	Ultrasonic sensor module, touch button module, infrared module ,sound sensor ,Line-tracking sensor, potentiometer module
6.	Output	Digital tube module, LED lattice module, RGB LED module, Mechanical arm
7.	Offline mode	Bluetooth module
8.	Microprocessor	Arduino UNO
9.	Power supply	Input:AC100-240V-50/60Hz Output:DC7.5V



Technical Specification & Features of Robotic ARM kit

Features:

1. **Powerful power:** Using serial bus servo LX-15D as a power source for robotic arms. Full metal gear, high precision imported potentiometer. Torsional force, precise angle. Servo support angle read back, voltage feedback, temperature feedback, alarm indicator and servo protecting.
2. **Powerful master control system:** Robotic controller uses ARM core CPU, built-in Bluetooth module and 16M Storage memory, single action group can hold 510 actions. Better experience programming fun.
3. **Simple wiring scheme:** Direct connection 7.5V DC power adapter, no need for any voltage regulator module. The handle receiver uses terminal design, plug and play, so greatly reduces the difficulty of wiring and saves time.
4. **Suction cup design:** Using the vacuum chuck, the robot arm can be stably fixed on the table top prevent the robot arm from slipping due to movement.
5. **Various programming methods and control methods:** Support mobile programming, computer programming and offline manual programming and support mouse, mobile phone, handle, computer control.
6. **Extensive development:** Support for secondary development of Scratch/Arduino, providing rich tutorials