

G T Road By Pass, Jalandhar-144011, Punjab (India) EPABX-0181-2690301 & 453 website: <a href="www.nitj.ac.in">www.nitj.ac.in</a> email: <a href="mailto:registrar@nitj.ac.in">registrar@nitj.ac.in</a>

#### Ref. No. NITJ/PUR/IPE /111/19/e-Tender No.100 /2019

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**Assistant Registrar** 

Dr. B. R Ambedkar NIT Jalandhar

Email: arpurchase@nitj.ac.in



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#### THIS DOCUMENT IS FOR REFERENCE ONLY. ONLY E-TENDERS WILL BE ACCEPTED

#### e-TENDER NOTICE - NITJ/PUR/IPE /111/19/e-Tender No.100 /2019

National Institute of Technology, Jalandhar invites e-tender for purchase of Various Equipment's as per detail available at <u>Annexure-I</u> along with Tender Fee & EMD required for Internet of things Laboratory for the Department of Industrial and Production Engineering of the Institute as per details given below:

I	Downloading & Submission of Online e-tender/bids	Start Date: 19.12.2019 at 03:00 PM
li	Last date of submission of online bids	End Date: 13.01.2020 upto 11AM
II	Physical submission of Tender Fee and EMD	End Date: 14.01.2020 upto 11AM
III	Opening of Technical e-Bid (online)	14.01.2020 at 11AM

Detailed Terms and Conditions are available in e-tender document. The bid document can be downloaded from the <a href="CPP Portal">CPP Portal</a>. The bidders must quote for all the products/equipments/items as mentioned in the tender documents, otherwise bid is liable to be rejected.

Complete tender document is available for reference purposes on Institute website <a href="https://www.nitj.ac.in">www.nitj.ac.in</a> and <a href="https://www.nitj.ac.in">CPP Portal</a>. Only e-tenders will be accepted.

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## **Annexure-I**

#### Ref. No. NITJ/PUR/IPE /111/19/e-Tender No. 100/2019

## **Detail of Equipment, Tender Fee & EMD are as under:**

Sr. no.	Item/Equipment	Qty.	Tender Fee	EMD
1.	MQ-2 Gas Sensor	20	Rs. 500/-	Rs.17,500/-
2.	Dust Sensor	20		
3.	Temperature Sensor	20		
4.	Flame Sensor	20		
5.	Vibration Sensor Module	20		
6.	Air Quality Sensor	20		
7.	Sound detector Sensor	20		
8.	Altitude/Pressure Sensor	20		
9.	HMC5883L,Triple Axis Magnetometer	20		
10.	Gesture Sensor	20		
11.	Current Sensor	20		
12.	Distance Sensor	20		
13.	Ultrasonic Distance Sensor	20		
14.	Human Presence Sensor	20		
15.	Flex Sensor	20		
16.	Optical Detector	20		





Pulse Sensor	20		
Camera Sensor	20		
Graphic LCD 64*128	20		
Fingerprint Scanner	20		
Stepper Motor with Driver Board	20		
TSOP 1738 Sensor Module (IR TX/RX)	20		
Arduino Uno R3	30		
Intel Edition Arduino Breakout Board	5		
Raspberry PI-3 (with Sense HAT board)	10		
Zig bee module	5		
ES32	20		
RF Encoder and Decoder	20		
RF Module TX & RX 315 MHz	20		
HC05 Bluetooth Module	20		
GSM Module	20		
RFID Tag & Reader	20		
General Purpose solderable Board	25		
Battery Cap	20		
USB Cable A to B	20		
HDMI to VGI Cable	15		
Multimeter MAS 830L	10		
	Camera Sensor  Graphic LCD 64*128  Fingerprint Scanner  Stepper Motor with Driver Board  TSOP 1738 Sensor Module (IR TX/RX)  Arduino Uno R3  Intel Edition Arduino Breakout Board  Raspberry PI-3 (with Sense HAT board)  Zig bee module  ES32  RF Encoder and Decoder  RF Module TX & RX 315 MHz  HC05 Bluetooth Module  GSM Module  RFID Tag & Reader  General Purpose solderable Board  Battery Cap  USB Cable A to B  HDMI to VGI Cable	Camera Sensor       20         Graphic LCD 64*128       20         Fingerprint Scanner       20         Stepper Motor with Driver Board       20         TSOP 1738 Sensor Module (IR TX/RX)       20         Arduino Uno R3       30         Intel Edition Arduino Breakout Board       5         Raspberry PI-3 (with Sense HAT board)       10         Zig bee module       5         ES32       20         RF Encoder and Decoder       20         RF Module TX & RX 315 MHz       20         HC05 Bluetooth Module       20         GSM Module       20         RFID Tag & Reader       20         General Purpose solderable Board       25         Battery Cap       20         USB Cable A to B       20         HDMI to VGI Cable       15	Camera Sensor         20           Graphic LCD 64*128         20           Fingerprint Scanner         20           Stepper Motor with Driver Board         20           TSOP 1738 Sensor Module (IR TX/RX)         20           Arduino Uno R3         30           Intel Edition Arduino Breakout Board         5           Raspberry PI-3 (with Sense HAT board)         10           Zig bee module         5           ES32         20           RF Encoder and Decoder         20           RF Module TX & RX 315 MHz         20           HC05 Bluetooth Module         20           GSM Module         20           RFID Tag & Reader         20           General Purpose solderable Board         25           Battery Cap         20           USB Cable A to B         20           HDMI to VGI Cable         15



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38.	Digital Oscilloscope	1	
39.	SD card Class 10 (128 GB)	20	
40.	Arduino Case	20	
41.	Raspberry PI-3 and Sense HAT Case	10	
42.	Power Adopter	20	
43.	4 Wheel Robot Car Chassis Kit	20	
44.	DIY Robotic kits	20	
45.	Installation Charges and training	1	

Note: The quantity of required equipment/item may vary as per requirement.

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



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#### **Important Note**

- All corrigenda, addenda, amendments and clarifications regarding this tender document will be uploaded on the website <u>www.nitj.ac.in</u> and CPP Portal and not in the newspaper; Bidders shall keep themselves updated with all such developments.
- 2. In case, the last date of receipt/opening of bids falls on holiday, the bids shall be receipt/opened on the next working day at same time.
- 3. In case, the last date of submission of EMD & Tender fee falls on holiday, the EMD & Tender fee shall be submitted on the next working day at same time.
- 4. Tenderer who have downloaded the tender document form from the institute website, shall submit a declaration along with tender document that I/We have downloaded the Tender Form from the institute website <a href="www.nitj.ac.in">www.nitj.ac.in</a> and I/we have not tempered /modified the tender form in any manner. In case, if the same is found to be tempered/modified in any manner, I/we understand that my/our tender will be summarily rejected and I/we are liable to be banned from doing business with institute.
- 5. Tender fee of Rs.500/- (Non- refundable) in the form of DD in favour of <u>Director, D</u>
  R B R Ambedkar NIT, Jalandhar.
- 6. EMD (refundable) in the form of DD in favour of Security- A/c, DR B R Ambedkar NIT, Jalandhar.
- 7. <u>Both EMD and Tender fee are be submitted as per dates mentioned in schedule, failing which e-bids will not considered.</u>
- All the bidders are required to submit the Tender Fee and EMD as per requirement of tender document failing which bids received straightway rejected and bid will be treated invalid.
- Note: If the bidder inadvertently or otherwise upload the quoted rates in the technical bid, the bid will be straightway rejected and treated invalid.
- 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.

Tenderer must submit a scanned copy (duly signed and stamped) regarding terms & conditions as per our tender documents along-with make/model, specifications, bill of quantity as per required equipment in the technical bid for examine the bid as per our institute tender documents. It is noted that no rate should be depicted in the letter head.



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#### <u>Instructions to Tenderer</u>

- No tender will be accepted in physical form. The bidders shall have to submit their bids online in Electronic Format under Digital Signatures. For participation in the etendering process, the bidders need to register themselves on CPP Portal.
- 2. Bids are to be submitted online and opened online as per time given failing which no tender will be considered..
- 3. Bids will be opened online as per time given schedule.
- 4. Before submission of online bids, bidders must ensure that scanned copies of all the necessary/relevant documents have been uploaded with the bid which should be duly signed and stamped. The duly signed and stamped copies of Terms & Conditions of the tender, reply of the Questionnaire of Plant & Machinery and other documents of the Tender & Annexures must be uploaded, failing which their bids may be rejected.
- 5. NIT JALANDHAR, will not be responsible for any delay in online submission of bids due to any reason whatsoever.
- 6. Bidders should also upload the scanned copies of Tender fees/EMD/Exemption Certificate as specified in the tender documents along with online technical documents. EMD in the form of a Demand Draft in favour of the Security A/c, Dr B R Ambedkar NIT, payable at Jalandhar (refundable separate) and Tender Fee in the form of a Demand Draft in favour of the Director, Dr B R Ambedkar NIT, payable at Jalandhar (Non- refundable separate) should also be submitted in physical form to the following address as per scheduled time given for physical submission of EMD and Tender fee. The Envelope should be superscribed as EMD and Tender Fee for Tender for Supply of Various Equipment's and sent to following address:-

Kind Attention- Assistant Registrar (Purchase Section)
Director,
Dr B R Ambedkar National Institute of Technology,
G T Road Amritsar By Pass, Jalandhar-144001, Punjab (India).

- 7. The details of EMD specified in the tender document should be same as submitted online (scanned copies). Otherwise tender will be rejected summarily.
- 8. The conditional bids shall not be considered and will be out rightly rejected.

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- 9. The Financial Bid through e-tendering process shall be opened of only those bidders, who will qualify in the technical bid and approved by the Purchase Committee/Technical Experts. The date, time & place of opening of the financial bid(s) will be intimated in due course of time.
- 10. At any time prior to the deadline for submission of bid, the institute may, for any reason, whether at its own initiative or in response to a clarification requested by a prospective tenderer(s), modify the tender document by issuance of an amendment.
- 11. The amendment will be uploaded on Institute website and CPP Portal only. In order to provide reasonable time to prospective tenderer(s), for preparing their bid as per amendment, the institute may, at its discretion extend the deadline for the submission of tender.
- 12. The supplier must upload the original manuals / catalogue of the Equipment /Item.
- 13. The Institute is not liable to pay any interest on EMD. Earnest money deposit shall be forfeited, if the tenderer, withdraws its bid during the period of tender validity. The Earnest money deposit of the tenderer, whose tender has been accepted, will be returned on the submission of performance security @ 5% of the total value of the offer. The performance security will be kept till the warranty period + 02 months more of the Equipment /Item. The warranty period will start from the date of satisfactory installation of the Equipment /Item duly given by the concerned department. Earnest money deposit of the successful tenderer shall be forfeited, if it refuses or neglects to execute the contract or fails to furnish the required performance security within the time frame as specified by the institute. The EMD(s) of other Bidder(s) whose offer are found according to required specifications/ lowest will be released after finalization of Technical Bids/ Lowest Bid/Purchase.
- 14. The Format of Performance Bank Guarantee bond or Performance Bank Guarantee issued by the bank as per the format given in **Annexure "B" & "C"**.
- 15. Delivery time is the essence of the contract and must be met with.
- 16. Nearest specifications/better specifications can be considered. In case of deviation, complete justification should be furnished with proper documents.
- 17. The Director may accept a tender in part or whole of the quantity offered, reject any tender without assigning any reasons and may not accept the lowest bidder. Further in case of any doubt/dispute, the decision of the Director of the Institute shall be final.
- 18. The offer shall be kept valid for minimum 120 days.

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19. a) Either the Indian agent/ dealer on behalf of the Principal/OEM or Principal/OEM itself can bid but both cannot bid simultaneously for the same item/product in the same tender.

- b) If an agent/ dealer submits bid on behalf of the Principal/OEM, the same agent /dealer shall not submit a bid on behalf of another Principal/OEM in the same tender for the same item/product.
- c) All offers other than those from the Principal/OEM should be supported by an authority letter from the manufacturer authorizing the dealer /supplier to tender on their behalf as per <a href="Annexure-D">Annexure-D</a>. In case of manufacturer, a certificate or a copy thereof to the effect that the bidder is a manufacturer of the Equipment /Item must be accompanied with the technical bid.
- 20. The supplier will be responsible till the entire stores contracted for, arrive in good condition at destination.
- 21. The tenderer should not have been debarred and/ or blacklisted by any Central Government/ or any State Government Department(s). This must be supported by an affidavit as per format given in **Annexure-"E"**.
- 22. If any information furnished by the bidder is, at any stage found to be incorrect/false/fabricated, the Institute shall have the absolute right to forfeit the EMD, warranty/performance guarantees or/and security deposits, in addition to cancellation of contract, and in accordance with law, such other actions may be taken like black-listing of the bidder etc.

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## **TENDER EVALUATION**

Institute will evaluate all the proposals to determine whether these are complete in all respects as specified in the tender document. Evaluation of the proposals shall be done in two stages as:

### (a) Stage – I (Technical Evaluation):

(i) Institute shall evaluate the technical bid(s) to determine the following like the bid qualifies the essential eligibility criteria or not, the tenderer has submitted the EMD & Tender fee or not, any computational errors have been made or not, all the documents have been properly filled or otherwise, all the documents have been submitted/ uploaded with technical bid or not, the specifications, Make/Model, Catalogue of quoted Equipment /Item are as per requirement tender specifications or not, Authorization of Dealer / Distributor/ Exclusive Agent certificate from manufacturer is in order or not, Sales & service policy of equipment / item during warranty period and after warranty period will also be seen, location of their authorized service centre will also be seen for evaluation etc.

After evaluation of technical bid(s), a list of the qualifying tenderer (s)/ bidder s) shall be made. Short-listed tenderer(s) will be informed of the date, time and place of opening of financial bid(s) and they may attend or depute their authorized representative/s to attend the schedule of opening of financial bid(s) on the scheduled date and time, if they wish to do so. The representative(s) should have a letter of authority to attend the price bid(s) opening event.

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#### PART - II (e-FINANCIAL BID):

- a) Bidders should offer the rates as per the format of BOQ as available on CPP Portal. Detailed bill of material/quantity is also to be provided along with the price breakup of each item as per requirement of the tendered specification of the equipment in the online price bid at <a href="CPP Portal">CPP Portal</a> where separate sheet with adequate space has been provided.
- Note: The quoted amount as filled in the Annexure(s) of online financial bid and detailed bill of material/quantity provided with price break up of each item in the online financial bid should be tallied and both must be same, otherwise bid will be treated invalid.
- b) Conversion to Single Currency: To facilitate evaluation and comparison, the Institute will convert all the bid prices expressed in the amounts in various currencies to the Indian Rupees as per the TT selling rates of RBI on the date of opening of technical bids.
- c) Custom, GST or any other taxes, Education Cess and other charges must be mentioned in the price bid. The financial evaluation/comparison will be made after including all the above mentioned charges/taxes.

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(Signature & Stamp of Tenderer)

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#### **ARBITRATION:**

In case of any dispute or difference arising out in connection with the tender conditions/job order/Contract, the Institute and the Seller/Service Provider will address the dispute/difference for a mutual resolution and failing which, the matter shall be referred for arbitration to a sole Arbitrator to be appointed by the Institute.

The Arbitration shall be held in accordance with the provisions of the Arbitration and Conciliation Act, 1996 and the venue of arbitration shall be at Jalandhar only. The decision of the Arbitrator shall be final and binding on both the parties.

#### JURISDICTION:

The courts at Jalandhar alone will have the jurisdiction to trial any matter, dispute or reference between parties arising out of this tender / contract. It is specifically agreed that no court outside and other than Jalandhar Court shall have jurisdiction in the matter.

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#### (TERMS AND CONDITIONS (FOR THE SUPPLY OF GOODS, EQUIPMENT /ITEM)

- 1. Rate should be quoted F.O.R NIT Jalandhar.
- 2. a) For Foreign Import goods/ Equipment, the rates will be evaluated on DAP basis alongwith the item/equipment to be supplied in Indian rupees (If any). Therefore, rates should be quoted on DAP basis with separately mentioning of CIF or FOB charges. The complete description viz. make and model of the Equipment / item and name of the manufacturer must be clearly indicated. The equipment should be insured upto NIT, Jalandhar. Institute will provide all the documents regarding custom clearance.
- b) e-Bids found without quoted upto DAP NIT value shall be treated as invalid.
- 3. Where the Equipment / Machinery/ Instrument are composed of several sub units/components, the rate should be quoted for each subunit/component separately. NIT Jalandhar reserves the right to increase or decrease the number of sub units/components and number of Equipment / Machinery/ Instrument according to its requirements.
- 4. 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 taxes be quoted accordingly and this must be depicted in Price Bid clearly.
- 5. a) The tenderer(s) who are quoting rates in foreign currency should quote Custom Duty for import (Foreign) goods against Custom Duty Exemption Certificate. The tenders claiming custom duty as extra should specifically give the present rate of Custom Duty as payable against each Equipment /Item. The custom duty so claimed will be reimburse on custom duty receipt basis.
- b) The tenderer(s) who are quoting rates in Indian Rupees, the rates should be quoted inclusive of custom Duty against Custom Duty Exemption Certificate (if any). No custom duty will be paid separately. Only custom duty certificate will be provided.
- 6. GST or any other chargeable duty where applicable must be specifically mentioned, failing which no tax or duty will be allowed at subsequent stage.
- 7. All items shall be indicated both in words as well as in figures. If there is difference between amount quoted in words and figures, amount quoted in words shall prevail.

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#### 8. Payment:

- (a) 100% payment will be made against physical delivery, inspection, installation, training of the Equipment/Machinery/Instrument etc in the institute, receipt of satisfactory working report of the Equipment / Machinery/Instrument etc and receipt of Performance Bank Guarantee @ 5%.
- b) For Import Equipment /Item: 90% of the DAP value of the equipment will be released, through irrevocable Letter of Credit (LC)/ Wire Transfer/ foreign draft/ draft at sight document. Balance 10% of the DAP value will be released after inspection, installation, training and performance bank guarantee of the Equipment / Machinery/Instrument etc in the institute. The payment charged by bidder on account of custom clearance, loading/unloading, transportation, insurance etc. as per price bid and delivery up to NIT, Jalandhar will be reimbursed against actual receipt basis in Indian rupees.

In case of payment through Letter of Credit, all the Bank charges within India will be borne by NIT Jalandhar and all bank charges outside India will be borne by the supplier.

- **9.** Warranty: Rates should be quoted with comprehensive warranty. Besides this, policy regarding after sale service on the expiry of warranty period of Equipment / Machinery/Instrument etc may be explained. The bidders should attach duly signed and stamped certificate of warranty as per <u>Annexure-F</u> with the technical bid.
- 10. Training: In house training (where applicable) after the installation and commissioning of Equipment / Machinery/Instrument etc shall be provided by the supplier.
- 11. **Delivery:** Delivery date will be mentioned in the supply order. The time and date of delivery or dispatch stipulated in a supply order shall be deemed to be the essence of the supply order and if the supplier fails to deliver or dispatch any consignment within the period prescribed for such delivery, the delayed consignment will be accepted subject to penalty as laid down in the supply order, which will be recovered from the pending payments.
- 1. No recovery of penalty will be made, if the delayed supplies are acceptable by extending the delivery period by the Director with our any LD charges.
- 2. Director will allow extension on the request of the supplier by recording in writing that in exceptional circumstances the supply was beyond the control of the supplier and there was no loss to the institute.
- 3. Penalty on account of delay, Director NIT, Jalandhar reserves the right to impose 0.5% (Half) per cent 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.

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**12. Installation**: Supplier has to install the Equipment / Machinery/ Instrument within two to three weeks from the receipt of the Equipment / Machinery/Instrument etc in NIT Jalandhar.

- 13. Spares and Accessories, wherever required should be quoted separately and clearly, even if these are not asked for.
- **14. Site Preparation**: The supplier shall inform NIT Jalandhar about the site preparation, if any, needed for the installation, immediately after receipt of the supply order. Supplier must provide complete details regarding space and all infrastructural requirements needed for the Equipment / Machinery/Instrument etc which NIT Jalandhar should arrange before the arrival of Equipment / Machinery/Instrument etc to ensure its early installation and smooth operation thereafter. The supplier may offer his advice and render assistance to NIT Jalandhar in the preparation of the site and other pre installation requirements.
- **15.** The total scope of work includes the supply, installation, satisfactory commissioning and testing of the Equipment / Machinery/Instrument etc by the supplier, training at NIT Jalandhar, method development and validation for parameters as mentioned in specifications at **Annexure-A**. The supplier will complete installation & Commissioning of Machine within two to three weeks from the date of receipt of Equipment / Machinery/Instrument etc of NITJ.
- **16.** Details about the service center for the quoted Equipment / Machinery/Instrument etc. in India may be mentioned.

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# <u>SPECIAL CONDITIONS FOR SUBMITTING BID IN FOREIGN CURRENCY BY</u> THE INDIAN AGENTS/DEALERS:

- 1. The Tenderer should submit the following documents/information while quoting:
  - a) Foreign Principal's Performa invoice/quote indicating the commission payable to the Indian Agent and nature of after sales service to be rendered by the Indian Agent.
  - b) Copy of Agency agreement with the Foreign Principal and the Indian Agent, precise relationship between them and their mutual interest in the business.
  - c) Agency Commission will be paid in only Indian Currency.
  - d) Compliance of the tax laws by the Indian Agent.
- 2. The following information/documents are to be submitted wherever applicable.
  - Product Literature.
  - The earliest delivery period and country of origin of the Stores.
  - Banker's name, address, telephone/fax Nos. &e-Mail ID of the Contractor.
  - > The approximate net and gross weight and dimensions of packages/cases.
  - Recommended spares for satisfactory operation for a minimum period of one year.
  - Details of any technical service, if required for erection, assembly, commissioning and demonstration.
- 3. The FOB/FCA and C & F prices quoted should be inclusive of all taxes, levies, duties arising in the tenderer's country.
- 4. Samples, if called for, should be sent free of cost.
- 5. The offer should be accompanied with with a certification that the quoted item/items has/have not been restricted or canalized under ITC (HS) classification of Import & Export items.
- 6. The authority of person signing the tender, if called for, shall be produced.
- Instructions/ Operation Manual containing all assembly details including wiring diagrams should be sent wherever necessary in duplicate. All documents/ correspondence should be in English language only.
- 8. It is expressly agreed that the acceptance of the Stores Contracted for, is subject to final approval in writing by the Purchaser.
- 9. Part shipment is not allowed unless specifically allowed by the Institute.
- 10. Inspection/ Test Certificate (if required) should be provided.

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## **Acceptance**

We rea tenderer, terms & conditions and all other and shall Comply with them strictly.	ad and accept the instructions to the r documents as mentioned in the tender	
Name of Bidder	 Signature	
Address	— Seal of firm:	
	  Date:	



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#### **Questionnaires A & B**

#### **QUESTIONNAIRE FOR PLANT & MACHINARY**

Note: Please submit the reply in detail and also enclose the necessary documents with proof where required as per Questionnaire. These documents must be submitted in the technical bid document.

Please state that you have submitted your quotations as per procedure mentioned below:-



Bids consisting of technical details bringing out clearly in a separate sheet ,the deviation in the specifications if any from that of tender enquiry specifications along with commercial terms and tender form.

- 1. Please attach list dully signed by you, for such spare parts and tools which are absolutely essential for proper maintenance and operation of machine for a period of two years giving full particulars of spare and tool with a price of each spare parts and tools separately.
- 2. Please confirm that you have adequate servicing and spare parts facilities in India in respect of Equipment /Item tendered by you or that you should arrange to provide such facilities simultaneously.
- 3. Please indicate that you guaranteed that before going out of production of spare parts, you will give adequate advance notice to the purchaser so that the institute may order his requirements of spares in one lot, if he so desire.
- 4. Please indicate that you guaranteed that if you go out of production of spare parts, then you will make available prints, drawings of the spare parts and specifications of the material at no cost if and when required in connection with Equipment /Item to enable the purchaser to fabricate or procure spare parts from other sources.
- 5. Please confirm that you undertake to enter into a rate contact with the purchaser to supply spare parts on an agreed basis for an agreed period.
- 6. Status:
  - a) Indicate whether you are ISU or SSI
  - b) Are you registered with Government e-Marketing (GeM) for the item quoted? If so indicate whether there is any monetary limit or registration.
  - c) If you are a small scale unit registered with NSIC under single point registration scheme whether there is monetary limit.
- 7. a) If you are registered either with NSIC or with Government e-Marketing (GeM), please State whether you are registered with Directorate of industries of the state government concerned.
  - b) If so, confirm whether you have attached a copy of the certificate, issued by Director of industries.
- 8. Please indicate:Name & Full Address of your Banker
- 9. Please indicate whether you agree to submit advance samples if called upon to do so within the specified period of 21 days.



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- 10. Business name and constitution of firm:
  - i)The Indian company Act.1956
  - ii)Indian partnership Act.1932
  - iii)Any act, if not, who are the owner/partners (please give full name and address)
- 11. Whether the tendering firm is / are:
  - i) Manufacturers authorized agents
  - ii) Holders stock of the stores tendered for
  - iii) NBI manufacturer's agents please enclose with tender the copy of manufacturer's authorization.
- 12. Please state whether the inspection clause is acceptable to you
- 13. Here state specifically:-

(Signature of Tenderer)

- i) Whether the price quoted by you is to the best of your knowledge and belief is not more than the price usually charged by you on stores of the same natures, class of description to any private purchase either foreign or as well as government purchaser. If not state the reason thereof if any also indicates the margin of Difference.
- ii) In respect of indigenous items for which there is a controlled price fixed by law, the price quoted shall not be higher than that the controlled price and rates available on DGS&D/ Government e-Marketing (GeM) contract. The reason thereof should be stated.
- 14. State whether business dealing with you has been banned by Ministry /Department of supply or any other Govt. Department.
- 15. Please confirm that you have read all the instruction carefully and have complied with accordingly.

(	١
1. Full Name & Address of the person signing	/
(	)





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# PROFORMA FOR PERFORMANCE STATEMENT (For the Period of last 3 years)

e-Tend	er Notice - NITJ/P	UR/IPE /111/19/e	-Tender No.100	/2019		
Sr.No.	Order (full placed	Order No. & Dated	Description and	Value of Order		Has the Equipment/Item
	address of purchaser)		Qty. of Stores ordered		of delivery	been satisfactory commissioned



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## Annexure "A"

		Annexure	IN T		lage 1 of
IoT Lab R	equire	ment		. ,	
	1	ment			
Item No. Name	\$ "	Description	Item Category	Quantity	1.
I. MQ-2 Sensor	Gas	1. This sensor monitor many kinds of gas, including: gas, butane, propane, methane, alcohol, hydrogen, smoke, etc. (It is a basic composition of range of MQ 3 and MQ 5)  2. Operating voltage 3.3V-5V  3. Output will be Analog  4. Power indicator and Output Indicator LED.		20	
2. Dust Ser	sor	Indicator LEDs.  1. 5V power supply.  2. Minimum detect particle 1um  3. Detectable range of concentration 0 to 28,000 pcs/liter.  4. Time for stabilization 1 minute after power on.  5. Negative Logic, Digital putput.		20	
Temperation Sensor	re 2 to 3.	ange.  . ±0.5°C accuracy from -10°C  -+85°C.  . 1 Wire interface.  . Waterproof.  5 V power supply.	Environmental Monitoring	20	£00
Flame Senso	3. 4. 5. 7. 8. Powe switce 1. v	Sensitivity adjustable Detects a flame or a light source of a wavelength in the range of 760nm-1100 nm. Detection range: up to 100 cm. Adjustable detection range. Detection angle about 60 degrees, it is sensitive to the flame spectrum. Comparator chip LM393 makes module readings stable. Operating voltage 3.3V-5V. Digital and Analog Output. er indicator and digital ch output indicator	Sensors	20	
Vibration Sensor Module	3. a	Comparator LM393 djusted threshold by the n-board potentiometer		20	



	1	18	1	
		rated voltage and 3.3V-5V	8	
	TA TA	output: digital switching output		
		(0 and 1)		
				- "
		1. Total Volatile Organic		
		Compound (TVOC) sensing		
		from 0 to 1,187 parts per billion		
	Air Quality	2. eCO2 sensing from 400 to		1
6.	Sensor	8,192 parts per million		20
	SCHSOI	3. Five Operating Modes		
	1	4. Integrated MCU		
		5. Onboard Processing		
		6. Standard I2C Digital Interface		
		Voltage feedback amplifier.		
		2. 80μA supply current per		
		channel.		
	C1 1-44	3. 1.2MHz gain bandwidth		
7.	Sound detector	product.		20
	Sensor	4. Output voltage range: 0.01V		20
		to 2.69V.		
		5. Input voltage range: -0.25V to +1.5V.		
3.		The second secon		
		<ul><li>6. 1.5V/μs slew rate</li><li>1.Autonomous Data Acquisition.</li></ul>	-	
		2.1 second to 9 hour data		
0.000		acquisition rate.		
	*	3. Programable events.		
	* 1 · · ·	4. Resolution down to 1ft./30cm.		
	*	5. I2C digital output.		
8.	Altitude/Pressur	6. Direct reading, compensated		.20
0.	e Sensor	-Altitude: 20-bit		20
		measurement (meters).		
		-Temperature: 12-bit		2 (6)
		measurement (degree Celsius).		
2		- Pressure: 20-bit		
	2/	measurement (Pascals)		
-	A.	On board accelerometer sensor		
13		with $\pm 1.5$ g, $\pm 6$ g three axis		
	· ·	accelerometer module,		
9.		Board comes with onboard 3.3v		
6 5 5		low drop voltage regulator.		
	HMC5883L,Tri	Accelerometer module can be		
9.	ple Axis	powered from 2.2v to 6v.		20
	Magnetometer	User selectable g range of 1.5g		20
		and 6g consumption		
		Test socket points to test and	Motion	1
		measure input /output signals	Sensing	-
		Output connectors (10 pin )to	Sensors	. (
	×	interface with microcontroller	5013013	
District Control		and Mother Board		
		1. Operational Voltage: 3.3V		
		2. Ambient Light & RGB Color		
		Sensing		1
	0 . 0	3. Proximity Sensing		20
10.	Gesture Sensor			
10.	Gesture Sensor	4. Gesture Detection		
10.	Gesture Sensor	4. Gesture Detection 5. Operating Range: 4-8in (10-20cm)		20





1				lage	3 0 10
		A C/DC Current	1	i i	
		1. Support: AC/DC Current sensing.			
		2. Power supply: 5V			
		3. Technology: Hall effect		20	
11.	Current Sensor	Sensor.			
		4. Range: 5A 5. Sensitivity: 400mV/A			
		6 Bandwidth: 80kHz.			
		1. Operating Voltage: 2.6V-3.5V			
	18	2. Power Consumption: 20 mW			
		@10Hz 3. Measurement Range: ~40mm		¥	
		to 4.000mm		20	
12.	Distance Sensor	4 Resolution: +/-1mm		20	
		5. Light Source: Class 1 940nm VCSEL		1	
		6 Interface: I2C interface.			
		7. Field of View: 15° - 27°			
		8. Max Read Rate: 50Hz 1. Working Voltage: 5V(DC)			
		<ol> <li>Working Voltage: 5 V(DC)</li> <li>Static current: Less than</li> </ol>			
		2mA			
	Ultrasonic	3. Output signal: Electric		20	
13.	Distance Sensor	frequency signal, high level 5V, low level 0V			
		4. Sensor angle: Not more	at a		
		than 15 degrees			
		Detection distance: 2cm-450cm  1. Quad infrared sensor	Physical		
		1. Quad infrared sensor module	Monitoring		
	1,	2. Quantum-type IR Sensor	Sensors	i	
		with four IR Elements. 3. 16-bit digital output on all		. ' '	
		four channels	2.		
14.	Human	4. Digital I2C Interface		20	
14.	Presence Sensor				
	-	6. Extremely low current: 100μA Built in Optical			
		filter.			
	·	Can detect direction of			
		movement			
		Glassa in		20	
15.	Flex Sensor	Flex Sensor: Change in resistance as the sensor is flexed		20	
10.		Tesistance as the sense			
		Infrared reflective optical			
	8"	detector.			
		Close proximity/Black and white surface sensing.			
	Outi-1 Dates	- · · · · · · · · · · · · · · · · · · ·		20	
16.	Optical Detect	4. No contact surface sensing.			
		5. Unfocused for sensing			
		diffused surface.  Daylight filter on sensor.			
		Operating Voltage: 3V – 5V			
		Current rating: 4mA Output:		20	
17	Pulse Sensor	Analog, Optical Heart Rate		20	
		Sensor. Built in noise cancellation.			
		Cancenation.			N



		1. The STM32F765VI ARM	1		
		Cortex M7 processor			
		running at 216MHz with		7	
		512KB of RAM and 2MB		4	
	1	of flash.			
		2. A full-speed USB (12Mbs)			
		interface to computer,		1	
	-	Camera shouls appear as a virtual COM port and a		Ä	
		USB flash drive when		14	
		plugged in.			
		3. A μSD card socket capable		}	
		of 100Mbs reads/writes.			
		which allows Camera to			
		record video.  4. A SPI Bus that con many			
		4. A SPI Bus that can run up to 54Mbs, allow streaming			
		image data off the system to			
18.	C	either the I CD chieff at			
10.	Camera Sensor	WiFi shield or another	H	20	
		microcontroller.		20	
1		5. I2C Bus, CAN Bus and			
		Asynchronous Serial			
		(TX/RX) for interfacing with other microcontrollers		1	
	-	and sensors.			
		6. A 12-bit ADC and a 12-bit			
		DAC. Three I/O pins for			
	-	servo control. Interrupts		S-	
		and PWM on all I/O pins			
		(10 I/O pins on the board). RGB LED and two high-		. 9	
		power 850nm IR LEDs.		the same	
		7. The image sensor should be			
		capable of taking 640x480		1	
		8-bit grayscale images or			
	1	320x240 16-bit RGB565			
		images at 30 FPS.	nati		
1		1. Resolution: 64X128.		1	
19.	Graphic LCD	Operating Voltage: 5V.			
	64*128	2. Controller: Built-in Controller KS0108B.		20	
		Interface: Parallel interface			
		1. Simple UART			
		2. Ultra-thin optical sensor			
		Resolution 450dpi 3. Capable of 360°			
		recognition		.	
	Fingerprint '	4. Storage for 200 unique			
	Scanner	fingerprints	į	20	
		5. Wake up on Finger Function Works well with		20	
		dry, moist or rough	27		
	*	fingerprints			
	4	6. Anti-scratch with surface high hardness ≥ 5H			
		nigh hardness > 511	W		



				lage 5 of 10
		<ul><li>7. 1:1 verification, 1:N identification</li><li>8. High-accuracy and high-speed fingerprint</li></ul>		
21.	Stepper Motor with Driver Board	identification technology Easy to interface with microcontroller /Microprocessor using 10 pin Box header Step angle control without any supporting mechanism On board motor driver support +5v to +24v motor.		20
22.	TSOP 1738 Sensor Module (IR TX/RX)	Photo detector and preamplifier in one package.     Internal filter for PCM frequency.     Improved shielding against electrical field disturbance.     TTL and CMOS compatibility.     Output active low. 6. Low power consumption	i	20
23.	Arduino Uno R3	1. Microcontroller: ATmega328 2. Operating Voltage: 5V 3. Input Voltage (recommended): 7-12V 4. Input Voltage (limits): 6-20V 5. Digital I/O Pins: 14 (of which 6 provide PWM output) 6. Analog Input Pins: 6 7. DC Current per I/O Pin: 40 mA 8. DC Current for 3.3V Pin: 50 mA 9. Flash Memory: 32 KB of which 0.5 KB used by bootloader 10. SRAM: 2 KB (ATmega328) 11. EEPROM: 1 KB (ATmega328) 12. Clock Speed: 16 MHz		30
24.	Intel Edition Arduino Breakout Board	1. Signal analysis using PC based signal acquisition, sampling frequency 20Khz.Intel Atom system-on-a-chip (SoC) based on leading-edge 22 nm Silver Mont microarchitecture including a dual-core CPU and single core microcontroller (MCU)  2. Integrated Wi-Fi, Bluetooth LE, memory, and storage  3. Support for more than 30 industry-standard I/O interfaces via a 70-pin connector  4. Support for Yocto Linux, Arduino, Python, and Node.js  5. Integrates with cloud platforms providing visualization of streamed data, dynamic rule evaluation/alerting and analytics	IoT Board	5



					Page 6 of
	1	1. Product Dimensions 8.6 x 5.4	1		
		x 1.7 cm	5		
		Programmable based microprocessor system (Mini			
	The state of the s	computer)			
		3. OS: Linux, window 10 IoT			
		4. Processor Brand Broadcom	1	* ' -	
		BCM2387 chipset	197	- 1	
25.	Raspberry PI-3	5. Processor Speed 1.2 GHz		74.000	
25.	with	Processor Count 4 6. RAM Size 1 GB		10	
0)4	1	7. Graphics Coprocessor			
-/	Sense HAT	Broadcom Graphics Chipset			
	Board)	Brand			
		8. Broadcom Graphics			
		9. supplied with compatible or	18		
		extension board for the mother board interface with 10 pin		* * *	
	A.	connectors + las Sence HAT I			
134800	(6)	1. Xbee 2mw wire antenna	704 10		
		s2c,			
		2. point to multipoint device	5		
		connectivity with ease,			
		3. em357 transceiver.			
		4. Integrated, wire antenna			
		interoperable with other			
		ZigBee-compliant devices			
		programmable versions with on-board	5 7		
		microprocessor			
		5. Protocol: ZigBee rf	U	17	
		standard: 802, 15, 4 f			500
		6. frequency (ism band): 2.			
26.	Zig bee module	4ghz digital I or o: 15 adc		5	
		channels: (4) 10-bit adc	E		
		inputs data rate: Rf 250	2 1		
		kbps, serial up to 1 mbps	4		
		range	IoT		
		7. Indoor 200 ft. (60 m),	Communicatio		
	4	outdoor (los) 4000 ft. (1200	n Module		
86 7 8		m)			
1		8. transmit power: 3. 1 mw (+5 dbm)	=		
Bantier		9. channels: 16 channels	77 -		
1000		10. encryption: 128-bit aes			
1					
		voltage requirements: 2. 1 to 3. 6			
		vdc			
		W/D: 111			
27.	ES32	WiFi and blue tooth enabled		20	
13/3/3/3		dual core microprocessor			
		Compatible with	*		
48333		Compatible with     ARDUINO, RASPBERRY		37	
20	RF Encoder	PI, ARM, AVR, PIC, 8051,			
28.	and Decoder	etc.		20	
		2. Operating Voltage: 5V DC			
	31	Digital Output : logic one	*		
					1



	1	. 1		lage 7 9 10	
		, , ,		Page 7 of 10	
		(+3.5V DC) logic zero (0V			
	-	DC)			
	3	Support ASK RF Pair Of			
		Various Frequency i,e 315/433/434/435/866 &			
		Mounting Holes for fixing			
		the board.			
		4. On Board power regulator.			
		Address line Selector			
		Switch, HT12E, HT12D			
		IC, LED indication for			
		Valid Transmit transmission range: 500 feet			
1	RF Module	(Approx.)			
	TX & RX 315	11 DC 1 9V		20	
	MUZ	5V :		. 1	
	IVIIIZ	Receiving frequency: 433MHZ			
		1. Power Supply: +3.3VDC			
		50mA			
	****	2. Frequency: 2.4GHz ISM			
	HC05	band 3. Bluetooth Protocol:		20	
	Bluetooth	Bluetooth specification			
	Module	v2.0+EDR			
		4. Wireless module			
		Bluetooth transceiver pcb			
		Compatible with     ARDUINO, RASPBERRY			
		PI, ARM, AVR, PIC, 8051,			
		etc Can also be directly			
		connected to computer via			
		Serial Port		-	
		2. Option for connecting MIC			
		and SPEAKER directly to GSM MODEM for calls		20'	
31.	GSM Module	(LINE IN availability)			
		3. Support communication			
		through RS232 with DB9			
		Connector, TTL Pins & I2C			
		Pins			
		4. CALL SMS GPRS facility -			
		MIC input, LINE input & SPEAKER output pins			
		1 On board EM -18 125kHz			
		based RFID card reader			
		2. USB port interface to			
		computer.			
		3. Card detection range from 3			
		- 10cm. 4. ASCII format output			
	DEID Too 9	through a simple USB		20	
32.	RFID Tag & Reader	USART interface	1		
	Reader	Compatible with		, X	
:		multiprocessor (8051,PIC	h = =		
		AVR ARM			
		ARDUINO) with jumper selection			
		5. On Board connectors 10 pin	1		
		box header, LED indicators	i.		
					-



1		On boards Buzzer interface			Page 8 %
	*	Special On board USB port (D type) for PC/ laptop Interface			
		1. Material : FR2 PREMIUM QUALITY Copper Clad Phenolic			
33.	General Purpo solderable	140mm x 90mm	=		ţ.
	Board	3. Copper Layer: Lacquered (to prevent corrosion) 4. Package Content: 3 x Universal PCB Boards (General		25	
		Purpose)			
34.	Battery Cap	9V Battery Snapper with male 2.1Mm x 5.5Mm Dc Jack		20	
		1. Fully compliant with USB 2.0 Specification Revision 2.0 and 1.1			
		2. Data transfer up to 480 Mbits /sec (40X increase from the USB 1.1 specification) 3. Fully compatible with PC and	i i		
35.	USB Cable A to	Macintosh		20	
		specification, Made with High- Quality materials to guarantee reliable, error free data transmissions D type connector, compatible to interface board as well as	Other	P	
		mother board			
36.	HDMI to VGI Cable	1. CONVERT HDMI PORT TO VGA 2. FULL HD SUPPORT		15	
37.	Multimeter MAS 830L	Measurement Accuracy ±0.8% rdgs (DC Volt), ±1.2% rdgs (AC Volt)		10	
38.	Digital Oscilloscope	<ol> <li>Bandwidth 50MHz</li> <li>Real-time Sampling Rate 500 MSa/s, Equivalent Sampling Rate 50GSa/s.</li> <li>Memory Depth: 32Kpts</li> <li>Trigger types: Edge, Pulse width, Video, Slope,</li> </ol>		- 1	
		Alternative 5. Unique Digital Filter function and Waveform Recorder function			
					3



	5 2			lage ? of 10
40	card Class (128 GB)	<ol> <li>Read Speed: up to 100         MB/s and Video Speed:         C10, U1, V10, A1</li> <li>Temperature proof For         customer support contact         1800 102 2055</li> <li>Shock proof and Water         proof</li> <li>X-Ray proof</li> </ol>	20	· ·
40. Arc	duino Case	Durable Plastic cover with appropriate fitting and usage of Arduino Kit	20	
41. Ca	spberry PI-3 se and use HAT case	Durable Plastic cover with appropriate fitting and usage of Raspberry PI-3 Kit corth sense HAT Board	10	
42. Pov	wer Adopter	Voltage: 12V Power: 2A DC	20	
13	Vheel Robot r Chassis Kit	metallic Chassis or Transparent Acrylic Chassis compatible to DIY kits with suitable holes to connect Motors processor and battery	20	
44. DI kit	Y Robotic s	I. The smart robotics system must have the following features like the hardware setup, processor setup, wireless communication etc, Robotics, with wireless robots etc.  II. The system must be having facility to install zigbee and bluetooth on same board for wireless connectivity and re program Robot Mechanism Robotic wheels  • Motors: 2 metal geared 12V DC motor, 150rpm  • 6 x 12mm key way aluminium coupling III. Robotic processor board The system must be supplied with Arduino processor With motor driver ICs 1293d with FT232, for USB programming. All must be one PCB – Atmel At mega 328 controller IC (Arduino controller)  • On board xbee 2.4 GHz facility available for robotic control  • Sensor interfacing PCB, PLUGABLE on main board. The system must be supplied with sensor interface PCB with	20	



:		facility (ultrasonic, accelerometer, gyro scope, 4 analog sensor, 6 PWM servomotors, LCD 16x2 to interface) USB 2.0 compatible for programming of PCB connector D type 16 MHz CRYSTAL OSCILLATOR FACILITY Separate reset switch facility for xbee, controller • On board 4 SMD LEDs for digital output indicator The system must be supplied with rechargeable batteries 7.4v DC (Lithium Polymer battery) 2200mAh.		
45.	Installation Charges and training	installation of open source softwares compatible to equipments and related Training. Manuals. CD with experimental sets and softwares 5 days training cum workshop project assistance, unit must have connectivity to mother board with 10 pin connectors		1
		,	4	
				8/8/2019



G T Road By Pass, Jalandhar-144011, Punjab (India)

EPABX-0181-2690301 & 453 website: www.nitj.ac.in email: registrar@nitj.ac.in

Annexure: "B"

#### FORMAT FOR PERFORMANCE BOND/GUARANTEE

(Undertaking from the supplier on a Non Judicial Stamp Paper of requisite duly attested by Notary)

Notary | Septimental Institute of Technology Islandbar (hereinetter)

called NIT Jalandhar)having agreed of a concluded Order No (here	to release the payment of i	net value as per terms <i>(hereinafter called</i>	s and conditions <b>d 'the order')</b> for
(hereinafter called 'the supplier') Jalandhar for the due performance of We, Messers FDR/TDR No	of the said order		atisfaction of NIT
ssued by favour of Registrar, NIT Jalandha unconditionally and absolutely und Jalandhar by reason of any failure o part of its obligations to the satisfact	r as performance guarant ertake against any loss or f the supplier to perform or o	tee amount and here damage caused or commission or negligence	eby irrevocably, suffered by NIT
We, the supplier, do hereby authorized amount / undertake to pay the amount / undertake to pay the amount / undertake to pay the NIT Jeamage caused to or would be caused us of any of the terms and concernission or negligence to perform to bay to NIT Jalandhar any amount so	ount due and payable und alandhar stating that the am sed to or suffered by the NI ditions contained in the said he said order or any part the	er this guarantee with nount claimed is due b IT Jalandhar by reason d order or by reason nereof. We, the Suppli	hout any demur by way of loss or on of any breach of our failure or

- a) Any dispute or difference between NIT Jalandhar and supplier or any other person or between the supplier or any person or any suit or proceeding pending before any court or tribunal or arbitrator relating thereto; or
- b) The invalidity, irregularity or unenforceability of the order; or
- c) Any other circumstances which might otherwise constitute discharge of this guarantee, including any act of omission or commission on the part of NIT Jalandhar to enforce the obligations by the supplier or any other person for any reason whatsoever.

We, the Supplier, further agree that the performance Bond/ Guarantee herein contained shall be continued one and remain in full force and effect during the period that would be taken for the performance of the said order and that it shall continue to be enforceable till all the dues of the NIT Jalandhar under or by virtue of the said order have been fully paid and its claims satisfied or discharged or till the office of the Registrar, NIT Jalandhar certifies that terms and conditions of the said order have been fully and promptly carried out by us and accordingly discharges this Performance Bond/ Guarantee.

We, the Supplier, further agree with NIT Jalandhar, that NIT Jalandhar shall have the fullest liberty without our consent and without affecting in any manner our obligations hereunder to vary any of the terms and conditions of the said order or to extend time of performance by the said supplier from time to time or to postpone for any time or from time and of the powers exercisable by the NIT Jalandhar against the said supplier and forbear or enforce any of the terms and conditions relating to the order and we shall not be relieved from our liability by reason of any such variation or extension being granted to us or for any forbearance, act or omission on the part of NIT Jalandhar or any indulgence by NIT Jalandhar to us or by any such matter or thing whatsoever which under the law relating to sureties would, but for this provision, have effect of so relieving us.

This Performance Bond/Guarantee will not be discharged due to the change in the constitution of the supplier. We, the Supplier, undertake not to revoke this Performance Bond / Guarantee except with the prior consent of NIT Jalandhar in writing.

The disputes relating to this Bank Performance Bond / Guarantee shall be resolved as per the terms and conditions of the order.



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#### Annexure "C"

#### FORMAT FOR PERFORMANCE BOND (BANK GUARANTEE)

In consideration for the Registrar National Institute of Technology Jalandhar (hereinafter called NIT

Jalandhar) having agreed to release the payment of net value as per terms and conditions of a concluded Order No dated (hereinafter called 'the order') for supply of (hereinafter called 'the Supplier') on submission of a Bank Guarantee to the satisfaction of NIT Jalandhar for the due performance of the said order.  We, (hereinafter called 'the Bank') at the request of the supplier do, as a primary obliger and not merely as surety, hereby irrevocably unconditionally and absolutely undertake against any loss or damage caused or suffered by NIT Jalandhar by reason of any failure of the supplier to perform or omission or negligence to perform any part of its obligations to the satisfaction of NIT Jalandhar in terms of the order.  We, the Bank do hereby undertake to pay the amount due and payable under this guarantee without any demur merely on a demand from NIT Jalandhar stating that the amount claimed is due by way of loss or damage caused to or would be caused to or suffered by NIT Jalandhar by reason of any breach by the said supplier of any of the terms and conditions contained in a said order or any part thereof. Any such demand made on the Bank shall be conclusive as regards the amount due and payable by the bank under this guarantee, which shall not be considered as satisfied by any intermediate payment or satisfaction of any part of or obligation hereunder. However, our liability under this guarantee shall be restricted to an amount not exceeding  We, the Bank, undertake to pay to NIT Jalandhar any amount so demanded by NIT Jalandhar, notwithstanding a). Any dispute and difference between NIT Jalandhar and supplier or any other person or between the supplier or any person or any suit or proceeding pending before any court or tribunal or arbitrator relating thereto or		i ioi ilic registiai, ma					
of							udec
Messrs							
to the satisfaction of NIT Jalandhar for the due performance of the said order.  We,							
We,	Messrs	(herei	nafter called '	the supplie	<b>r')</b> on submission o	of a Bank Guara	antee
request of the supplier do, as a primary obliger and not merely as surety, hereby irrevocably unconditionally and absolutely undertake against any loss or damage caused or suffered by NIT Jalandhar by reason of any failure of the supplier to perform or omission or negligence to perform any part of its obligations to the satisfaction of NIT Jalandhar in terms of the order.  We, the Bank do hereby undertake to pay the amount due and payable under this guarantee without any demur merely on a demand from NIT Jalandhar stating that the amount claimed is due by way of loss or damage caused to or would be caused to or suffered by NIT Jalandhar by reason of any breach by the said supplier of any of the terms and conditions contained in a said order or any part thereof. Any such demand made on the Bank shall be conclusive as regards the amount due and payable by the bank under this guarantee, which shall not be considered as satisfied by any intermediate payment or satisfaction of any part of or obligation hereunder. However, our liability under this guarantee shall be restricted to an amount not exceeding  We, the Bank, undertake to pay to NIT Jalandhar any amount so demanded by NIT Jalandhar, notwithstanding a). Any dispute and difference between NIT Jalandhar and supplier or any other person or between the supplier or any person or any suit or proceeding pending before any court or tribunal or arbitrator relating	to the satisfaction	n of NIT Jalandhar for th	ne due performa	ance of the s	said order.		
request of the supplier do, as a primary obliger and not merely as surety, hereby irrevocably unconditionally and absolutely undertake against any loss or damage caused or suffered by NIT Jalandhar by reason of any failure of the supplier to perform or omission or negligence to perform any part of its obligations to the satisfaction of NIT Jalandhar in terms of the order.  We, the Bank do hereby undertake to pay the amount due and payable under this guarantee without any demur merely on a demand from NIT Jalandhar stating that the amount claimed is due by way of loss or damage caused to or would be caused to or suffered by NIT Jalandhar by reason of any breach by the said supplier of any of the terms and conditions contained in a said order or any part thereof. Any such demand made on the Bank shall be conclusive as regards the amount due and payable by the bank under this guarantee, which shall not be considered as satisfied by any intermediate payment or satisfaction of any part of or obligation hereunder. However, our liability under this guarantee shall be restricted to an amount not exceeding  We, the Bank, undertake to pay to NIT Jalandhar any amount so demanded by NIT Jalandhar, notwithstanding a). Any dispute and difference between NIT Jalandhar and supplier or any other person or between the supplier or any person or any suit or proceeding pending before any court or tribunal or arbitrator relating	We,			(/	hereinafter called	'the Bank') a	t the
demur merely on a demand from NIT Jalandhar stating that the amount claimed is due by way of loss or damage caused to or would be caused to or suffered by NIT Jalandhar by reason of any breach by the said supplier of any of the terms and conditions contained in a said order or any part thereof. Any such demand made on the Bank shall be conclusive as regards the amount due and payable by the bank under this guarantee, which shall not be considered as satisfied by any intermediate payment or satisfaction of any part of or obligation hereunder. However, our liability under this guarantee shall be restricted to an amount not exceeding  We, the Bank, undertake to pay to NIT Jalandhar any amount so demanded by NIT Jalandhar, notwithstanding a). Any dispute and difference between NIT Jalandhar and supplier or any other person or between the supplier or any person or any suit or proceeding pending before any court or tribunal or arbitrator relating	unconditionally a by reason of ar	and absolutely undertakeny failure of the supplie	e against any lo r to perform or	oss or dama omission o	ge caused or suffer r negligence to pe	ed by NIT Jalar	ndhái
	demur merely o damage caused supplier of any o made on the Ba guarantee, whice part of or obligation of exceeding _ We, the Bank, notwithstanding or between the arbitrator relating	n a demand from NIT J. to or would be caused to f the terms and condition ank shall be conclusive h shall not be considere tion hereunder. Howeve  undertake to pay to a). Any dispute and diff supplier or any person	alandhar statin o or suffered by ins contained in as regards the ed as satisfied r, our liability un NIT Jalandhar erence betwee	g that the are y NIT Jaland in a said order amount during by any interinder this guar any amouen NIT Jalan	mount claimed is do har by reason of an er or any part thereone and payable by mediate payment of arantee shall be resent so demanded dhar and supplier of	ue by way of looking breach by the look of. Any such denote the bank under satisfaction of the look of	ss or said nand r this f any nount thar, rson
a). The invalidity irregularity or upenforceability of the order or		h, irragularit, ar unanfar	coobility of the	ordor or			

- a). The invalidity, irregularity or unenforceability of the order or
- b). Any other circumstances which might otherwise constitute discharge of this guarantee, including any act of omission or commission on the part of NIT Jalandhar to enforce the obligations by the supplier or any other person for any reason whatsoever.

We, the Bank, further agree that the guarantee herein contained shall continue and remain in full force and effect during the period that would be taken for the performance of the said order and that it shall continue to be enforceable till all the dues of NIT Jalandhar under or by virtue of the said order have been fully paid and its claims satisfied or discharged or till the office of the Registrar, NIT Jalandhar confirms that the terms and conditions of the said order have been fully and promptly carried out by the said supplier and accordingly discharge this guarantee.

We, the Bank, hereby agree and undertake that any claim which the bank may have against the supplier shall be subject to and subordinate to the prior payment and performance in full of all the obligations of the bank hereunder and the bank will not, without prior written consent of NIT Jalandhar, exercise any legal rights or remedies of any kind in respect of any such payment or performance so long as the obligations of the bank hereunder remain owning and outstanding, regardless of the insolvency, liquidation or bankruptcy of the supplier or otherwise. We, the Bank, will not counter claim or set off against its liabilities to NIT Jalandhar hereunder any sum outstanding to the credit of NIT Jalandhar with it.

We, the Bank, further agree with NIT Jalandhar, that NIT Jalandhar shall have the fullest liberty without our consent and without affecting in any manner our obligations hereunder to vary any of the terms and conditions of the said order or to extend time of performance by the said supplier from time to time or to postpone for any time or from time to time and of the powers exercisable by the NIT Jalandhar against the said supplier and forbear or enforce any of the terms and conditions relating to the order and we shall not be relieved from our liability by reason of any such variation or extension being granted to the said supplier or for any forbearance, act or omission on the part of NIT Jalandhar or any indulgence by NIT Jalandhar to the said supplier or by any such matter or thing whatsoever which under the law relating to sureties would, but for this provision, have effect of so relieving us.

This guarantee will not be discharged due to the change in constitution of the Bank or the supplier.

We, the Bank, lastly undertake not to revoke this Guarantee during its currency except with the prior consent of NIT Jalandhar in writing.

The disputes relating to this Bank Guarantee shall be resolved as per the terms and conditions of the order.



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#### Annexure "D"

### **FORMAT FOR MANUFACTURER'S AUTHORIZATION FORM**

To, The Registrar Dr B. R Ambedkar Natio Jalandhar	onal Institute of	f Technol	ogy				
Sub. : e-Tender for "	·	".					
Dear Sir,							
We,	_,having factor	y/office at			, here	by authori	ze M/s
order with you for the abo	-	-		o. o <sub>1</sub> to 10.0.,	, 90		
We shall remain M/s	responsible	for th	ne tender	r/Agreeme	ent ne	gotiated	by
We hereby extend our ful goods offered for supply  1  2	against this invit	tation for b	oid by the ab			of tender	for the
*specify in detail man	ufacturer's res	<b>pon</b> sibiliti	es the servic	es to be r	endered b	у	
M/s	_ are as under:						
i)							
ii)							
[Specify the services changed or agent/ distrib and obligations to the n	utor is changed	it shall be	obligatory	on us to a	utomatica	lly transfe	r all the duties



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#### Annexure "E"

## DECLARATION REGARDING BLACKLISTING / DEBARRING FOR TAKING PART IN TENDER

#### **Self Attested**

I / We	(Tenderer) hereby declare that the firm / agency namely
M/s	has not been blacklisted or
	Union / State Government or organization from taking part in
Government tenders in India	ì.
	Or
I / Wo	(Tandarar) haraby declars that the Firm / agency namely
	(Tenderer) hereby declare that the Firm / agency namely was blacklisted or
	Government or any Organization from taking part in Government
tenders for a period of	continuous of any organization from talking part in octoniment
•	ears w.e.f to The period is over on
	w the firm/company is entitled to take part in Government tenders.
	on found false I / we are fully aware that the tender/ contract by Director, NIT Jalandhar, and EMD / SD shall be forfeited.
Will be rejected / carlociled b	y Bricotof, 1417 Galarianar, and EIVIB / GB Grail Bo forfolioa.
DEPONENT	
Attested:	
	ustherized eign)
(Stamp of Company with a	• .
Name	
Address	



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## Annexure: "F" CERTIFICATE OF WARRANTY

starting Equipme order. I replace Equipme own cos of satisf premise	from the date of ent /Item and of the during the warrant ment of any part(sent /Item will be free t and responsibility. actory and faultless	y shall be for a period of satisfactory installation, works conducted therewilly period, I/we shall property of the Equipment /Ite of cost. The replacement We undertake that the as functioning of the Equipment in dates of the warming the satisfactors.	commissioning and heth covered under the surpovide free "after salum or rectification of det of the parts shall be above warranty shall beginment /Item for 60 da	nanding over of the apply order in working eservice" and the efects of work of the arranged by us, at our gin only from the date bys at NIT Jalandhar
i). During the	warranty period, we	shall provide at least	preventive ma	aintenance visits.
/Item in goo	od working condition	warranty period, we will s for a period 350 days (inded by us within 2 wor	.e. 95% uptime) in a blo	ock of 365 days.
count th	e number of days in ponse time of 2 d	ore than 2 days in attending excess of the permissible ays for attending to a continuous	e response time in the	downtime. The above

## Note: The right to accept the reason (s) for delay and consider reduction or wave off the penalty for the same shall be at the sole discretion of Director, NIT Jalandhar

/Item for every week or part thereof delay in rectifying the defect.

iv). We certify that the Equipment /Item being/ quoted is the I	atest model and that spares for the
Equipment /Item will be available for a period of at least	years and we also guarantee
that we will keep the organization informed of any update of the Ec	quipment /Item over a period of
years.	

c). Penalty: We shall pay a penalty equivalent to 0.5 % of the FOB/CIF value of the Equipment

- v). We guarantee that in case we fail to carry out the maintenance within the stipulated period, NIT Jalandhar reserves the right to get the maintenance work carried out at our risk, cost and responsibility after informing us. All the expenses including excess payment for repairs/maintenance shall be adjusted against the Performance Bank Guarantee. In case the expenses exceed the amount of Performance Bank Guarantee, the same shall be recoverable from us with/without interest in accordance with the circumstances.
- vi).We shall try to repair the Equipment /Item at NIT Jalandhar premises itself. However, the Equipment /Item will be taken to our site on our own expenses in case it is not possible to repair the same at NIT Jalandhar. We shall take the entire responsibility for the safe custody and transportation of the Equipment /Item taken out for repairs till the Equipment /Item is rehabilitated to the NIT Jalandhar after repair Any loss of Equipment /Item or its accessories under its charge on account of theft, fire or any other reasons shall be at our sole risk and responsibility which will be compensated to NIT Jalandhar for such losses at the FOB/CIF value for the damaged/lost Equipment /Item part, including accessories.
- vii. We undertake to perform calibration after every major repair/breakdown/taking the Equipment /Item for repair out of NIT Jalandhar premises.
- viii. In case of extended warrantee, we undertake to carry out annual calibration of the Equipment /Item.
- ix. We guarantee that we will supply spare parts if and when required on agreed basis for an agreed price. The agreed basis could be an agreed discount on the published catalogue price.
- x. We guarantee to the effect that before going out of production of spare parts, we will give adequate advance notice to you so that you may undertake to procure the balance of the life time requirements of spare parts.
- xi. We guarantee the entire unit against defects of manufacture, workmanship and poor quality of components.

Signature & Seal of the Manufacturer/Tenderer

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