

**TENDER FOR SUPPLY AND INSTALLATION OF LAB EQUIPMENT
AT INDIAN MARITIME UNIVERSITY- NAVI MUMBAI CAMPUS**



TENDER No: IMU-NMC/Lab./2020/0010

Issue Date: 03.02.2020 at 1500 hrs

Issued To,

Issue of Tender Document	03.02.2020 at 1500 hrs
Date & Time of Pre bid Meeting	07.02.2020 at 1100 hrs
Last Date & Time of Submission of the Tender	18.02.2020 upto 1400 hrs
Date and Time of Opening of the Bids	18.02.2020 at 1430 hrs

All bidders are requested to visit IMU Mumbai Campus website: www.imunavimumbai.ac.in for regular updates.

1. General Information:

TENDER ENQUIRY

Subject: Tender Enquiry for supply and installation of Lab Equipments at IMU-NMC.

Issue Date and Time of Tender : 03.02.2020 at 1500 hrs

Last Date for Submission of Tender: 18.02.2020 upto 1400 hrs

Duly sealed tenders are invited on behalf of Deputy Registrar (Admin.), Indian Maritime University, T.S. Chanakya, Navi Mumbai Campus ,Karave, Nerul, Navi Mumbai- 400706, for the supply and installation of below-mentioned Lab equipments strictly as per below specifications.

Sr. No.	Name of Instruments / Kits	Specifications / Features/Requirements
1	Study of Radar Trainer (educational)	<ul style="list-style-type: none">• Complete hardware and software setup to demonstrate Radar concepts• Signals study on Software / Oscilloscope with the help of test points on trainer board with Object Counter• Real time fan RPM measurements and vibrations measurements with the help of tuning forks• Tripod stand provided for height and level matching• LED Indication for Doppler Echo Signal• On board alarm for detected signals Scope of Learning• Measurement of Doppler Frequency, Amplitude• Measurement of Velocity, RPM
2	Characteristics of Photoelectric cell	<ul style="list-style-type: none">• Study, perform, demonstrate and plot the characteristics of a Photo Cell as a light dependent device.• Study, perform and demonstrate effect of variable light intensity (radiant energy) on photo cell.• Built - in Photo Cell, Load Resistors and other necessary components.• Built - in variable intensity light source.• Mains ON / OFF switch with LED indicator for supply "ON".• Multi - coloured sturdy 4mm test points with various stages in the circuit to observe the waveforms, voltages and for necessary inter connections.• Provision for connecting external voltmeter / current meter as per requirement.• Working on 230V, 50Hz, single phase AC mains.
3	Hartley Oscillator	<ul style="list-style-type: none">• Construction and study of Hartley Oscillator which contains a tuned L - C circuit with transistor.• Study the change in output frequency by changing L

		<ul style="list-style-type: none"> - C combinations, by varying shunt capacitance "C" and / or varying inductance L. • Determination of the frequency of oscillation using the formula. • Verification of observation and calculated frequency. • Instruction manual complete with theory and operating details. • Built - in DC regulated power supply with short circuit protection and LED indication for supply "ON" to works on 230V AC Mains.
4	Colpitt Oscillator	<ul style="list-style-type: none"> • Construction and study of Colpitt's oscillator which contains a tuned L - C circuit with transistor and inductance. • Study the change in output frequency by changing L - C combinations, by varying inductance 'L' and / or capacitance C. • Determination of the frequency of oscillation using the formula. • Verification of observation and calculated frequency. • Instruction manual complete with theory and operating details. • Built - in DC regulated power supply with short circuit protection and LED indication for supply "ON" to works on 230V AC Mains.
5	Verification of KVL	<ul style="list-style-type: none"> • Demonstrates the principle & verification of Kirchoff's Law :i. Current Law.ii. Voltage Law. • based on resistive circuit. • Facility for connecting external Power Supply. • Built - in Resistor bank for building various combinations. • Set of required number of patch cords. • Multi - coloured test points are provided in the circuit to observe voltages. • Instruction manual complete with theory and operating details. • Built - in DC regulated power supply with short circuit protection & LED indication for supply "ON" to work on 230V AC Mains.
6	Verification of KCL	<ul style="list-style-type: none"> • Demonstrates the principle & verification of Kirchoff's Law :i. Current Law.ii. Voltage Law. • based on resistive circuit. • Facility for connecting external Power Supply. • Built - in Resistor bank for building various combinations. • Set of required number of patch cords. • Multi - coloured test points are provided in the circuit to observe voltages. • Instruction manual complete with theory and operating details. • Built - in DC regulated power supply with short circuit protection & LED indication for supply "ON" to

		work on 230V AC Mains.
7	Verification of Superposition Theorem	<ul style="list-style-type: none"> • Demonstrates the principle & verification of Super Position Theorem based on resistive circuit • Facility for connecting external Power Supply. • Built - in Resistor bank for building various combinations. • Set of required number of patch cords. • Multi - coloured test points are provided in the circuit to observe voltages. • Built - in DC regulated power supply with short circuit protection & LED indication for supply "ON" to work on 230V AC Mains.
8	Low pass filter	<ul style="list-style-type: none"> • Demonstrates The Principle & Working Of Low Pass Filter Circuit. • Built - In Bank Of Resistors Capacitors • Various Combinations Of RLC In Series. • Set Of Required Number Of Patch Cords. • Instruction Manual Complete With Theory And Operating Details.
9	High Pass filter	<ul style="list-style-type: none"> • Demonstrates the principle & working of high pass filter circuit. • Study the attenuation & phase characteristics of the filter circuit. • Set of required number of patch cords. • Instruction manual complete with theory and operating details.
10	Band Pass filter	<ul style="list-style-type: none"> • Demonstrates the principle & working of band pass Filter circuit. • Study the attenuation & phase characteristics of the filter circuit. • Set of required number of patch cords. • Instruction manual complete with theory and operating details.
11	Band Stop filter	<ul style="list-style-type: none"> • Demonstrates the principle & working of band stop/reject filter circuit. • Study the attenuation & phase characteristics of the filter circuit. • Set of required number of patch cords. • Instruction manual complete with theory and operating details.
12	Study of R-L-C series resonance circuit	<ul style="list-style-type: none"> • Demonstrates the principle & verification of Series Resonance circuit • Built - in bank of resistors capacitors and coils. • Various combinations of RLC in series possible. • Multi - coloured test points are provided in the circuit to observe voltages. • Set of required number of patch cords. • Instruction manual complete with theory and operating details.
13	Study of R-L-C Parallel resonance	<ul style="list-style-type: none"> • Demonstrates the principle & verification of Parallel Resonance circuit

	circuit	<ul style="list-style-type: none"> • Built - in bank of resistors capacitors and coils. • Various combinations of RLC in series possible. • Multi - coloured test points are provided in the circuit to observe voltages. • Set of required number of patch cords. • Instruction manual complete with theory and operating details.
14	Velocity of sound in air	<ul style="list-style-type: none"> • Two Microphones — crystal microphones • Audio Frequency Generator • Speaker
15	Digital Stop Watch	<ul style="list-style-type: none"> • Digital Desktop Stopwatch Counter • Stopwatch show hour, minute, second • Powered by one button cell (Included)
16	Diffraction grating element(15000-18000 LPI)	<ul style="list-style-type: none"> • Student Grating Glass Or Diffraction Grating Glass 600 Lines I.e 15000 LPI • Size: 63mm x 48mm • Lines Per mm : 600 Lines • Lines Per Inch: 15000LPI
17	Kit of Thermistor as temperature sensor	<ul style="list-style-type: none"> • NTC Sensing Thermistor Sample kit • Resistance values at 25 °c from 10 Kw to 100KW- Beta of 3,950K and 4500K. • Thermal time constant down to 10.0s. • Maximum Power of 125mW-ACCU curve series. • Tolerance of ± 2 °c • Thermal constant of 7.0
18	Kit of Stefan's Law verification	<ul style="list-style-type: none"> • Stefan's Constant apparatus has been designed to study the Stefan's Law of radiation. • Continuously variable, over load & short circuit protected DC regulated power supply of 0 to 20 V. Voltmeter & Current meter are mounted on the front panel to measure the voltage & current. Bulb holder with bulbs 6v is mounted on the front panel.
19	Weston differential Pulley	<ul style="list-style-type: none"> • Storage tray(with clip-on lid): 450mmx320mmx85mm, Nett weight 3.8 kg • Packed volume and weight: Approximately 0.015 m³ and 4.3 Kg main parts. • Single, double and triple wheel(sheave) pulleys • Weston differential pulley • Wheel and axle • Weight hangers and weights
20	Helium-Neon Laser Kit	<ul style="list-style-type: none"> • 2 milliwatt Laser, Mountable on optical bench, within built power supply workable on 220V AC. 50 Hz. Design for continues working, highly rugged mechanical setup. Up-Down motion for beam.
21	Kit of Measurement of Inductance & Capacitance by AC Bridges	<ul style="list-style-type: none"> • Parameters to be measured: 1 Resistance 2.Capacitance 3.Inductance • Type of Bridge: Maxwell Bridge Inductance • Excitation Signal: AC- 1KHzSine wave • Detector: AC Amplifier and headphone
22	Kit of find the ration	<ul style="list-style-type: none"> • Parameter to be measured inductance of coil.

	of inductance value of a coil having air core& iron core	
23	Thermometer	<ul style="list-style-type: none"> • Glass thermometer range from 0 to 100 °c
24	Voltmeter(0-10 volt)range	<ul style="list-style-type: none"> • Range from 0-10 volt
25	Voltmeter(0-15 Volt) range	<ul style="list-style-type: none"> • Range from 0-15 volt
26	Voltmeter(0-25 Volt) range	<ul style="list-style-type: none"> • Range from 0-25 volt
27	Ammeter(0-10µA) range	<ul style="list-style-type: none"> • Range from 0-10 micro Ampere
28	Ammeter(0-15mA) range	<ul style="list-style-type: none"> • Range from 0-15 milli. Ampere
29	Ammeter(0-25mA)	<ul style="list-style-type: none"> • Range from 0-25 milli Ampere

Only reputed OEM/Authorized Dealers are requested to quote their minimum rates **strictly** as per tender specifications in attached Price Bid Format as **Annexure 'v'**. Third Party/reseller bids shall not be accepted. The Authorized dealer must have Captive Service station in Mumbai/Navi Mumbai area.

(2) TERMS AND CONDITIONS :

1. SUBMISSION OF BID :

The offer in a duly sealed envelope should be sent by courier/Regd. Post or in person duly super subscribed as "*Tender Enquiry for supply and installation of Lab equipments at IMU-NMC*" on top of the envelope so as to reach the office of IMU–Navi Mumbai Campus on or before stipulated due date and time. Offers sent through Fax/E-mail will not be accepted. Bidders are advised to submit the tender by hand so that it is submitted within given time. IMU – Navi Mumbai Campus will not be responsible for delayed/late submission/received late by Post/Courier.

2. Tender Document :

Tender document can be down loaded from IMU – Navi Mumbai Campus website www.imunavimumbai.ac.in. Bidders must read the document carefully and should submit a copy of full tender document duly stamped and signed on each page by authorized signatory as a token of having read and understood the tender terms.

3. The Bidders must submit the following with their Bid :

(i) Valid authorization certificate of respective OEM.

(ii) Brochure containing complete specifications and features of the lab equipment.

(iii) List of authorized service center in Mumbai/Navi Mumbai and

(iv) Copy of tender document stamped and signed on each page.

4. Offer must be on letterhead of agency and strictly as per price bid format attached herewith as annexure 'v'
5. Authorization certificate from OEM and brochure containing detailed specifications of equipments must be submitted with offer.
6. Discounts/ corporate discount, Delivery period, Guarantee/Warranty period/Extended Warranty, Taxes, or any other financial term must be clearly mentioned in the offer. If taxes are not mentioned then rates will be considered as inclusive of all.
7. List of standard accessories, which comes with new equipments, must be clearly mentioned with quantity.
8. NOTE :
Interested Bidders must ensure about availability of sufficient authorized service and maintenance network located in Navi-Mumbai for providing prompt service support as and when required. Kindly enclose address and contact numbers of such authorized workshops.
9. A bidder having more than one option which meets the basic specifications may submit quote for each option separately in same bid.
10. Tender Opening :
Tenders shall be opened on as per schedule date and time at IMU – Navi Mumbai Campus in the presence of the bidders or their authorized representatives who choose to attend the same. Camera/mobile phones etc. are strictly prohibited during the process of tender opening.
11. Award of Tender :
Tender shall be considered for awarding to an eligible agency that quoted lowest rates subject to matching quality and tender specifications. However, IMU – Navi Mumbai Campus Committee reserves the right to choose, accept or reject any or all offers, in full or parts, at any stage, cancel the tender without assigning any reason thereof. Kindly note that Bids shall be evaluated as per tender specifications; hence bidders are advised to offer their equipment model and quote accordingly. No submission shall be entertained after bid opening.
12. Validity of the Tender :
Bids shall be valid for a period of 60 days from the date of opening of the tender.
13. Delivery Period :
The goods/items are required to be delivered within 15 days from the date of supply order during working days except all Saturday, Sunday & Gazetted Holidays.

14. Penalty for delayed Services/LD :

Delayed delivery beyond delivery period agreed will be liable for liquidated damages @ 0.5% of order value per week delay or part thereof subject to a maximum of 5% of supply order value. Such money will be deducted from any amount due or which may become due to supplier.

15. Payment Terms :

100% payment shall be released within 15 days by cheque/ online transfer after receipt & acceptance of ordered item in good condition on submission of pre-receipted bill. Bidders are to provide bank account details of the company for online transfer of payment in the prescribed MANDATE FORM attached.

16. Jurisdiction :

Disputes, legal matters, court matters, if any, shall be subject to Navi Mumbai Jurisdiction only.

17. Arbitration :

In the event of any dispute arising between IMU – Navi Mumbai Campus and the agency in any matter covered by this contract or arising directly or indirectly there from or connected or concerned with the said rate contract, the matter shall be referred to the IMU – Navi Mumbai Campus who may himself act as sole arbitrator or may name as sole arbitrator an officer of IMU – Navi Mumbai Campus notwithstanding the fact that such officer has been directly or indirectly associated with this rate contract and the provisions of the Indian Arbitration Act shall apply to such arbitration. The agency expressly agrees that the arbitration proceedings shall be held at IMU – Navi Mumbai Campus and the decision given by the arbitrator shall be binding for the both the parties. The arbitration and Conciliation Act of 1996 as amended from time to time shall govern the Arbitration proceedings

(3) Guarantee/Warranty and Damages

Guarantee/Warranty Terms:

- a) The successful Bidder has to warrant that the Goods supplied under this Contract are new, unused, of the most recent or current models and incorporate all recent improvements in design and materials unless provided otherwise in the Contract.
- b) The successful Bidder further have to warrant that the Goods supplied under this Contract shall have no defect arising from design, materials or workmanship (except when the design and/or material is required by the Tender Inviting Authority's specifications) or from any act or omission of the successful Bidder, that may develop under normal use of the supplied goods.
- c) All the equipments including the accessories supplied as per the technical specification as mentioned in the bidding document should carry comprehensive warranty (including all spares, accessories and consumables) for a period mentioned in this document in the first

instance. During this period, the successful Bidder shall replace all defective parts / accessories / consumables and attend to all repairs/break. The cost of spare parts for all replacements has to be borne by the successful Bidder during the period of comprehensive warranty. The items which are not covered under warranty should be clearly mentioned along with rate of the items.

- d) The Bidder shall attend any number of break down/repair calls as and when informed by the institute authority.
- e) The equipment which requires calibration post repairs will have to be calibrated at the cost of supplier.

i. Warranty Period:

- a) The "Complete System" shall remain under warranty period of 3 years from the date of satisfactory installation.
- b) During warranty period of 3 years, bidder shall provide free onsite repair/free repairs with transportation at his cost.

ii. Calibration- calibration of lab equipments will be done by the successful bidder for free of charge for 2 years after the supply and installation of equipments.

ANNEXURE-I

COMPLIANCE SHEET

Sr. No.	Name of Instruments / Kits	Specifications / Features	Compliance (Yes/No) To be filled by the bidders
1	Study of Radar Trainer (educational)	<ul style="list-style-type: none"> • Complete hardware and software setup to demonstrate Radar concepts • Signals study on Software / Oscilloscope with the help of test points on trainer board with Object Counter • Real time fan RPM measurements and vibrations measurements with the help of tuning forks • Tripod stand provided for height and level matching • LED Indication for Doppler Echo Signal • On board alarm for detected signals Scope of Learning • Measurement of Doppler Frequency, Amplitude • Measurement of Velocity, RPM 	
2	Characteristics of Photoelectric cell	<ul style="list-style-type: none"> • Study, perform, demonstrate and plot the characteristics of a Photo Cell as a light dependent device. • Study, perform and demonstrate effect of variable light intensity (radiant energy) on photo cell. • Built - in Photo Cell, Load Resistors and other necessary components. • Built - in variable intensity light source. • Mains ON / OFF switch with LED indicator for supply "ON". • Multi - coloured sturdy 4mm test points with various stages in the circuit to observe the waveforms, voltages and for necessary inter connections. • Provision for connecting external voltmeter / current meter as per requirement. • Working on 230V, 50Hz, single phase AC mains. 	
3	Hartley Oscillator	<ul style="list-style-type: none"> • Construction and study of Hartley Oscillator which contains a tuned L - C circuit with transistor. • Study the change in output frequency by changing L - C combinations, by varying shunt capacitance "C" and / or varying inductance L. • Determination of the frequency of oscillation using the formula. • Verification of observation and calculated frequency. • Instruction manual complete with theory and operating details. • Built - in DC regulated power supply with short circuit protection and LED indication for supply "ON" to works on 230V AC Mains. 	
4	Colpitt Oscillator	<ul style="list-style-type: none"> • Construction and study of Colpitt's oscillator which contains a tuned L - C circuit with transistor and inductance. • Study the charge in output frequency by changing L - C combinations, by varying inductance 'L' and / or 	

		<p>capacitance C.</p> <ul style="list-style-type: none"> • Determination of the frequency of oscillation using the formula. • Verification of observation and calculated frequency. • Instruction manual complete with theory and operating details. • Built - in DC regulated power supply with short circuit protection and LED indication for supply "ON" to works on 230V AC Mains. 	
5	Verification of KVL	<ul style="list-style-type: none"> • Demonstrates the principle & verification of Kirchoff's Law :i. Current Law.ii. Voltage Law. • based on resistive circuit. • Facility for connecting external Power Supply. • Built - in Resistor bank for building various combinations. • Set of required number of patch cords. • Multi - coloured test points are provided in the circuit to observe voltages. • Instruction manual complete with theory and operating details. • Built - in DC regulated power supply with short circuit protection & LED indication for supply "ON" to work on 230V AC Mains. 	
6	Verification of KCL	<ul style="list-style-type: none"> • Demonstrates the principle & verification of Kirchoff's Law :i. Current Law.ii. Voltage Law. • based on resistive circuit. • Facility for connecting external Power Supply. • Built - in Resistor bank for building various combinations. • Set of required number of patch cords. • Multi - coloured test points are provided in the circuit to observe voltages. • Instruction manual complete with theory and operating details. • Built - in DC regulated power supply with short circuit protection & LED indication for supply "ON" to work on 230V AC Mains. 	
7	Verification of Superposition Theorem	<ul style="list-style-type: none"> • Demonstrates the principle & verification of Super Position Theorem based on resistive circuit • Facility for connecting external Power Supply. • Built - in Resistor bank for building various combinations. • Set of required number of patch cords. • Multi - coloured test points are provided in the circuit to observe voltages. • Built - in DC regulated power supply with short circuit protection & LED indication for supply "ON" to work on 230V AC Mains. 	
8	Low pass filter	<ul style="list-style-type: none"> • Demonstrates The Principle & Working Of Low Pass Filter Circuit. • Built - In Bank Of Resistors Capacitors • Various Combinations Of RLC In Series. • Set Of Required Number Of Patch Cords. • Instruction Manual Complete With Theory And Operating Details. 	
9	High Pass filter	<ul style="list-style-type: none"> • Demonstrates the principle & working of high pass filter circuit. 	

		<ul style="list-style-type: none"> • Study the attenuation & phase characteristics of the filter circuit. • Set of required number of patch cords. • Instruction manual complete with theory and operating details. 	
10	Band Pass filter	<ul style="list-style-type: none"> • Demonstrates the principle & working of band pass Filter circuit. • Study the attenuation & phase characteristics of the filter circuit. • Set of required number of patch cords. • Instruction manual complete with theory and operating details. 	
11	Band Stop filter	<ul style="list-style-type: none"> • Demonstrates the principle & working of band stop/reject filter circuit. • Study the attenuation & phase characteristics of the filter circuit. • Set of required number of patch cords. • Instruction manual complete with theory and operating details. 	
12	Study of R-L-C series resonance circuit	<ul style="list-style-type: none"> • Demonstrates the principle & verification of Series Resonance circuit • Built - in bank of resistors capacitors and coils. • Various combinations of RLC in series possible. • Multi - coloured test points are provided in the circuit to observe voltages. • Set of required number of patch cords. • Instruction manual complete with theory and operating details. 	
13	Study of R-L-C Parallel resonance circuit	<ul style="list-style-type: none"> • Demonstrates the principle & verification of Parallel Resonance circuit • Built - in bank of resistors capacitors and coils. • Various combinations of RLC in series possible. • Multi - coloured test points are provided in the circuit to observe voltages. • Set of required number of patch cords. • Instruction manual complete with theory and operating details. 	
14	Velocity of sound in air	<ul style="list-style-type: none"> • Two Microphones — crystal microphones • Audio Frequency Generator • Speaker 	
15	Digital Stop Watch	<ul style="list-style-type: none"> • Digital Desktop Stopwatch Counter • Stopwatch show hour, minute, second • Powered by one button cell (Included) 	
16	Diffraction grating element(15000-18000 LPI)	<ul style="list-style-type: none"> • Student Grating Glass Or Diffraction Grating Glass 600 Lines I.e 15000 LPI • Size: 63mm x 48mm • Lines Per mm : 600 Lines • Lines Per Inch: 15000LPI 	
17	Kit of Thermistor as temperature sensor	<ul style="list-style-type: none"> • NTC Sensing Thermistor Sample kit • Resistance values at 25 °c from 10 Kw to 100KW-Beta of 3,950K and 4500K. • Thermal time constant down to 10.0s. • Maximum Power of 125mW-ACCU curve series. • Tolerance of ± 2 °c • Thermal constant of 7.0 	

18	Kit of Stefan's Law verification	<ul style="list-style-type: none"> Stefan's Constant apparatus has been designed to study the Stefan's Law of radiation. Continuously variable, over load & short circuit protected DC regulated power supply of 0 to 20 V. Voltmeter & Current meter are mounted on the front panel to measure the voltage & current. Bulb holder with bulbs 6v is mounted on the front panel. 	
19	Weston differential Pulley	<ul style="list-style-type: none"> Storage tray(with clip-on lid): 450mmx320mmx85mm, Nett weight 3.8 kg Packed volume and weight: Approximately 0.015 m³ and 4.3 Kg main parts. Single, double and triple wheel(sheave) pulleys Weston differential pulley Wheel and axle Weight hangers and weights 	
20	Helium-Neon Laser Kit	<ul style="list-style-type: none"> 2 milliwatt Laser, Mountable on optical bench, within built power supply workable on 220V AC. 50 Hz. Design for continues working, highly rugged mechanical setup. Up-Down motion for beam. 	
21	Kit of Measurement of Inductance & Capacitance by AC Bridges	<ul style="list-style-type: none"> Parameters to be measured: 1 Resistance 2.Capacitance 3.Inductance Type of Bridge: Maxwell Bridge Inductance Excitation Signal: AC- 1KHzSine wave Detector: AC Amplifier and headphone 	
22	Kit of find the ration of inductance value of a coil having air core& iron core	<ul style="list-style-type: none"> Parameter to be measured inductance of coil. 	
23	Thermometer	<ul style="list-style-type: none"> Glass thermometer range from 0 to 100 °c 	
24	Voltmeter(0-10 volt)range	<ul style="list-style-type: none"> Range from 0-10 volt 	
25	Voltmeter(0-15 Volt) range	<ul style="list-style-type: none"> Range from 0-15 volt 	
26	Voltmeter(0-25 Volt) range	<ul style="list-style-type: none"> Range from 0-25 volt 	
27	Ammeter(0-10μA) range	<ul style="list-style-type: none"> Range from 0-10 micro Ampere 	
28	Ammeter(0-15mA) range	<ul style="list-style-type: none"> Range from 0-15 milli. Ampere 	
29	Ammeter(0-25mA)	<ul style="list-style-type: none"> Range from 0-25 milli Ampere 	

DECLARATION BY THE BIDDER

(Must be on letter head of agency duly stamped and signed)

I/We _____ hereby state that we have gone through and understood the Tender Document of tender enquiry floated by IMU – Navi Mumbai Campus for supply and installation of Lab equipments. Our Bid has been prepared accordingly in compliance with the requirement stipulated in the said document.

We are submitting a copy of Tender Document marked “Original” as part of our Bid, duly signed and stamped on each page in token of our acceptance of all terms and conditions.

I/we further state that content of tender document including all technical specifications, scope of work, terms and conditions of tender have been carefully read and understood by me/us.

I/We state that there are sufficient authorized service and maintenance network with sufficient infrastructure and skilled workforce in Mumbai/Navi Mumbai area for providing best and prompt service support as and when required. Address and contact numbers of such authorized workshops has been enclosed.

I/Wedeclare on solemn affirmation that whatever information submitted in this tender is true and correct to the best of my/ our knowledge and belief. I/we hereby certify that my / our firm has never been disqualified/ blacklisted by any office /Department / undertaking of the state / central Govt. of India at any time for unsatisfactory supply of stores/ services of any description.

(Signature of Bidder with seal of the firm)

Date:

Place:

ANNEXURE-III

CHECK LIST

Name of Dealer with Address:

Sl. No.	Documents to be checked	Yes/ No/ NA	Page No. of submitted tender	Remarks, if any
1.	Duly filled compliance sheet meeting all the specifications			
2.	Tender document Duly filled, serially numbered, stamped and signed on each page			
3.	Authorisation certificate from OEM			
4.	Details of OEM authorized Servicing Workshops in Mumbai/Navi Mumbai			
5.	Copy of GST Registration certificate and PAN Card of agency/ proprietor			
6.	Complete details of Dealer's bank account of agency for online transfer of payment in the prescribed MANDATE FORM.			

Date:

Bidder's Signature with seal

ANNEXURE-IV**GENERAL INFORMATION ABOUT THE BIDDER**

Sl.No.	Description	Details
1.	Name of the Agency	
2.	Postal Address	
3.	Telephone Number (Landline/Mobile)	
4.	E-mail address & URL	
5.	Name and designation of the representative of the Bidder to whom all reference shall be made to expedite technical co-ordination	
6.	Has the company/firm to pay arrear of income tax? if yes, up to what amount	
7.	Has any Govt. Dept./Undertaking ever debarred the company/firm from supplying stores or services of any description?	
8.	Any other Information	
9.	Address and Contact Numbers of authorized Service Stations in Navi Mumbai.	
10.	Details of Bank Account of Agency (for online transfer of payment) in the prescribed MANDATE FORM.	

Date:

Tenderer's Signature with seal

**TENDER FOR SUPPLY AND INSTALLATION OF LAB EQUIPMENT
AT INDIAN MARITIME UNIVERSITY- NAVI MUMBAI CAMPUS**



TENDER No: IMU/Lab./2020/0010

Issue Date: 03.02.2020

PRICE BID

Sr. No.	Name of the Equipment	No of Quantity Requirement	Rate per Item	Total Amount*
1.	kit of Radar Trainer	02		
2.	Characteristics of Photoelectric cell	05		
3.	Kit of Hartley Oscillator	05		
4.	Kit of Colpitt Oscillator	05		
5.	Kit of Verification of Kirchoff's Voltage Law	05		
6.	Kit of Verification of Kirchoff's Current Law	05		
7.	Kit of Study of filters(Low pass, High Pass, Band pass, Band Stop)	05		
8.	Kit for Study of R-L-C series resonance circuit	05		
9.	Study of R-L-C parallel resonance circuit	05		
10.	Kit of class -A and Class-B push pull amplifier, frequency response	05		
11.	DC Regulated power supply units Lab	05		
12.	Digital Stop Watch	05		
13.	Kit of Stefan's Law Verification	02		

14.	Kit of Thermistor as temperature sensor	03		
15.	Weston Differential Pulley	05		
16.	Audio Function Generator	03		
17.	Kit for Velocity of Sound in Air	03		
18.	Helium-Neon Laser	02		
19.	Kit for Study of Venturimeter	03		
20.	Kit for The ratio of inductance value of a coil having air core and iron core	05		
21.	Kit of Measurement of Inductance and capacitance by AC Bridges	05		
22.	Verification of Superposition Theorem	05		
23.	Thermometer	05		
24.	Voltmeter(0-10Volt) range	05		
25.	Voltmeter(0-15 Volt) range	05		
26.	Voltmeter(0-25Volt)range	05		
27.	Ammeter (0-10 μ A)range	05		
28.	Ammeter(0-15mA)range	05		
29.	Ammeter(0-25mA)range	05		

Strike out the box where the firm has not quoted

*The rates quoted above should be only the unit price (*i.e. inclusive of basic price, packing, transportation and any other charges*) and **exclusive** of applicable GST and any cess on GST. L1 bidder will be decided on the basis of unit price only.

Signature _____

Name _____

Place:

Date:

Official Seal

MANDATE FORM
(Account/s Information form)

REAL TIME GROSS SETTLEMENT (RTGS)/ NATIONAL ELECTRONIC TRANSFER (NEFT) / INTRA BANK ACCOUNT TRANSFER FACILITY FOR RECEIVING PAYMENTS FROM IMU.

A. DETAILS OF ACCOUNT HOLDER:

NAME OF ACCOUNT HOLDERER / FIRM

COMPLETE CONTACT ADDRESS

MOBILE NUMBER / PH NO

E.MAIL:

PAN :

B, BANK ACCOUNT DETAILS:

ACCOUNT NAME (Name appearing in your Cheque Book)

BRANCH NAME WITH COMPLETE ADDRESS,

TELEPHONE NO

BRANCH CODE

Note: Please attach a Cancelled Cheque along with the account information form.

COMPLETE BANK ACCOUNT NUMBER (Please note that the Bank Account must be in the name of the Firm as appeared in the bill. In case of other Beneficiaries (Non-vendor) the Account name must be in the name of Applicant)

IFSC CODE

TYPE OF ACCOUNT (SB/CURRENT/CASH CREDIT)

MICR CODE OF BANK

I hereby declare that the particulars given above are correct and complete. If the transaction is delayed or not effected at all for reasons of incomplete or incorrect information I would not hold the IMU responsible.

(.....)

Signature of Beneficiary

Date:

Mandatory for Vendors/suppliers/Contractors etc., Payment:

Certified that the particulars furnished above are correct as per our records.

(Bank's Stamp with Date & Place)

(.....)

Signature of Bank Manager