



Derozio Memorial College

Rajarhat Road, P.O.- R. Gopalpur
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Notice Inviting Tender(NIT)

Tender Ref. No: DMC/RUSA/18-19/001

Date:16/Mar/19

The Principal, Derozio Memorial College, Rajarhat Road, P.O.- R. Gopalpur Kolkata 700136 , West Bengal, India, invites e-tender from Foreign OEM/ OEM Partners/Direct Importer/Indian manufacturers towards purchase of different laboratory items under RUSA fund. Submission of Bid is only through online e-Tender Portal- <http://wbtenders.gov.in>. The details of this NIT document are described in the NIT details section below.

Name of the Work: Procurement of various laboratory items

NIT Details:

1. The intending bidder will have to download the bid document from <http://wbtenders.gov.in>.
2. The bidding process will be a 2-bid system (Technical and Financial). The college authority will consider financial bid only for technically qualified bidders. The technical evaluation will be done by "Technical Evaluation Committee(TEC)" formed by the college authority and the decision of the TEC will be regarded as absolute and final.
3. The bidder needs to submit both **Technical Bid** (Statutory & Non-Statutory) and **Financial Bid** concurrently online through <http://wbtenders.gov.in> portal and the hard copy of the submitted technical bid documents (duly signed & stamped by the signatory) is requested to be submitted(for our faster technical evaluation activities) in a sealed cover envelope with in 48 hrs of the date & time of the closing date on all working days except (Saturday, Sunday and other Holidays) between 11 AM and 4 PM. The envelop should be addressed to "The Principal, Derozio Memorial College, Rajarhat Road, P.O.- R. Gopalpur, Kolkata 700136, West Bengal, India" with the super script "Tender for various laboratory items Vide e tender reference no: DMC/RUSA/18-19/001". Before submitting the online bid, the bidder should read and



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examine all the terms, conditions, instructions, checklist etc. contained in this NIT document. Failure to provide and/or comply with the required information, instructions etc. incorporated in this document may result in rejection of its bid.

4. Date and Time Schedule:

Sl. No.	Particulars	Date & Time
1.	Date of uploading of this N.I.T. & other Documents (online) (Publishing Date)	18-03-19
2.	Documents download start date (Online)	18-03-19 at 11.00 AM
3.	Documents download end date (Online)	30-03-19 at 5.00 PM
4.	Bid submission start date (On line)	18-03-19 at 11.00 AM
5.	Bid Submission closing date (On line)	01-04-19 at 6.00 PM
6.	Bid opening date for Technical Proposals (Online)	03-04-19 at 6.00 PM
7.	Date of uploading list for Technically Qualified Bidder(online).	To be decided later
8.	Date for opening of Financial Bid (Online)	To be decided later

5. Eligibility criteria for participation in the tender:

- i. The Bidder should be a Company registered under Company Act 1952 or Proprietorship Company or a Partnership Firm.
- ii. The bidder should have and submit necessary establishment related documents e.g. Trade License, GST Registration Certificate(as and where applicable), VAT Registration Certificate(as and where applicable), Service Tax Registration Certificate(as and where applicable), IEC Registration Certificate (as and where applicable), Pan Card, Certificate of Incorporation (as and where applicable) are to be accompanied with the Technical Bid Documents - For Partnership Firm, only Registered Partnership Deed along with Power of Attorney in favour of signatory of bid is to be submitted. In case of registered company, the company shall furnish Article of Association and Memorandum along with Power of attorney in favour of signatory of bid(as and where applicable).[\[Non-statutory documents\]](#)



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- iii. The minimum turnover for financial year (FY) 2015-16, FY 16-17 and FY 2017-18 should be Rs. 50 Lakh. The net profit should be positive in each financial year. **A Chartered Accountant's Certificate on turnover** achieved by bidder for each financial year as mentioned years and bidder's net profit during this period needs to be furnished.
- iv. For each bidding item, the bidders should have work experiences in supply of such item to college/research institute/University/Laboratory/Gov. Organization/PSU. Necessary documents should be furnished. **[Non-statutory documents]**
- v. The prospective bidders or any of their constituent partner shall neither have abandoned any work nor any of their contract have been rescinded during the last 2 (two) years. Such abandonment or rescission will be considered as disqualification towards eligibility. (A declaration in this respect through affidavit has to be furnished by the prospective bidders without which the Technical Bid shall be treated as non-responsive.) **[Non-statutory documents]**
- vi. The bidder needs to furnish Audit Report along with the **Audited Balance Sheet and Profit and Loss Account**, and all the documents along with schedules forming the part of Balance Sheet and Profit & Loss Account should be in favour of applicant. No other name along with applicant's name in such enclosure will be entertained. **[Non-statutory documents]**
- vii. The OEM/Manufacturer should have service center for the bidding item in Kolkata or near by area. **[Non-statutory documents]**
- viii. Each Annexure of this NIT document should be filled up by the bidder in the letter head of the bidder and duly signed and stamped by the statutory signatory. The bidder should furnish necessary documents as mentioned in respective annexure. For incomplete Annexure your bid will be cancelled.



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6. Tender cancelation:

The Tender Inviting Authority reserves the right to accept or reject any bid and to cancel the Bidding processes and reject all Bids at any time without showing any reason whatsoever prior to the award of contract without thereby incurring any liability to the affected bidder or bidders or any obligation to inform the affected bidder or bidders.

7. Terms and Conditions

- i. Consortium bid is not allowed. Single bidder cannot bid multiple times.
- ii. The price is to be quoted in Indian Rupees only inclusive of all taxes and levies, GST etc.
- iii. Bidder should NOT impose any condition regarding payment; delivery etc and such conditional bid will be liable to be rejected at any stage before placing the work order.
- iv. The product/items should be supplied with in stipulated time to be decided by the tender inviting authority(or may be decided based on mutual discussion) at the time of placing the work order.
- v. The bidder should supply the items, accessories, licenses, manuals to the authority at the desired location within it's premise to be decided by the by the tender inviting authority. The complete set of items should be installed by the trained engineer only and proper training should be provided to the respective personnel to be selected by the tender inviting authority with in stipulated time as decided by the tender inviting authority to the entire satisfaction and a satisfactory



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completion certificate needs to be taken by the vendor before claiming the payment.

- vi. **Penalty:** If the work (in connection with points no vi as mentioned above) is NOT completed within stipulated time frame (to be mentioned in the work order), there will be a penalty of 2% of the total work order value per 1 week of delay. More than 2 weeks delay may lead to cancellation of work order without any kind of refund/payment and vendor may be imposed 3% penalty of total work order with a blacklisting for 3 years.
- vii. **Warranty/Guaranty:** The Bidder shall have to supply the items onsite Comprehensive Maintenance for default warranty/guaranty period as mentioned in the item's box and/or bill, to be considered effective from the date of successful completion of the work/service/supplies to the entire satisfaction of the college authority. If any defect / damage/issue are found during the period as mentioned above, the bidder shall have to supply the same or better product (to the required specification) at his own cost. On failure to do so, penal action against the bidder will be imposed by the tender inviting authority as deem fit. **The bidders may quote their rates considering the above aspect.**
- viii. Escalation of Price on any ground and consequent cost overrun shall not be entertained under any circumstances. Rates should be quoted accordingly.
- ix. The intending Bidders shall clearly understand that whatever may be the outcome of the present invitation of bids, no cost of bidding shall be reimbursable by the tender inviting authority. The tender inviting authority reserves the right to accept or reject any offer without assigning any reason whatsoever and is not liable for any cost that might have been incurred by any bidder at the stage of bidding.
- x. Conditional / Incomplete tender will not be accepted under any circumstances.



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- xi. This tender is initially valid for 180 (one hundred and eighty) days which may be changed/extended as and when required as per the decision of the authority.
- xii. All the annexure must be properly filled with supporting documents as and where required and uploaded. For incomplete Annexure your bid will be cancelled.
- xiii. **Corrigendum:** This NIT document and its scope may be amended and a corrigendum for such cases will be uploaded to the portal(wbtenders.gov.in) only and there might not be any change in prescheduled dates. It is the responsibility of the bidder to get updated for any corrigendum for this tender.



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8. List of Items to procure:

Sl no	Item Code	ItemName	Specification	Quantity
1	Item1	Mini Horizontal Electrophoresis system	<ol style="list-style-type: none"> 1. A horizontal electrophoresis system should be able to run the gel size of 7 x 10cm & 7 X 7 cm, and 7 x 10 cm the gel tray should be supplied along with the Gel tank with safety lid. 2. The supplied gel trays should be UV proof and the trays can be directly kept on the UV Transilluminator and should have a integrated fluorescent ruler in the tray. The ruler should get illuminated on exposure to UV Light for easy and safe calculation of the band movements. 3. A system should include tape free gel casting module for leak free operations. 4. A system should include two 1.5mm combs, 8- & 15-well fixed height combs each. 5. A system should have the option for adjustable height combs with comb holders. 6. Migration rate of Bromophenol Blue dye should be similar to 4.5cm/hr(at 75 V). 7. A system should have a lid with the safety banana Jacks, which breaks the circuit when the lid is running. 8. Should be provided with a bubble leveler for even gel casting. 9. The gel caster should have 3 height adjustable screws for balancing the uneven platforms for uniform gel casting. 10. The electrodes should be color coded to remove the confusion of wrong orientation. 11. The Lid should have a safety option so that the lid cannot be closed in the wrong orientation. 12. The Lid should have a integrated cables to connect it to the power pack directly. 13. A system should be capable to run precast ready agarose gels and Hand Cast gels. 	1



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2	Item2	Basic power supply	<p>Programmable power supply should be capable to operate four electrophoresis units simultaneously for four identical runs with graphic LED display.</p> <p>The output range should be 10-300 V , 0.4-400 mA, 1-75 W .</p> <p>Constant voltage, current or Power with Automatic crossover</p> <p>Memory storage: 9 programs , 9 steps, Timer Control : 99 hr, 59 min</p> <p>Automatic Power up after Power failure, Safety features</p> <p>No-load detection; sudden load change detection</p>	1
3	Item3	Mini Vertical gel electrophoresis system	<p>High throughput- Capable of running up to 4 mini gel (8 X 7 Cm) simultaneously.</p> <p>Flexible- Capable of running hand cast as well as precast gel.</p> <p>Running and casting module should be different</p> <p>Interchangeable module- Should be capable of using blotting module to do western blotting.</p> <p>Leak proof, tape free and easy assembly. Patented Flap wing for leak proof assembly.</p> <p>Permanently bonded spacer plates for leak proof, without agarose sealing & taping casting of gels.</p> <p>Casting frame with simple cam closure mechanism that gives precision alignment on any flat surface.</p> <p>Side by side casting stands that allow access to both gels simultaneously.</p> <p>Patented colored sample loading guides to prevent the skipping or repeated loading lanes.</p> <p>Modular design can be used do western blotting by using the blotting module only. Should able to run gels in 15-20 mins. Should come with buffer dam.</p> <p>It Should be Supplied with 10% Stain free Fast Acrylamide Starter Kit</p>	1



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4	Item4	Trinocular Microscope	<p>Trinocular Research Microscope complete with in built 6V 20W halogen light illuminator, with anti - fungus achromatic objectives iNEA 4x, 10x, 40x, (spring) & 100x (oil, spring) paired eyepieces wide field iCWHK10x with an inclined trinocular observation tube complete set in thermocole packing.</p> <p>Complete with CMOS 5 Mega Pixel Camera with Tr Adapter</p>	1
5	Item5	COOLING CENTRIFUGE	<ul style="list-style-type: none"> * Stable speed output * High Speed * Wide variety of rotors & reduction adaptors * Precise temperature control up to -8°C * Pre-cooling feature * Fast spin feature * Calibration window on lid for speed [rpm] * Brushless Induction motor with frequency drive ensures gentle start * Microprocessor based unit with alpha numeric LCD display * Self-diagnosis of errors * Parameters setting through easy to use bi-directional encoder * Inverter fault detection with auto shutdown * CFC free refrigeration system* 24 programme memory * 3 Accelerations, 4 Deceleration profiles * Choice of rpm / rcf setting & display * Operating panel with feather touch keys * Digital countdown timer 0-99 minutes & continuous run * Last set parameters recall (Useful for repetitive analysis) * Automatic door opening * Log of cumulative centrifuge run time* Automatic rotor identification * Safety lid interlock to prevent lid opening during centrifugation * Imbalance detection & centrifugation stop with display of error * Motor overload protection * Gas hinge to prevent falling of door * Emergency lid lock release * Maximum Speed : 16000 rpm * Maximum RCF : 16600 'g' * Maximum tube size : 5 ml 	1



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			<ul style="list-style-type: none"> * Maximum Capacity : 40 ml * Minimum Temperature : -8°C * Dimensions WxDxH : 480 x 585 x 530 mm * Supply : 220-240 volts 50 Hz single Phase complete with rotor head 	
6	Item6	BACTERIOLOGICAL INCUBATOR SHAKER	<p>15"x15"x18" Inner being made of SS & outer of MS Sheet. Temp. range from ambient plus 5°C - 60°C, controlled by Microprocessor Based PID Controller, an accuracy of +/-0.5°C.</p> <p>1 No. Shaker constructed at the bottom of the working chamber with speed control, Shaking speed 30 - 250 RPM. Variac & Timer : 0-24 hrs Volt. 230V AC</p> <p>, Platform Size : 12"x12", Max Shaking Capacity : no. of Flask : 500 ml. x 2 nos. , 250 ml. x 5 Nos. , 1 no. tray Extra.</p>	1



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7	Item7	Micropipette(2-20ul)	Volume range: 2-20ul Features: Spring loaded tip cone: improved ergonomics Adjustment to specific volume Very low operating force, positioned for perfect ergonomics Volume display: 4 digits, magnifying shape Ultra light system made of Forton Quick connection clip: remove lower part easily, fully autoclaveable	1
8	Item8	Micropipette(20-200ul)	Volume range: 20-200ul Features: Spring loaded tip cone: improved ergonomics Adjustment to specific volume Very low operating force, positioned for perfect ergonomics Volume display: 4 digits, magnifying shape Ultra light system made of Forton Quick connection clip: remove lower part easily, fully autoclaveable	1
9	Item9	Micropipette	Volume range: 100-1000ul Features: Spring loaded tip cone: improved ergonomics Adjustment to specific volume Very low operating force, positioned for perfect ergonomics Volume display: 4 digits, magnifying shape Ultra light system made of Forton Quick connection clip: remove lower part easily, fully autoclaveable	1
10	Item10	Magnetic stirrer with hot plate	Maximum speed-1800 RPM, stirring capacity- 2 Litres, heating capacity- 300Watts, Stirring paddle- 8mm diameter X 35mm length, dimension- 160 X 165 X 130 mm (WxDxH), Weight- 2.9Kg, stepless speed control and stainless steel body and top.	4



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11	Item11	To design an Amplitude Modulator using Transistor	<p>1. Power supply requirement : 230V AC, 50 Hz. 2. Built in IC based power supply. 3. On Board AF Modulating signal generator - Sine wave Frequency Range : 300 Hz to 500 Khz Amplitude : 0 to 10 Vpp. 4. On Board RF carrier signal generator. Frequency Range : 200 KHz to 2 MHz. Amplitude : 0 to 15 Vpp. 5. Modulator Type : Balanced modulator by Transistor. 6. Demodulator Type : Envelope Detector (Diode detector). 7. All parts are soldered on single PCB with complete circuit diagram screen-printed. 8. Standard Accessories : 1. A Training Manual. 2. Connecting Patch cords.</p>	2
12	Item12	To study envelope detector for demodulation of AM signal	<p>1. Power supply requirement : 230V AC, 50 Hz. 2. Built in IC based power supply. 3. On Board AF Modulating signal generator - Sine wave Frequency Range : 300 Hz to 500 Khz Amplitude : 0 to 10 Vpp. 4. On Board RF carrier signal generator. Frequency Range : 200 KHz to 2 MHz. Amplitude : 0 to 15 Vpp. 5. Modulator Type : Balanced modulator. 6. Demodulator Type : Envelope Detector (Diode detector). 7. All parts are soldered on single PCB with complete circuit diagram screen-printed. 8. Standard Accessories : 1. A Training Manual. 9. Connecting Patch cords.</p>	2



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13	Item13	To study FM - Generator and Detector circuit	<ol style="list-style-type: none"> 1. Power supply requirement : 230V AC, 50 Hz. 2. Built in IC based power supply. 3. On Board AF Modulating signal generator - Sine wave Frequency Range : 300Hz to 500 KHz Amplitude : 0 to 10 Vpp. 4. On Board RF carrier signal generator (VCO) - Two No. Frequency Range : 50 KHz to 2MHz. 5. On Board variable DC power supply to see the effect of DC on the output waveform 6. On Board Input Audio amplifier with Volume control for modulating external signal from Mike or Tape Recorder. 7. On Board Output Audio amplifier with speaker & Volume Control. 	2
14	Item14	To study AM Transmitter and Receiver	<ol style="list-style-type: none"> 1. Power supply requirement : 230V AC, 50 Hz. 2. Built in IC based power supply. 3. On Board AF Modulating signal generator - Sine wave Frequency Range : 300Hz to 500 KHz Amplitude : 0 to 10 Vpp. 4. On Board RF carrier signal generator (VCO) - Two No. Frequency Range : 50 KHz to 2MHz. 5. On Board variable DC power supply to see the effect of DC on the output waveform 6. On Board Input Audio amplifier with Volume control for modulating external signal from Mike or Tape Recorder. 7. On Board Output Audio amplifier with speaker & Volume Control. 8. Modulator Type : VCO (Voltage controlled oscillator) type. - 2 Nos 9. Demodulator Type : Ratio detector. Foster-Seeley detector. Phase lock loop (PLL) detector. 10. All parts are soldered on single pin TAGS on single PCB of size 14" x 11" with complete circuit diagram Screen-printed in multi colour. 11. Standard Accessories : 1. A Training Manual 	2



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			12. Connecting Patch cords	
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15	Item15	To study FM Transmitter and Receiver	<ol style="list-style-type: none"> 1. Power supply requirement : 230V AC, 50 Hz. 2. Built in IC based power supply. 3. On Board AF Modulating signal generator - Sine wave Frequency Range : 300Hz to 500 KHz Amplitude : 0 to 10 Vpp. 4. On Board RF carrier signal generator. Frequency Range : 200 KHz to 2 MHz. Amplitude : 0 to 10 Vpp. 5. On Board variable DC power supply to see the effect of DC on the Output waveform : 5 to + 5 VDC 6. On Board Input Audio amplifier with Volume control for modulating external signal from Mike or Tape recorder. 7. On Board Output Audio amplifier with speaker & Volume Control. 8. On Board Band Pass Filter (452-458 KHz). 9. Modulator Type : Balanced modulator. 10. Demodulator Type : Envelope Detector (Diode detector), Product detector, Square Law demodulator. 11. All parts are soldered on single pin TAGS on single PCB of size 14" x11" with complete circuit diagram screen printed. 12. Standard Accessories : A Training Manual, Connecting Patch cords. 	2
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16	Item16	To study Time Division Multiplexing (TDM)	<ol style="list-style-type: none"> 1. Power supply requirement : 230V AC, 50 Hz. 2. Built in IC based power supply. 3. On Board three Input signals generators. <ol style="list-style-type: none"> 1. Sine wave : Frequency 250 Hz.- 2 Vpp 2. Triangular wave : Frequency 500Hz. - 1 Vpp 3. Square wave : Frequency 1Khz - 1.5 Vpp. 4. On Board Sampling Pulse signal generator. Frequency Range : 2 KHz to 32 KHz. 5. On Board Input Audio amplifier with Volume control for modulating external signal from Mike or Tape recorder. 6. On Board Output Audio amplifier with speaker & Volume Control. 7. Modulator Sections : Multiplexer 8. Demodulator Sections : Demultiplexer & Low Pass Filter 9. All parts are soldered on single pin TAGS on single PCB of size 15" x 12" with complete circuit diagram Screen-printed. 10. Standard Accessories : 1. A Training Manual. 11. Connecting Patch cords 	1
17	Item17	To study Pulse Amplitude Modulation (PAM)	<ol style="list-style-type: none"> 1. Power supply requirement : 230V AC, 50 Hz. 2. Built in IC based power supply : +15V, -15V, +5V. 3. On Board AF Modulating signal generator - Sine wave Frequency Range : 300 Hz to 150 KHz Amplitude : 0 to 10 Vpp. 4. On Board Sampling Pulse signal generator. Frequency Range : 2 KHz to 1MHz. 5. Types of Modulation processes : PAM, PWM, PPM. 6. Demodulator Sections : Comparator, Low Pass Filter-2nd order- 3.4KHz 7. Standard Accessories : 1. Experimental and Circuit Description Manual. 8. Connecting Patch cords. (10 Nos.) 	2



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18	Item18	To study Pulse Width Modulation (PWM)	<p>1. Power supply requirement : 230V AC, 50 Hz.</p> <p>2. Built in IC based power supply : +15V, -15V, +5V.</p> <p>3. On Board AF Modulating signal generator - Sine wave Frequency Range : 300 Hz to 150 KHz Amplitude : 0 to 10 Vpp.</p> <p>4. On Board Sampling Pulse signal generator. Frequency Range : 2 KHz to 1MHz.</p> <p>5. Types of Modulation processes : PAM, PWM, PPM.</p> <p>6. Demodulator Sections : Comparator, Low Pass Filter-2nd order- 3.4KHz</p> <p>7. Standard Accessories : 1. Experimental and Circuit Description Manual.</p> <p>8. Connecting Patch cords. (10 Nos.)</p>	2
19	Item19	R-C Couple/ Single Stage CE Amplifier Trainer	<p>DC source:0-15V/1A. & 0-4V/500mA two Variable DC power supply with properly short circuit & overload protection by relay.</p> <p>Function Generator: 0.1Hz-500KHz Function Generator with 4½ digit Digital Frequency counter.</p> <p>Amplitude:0-15V/P-P Wave:Sine, Square, Triangle wave.</p> <p>In-built Digital meters:Digital voltmeter (Dual range-2V/20V)-1nos</p> <p style="text-align: center;">Digital</p> <p>Ammeter(200µA/200mA)-2nos All Digital meter Accuracy-≤1%, Dual range, 3½ Digit 7 segment (Green display)</p> <p>On-board Circuits: Circuit fabrication for Transistor CE amplifier PNP or NPN Transistor.</p> <p>Bread board: Bread Board (Optional)</p> <p>Set of 2mm Patch cords for interconnections</p>	2



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20	Item20	Network Theorems Trainer	<p>DC Supply:0- 15V/1A variable & 5V /1A (Fixed) D.C 2nos power supply with short circuit & overload Protection by relay. In-built digital meters:Digital voltmeter (20V/200V)-1nos</p> <p>Digitalmilliammeter(20mA/200mA)-1nos All Meters Accuracy- $\leq 1\%$, $3\frac{1}{2}$ Digit 7 segment On-board Circuits: Circuit fabrication for Network theorems. Load resistance : Variable load resistance- 3Watt. Experiments: Thevenin Theorems. Norton Theorems. Superposition Theorems. Maximum power Transfer Theorems. Set of 2mm Patch cords for interconnections:Set of 2mm Patch cords for interconnections</p>	4
21	Item21	Digital Multimeter	<p>The meter is a high performance, high accuracy, 3 3/4-digit, 32mm digit high by LCD displaying meter. The function includes DCV, ACV, DCA, ACA, resistance capacitance, frequency, temperature,duty cycle measurement, triode, diode and continuity test. Also with the function of unit signal displaying ,relative value measuring ,auto range/ manual range switch ,auto power off and warning function etc.</p>	1



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22	Item22	Microcontroller Trainer-8051 with Interface	<p>CPU : 8031 / 8051 operating at 11.0592 MHz CPU 8031 / 8051 operating at 11.0592 MHz MEMORY 128KB MAX memory (64KB RAM and 64KB EPROM of which 4KB of Data Memory is used for On card and Off card I/O) I/O Parallel 48 I/O lines using two 8255 I/O SERIAL One RS232 compatible interface RAM RAM1- 32KB Data Memory RAM2- 32KB Program / Data memory TIMER Three 16 bit counter /timer using 8253 KEYBOARD Consisting of 28 numbers of computer grade keys DISPLAY Six numbers of seven segment displays BUS SIGNALS All bus signals are terminated in a bread board. Controller specific lines like port 1 lines TO T1, INTO, INT1, etc. are terminated in a bread board header Options Battery backup option for RAM 128 Bytes of Internal Data Memory Elegant ABC Plastic BOX On Board D Type Power Connector Provision of 13 Jumper for setting Different Configuration With Interface Stepper Motor, Traffic light simulation, Key Board display, ADC DAC interface with power supply I/O PARALLEL 48 I/O lines using two 8255 I/O SERIAL RAM One RS232 compatible interface RAM1- 32KB Data Memory RAM2- 32KB Program / Data memory</p>	3
23	Item23	Oscilloscope - 30MHz (Dual trace)	<p>With digital frequency counter Vertical sensitivity - 1mV/div. to 5V/div. Horizontal sensitivity - 0.2uS to 0.5S/div in 20 steps in 1-2- 5 sequence</p>	1
24	Item24	Digital Storage Oscilloscope (DSO)- 100MHz (2 Channel)	<p>Sampling rate- 1.5GS/s Memory-1M Sampling Rate - real time 2GS/s max. Equivalent Sample Rate 25GS/s max. Display - 5.7" TFT Color LCD Display Vertical sensitivity - 2mV – 10V/divn. Horizontal sensitivity - 1nS/divn - 50S/divn.</p>	1



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25	Item25	Function Generator-2MHz	2MHz Function Generator (1Ω-1M Ω) Reference output Frequency 2MHz Amplitude ≥ +4 dBm, (nom) into 50 Ω load External reference input Input frequency standard 10 MHz Input frequency Option 1ER 1 to 50 MHz (in multiples of 0.1 Hz) Lock range ± 1 ppm (nom) Amplitude 5 dBm ± 2 dB (nom) 3 Impedance 50 Ω (nom)Waveform Sine or square Stability Follows the stability of external reference input signal	2
26	Item26	Digital Micro ammeter	200 uA	2
27	Item27	Digital Milliammeter	200mA	4
28	Item28	Digital Volt Meter	20V	6
29	Item29	Digital Camera with Kit Lens	Image Sensor : 22.3mm x 14.9 mm CMOS Effective Pixels : Approx. 24.20 megapixels Total Pixels : Approx. 25.80 megapixels Aspect Ratio : 3:2 Sensor Cleaning : EOS integrated cleaning system Image Processor :DIGIC 7 Auto Focus Point : 9 ISO Performance : Max ISO 25,600 Lens Mount : EF/EF-S EOS Movie Full HD 60fps Image Stabilisation Optical Image Stabilizer on compatible lens	1
30	Item30	50mm Prime Lens f/1.4	To be installed in existing Canon Mark IV Camera (100% compatible device should be supplied) EF-Mount Lens/Full-Frame Format Aperture Range: f/1.4 to f/22 One Aspherical Element Two High Refractive Index Elements Super Spectra Coating Micro Ultrasonic Motor AF System Rounded 8-Blade Diaphragm	1



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31	Item31	External High Speed Flash with Trigger	Flash: Fully Support TTL Function Wareless X System offers all-in-one functions and 100 mts further transmission distance Master and Slave Flash Trigger: Built in 2.4G wireless transmission provides 100 mts transmission distance Fully SupportingTTL Wireless Remote Control and Grouping System with GR group flash and Wireless Grouping System (max. 5 group & 32 channels)	1
32	Item32	Entry Level Digital Camera with Dual Kit Lens(18 Megapixel)	Image Sensor : 22.3mm x 14.9 mm CMOS Total Pixels : Approx. 18 megapixels Resolution 5202 x 3465 Aspect Ratio : 3:2 Sensor Cleaning : EOS integrated cleaning system Image Processor :DIGIC 4 Auto Focus Point : 9 ISO Performance : Max ISO 12800 Lens Mount : EF/EF-S EOS Movie Full HD Image Stabilisation Optical Image Stabilizer on compatible lens Scene Intelligent Auto Continuous 3 frame per Second	1
33	Item33	Entry Level Digital Camera with Dual Kit Lens(24.1 Megapixel)	Image Sensor : 22.3mm x 14.9 mm APS-C CMOS Total Pixels : Approx. 24.1 megapixels Aspect Ratio : 3:2 Sensor Cleaning : EOS integrated cleaning system Image Processor :DIGIC 4 Auto Focus Point : 9 ISO Performance : Max ISO 12800 Lens Mount : EF/EF-S EOS Movie Full HD Image Stabilisation Optical Image Stabilizer on compatible lens Scene Intelligent Auto Continuous 3 frame per Second	1



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34	Item34	Mirror less DSLR Cameras with single Kit Lens	<p>Megapixels 24.1 Total Pixels 25.8 Megapixels Sensor Size 22.3 x 14.9mm Pixel Dimensions 6000 x 4000 Pixel Size 3.71µm Diffraction-Limited Aperture f/6.0 Aspect Ratio 3:2 Lens Mount EF-M (EF, EF-S, TS-E, MP-E lenses compatible via Mount adapter EF-EOS M) Image Processor DIGIC 8 Viewfinder : Type 0.39-type OLED Electronic Viewfinder Approx. 2,360,000 dots Coverage Approx. 100% Magnification Approx. Compatible Lenses EF-M (EF and EF-S lenses compatible via Mount adapter EF-EOS M)</p>	1
35	Item35	DSLR Cameras with Single Kit Lens	<p>IMAGE SENSOR Type CMOS Effective Pixels 22.3mm x 14.9 mm Total Pixels Approx. 24.20 megapixels Approx. 25.80 megapixel Aspect Ratio 3:2 Sensor Cleaning EOS integrated cleaning system IMAGE PROCESSOR Type DIGIC 6 LENS Mount EF/EF-S FOCUSING Type: TTL-CT-SIR with a CMOS sensor AF System/ Points : 45 cross-type AF points (45 f/5.6 cross-type AF points, 27 f/8 points [9 cross-type], centre point is f/2.8 and f/5.6 dual cross-type) ISO Sensitivity: Auto (100-16000), 100-16000 (in 1/3-stop or whole stop increments) ISO can be expanded to H: 25600 During Movie shooting: Auto (100-12800), 100-12800 (in 1/3-stop or whole stop increments) ISO can be expanded to H: 25,600</p>	1
36	Item36	Atomos Ninja 2 compatible SSD	<p>1. Compatibility: 100% Compatible with existing Atomos Ninja 2 2.Storage Capacity : 2TB 3.Type: SSD 4.External or Internal Type: External 5. Size: 2.5 inch</p>	1



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37	Item37	Ninja-2, Canon Mark IV And Nikon D750 compatible HDMI cable	one end having a common 13.9 mm type A plug for connection to existing Ninja-2 and the other end having a plug suitable for existing Canon Mark IV And existing Nikon D750 (100% compatible device shouldbe supplied)	2
38	Item38	SONY PXW320 Camera complatible Memory Card with Adapter	1. Compatibility: 100% Compatible with existing SONY PXW320 Camera 2.Storage Capacity: 64GB SxS-1 G1C Series Memory Card (2-Packs) 3. Adapter	1
39	Item39	Slider	(The Slider uses a unique tracking mechanism that allows the rails of the slider to move with the camera when mounted on a tripod.) 22 lb Load Capacity 18.4" Travel Distance 23.6" Total Track Length Steel Ball Bearings & Polymer Wheels Adjustable Friction System 3/8"-16 and 1/4"-20 Mounting Threads 3/8"-16 Tie-Down Screw Bubble Level	1
40	Item40	Talkback Unit (Minimum 6 output)	Voice range amplifier suitable to drive Headset with Mic. upto 10 Nos. for Studio Communications 6.3 mm Stereo Socket for Mic./Duplex Headset. Output Individual Volume Control for Headset (10 Nos.). Input Gain Control for Microphone & Auxiliary Sensitivity. Power Supply: AC 220v 50 Hz. Additional external earphone and microphone interface. Selectable channel talk, broadcast to all or mute. Supplied complete with Gooseneck Microphone and Light	1



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41	Item41	<p>Solid-state P2 portable Recorder with AVC-Intra recording</p>	<p>Capable of 1080/23.98p native recording and supports 1080/24PsF input/output Supports variable frame rate recordings of camcorders Supports up-/down-conversion between HD and SD as well as cross conversion between 720 and 1080 during playback Equipped with a RS-422A remote terminal (9-pin) to serve as an externally controllable 2D/3D player Playback function previews P2 files from an external storage device USB 2.0 (DEVICE): Uploads files to a PC or nonlinear editor USB 3.0 (HOST): Transfers files to an external storage (USB 3.0 compatible) at about four times AVC-Intra 100 normal speed HDMI (3D-compatible) output, HD/SD SDI input/output, video monitor output, audio monitor output, headphone output, REF input, TC input/output and XLR analog audio input Advanced recording functions include continuous recording, hot-swap REC, loop REC and VANC recording Standard 3.45 inch LCD monitor allows users to view playback and check thumbnails of video clips in addition to display Waveform or Vectorscope readings Six user buttons for pre-setting of the deck's key functions A USB keyboard (USB 2.0) can also be connected Built-in front speaker for audio monitoring Battery operation boosts convenience (with a 5400 mAh battery pack) AC power can be supplied via the AC adaptor (included) Recording Media: P2 card Recording Formats: AVC-Intra 100/AVC-Intra 50/DVCPRO HD/DVCPRO50/DVCPRO/DV (selectable) Video Recording Signals: 1080/59.94i, 1080/50i, 1080/23.98p, 1080/24p, 720/59.94p, 720/50p, 480/59.94i, 576/50i Audio Recording Signals: AVC-Intra 100/50: 48 kHz, 16 bits, 8 channels/24 bits, 4 channels (selectable) DVCPRO HD: 48 kHz, 16 bits, 8 channels</p>	1
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DVCPRO50: 48 kHz, 16 bits, 4 channels
DVCPRO/DV: 48 kHz, 16 bits, 2/4 channels
selectable
VIDEO (DIGITAL VIDEO):
Sampling Frequencies: AVC-Intra 100/DVCPRO
HD (59.94 Hz):Y: 74.1758 MHz, PB/PR:
37.0879 MHz
AVC-Intra 100/DVCPRO HD (50 Hz):Y: 74.2500
MHz, PB/PR: 37.1250 MHz
DVCPRO50: Y: 13.5 MHz, PB/PR: 6.75 MHz
DVCPRO: Y: 13.5 MHz, PB/PR: 3.375 MHz
Video Compression Methods: AVC-Intra
100/50: MPEG-4 AVC/H.264 Intra Profile
DVCPRO HD: DV-based Compression (SMPTE
370M)
DVCPRO50/DVCPRO: DV-based Compression
(SMPTE 314M)
DV: DV Compression (IEC61834-2)
Color Sampling: AVC-Intra 100: Y: PB:PR =
4:2:2
Resolution: AVC-Intra 100: 1920 × 1080
(1080/59.94i, 1080/50i) 1280 × 720
(720/59.94p, 720/50p)
AVC-Intra 50: 1440 × 1080 (1080/59.94i,
1080/50i) 960 × 720 (720/59.94p, 720/50p)
Video Quantization: AVC-Intra 100/AVC-Intra
50: 10 bits
DVCPRO HD/DVCPRO50/DVCPRO/DV: 8 bits
AUDIO (DIGITAL AUDIO):
Sampling Frequency: 48 kHz (synchronized
with video)
Audio Quantization: 16 bits (DVCPRO
HD/DVCPRO50/DVCPRO/DV)
16/24 bits selectable (AVC-Intra 100/AVC-
Intra 50)
Headroom: 12/18/20 dB (selectable)
De-emphasis: T1=50 μs, T2=15 μs (auto
on/off)
Video Input:
Reference Input: BNC × 1, Auto switching of
black burst / HD tri-level sync
SDI Input: BNC × 1
Video Output: BNC × 1, SD Analog Composite
SDI Output: BNC × 1, HD SDI/SD SDI
switchable
HDMI Output: HDMI × 1 (HDMI type A), 3D
supported (VIERA link not supported)



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			<p>-When 59.94 Hz of system frequency 1080/59.94i Frame Packing / Side-by-Side selectable (3D only), 720/59.94p Frame Packing / Side-by-Side selectable (3D only), 1080/59.94i, 720/59.94p, 480/59.94p</p> <p>-When 50 Hz of system frequency 1080/50i Frame Packing / Side-by-Side selectable (3D only), 720/50p Frame Packing / Side-by-Side selectable (3D only), 1080/50i, 720/50p, 576/50p</p> <p>-When 23.98 Hz of system frequency 1080/23.98p Frame Packing / Side-by-Side selectable (3D only), 1080/23.98p</p> <p>-When 24 Hz of system frequency 1080/24p Frame Packing / Side-by-Side selectable (3D only), 1080/24p</p> <p>Audio Input: Analog Inputs: XLR × 2 (CH1, CH2) SDI Input: BNC × 1</p> <p>Audio Output: SDI Output: BNC × 1</p> <p>Monitor Outputs: Pin jacks × 2, -10 dBV, 600 Ω</p> <p>Headphone Output: Stereo mini jack (3.5 mm dia.), 8 Ω, variable level</p> <p>HDMI Output: 2 channels (linear PCM) Internal Speaker: Round × 1 (monaur)</p> <p>Other Input/Output: Time Code Input: BNC × 1, 0.5 V[p-p] to 8.0 V[p-p], 10 kΩ</p> <p>Time Code Output: BNC × 1, low impedance, 2.0 V ±0.5 V[p-p] RS-422A</p>	
42	Item42	SDI to HDMI Converter (for Video Data Transfer)	<p>SDI to HDMI Conversion</p> <p>Outputs Embedded HDMI Audio</p> <p>Balanced AES/EBU or Analog Audio</p> <p>Hardware Interface: HDMI</p> <p>Power Source USB port</p> <p>With USB connector</p>	1



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43	Item43	Carey Foster Bridge Set Up	<p>A complete setup with all accessories: Commensurate with the experiment.</p> <ol style="list-style-type: none"> 1.Carey Foster's Bridge, 2. two resistance boxes(0-10000 ohms), 3.A thick copper strip, 4.fractional resistance box(1-10) ohms 5. low voltage power supply-(5)volts 6.two way key 7.Rheostat (100ohm,2 Amps) 8.galvanometer(Null detector) 9.unknown low resistances (2 and 5) Ohms etc 	1
44	Item44	Thomson's method set up	<p>A complete setup with all accessories Commensurate with the experiment.</p> <ol style="list-style-type: none"> 1. P.O. Box(manganise wire) 2.Table galvanometer(whose resistance is to be measured)- BCS 120 rectangular scale 3.regulated power supply (0-6)volts etc 	1
45	Item45	Coupled oscillators setup	<p>A complete setup with all accessories Commensurate with the experiment</p> <ol style="list-style-type: none"> 1.Complete Coupled oscillator set 2.Two pendulam hanging with a metal rod attached pandulums with string etc 	1
46	Item46	Harmonic oscillator set up	<p>A complete setup with all accessories Commensurate with the experiment.</p> <ol style="list-style-type: none"> 1.Function generator(3 Mhz) 2.capacitor 3.Resistance 4.bread board 5.inductance(20 Mili henry) etc 	1



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47	Item47	Platinum Resistance Thermometer setup	<p>A complete setup with all accessories Commensurate with the experiment.</p> <ol style="list-style-type: none"> 1.platinum resistance thermomete 2.Carey Foster's Bridge, 3. two resistance boxes(0-10000) ohms 4.a thick copper strip, 5.fractional resistance box(0-10) ohms 6. low voltage power supply (5 volts) 7.Two way key, 8.Rheostat (100ohm,2 Amps) 9.galvanometer (ballistic) 10.lamp and scale arrangement 11.unknown low resistance 12.boiling flux heating mantel 11. water bath thermometer <p>etc</p>	1
48	Item48	Thermocouple Op AMP setup	<p>A complete setup with all accessories Commensurate with the experiment.</p> <ol style="list-style-type: none"> 1.Potentio meter (10 wire) 20 ohms 2.Thermocouple 3.Heat junction - heater, bekar thermometr (0- 110)c 4.Cold junction- funnel , stand, ring , Thermometer(0-110) deg Centrigrade 5.Balistic galvano meter 6.lamp and scale arrangement 7.Power supply -4 volts <p>etc</p>	1
49	Item49	Diode Sensor Setup	<p>A complete setup with all accessories Commensurate with the experiment.</p> <ol style="list-style-type: none"> 1.R.T.D diode sensor 2. HEATING CHEMBER UPTO 100 DEGREE 3.thermometer (0-110) C <p>etc</p>	1



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50	Item50	Thermal Conductivity Searle's Apparatus setup	A complete setup with all accessories Commensurate with the experiment. 1.Thermometer 4 pieces (0-110) Deg. Centrigrade 2. Constant water level tunk 3.Inled- out led chamber 4.Cu Rod (25 mm diameter) with glass wool 5. Cu boiler heater etc	1
51	Item51	Wavelength of H-alpha emission measurment set up	A complete setup with all accessories Commensurate with the experiment. 1.Spectrometer 2.Hydrogen discharge tube 3.Supply 35000 volts 4.Sodium veper lamp 35 watts 5.Trasformer 35 watts 6.lamp house etc	1
52	Item52	e/m by Bar magnet. Measurement setup	A complete setup with all accessories Commensurate with the experiment. 1.a cathode ray tube 2.wooden frames with scales 3.a pair of bar magnets 4.power supply -300 volt 5.High impedance voltmeter 6.Magnetometer 7. compass box,needle etc	1
53	Item53	work function of material set up	A complete setup with all accessories Commensurate with the experiment. 1.Vacuum thirotan valve with dual supply 2.Filament 8 volts, 3.anode supply 300 volts 3.voltmert -2 (200 vols, 20 volts) 4.current meter 2 (200 mili amps , 20 milli) 5. pin octal base etc	1



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54	Item54	Tunnel diode set up	A complete setup with all accessories Commensurate with the experiment. 1. Dual supply 2 volts each 2. Mili voltmeter (Mili range Volt)(2 volts) 3.Tunnel diode 3717 fitted on bord etc	1
55	Item55	Planck's constant setup	A complete setup with all accessories Commensurate with the experiment. 1.work function material of vacuum photocell 2.galvanometer -ballistic 3.potentiometer 10 wire resistance approx 20 ohms 4.lamp 5.resistance box,key, 6.storage cell etc	1
56	Item56	Photo-electric effect setup	A complete setup with all accessories Commensurate with the experiment. 1. filters:5 (different wave Length) 2. photo sensitive device 3.light source 4.Regulated voltage power source:10 volts 5.Digital nano meter etc	1
57	Item57	Planck's constant set up	A complete setup with all accessories Commensurate with the experiment. 1. waven measure upto 338 kelvin 2.Constant power source: 2 volts 3. 4 colour LED 4. current meter (0- 2 mili Amps) etc	1
58	Item58	Solar Cells setup	A complete setup with all accessories Commensurate with the experiment. 1.Panel mounted Soler cell 2.Volt meter 0-5 volts 3.current meter (100 mili ampere) 4.Light source etc	1



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59	Item59	RC – coupled transistor amplifier set up	A complete setup with all accessories Commensurate with the experiment. 1. Resistance bank 2. capacitor Bank 3. oscillation control pot 4. Ac mili voltmeter (200 mili amp, 20volt) 5. Function generatore (3 Mega Hz) pic to pic voltage 20 volts etc	1
60	Item60	Digital convertor setup	A complete setup with all accessories Commensurate with the experiment. 1. power supply 5 volts 2. ADC and DAC circuit etc	1
61	Item61	Micro Centrifuge	Speed 16000 rpm Phase Single Package Content 24x1.5 ml angle head (with Tapered bottom Polypropylenes tubes) with reduction adaptors of 1 ml & 0.4 ml. Number of Tubes 24 Rotor Capacity 24x1.5 ml Capacity 40 ml Voltage 220-240 V Frequency 50 Hz Head Type Angle Rotor Head Maximum RCF 16600 g	1
62	Item62	SDS-PAGE	Number of gels 1–4 Precast gels Mini-PROTEAN® precast gels Handcast gels Cast using Mini-PROTEAN spacer plates or Mini-PROTEAN empty cassettes Gel size (W x L) Precast: 8.6 x 6.8; handcast: 8.3 x 7.3 Short plate 10.1 x 7.3 Spacer plate 10.1 x 8.2 Total buffer volume for 2 gels, ml 700 ml Total buffer volume for 4 gels, ml 1,000 ml Typical run times for SDS-PAGE 35–45 min (at 200 V constant) Recommended power supply PowerPac™ Basic or PowerPac HC (High Current) Dimensions (W x L x H), cm 12" x 16" x 18"	1



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			Gel format Mini	
63	Item63	Manual Rotary Microtome	Trimming Thickness Range 0.5 um-60 um Minimum Setting Value 0.5 um Object Feed 28 mm Vertical Stroke 60 mm Specimen Orientation X and Y Axis Universal 8 Degree Specimen Orientation Z Axis Upto 360 Degree Max Specimen Size 50 x 50 mm Operation Manual	1
64	Item64	Agarose Gel Electrophoresis	Cell size (W x L x H) 9.2 x 25.5 x 5.6 cm Gel tray sizes (OD) (W x L) 7 x 7 cm 7 x 10 cm Ready Agarose gels accommodated Yes, 8-, 12-, 2 x 8-well Sample throughput 8-30 Base buffer volume ~270 ml Buffer recirculation No Bromophenol blue migration ~4.5 cm/hr (at 75 V)	1
65	Item65	Stereoscopic Microscope	Portable Yes Magnification 20X & 40X with Flat Field Eye-Piece Standard extra wide filled eye pieces WF-10X Binocular head inclined at 45°	2
66	Item66	Rotary Shaker	Type Platform Flask holding capacity 25.0 Platform Size 450x450 mm Flask capacity (maximum) 100ml Power supply 220/230 volt AC, 50/60 Hz Feature Speed is controlled by electronic speed controller	1



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			Motor (hp) 0.25	
67	Item67	Haemocytometers	Sample Mode Whole Blood Operation Mode Manual With V Slash Yes Number of Chambers Single Differential Type 2-Part Number of Squares 1 mm squares Width of Glass Cover(mm) 18 Depth of chamber(mm) 1 Measurement Range 1mm Approximate Order Value Two Minimum Order Quantity 1 Piece	2

9. Opening of Technical Bid and Technical Evaluation :

Technical bid will be opened online by the Concerned Tender Inviting Authority or his authorized representative electronically from the website (<https://wbtenders.gov.in>) using their Digital Signature Certificate (DSC) on or after the technical opening date and time in online mode only. Summary list of technically qualified bidders will be uploaded in online mode only in due course.

During the technical evaluation the committee may summon the bidders & seek clarification / information or additional documents or original hard copy of any of the documents already submitted and/or not submitted online & if these are not produced within the stipulated time frame, their bid will be liable for rejection. Furthermore if any deviation is detected in the hard copies/original documents from the uploaded soft copies, it may be treated as submission of false documents by the bidder and action



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may be referred to the appropriate authority for prosecution as per relevant IT Act.

10. Opening of Financial Bid and Financial Evaluation:

Financial bid will be opened by the Concerned Tender Inviting Authority or his authorized representative electronically from the website (<https://wbtenders.gov.in>) using their Digital Signature Certificate (DSC) on or after the financial opening date and time in online mode only. Summary list of financially qualified bidders will be uploaded online in due course.

During the financial evaluation the committee may summon the bidders & seek clarification / information or additional documents or original hard copy of any of the documents already submitted and/or not submitted online & if these are not produced within the stipulated time frame, their bid will be liable for rejection. Furthermore if any deviation is detected in the hard copies/original documents from the uploaded soft copies, it may be treated as submission of false documents by the bidder and action may be referred to the appropriate authority for prosecution as per relevant IT Act along with rejection of bid.

11. Award of Contract:

Award of contract will be given to L1 vendor agreeing all the terms and conditions as mentioned in the NIT. Vendor may need to undergo a separate agreement between the authority for the smooth and successful on/before time execution of the work.

12. Instructions to bidders:

i. Registration of bidder:

Any bidder willing to take part in the process of e-Tendering will have to be enrolled & registered with the Government e-Procurement System, through logging on to <https://wbtenders.gov.in>.

ii. Digital Signature Certificate(DSC) of bidder:



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- Each bidder is required to obtain a Class-II or Class-III Digital Signature Certificate (DSC) for submission of tenders from the approved service provider of the National Informatics Centre (NIC).
- iii. The bidder can search & download N.I.T. & Tender Document(s) electronically from computer once he logs on to the website mentioned using the Digital Signature Certificate. This is the only mode of collection of Tender Documents.
- iv. **Participation in more than one work:**
A prospective bidder shall be allowed to participate in the job either in the capacity of individual or as a partner of a firm. If found to have applied severally in a single job all his applications will be rejected for that job.
- v. **Submission of Tenders**
Tenders are to be submitted through online to the website stated in two folders at a time for each work, one in Technical Bid & the other is Financial Bid before the prescribed date & time using the Digital Signature Certificate (DSC). The documents are to be uploaded virus scanned copy duly Digitally Signed. The documents will get encrypted (transformed into non readable formats).

(A) Technical Bid

The Technical proposal should contain scanned copies of the following in two covers (folders).

(1) Statutory Cover

The statutory cover will be containing the following documents

(a) Prequalification Documents

Prequalification Application Form As given in **Annexure-I, Annexure-II, Annexure-III, Annexure-IV, Annexure-V.**

(b) N.I.T.

This document showing acceptance of the document itself. The document must be downloaded properly and the same must be uploaded may be along with the corrigendum's if any.

(2) Non-Statutory Cover



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The non-statutory cover will be containing the following documents.

Sl.	Category Name	Sub-Category	Detail(s)
A.	Certificate(s)	Certificate(s)	<ul style="list-style-type: none"> i. IEC as and where applicable. ii. GST Registration Certificate iii. VAT Registration Certificate iv. Service Tax Registration Certificate (ST2) as and where applicable. v. Service Tax Challan as and where applicable. vi. PAN Card vii. Latest PTax (Challan) viii. Latest IT Receipt. ix. A Chartered Accountant's Certificate on turnover achieved by bidder in last three financial years and bidder's net profit during this period.
B.	Company Detail(s)	Company Detail	<ul style="list-style-type: none"> i. Certificate of Incorporation as and where applicable ii. Updated Trade License as where applicable iii. Power of Attorney in favour of signatory of bid as where applicable. iv. Name, address of banker, account number v. Factory or Shop and Establishment Certificate as where applicable vi. Address proof for registered and/or branch office of bidder, preferably in Kolkata.



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C.	Credential	Credential -1 Credential -2	Work Order Copies and Completion certificate or bill paid or TDS certificate issued by the purchaser/ end user with cross-reference of order number and date for Similar nature of work done
F	Financial Info	Audited P/L and Balance Sheet 2015-16 Audited P/L and Balance Sheet 2016-17 Audited P/L and Balance Sheet 2017-18	

Click the check boxes beside the necessary documents in the My Document list and then click the tab " Submit Non Statutory Documents' to send the selected documents to Non-Statutory folder. Next Click the tab " Click to Encrypt and upload" and then click the "Technical" Folder to upload the Technical Documents

(B) Financial Bid

The financial proposal should contain the following documents in one cover (folder) i.e. Bill of Quantities (BOQ). The Bidder is to quote the rates online through computer in the space marked for quoting rate in the BOQ. Only downloaded copies of the above documents are to be uploaded virus scanned & Digitally Signed by the Bidder.

Annexure-I

Prequalification Application Form

To,
The Principal,
Derozio Memorial College, Rajarhat Road, P.O.- R. Gopalpur
Kolkata 700136 West Bengal, India.

Tender Ref. No: DMC/RUSA/18-19/001
Name of Work: Procurement of various laboratory items

Dear Sir,

Having examined the Statutory, Non-statutory & N.I.T. documents, We hereby submit all the necessary information and relevant documents for evaluation. The application is made by me on behalf of(Bidder's Company Name) in the capacity of ----- (Designation of the signatory) duly authorized to submit the bid. The necessary evidence admissible by law in respect of authority assigned to us on behalf firms for Application and for completion of the contract documents is attached herewith. We now offer to supply and deliver the goods and/ or services in conformity with your above referred document. We do hereby declare that all data and documents submitted by us in our bid in this NIT are genuine and true. We agree to keep our bid valid for acceptance as required in the e-tender for minimum 180 (one hundred and Eighty) days, or for subsequently extended period, if any, agreed to by us. We also accordingly confirm to abide by this bid up to the aforesaid period and this bid may be accepted any time before the expiry of the aforesaid period.

We would authorize and request any Bank, person, Firm or Corporation to furnish pertinent information as deemed necessary and/or as requested by you to verify this statement.

Our name as registered in the e-tender website of <https://wbtenders.gov.in> is:

Our login id in that website is:

Our address as registered in that website is:

Our telephone number as registered in that website is:

We understand that:

- 1) Tender Inviting & Accepting Authority can amend the NIT & it's scope and we are accepting the NIT and corrigendum if any.
- 2) Tender Inviting & Accepting Authority reserve the right to reject any

application without assigning any reason.

(Signature with date)

(Name, designation, seal of authorized person to sign bid for and on behalf of Bidder)

Enclosure(s):

- 1) Statutory Documents.
- 2) Non Statutory Documents.

Annexure-II

Undertaking format:

The Principal,
Derozio Memorial College, Rajarhat Road, P.O.- R. Gopalpur
Kolkata 700136 West Bengal, India.

Tender Ref. No: DMC/RUSA/18-19/001

Name of Work: Procurement of various laboratory items

Dear Sir,

Having examined the Statutory, Non-statutory & N.I.T. documents, We hereby submit all the necessary information and relevant documents for evaluation. The application is made by me on behalf of(Bidder's Company Name) in the capacity of -----
--(Designation of the signatory) duly authorized to submit the bid. We are confirming that the proprietor/ partner/ director of the firm or representatives are not convicted by a court of law for offence involving moral turpitude in relation to business dealings. The firm has not been debarred, de-registered, banned, blacklisted by any government ministry/ department/ authority/ organization/ institution/ local bodies/ PSU etc. in the last 5(Five) years from scheduled date of opening of this tender.

Brief of court/legal cases pending, if any, are following:

We also confirm that the proprietor/ partner/ director of the firm or representatives have NOT abandoned any work nor any of our contract have been rescinded due to poor performance/delivery/quality etc during the last 5 (five) years.

(Signature with date)

(Name, designation, seal of authorized person to sign bid for and on behalf of Bidder)

Annexure-III

A. Pre-qualifications/Criteria Compliance Documents:

SL. No.	Documentary Proof of	Attached (Yes/No)	Page No
1	Updated Trade License as and where applicable		
2	Certificate of Incorporation as and where applicable		
3	Power of Attorney in favour of signatory of bid as where applicable.		
4	Name, address of banker, account number		
5	Factory or Shop and Establishment Certificate as where applicable		
6	Address proof for registered and/or branch office of bidder, preferably in Kolkata/greater Kolkata		
7	IEC as and where applicable as and where applicable		
8	GST Registration Certificate as and where applicable		
9	VAT Registration Certificate as and where applicable		
10	Service Tax Registration Certificate (ST2) as and where applicable..		
11	Service Tax Challan as and where applicable.		
12	PAN Card		
13	Latest PTax (Challan)		
14	Last 3 Years IT Acknowledgement Receipt.		
15	A Chartered Accountant's Certificate on turnover achieved by bidder in last three financial years and bidder's net profit during this period.		
16	Work Order Copies and Completion certificate or bill paid or TDS certificate issued by the purchaser/ end user with cross-reference of order number and date for Similar nature of work done		

B. Details of the Bidder:

1.	Name of Firm/Agency:	
2.	Registered address:	
3.	Type of Organization: (Whether proprietorship/ partnership/ Private Limited/Limited/Others	
4.	Telephone No. (Landline):	
5.	Fax No.:	
6.	Mobile No.:	
7.	Email Address:	
8.	Website:	
9.	Name & Address of Branch, if any:	
10.	Name and contact details (with mobile number) of Proprietor / Partners / Directors of the Organization:	
11.	Kolkata Service Center(s) Address (es) details for the quoted items with phone, Mobile & Email etc	

(Signature with date)**(Name, designation, seal of authorized person to sign bid for and on behalf of Bidder)**

Annexure-IV

Product Technical Details

Your Bidding items Section and it's compliance to our required specification

[Bidder needs to fill up this table very carefully. If you opt any item to bid here but NOT selected in the item list in online wbtenders.gov.in or vice-versa, your bid for the item may be rejected.]

Sl No.	Item Code (As mentioned in the 'List of Items to procure'	Want to bid for this item? (Y/N)	Product Specification to be supplied by the bidder(Bidder may furnish Make, Model also)	Whether Product to be supplied meets the Required Specification or not. [a)Yes -At per b)Yes-Better c)No]	Company Website Page(Full URL) where product is listed and specification is mentioned	Default Onsite Comprehensive Maintenance Period(in Years)
1	Item1					
2	Item2					
3	Item3					

4	Item4					
5	Item5					
6	Item6					
7	Item7					
8	Item8					
9	Item9					
10	Item10					
11	Item11					

12	Item12					
13	Item13					
14	Item14					
15	Item15					
16	Item16					
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57	Item57					
58	Item58					
59	Item59					

60	Item60					
61	Item61					
62	Item62					
63	Item63					
64	Item64					
65	Item65					
66	Item66					
67	Item67					

(Signature with date)
(Name, designation, seal of authorized person to sign bid for and on behalf of Bidder)

Annexure-V

Experience Summary for the bidding item

[For each bidding item, the bidder should have work experiences in supply of such item to college/research institute/University/Laboratory/Gov. Organization/PSU.

Fill up this form properly.

Bidding Item Code & Name	(Where supplied earlier?) Purchaser's details	Order No. and date	Description	Value of order (Rs.)	Period of Contract	Current Status/ Remarks on Satisfactory Performance (attach documentary evidence)

[Add a row and furnish the details for each of your bidding item]

[Filling the form for each experience is mandatory. Necessary documents should also be furnished. Your bid for the item will be rejected without filling the form and having proper supply experience]

(Signature with date)

(Name, designation, seal of authorized person to sign bid for and on behalf of Bidder)