

**Basic Details**

Organisation Chain	Department of Pharmaceuticals National Institute of Pharmaceutical Education and Research (NIPER) Guwahati		
Tender Reference Number	NIPER-G/S P/134/Var. Eqp.-II/2021-22 dtd 5.3.22		
Tender ID	2022_MCF_650137_1		
Tender Type	Open Tender	Form of contract	Supply
Tender Category	Goods	No. of Covers	1
Payment Mode	Not Applicable	Is Multi Currency Allowed For BOQ	No
Is Multi Currency Allowed For Fee	No		

Cover Details, No. Of Covers - 1

Cover No	Cover	Document Type	Description
1	Fee/PreQual/Technical/Finance	.xls	Techno-commercial

Tender Fee Details, [Total Fee in ₹ * - 0.00]

Tender Fee in ₹	0.00		
Fee Payable To	NA	Fee Payable At	NA
Tender Fee Exemption Allowed	NA		

EMD Fee Details

EMD Amount in ₹	0.00	EMD Exemption Allowed	NA
EMD Fee Type	NA	EMD Percentage	NA
EMD Payable To	NA	EMD Payable At	NA

Work / Item(s)

Title	NIT for supply and installation of various equipment				
Work Description	Notice Inviting Tender for supply and installation of various equipment				
Pre Qualification Details	Please refer Tender documents.				
Tender Value in ₹	1	Product Category	Laboratory and scientific equipment	Sub category	NA
Contract Type	Tender	Bid Validity(Days)	90	Period Of Work(Days)	30
Location	NIPER-Guwahati, Changsari, Assam	Pincode	781101	Pre Bid Meeting Place	NA
Pre Bid Meeting Address	NA	Pre Bid Meeting Date	NA	Bid Opening Place	NIPER-Guwahati, Changsari

Critical Dates

Publish Date	05-Mar-2022 03:00 PM	Bid Opening Date	21-Mar-2022 12:00 PM
Document Download / Sale Start Date	05-Mar-2022 03:00 PM	Document Download / Sale End Date	21-Mar-2022 11:00 AM
Clarification Start Date	NA	Clarification End Date	NA
Bid Submission Start Date	05-Mar-2022 03:00 PM	Bid Submission End Date	21-Mar-2022 11:00 AM

Tender Documents

NIT Document	S.No	Document Name	Description	Document Size (in KB)
	1	Tendernotice_1.pdf	Notice Inviting Tender for supply and installation of various equipment	1849.0

Work Item Documents	S.No	Document Type	Document Name	Description	Document Size (in KB)
	1	Tender Documents	NIT Var Eqp II.pdf	Notice Inviting Tender for supply and installation of various equipment	1849.0

Tender Inviting Authority

Name	Director, NIPER-Guwahati
Address	NIPER-Guwahati, Sila Katamur, Halugurisuk, Changsari, Kamrup, Assam-781101

Tender Creator Details

Created By	Gitartha Goswami
Designation	Assistant Registrar
Created Date	05-Mar-2022 02:25 PM



राष्ट्रीय औषधीय शिक्षा एवं अनुसंधान संस्थान, गुवाहाटी

**NATIONAL INSTITUTE OF PHARMACEUTICAL
EDUCATION AND RESEARCH-GUWAHATI**

(Department of Pharmaceuticals, Ministry of Chemicals and Fertilizers, Govt. of India)
SilaKatamur (Halugurisuk), P.O.: Changsari, Dist: Kamrup, Assam, Pin: 781101.

F. No: NIPER-G/S&P/134/Var. Eqp.-II/2021-22

Date: 05/03/2022

NOTICE INVITING TENDERS (SINGLE BID SYSTEM)

Sealed tenders IN SINGLE BID SYSTEM are invited from the Original Equipment Manufacturers (OEM), authorized agents/distributors/sales outlets/ show rooms etc. for the following 50 different equipment in individual sealed covers **super-scribing enquiry reference and equipment number and name separately on each cover** to reach our institute positively on or before **11:00am on 21st March, 2022.**

Tenders submitted by middlemen/consultants/contractors etc. are not accepted.

The equipment details are given below:

TENDER ENQUIRY REF: NIPER-G/Equip. 1/RSP/2021-22 DATED 05/03/2022			
Equipment No.	Equipment Name: Research Syringe Pump (infusion/withdrawal)	Qty. 01 no.	EMD: NA
1			
<p><u>Specifications:</u></p> <ul style="list-style-type: none">• Requirement of research syringe pump for transport of fluid: Infusion/withdrawal• Portable, display unit• Syringe capacity (ml): 10• Accuracy: +/- 0.5 % or better• No. of syringe connect: 1 or more• Flow rate: 1.5pl/min to 10 ml/min or better• Frequency: 60 Hz, Power 220V• Reproducibility: less than 2 %• Flow rate should be adjustable /programmable• Warranty: 3 years• All necessary cables and parts required for fitting and installation of the instrument should be provided.			

TENDER ENQUIRY REF: NIPER-G/Equip. 2/RS/2021-22 DATED 05/03/2022

Equipment No. 2	Equipment Name: Rotary Shaker	Qty. 02 nos.	EMD: NA
<p><u>Specifications:</u></p> <ul style="list-style-type: none">• Digital shaker with three-dimensional tumbling motion and adjustable speed• Suitable for homogeneous mixing in flasks, culture flasks, Petri dishes, and tubes• Should be useful for the cultivation of cell cultures, DNA extractions, distributing of cells and staining and de-staining processes.• Compatible rubber mat should be supplied• Type of movement tumbling• Permissible shaking weight (incl. attachment) [kg] 2 with ON time [%] 100• Speed range [rpm] 0 – 80 with 5 rpm adjustment• Speed display 7 segment LED with Speed control 1 RPM steps• Timers display 7 segment LED with Time setting min from 1 second to 5999 min)• Operating mode timer and continuous operation• Tumbling angle adjustable 0 to 15°• Protection class according to DIN EN 60529 IP 21• Voltage 100 – 240V, Frequency 50/60 Hz• Warranty: 3 years			

TENDER ENQUIRY REF: NIPER-G/Equip. 3/AB/2021-22 DATED 05/03/2022

Equipment No. 3	Equipment Name: Analytical Balance	Qty. 01 no.	EMD: NA
<p><u>Specifications:</u></p> <ul style="list-style-type: none">• Maximum capacity: 220g• Weighing platform diameter: 90mm• Readability: 0.1 mg• Repeatability: 0.1 mg• Tare range: Full of capacity• Linearity: 0.2 mg• Settling time: 2 s• Minimum Weight (USP, 0.1%, typical): 160 mg• Sensitivity temperature drift: 2.0 ppm/°C• Adjustment: Internal• Display: Back-lit LCD• Display Refresh (times per second): 10• Interfaces: RS 232• Weight of balance: 4.7 kg• Fully automatic calibration with internal weight• Standard Accessories: Manual, AC Adapter• Warranty: 3 years• Installation should be done FOC by service engineer			

TENDER ENQUIRY REF: NIPER-G/Equip. 4/Refrigerator/2021-22 DATED 05/03/2022

Equipment No. 4	Equipment Name: Upright 2-8°C Refrigerator	Qty. 03 nos.	EMD: NA
<p><u>Specifications:</u></p> <p>Description: A Standalone upright +4°C Refrigerator with separate shelves for the storage of buffers, culture medium and samples.</p> <ul style="list-style-type: none">• Vertical Model (Upright)• Capacity: Min capacity of 1000 Litre and above• Temp. Range: 2°C to +10°C• Door: Double, Glass Door, Metallic framed with suitable gasket• Shelves: A min 4 numbers of Shelves• Lock: Integrated• Temperature Display: Digital• Frost Free• Power rating: 220v-240v• Should Include stabilizer• Warranty: minimum of 3 years• Operational condition: 220-240 V / 50-60 Hz• Warranty: 3 Years or more from the date of installation.• Brochure of the product along with a list of users should accompany the technical specifications.• The supplier will be responsible for Installation and validation/commissioning of instrument.• Bidder service center should be at Assam for quick service availability, documentary proof should be attached			

TENDER ENQUIRY REF: NIPER-G/Equip. 5/VO/2021-22 DATED 05/03/2022

Equipment No. 5	Equipment Name: Vacuum Oven	Qty. 01 no.	EMD: NA
<p><u>Specifications:</u></p> <ul style="list-style-type: none">• Temperature Range: ambient temp - 200°C• Temperature accuracy: ± 1°C• Display with 0.1°C resolution.• Double wall construction, insulation with mineral wool or equivalent material.• Interior & Exterior are made of SS 304 or 316 or equivalent and inert to chemicals and temperature.• System should ensure ensures rapid & equal heating without any thermal loss• Door with Hinges and Handle, Silicon Gasket, Glass for Viewing.• The operations driven through microprocessor based with LED display.			

- Control Panel Having on Off Switch, Indicating Lamps, Digital Temperature and timing Controller Cum Indicator, Calibrated vacuum gauge and regulator to measure the pressure.
- Should have thermostat to prevent overheating and auto stop in case of emergency.
- Should have alarm system for warning in temperature changes
- Shelves 2, chamber volume between 30 to 45 Litre, Vacuum degree $\leq 150\text{Pa}$
- Should be supplied with compatible vacuum pump (preferably Noise level $\leq 65\text{dB}$)
- Power Supply 220-250V/50-60HZ A.C.
- All necessary cables and parts required for fitting and installation of the instrument should be provided including humidity trap setup to prevent the moisture entry to vacuum pump.
- Total 3 years warranty or 1 year manufacture warranty and additional 2 years' service warranty

Installation and Commissioning to be done at NIPER Guwahati for fully functional operation.

TENDER ENQUIRY REF: NIPER-G/Equip. 6/SC/2021-22 DATED 05/03/2022

Equipment No. 6	Equipment Name: Spin Coater	Qty. 01 no.	EMD: NA
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Specifications:

Our application includes uniform coating of polymer, materials over different substrate (glass, wafer, polymer sheets etc.) for microfluidics and other device fabrication.

- RPM Range should be in range of 100 to 12000 or better
- Acceleration rate maximum should be 8000RPM/Sec
- Accuracy should be ± 20 RPM
- Sample holder should work on hybrid mode (with and without vacuum)
- High precision drives and 10 steps per program
- Chamber size preferably 6" inch and chemical resistant
- Provision for gas (N_2) purging
- System should be PID controlled, Vibration less operation
- Should be Compact in size and shape (preferably less than 12 kg, dimension($l \times b \times h$) less than $12 \times 12 \times 12$ inches
- System must have touch screen user interface, external USB storage facility, minimum 16 GB of internal program storage, Live RPM Feedback with Line graph Plots
- Powder coated corrosion resistant enclosure
- Transparent Acrylic lid with a facility of dynamic coating
- Power requirement 220-250 Volts and 50 Hz
- Additional Accessories must be provided like Vacuum chucks with O rings (1 set) that should accommodate substrate size from $10\text{mm} \times 10\text{mm}$ to 4-inch, Universal Vacuum chuck (1 no.), Vacuum less chuck (1 no.), Compatible oil free vacuum pump (27inchhg or better, 1 no.), All necessary cables and parts required for fitting and installation of the instrument should be provided.
- Warranty: Three year.
- Installation and commissioning to be done at NIPER Guwahati for functional operation.

TENDER ENQUIRY REF: NIPER-G/Equip. 7/HV/2021-22 DATED 05/03/2022

Equipment No. 7	Equipment Name: Hydrothermal Vessel	Qty. 04 nos.	EMD: NA
<p><u>Specifications:</u></p> <ul style="list-style-type: none">• Our application is to carry out chemical reactions (like synthesis of nano-materials etc.) at high pressure and high temperature.• Capacity:100mL• Temperature range (safe): 250°C or better• Max Operating Temp.: 250°C or better• Working Pressure: should be not less than 5 MPa• Heating and Cooling Rate : ≤5°C/min or better• Material: Shell made of high-quality stainless steel, Inner Shell - PTFE liner Teflon• Hydrothermal autoclave should be made up of solid stainless steel high grade (no welding) with PTFE• The design must be safe and should be suitable for high pressure and temperature preferably as per ISO standard			

TENDER ENQUIRY REF: NIPER-G/Equip. 8/RW/2021-22 DATED 05/03/2022

Equipment No. 8	Equipment Name: Rotary Washer	Qty. 01 no.	EMD: NA
<p><u>Specifications:</u></p> <p>Suitable for washing wet turmeric, rhizomes etc.</p> <ul style="list-style-type: none">• Size: Octagon shape drum washer.• Power required: 1.5Kw-1440 RPM• Accessories: worm gear box• Production capacity: 25-50kgs• Type of brushes: Nylon brushes• Material of construction: All contact parts are made of stainless steel grade SS316, external parts of SS304. Other supports like bearing, housing, pedestals, pullys etc. Should be made of mild steel/cat iron with covering on top using SS304• Washing media may be normal or hot water which is to be connected to the polishing drum. Necessary motors and eating system may be quoted as optional items• Validation Documents: DQ, IQ and OQ <p>Note & Remarks:</p> <ul style="list-style-type: none">• Electrical motors preferred Make: BBL/CG/ABB• Gear Box: Preferred Make Bonfigiloli/Robus/Elecon/ Rotomotive• Electrical components preferred make: Schneider/Siemens			

TENDER ENQUIRY REF: NIPER-G/Equip. 9/DCM/2021-22 DATED 05/03/2022

Equipment No. 9	Equipment Name: Double Cone Mixer with motor	Qty. 01 no.	EMD: NA
<p><u>Specifications:</u></p> <ul style="list-style-type: none">• Volume: Minimum of 250 litres capacity• Power required: 2kw-1440 RPM• Accessories: worm gear box• Production capacity: 25-50kg/batch• Validation Documents: DQ, IQ and OQ• Material of construction: All contact parts are made of stainless steel grade SS316, external parts of SS304. Other supports like bearing, housing, pedestals, pullys etc. are of mild steel/cat iron with covering on top using SS 304 sheet• Paddle Type Sealing machine• Electronic weighing machine up from 100gms to 2kg• Bulk weighing machine: 2kg to 20kgs <p>Note & Remarks:</p> <ul style="list-style-type: none">• Electrical motors preferred Make: BBL/CG/ABB• Gear Box: Preferred Make Bonfiglioli/Robus/Elecon/ Rotomotive• Electrical components preferred make: Schneider/Siemens			

TENDER ENQUIRY REF: NIPER-G/Equip. 10/RVOP/2021-22 DATED 05/03/2022

Equipment No. 10	Equipment Name: Rotary Vane Vacuum Oil Pump	Qty. 01 no.	EMD: NA
<p><u>Specifications:</u></p> <ul style="list-style-type: none">• Filter Tanker 130• Compact, Light, quiet, low vibration Rotary Vane Pump.• Used for high volume and medium high vacuum application like vacuum drying, centrifugal concentrator etc.• Power 220V 50Hz,• Max Power (W) 250 or better,• Max Current (A):2.5,• Max Vacuum: 0.1 Torr or better,• Motor Rotation: 1440 RPM or better,• Max Flow 70L/Min or better,• Horse Power 1/3 HP or better,• Noise Level 52 dB or better			

TENDER ENQUIRY REF: NIPER-G/Equip. 11/BAM/2021-22 DATED 05/03/2022

Equipment No. 11	Equipment Name: Basic Analytical Mill	Qty. 01 no.	EMD: NA
<p><u>Specifications:</u> Small Compact mill for grinding of hard, brittle or non-elastic type of materials mostly pharmaceutical compounds with high-grade stainless-steel beater for cutting grinding for pulverizing soft, fibrous materials with a cutting blade.</p> <ul style="list-style-type: none">• Process type batch with Operating principle cutting/impact.• Motor rating input 155-160W and output 90-100W,• Speed max: 27000 rpm or higher with circumferential speed max: 50 m/s or better• Usable Chamber size volume max. 50 -70 ml Jar.• Material beater/cutter: stainless steel 1.4034 or equivalent• Material milling chamber: stainless steel 1.4571 or equivalent• Grinding chamber Body made of PTFE or glass fiber-reinforced or equivalent material to prevent sticking• Sample Feed hardness max: 5.5-6.0 Mohs.• Feed grain size max. 8-10 mm• Sample feed can be pre-cooled in milling chamber with dry ice and liquid nitrogen• Protection class according to DIN EN 60529 IP 43 or equivalent• Warranty: Minimum 3 years			

TENDER ENQUIRY REF: NIPER-G/Equip. 12/SDTU/2021-22 DATED 05/03/2022

Equipment No. 12	Equipment Name: Semi-Dry Transfer Unit with power supply	Qty. 01 no.	EMD: NA
<p><u>Specifications:</u></p> <ul style="list-style-type: none">• The transfer unit should fit for transfer of proteins from polyacrylamide gels and should uses minimal quantity of transfer buffer.• Should support for transfer of up to 12 mini gels at one time.• The electrode should made of high-quality materials that should allow consistent transfer without bubbles buildup.• The unit should not generate excess heat which can dry the stack/gel.• The unit should accompany all necessary blotting papers, masks, cellophane and other accessories for transfer of proteins from polyacrylamide gels.• Power: 30V, 15W• It should be an open system and should not be bound to use consumables from one vendor.• Maximum temperature should be 45°C or better and humidity up to 80%• Warranty:2 Years from the date of installation• The unit should be supplied with power supply which is suitable for electrophoretic blotting applications and have following features: (a) Should be ideal for blotting applications			

- (b) Should have constant voltage or constant current mode with automatic crossover.
- (c) Easy to read LED and simple operation
- (d) Programmable output: 5 to 200V or better, 10 to 2000mA and 200W or better
- (e) Should provide timer/continuous runs (0 to 999 minutes)
- (f) Should have automatic recovery after power failure
- (g) Should provide four sets of output jacks
- (h) Should fit for 4 to 40°C or better and humidity up to 80% or better
- (i) Have short circuit protection
- (j) Should have universal voltage input
- Warranty: 2 Years from the date of installation.

TENDER ENQUIRY REF: NIPER-G/Equip. 13/NRBC/2021-22 DATED 05/03/2022

Equipment No. 13	Equipment Name: Non-Refrigerated Benchtop Centrifuge	Qty. 01 no.	EMD: NA
<p><u>Specifications:</u></p> <ul style="list-style-type: none"> • Speed: 17000 RPM or above and 30000 RCF or above • Acceleration/De-acceleration time: 14/15 s or better • Rotors to be supplied for 30 x 1.5/2 mL centrifuge tubes, 6 x 15 mL centrifuge tubes and 6 x 50 mL centrifuge tubes • Timer: 30 s – continuous run function • Program keys should be available for easy access to routine programs • Able to store 50 routine procedures • Able to switch display between RCF and RPM speed setting • Should have Short Spin Function • "At Set RPM" function - time count starts after reaching the set RPM • Noise level - <60 dB (A) • Power supply: 230 V / 50-60 Hz, low Power Consumption: <500 W • Warranty: 3 Years from date of installation 			

TENDER ENQUIRY REF: NIPER-G/Equip. 14/VE/2021-22 DATED 05/03/2022

Equipment No. 14	Equipment Name: Vertical Electrophoresis with power pack	Qty. 01 no.	EMD: NA
<p><u>Specifications for Vertical Electrophoresis</u></p> <ul style="list-style-type: none"> • Number of gels: 1–4 • Buffer dam: 1 • Cell (tank and lid with power cables): 1 • Companion module (to run up to 4 gels): 1 • Short plates (5 plates per box): 1 box 			

- 10-well combs; 5
- 1.5 mm spacer plates (5 plates per box): 1 box
- Casting stands: 2
- Casting frames: 4
- Handcast gels; Handcast using glass plates
- Precast gels: Ready Gel precast gels
- Total buffer volume for 2 gels, ml: 800
- Total buffer volume for 4 gels, ml; 1,000
- Recommended power supply: Power Pac Basic, Power Pac HC (high current), Power Pac HV (high voltage), or Power Pac Universal
- Typical run time for SDS-PAGE: 35–45 min (at 200 V constant)
- Gel format: Mini

Specifications for power pack

- Output specifications: 10–300 V, fully adjustable in 1 V steps 4–400 mA, fully adjustable in 1 mA steps 75 W (maximum)
- Type of output: Constant voltage or constant current with automatic crossover
- Output terminals: 4 pair recessed banana jacks in parallel
- Timer control: 1 min–99 hr 59 min, fully adjustable
- Pause/resume function: Yes
- Display: 3-digit LED
- Operating conditions: 0–40°C; 0–95% humidity in absence of condensation
- Safety compliance: EN61010
- Safety features: No-load detection; rapid resistance change detection, ground leak detection, overload/short circuit detection, overvoltage protection, over-temperature protection
- Input protection: Fuse on hot and neutral
- Dimensions (W x D x H), cm/in: 21 x 24.5 x 6.5/8.3x 9.6 x 2.6
- Weight, kg/lb: 1.1/2.4

TENDER ENQUIRY REF: NIPER-G/Equip. 15/VA/2021-22 DATED 05/03/2022

Equipment No. 15	Equipment Name: Vertical Autoclave	Qty. 01 no.	EMD: NA
<p><u>Specifications:</u></p> <ul style="list-style-type: none"> • Inner Chamber : SS 316 • Working pressure : 1.2kg/cm² • Working Temperature : 121° C • Door : SS304 Single Lever Locking • Mode of control : Fully Automatic PLC with LCD Display with Digital Pressure and Temperature, Illuminated Keypad with over Ridden Manual. • Digital pressure: By advanced Pressure Transmitter. 			

- Water protection: In the event of low water the supply to the heaters is discontinued automatically and visually indicated in the control panel.
- Gasket : Silicon Expansion type
- Outer Insulation : Mirror Finish SS 304
- Cabinet Enclosure : SS304
- Chamber Size Dia X Deep (mm):300 X 500
- Volume Liters : 35
- Electrical Load (Kw) : 3 KW/3 phase

PLC Operations

- Automatic Air Purging with solenoid Valve
- Data Logging from SD card and retrieving from PC.
- With Four Different Automatic programs, Editable as per user requirement
- Password Protected
- Thermal Printer

Features

- Safety Valve
- Low water protection
- Over pressure cut off
- Validation Port
- Vacuum Breaker
- Non-Return Valve
- Water inlet and Water outlet valves.
- Online Printer with Real-Time Pressure and Temperature with F0 Value

TENDER ENQUIRY REF: NIPER-G/Eqp. 16/SDETC/2021-22 DATED 05/03/2022

Equipment No. 16	Equipment Name: Semi-Dry Electrophoretic Transfer Cell	Qty. 01 no.	EMD: NA
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Specifications:

- Gel capacity: 4 precast gel sandwiches
- Buffer requirement, ml: 200
- Recommended power supply; PowerPac™ HC
- Maximum gel size (W x L), cm: 24 x 16
- Transfers take place in as little as 15–60 min
- Minimal buffer requirements
- Single-step locking system
- Platinum-coated titanium anode plate electrodes and stainless-steel cathode plate electrodes

- Safety cover

TENDER ENQUIRY REF: NIPER-G/Equip. 17/CC/2021-22 DATED 05/03/2022

Equipment No. 17	Equipment Name: Cell Counter	Qty. 01 no.	EMD: NA
<p><u>Specifications:</u></p> <ul style="list-style-type: none"> • Compatible with a broad range of cell sizes and types — counts cell lines, primary cells (from tissue or blood), and stem cells • Innovative auto-focus technology — removes the variation associated with manual focusing and leads to precise cell counts in 30 seconds • Cell size gates — user selects a population of interest in complex samples, such as primary cells, or lets the cell counting algorithm do all the work • Cell viability — analyzes cells accurately using multifocal plane analysis • Easy to archive and analyze — stores up to 100 counts in the onboard memory for access any time, or use the optional TC20 data analyzer software on your PC to further analyze exported cell images • Counting time, sec: 30 • Cell concentration range, cells/ml: 5×10^4–1×10^7 • Optimal cell concentration range, cells/ml: 1×10^5–5×10^6 • Cell diameter range, μm: 6–50 • Sample volume, μl: 10 • Data storage, counts: 100 • Data export: Via USB flash drive • Printer connectivity: Yes • Dilution calculator: Yes • Image of cells available: Yes • Dimensions (W x D x H), cm (in): 19 x 15 x 25.4 (7.5 x 6 x 10) • Weight without the external power supply, kg (lb): 2.2 (4.8) 			

TENDER ENQUIRY REF: NIPER-G/Equip. 18/PDL/2021-22 DATED 05/03/2022

Equipment No. 18	Equipment Name: Portable Data Logger with NABL certificate DT172	Qty. 02 nos.	EMD: NA
<p><u>Specifications:</u></p> <ul style="list-style-type: none"> • Memory for 32700 readings (16350 temperature and 16350 humidity readings) • Dew point indication via Windows Software. • Selectable measuring cycle: 2s, 5s, 10s, 30s, 1m, 5m, 10m, 30m, 1hr, 2hr, 3hr, 6hr, 12hr, 24hr • Status Indication via Red/Yellow LED and Green LED. • USB Interface for Set-up and Data Download • User-Programmable Alarm Thresholds for Relative Humidity and Temperature 			

- Analysis software used to view graph for logging data
 - Multi-mode to start logging
 - Long battery life Size
 - Weight: 100-150 gms
- NABL calibration certificate for instrument will be provided with minimum validity of 12months from date of calibration.

TENDER ENQUIRY REF: NIPER-G/Equip. 19/THDL/2021-22 DATED 05/03/2022

Equipment No. 19	Equipment Name: Temperature and humidity data logger	Qty. 02 nos.	EMD: NA
<p><u>Specifications:</u></p> <ul style="list-style-type: none"> • Temperature - NTC • Measuring range: -20 to +55 °C • Accuracy: ± 0.4 °C (-20 to +55 °C) ± 1 Digit • Resolution: 0.1 °C • Humidity - Capacitive <ul style="list-style-type: none"> ○ Measuring range: 0 to 100 %RH* ○ Accuracy: ± 2 %RH (2 to 98 %RH) at +25 °C ± 0.03 %RH/K ± 1 Digit $< \pm 1$ %RH / year drift at +25 °C ○ Resolution: 0.1 %RH • Weight: 100-150 g • Operating temperature: -20 to +55 °C • Product-/housing material: Plastic • Channels: minimum 2 internal • Product colour: Black • Life-time sensor: Long-term drift of the sensor $< 1\%$ RH / year (ambient temperature + 25 °C) • Measuring rate: 10 s - 24 h • Battery type: 3 x AIMn type AAA or Energizer • Battery life: 3 years at 15 min. meas. rate, +25 °C • Interface: mini usb, SD card slot • Memory: 1,000,000 measuring values • Storage temperature: -20 to +55 °C 			

TENDER ENQUIRY REF: NIPER-G/Equip. 20/UB/2021-22 DATED 05/03/2022

Equipment No. 20	Equipment Name: Ultrasonic Bath	Qty. 01 no.	EMD: NA
<p><u>Specifications:</u></p> <ul style="list-style-type: none"> • Tank Capacity: 10 Liters • Tank & enclosure material: Stainless steel 304 • Ultrasonic power: 250 watts or better • Heater power: 500 watts • Ultrasonic frequency: 33 to 40 khz with accuracy ± 3khz • Timer: Minimum 0 to 99 minutes 			

- Power input: 230 Vac
- Temperature: Digital temperature controller with programmable temperature maximum up to 60 degrees Celsius.
- Degassing: Degassing mode should be available with a provision to switch on/off.
- Accessories: Lid, basket, drain valve should be provided.

TENDER ENQUIRY REF: NIPER-G/Equip. 21/WB/2021-22 DATED 05/03/2022

Equipment No. 21	Equipment Name: Water Bath	Qty. 01 no.	EMD: NA
<p><u>Specifications:</u></p> <ul style="list-style-type: none"> • Stainless steel, Compact & ergonomic 4.0 L capacity heating bath. • Material in contact with media should be Stainless Steel 1.4404 or equivalent • Dimension: Heating bath Inner Dia 220-230 mm and Inner Height 125-130 mm • Gross weigh should not be more than 4.0 kg • Alternating display of set-temperature & actual temperature • Display: Digital LED • Temperature Range : up to 99.0 °C or better • Heating output: 1400W • Heat Control turning knob • Heat Control Oscillation (at 3000ml / 90°C) should not be more than ± 1K or better • Absolute Temperature deviation/mean (at 3000ml / 90°C) should not be more than ± 2K or better • Set Temperature Resolution: ± 1°C better • Fixed Safety Circuit : At 100°C to 110°C • Protection Class according to DIN EN 60529 IP21 • Should have USB interface for Connectivity • Power: 220-240 V, Frequency: 50/60Hz, 1450W • Power input when stand by : 3.0 W • Warranty: 3 years 			

TENDER ENQUIRY REF: NIPER-G/Equip. 22/BNM/2021-22 DATED 05/03/2022

Equipment No. 22	Equipment Name: Benchtop Nitrate Meter	Qty. 01 no.	EMD: NA
<p><u>Specifications:</u></p> <ul style="list-style-type: none"> • Automatic calibration should be possible. • Measurement range should be 0.70 to 50000 mg/L or better. • Temperature compensation and calibration function must be available. 			

- Response time should be 15 minutes or better.
- Upgradable to measure other electrochemical functions like pH, ORP.
- Instrument temperature range should be -30 to 120 degrees Celsius with accuracy 0.4 degree Celsius and resolution 0.1 degree Celsius or better.
- Vendor should provide minimum 50 mL Nitrate standard solution for calibration with minimum concentration of 1000 mg/L.
- Vendor should provide minimum 50 mL nitrate electrode filling and ionic strength adjustor solution.
- Vendor must provide the accessories like syringe, dropper, protective pipe, electrode holder with stand.

TENDER ENQUIRY REF: NIPER-G/Equip. 23/pH Meter/2021-22 DATED 05/03/2022

Equipment No. 23	Equipment Name: Benchtop pH Meter	Qty. 01 no.	EMD: NA
<p><u>Specifications:</u></p> <ul style="list-style-type: none"> • pH: <ul style="list-style-type: none"> ▪ Range: -2.00 to 16.00 pH; -2.000 to 16.000pH ▪ Resolution: 0.01 pH ▪ Accuracy (@ 25°C/77°F): ±0.01 pH; ±0.002 pH ▪ Calibration: Automatic, up to three pointcalibration ▪ Temperature Compensation: automatic -5.0 to 100°C using integral temperature sensor. • mV pH <ul style="list-style-type: none"> ▪ Range: ±1000mV ▪ Resolution: 0.1 mV ▪ Accuracy (@ 25°C/77°F):±0.2mV • ORP <ul style="list-style-type: none"> ▪ Range: ±2000mV ▪ Resolution: 0.1 mV ▪ Accuracy(@ 25°C/77°F):±0.2mV (±999.9mV);±1mV(±2000mV) ▪ Calibration: one-point calibration • Temperature <ul style="list-style-type: none"> ▪ Temperature Range:-20.0 to 120.0°C ; -4.0 to 248.0°F ▪ Temperature Resolution: 0.1°C; 0.1°F ▪ Temperature Accuracy:±0.5°C; ±0.9°F • Miscellaneous <ul style="list-style-type: none"> ▪ Connectivity: 1 USB port for storage :1 micro USB port for charging and PC connectivity ▪ Environment: 0 to 50°C(32 to122°F); RH max95% non – condensing ▪ Power Supply: 5 VDC adapter (included) 			

TENDER ENQUIRY REF: NIPER-G/Equip. 24/WBS/2021-22 DATED 05/03/2022

Equipment No. 24	Equipment Name: Water Bath Sonicator	Qty. 01 no.	EMD: NA
<p><u>Specifications:</u></p> <ul style="list-style-type: none">• Tank size: 235X235X100mm (LxWxH)• Tank: SS304• Tank Capacity: 5 Liters• Heater Power: 100Watts• Counter: 0 to 99 Minutes• Input Power: 230V AC• Accessories: Lid, Basket, Drain Valve & User friendly and Operation manual			

TENDER ENQUIRY REF: NIPER-G/Equip. 25/TIC/2021-22 DATED 05/03/2022

Equipment No. 25	Equipment Name: Thermal Imaging Camera	Qty. 01 no.	EMD: NA
<p><u>Specifications:</u></p> <ul style="list-style-type: none">• Infrared resolution: 160 x 120 pixels• Super Resolution to 320 × 240 pixels• Thermal sensitivity (NETD): 120 mK• Field of view/min. focusing distance: 31° x 23° /< 0.5 m• Geometric resolution (IFOV): 3.4 mrad• Image refresh rate: 9 Hz• Focus: Auto focus• Spectral range: 7.5 to 14 µm• Image display: 8.9 cm (3.5") TFT, QVGA (320 x 240 pixels)• Display options: IR image• Colour palettes: iron, rainbow HC, cold-hot, grey• Measuring range -20 to +280 °C• Accuracy: ±2 °C, ±2 % of measured value• Memory: Internal memory (2.8 GB)• File format: .bmt and .jpg; export options in bmp, .jpg, .png, .csv, .xls			

TENDER ENQUIRY REF: NIPER-G/Equip. 26/pH Meter/2021-22 DATED 05/03/2022

Equipment No. 26	Equipment Name: pH Meter	Qty. 01 no.	EMD: NA
<p><u>Specifications:</u></p> <ul style="list-style-type: none">• pH range: -2.00 to 16.00 pH with accuracy ± 0.01 pH.• Dome shape electrode made of tough glass with integrated built-in auto temperature compensation probe (ATC) & BNC phono jack.• Automatic pH calibration up to 5 points using USA or NIST buffers.• Switchable pH resolutions - 0.1, 0.01 pH.• Available ORP range: -2000 to +2000 mV (electrode optional)• Temperature range: -30°C to +130°C with accuracy ± 0.5 °C.• Offset and slope display.• 360 degree electrode stand which accommodates 3 electrodes at a time.• Automatic / Manual temperature compensation and temperature calibration function.• Auto-Hold / Auto-Stable measurement.• On screen electrode status.• Built-in memory can store up to 1000 data sets.• Custom black and white static LCD display.• Auto shut off functions when meter not in use.• Large LCD display of 80*100 mm or better with large digit display of 27mm or better for ease of reading.• USB / RS232 output.• 200 ml each of pH 4.01 / 7.00 / 10.01 buffers & 3.33 M KCl reference electrolyte.• Integrated electrode stand, power adaptor with 6 plugs (US, EU, UK, ANZ, Korea).• All the integral parts of instrument like electrodes, buffer solutions, and attachments should be from the same manufacturer.			

TENDER ENQUIRY REF: NIPER-G/Equip. 27/CVM/2021-22 DATED 05/03/2022

Equipment No. 27	Equipment Name: Digital AC/DC Current Voltage Multimeter and Electric Soldering Unit	01 no. each	EMD: NA
<p><u>Specification for Digital AC/DC Current Voltage Multimeter</u></p> <ul style="list-style-type: none">• Voltage measuring range: 0.1 mV to 600 AC/DC• Basic accuracy: 0.1%• Current measuring range: 1mA to 10 A AC/DC• Resistance measuring range: 0.1 to 40 MΩ• Frequency measuring range: 0.001 Hz to 512 KHz• Capacitance measuring range: 0.001 nF to 100 μF• Display (counts): 4,000• Measurement category: CAT IV 600 V, CAT III 1,000 V			

- Protection class IP 64
- Operating temperature: -10 to +50 °C
- Authorizations TUV, CSA, CE
- Standards EN 61326-1

Specification for Electric Soldering Unit

- Multi Function ESD Protected Hot Air and Iron Digital Rework Station.
- Blower on the Handle with Speed Control.
- Hot Air Gun: High Capacity Heater with Temperature Sensor for Uniform and Fast Heating.
- Temp. range - 200 deg C - 480 deg C
- Power consumption 500W

TENDER ENQUIRY REF: NIPER-G/Equip. 28/VEC/2021-22 DATED 05/03/2022

Equipment No. 28	Equipment Name: Vertical Electrophoresis Cell	Qty. As per specification	EMD: NA
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Specifications for Mini PROTEAN Tetra Vertical Electrophoresis Cell for Mini Precast Gels, 4-gel (Qty. 01 no.):

- Gel Size :8.3 x7.3cm (W x L)
- Glass Plate Size
 - Inner - 10.1 x 7.3 cm
 - Outer - 10.1 x 8.2 cm
- Regulatory Certification – IEC 1010, CE
- Same system should be able to perform western blotting, 2D/tube gel electrophoresis & electro elution also.
- No. of wells: 10, thickness: 1.0 mm
- The system should accommodate up to 4handcast or precast gels at a time.
- Typical run time should be less than an hour
- Buffer volume: Less than 200 ml for each of the chambers
- Should come with the facility to run 4 gels together with companion running module.
- Buffer volume: 700 ml for 2 gels and 1000 ml for 4 gels.
- Same System Should be compatible with electro-elution and western blotting in the same tank.

Specifications for Power Pack Basic Power Supply (Qty. 02 nos.):

- Programmable Output range:
 - 10 – 300V, fully adjustable in 1V steps
 - 4 – 400mA, fully adjustable in 1mA steps;
 - Maximum Power: 75W
- Output Type: CV or CC with automatic crossover facility.
- Built-in timer range – 0 – 999min, fully adjustable.
- Output Terminal: Four (04) pair recessed banana jacks in parallel.

- Pause / Resume function: Yes
- Display: 3-digit LED
- Operating Conditions: 0 – 40 deg C; 0 – 95% humidity
- Regulatory certification – EN-61010, CE Certified.
- Safety Features:
 - No-load detection;
 - Sudden load change detection;
 - Over-load / short-circuit detection;
 - Overload protection.
- Input protection: Fuse on both hot and neutral
- Input power: 198 – 268VAC, 50Hz, auto-switching.

TENDER ENQUIRY REF: NIPER-G/Equip. 29/Mag. Stirrer/2021-22 DATED 05/03/2022

Equipment No. 29	Equipment Name: Hot Plate Magnetic Stirrer with Temperature Sensor	05 nos.	EMD: NA
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Specifications:

- Speed, max.: 1,400 rpm or better
- Speed accuracy: $\pm 2\%$ or better
- Display: Digital
- Heating power: 800W
- Hot Plate temp. range: 20-300 °C
- Medium temp. Max.: 250 °C
- Temp. Accuracy with: ± 1 °C or better

External temperature sensor

- Safety circuit hotplate: 25 °C over hotplate temperature
- Stirring capacity, max.: 20L or better
- Load capacity, max.: 25Kg or better
- Plate diameter: 145mm
- Weight: 2.6Kg
- Power supply: 230V / 50Hz
- External temperature sensor: Pt 1000
- Sensor breakage protection: With Pt 1000
- Power consumption: 820 W
- Dimensions (w/d/h): 173 x 277 x 94
- Temperature accuracy hotplate: ± 5 °C
- Temperature control: Micro controller
- Operating Mode: continuous
- Warranty: minimum 3 years
- Permissible ambient conditions: 5 - 31 °C at 80% relative humidity 32 - 40 °C decreasing linearly up to max. 50% relative humidity
- Drive: EC-motor

The reaction plate of the system must be of ceramic coating, which makes the plate resistant to

chemicals/solvents etc. and very fast heating time.

It should control heating function clearly recognized by visual indicator (illumination) and also prevent unintentional heating.

It must be equipped with independent second safety switch to protect unintentional temp rise and fire resistance (protection class DIN EN 60529 IP 32).

The model should be equipped with a visual residual heat indicator to prevent burns, for safety reasons, the device is switched off completely in the event of a short circuit, broken sensor of the temperature controller, defective motor and in the event of a processor fault.

During reaction or mixing, to prevent any splashing, the mixing speed ramps up slowly until it has reached the desired value. The system should be capable of prevent damage even at the highest temperatures – systems are equipped with a fire-resistant die-cast housing, the built-in PID controller may guarantee precise control without overshooting the temperature.

There should be a provision of automatic restart, for example, in case of power cut, the stirring and heating will be restarted automatically following all the settings parameters after the power connection is back.

The safety circuit should switch off heating when the temperature sensor is not immersed into the media vessel in order to protect the sample from overheating.

- Five suitable support stands plus clamp should be supplied.

TENDER ENQUIRY REF: NIPER-G/Equip. 30/Hot Plate/2021-22 DATED 05/03/2022

Equipment No. 30	Equipment Name: Hot Plate	01 no.	EMD: NA
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Specifications:

- Ergonomic Stainless steel Hotplate with Plate Dia 125 mm.
- Temperature range: Up to 300 °C
- Fixed safety circuit at 400 °C
- heating quantity (H₂O): 10 L or more
- Heat output: 400 W or equivalent
- Temperature range: RT -320 °C
- Protection class according to DIN EN 60529 IP 21 or equivalent
- Warranty : Minimum 3 years
- Accessories need to supply: One Flask carrier 1000 ml without handle made of anodized aluminum, Round bottom hollow cylindrical, usable Volume: 1000 ml

TENDER ENQUIRY REF: NIPER-G/Equip. 31/Mag. Stirrer/2021-22 DATED 05/03/2022

Equipment No. 31	Equipment Name: Magnetic Stirrer	03 nos.	EMD: NA
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Specifications:

- Powerful motor for stirring quantities of up to 10 liter (H₂O) or more
- Simultaneous display of set and actual temperatures via LCD display

- Directly connection for a PT 1000 temperature sensor
- Control accuracy in medium +/- 0.5 K (in combination with PT 1000) or better
- Temperature Display resolution in medium should be 0.1 K using PT 1000 temperature sensor or better
- 3 operating modes to choose (standard, safe, adjustment protection)
- Heating Temperature range: 50°C to 500°C with step less heating controller or higher
- Fixed safety circuit of 550 °C
- Hot Top indicator hot surface warning to prevent burns.
- Digital error code display
- Elevated control panel for protection against leaking liquids and ceramic heating plate.
- Top plate dimensions should be minimum : [mm] 175 x 175
- Protection class according to DIN EN 60529 IP 21
- Warranty : Minimum 3 years

Accessories to be supplied with main instrument

- Pt 1000 Temperature sensor x 1
- Magnetic stirring bar, round, 20 x 8 mm x 1
- Magnetic stirring bar, round, 30 x 8 mm x 1
- Magnetic stirring bar, round, 40 x 8 mm x 1
- Boss head clamp for Pt 1000 temperature sensor x1
- Holding rod for Pt 1000 temperature sensor x 1
- Support rod for Pt 1000 temperature sensor x 1

TENDER ENQUIRY REF: NIPER-G/Equip. 32/Refractometer/2021-22 DATED 05/03/2022

Equipment No. 32	Equipment Name: Digital Urine Specific Gravity Refractometer	01 no.	EMD: NA
<p><u>Specifications:</u></p> <ul style="list-style-type: none"> • Digital Urine Specific Gravity Refractometer • Urine S.G. Scale:1.000 to 1.060 • Minimum Scale: 0.001 • Sample volume: 2-3 drops • Measurement Temperature:10 to 35 C • With built-in Automatic Temperature Compensation (ATC) 			

TENDER ENQUIRY REF: NIPER-G/Equip. 33/WB/2021-22 DATED 05/03/2022

Equipment No. 33	Equipment Name: Water Bath	01 no.	EMD: NA
<p><u>Specifications:</u></p> <ul style="list-style-type: none"> • Setting temperature range: +10 to +100 °C and boiling stage • Working temperature range in °C; min. 5 above ambient up to +100 °C with additional boiling mode • Resolution of display and setting accuracy: 0,1°C up to+99,9°C / 1°C from 100°C 			

- Controller: digital display (LED) of all set parameters, such as temperature and alarm values (0,1°C resolution) as well as time values
- Timer: digital timer from 1 min. up to 999 hours for: ON (continuous operation), DELAYED ON, HOLD or HOLD
- set-temperature dependent with guaranteed holding time
- Calibration: on controller
- Temperature sensor: 2 Pt100 sensors Class A in 4-wire-circuit, mutually monitoring and taking over the performance at the same temperature value
- Temperature control: mechanical temperature limiter TB protection class 1 switching the heating off at approx. 30°C above max. temperature of the bath
- Temperature control: independently working electronic over temperature controller TWW protection class 3.1 or Over temperature limiter TWB protection class 2, adjustable in set-up menu by customer
- Temperature control: in case of over temperature due to failure, the heating is switched off at approx. 10°C above the set temperature (fixed value)
- Auto diagnostic system: fuzzy-supported PID microprocessor controller with integrated auto diagnostic system with fault indication 94,276.00 1 94,276.00
- Alarm: visual and acoustic alarm at programme end and as input acknowledgement as well as in case of low liquid level, heating is switched off automatically
- Heating Baths: corrosion-proof large-area heating on three sides
- Dimensions W x H x D in mm w(A) x h(C) x d(B): 240 x 140 x 210 mm
- Interior: easy-to-clean interior, made of stainless steel, reinforced by deep drawn ribbing, material no. 1.4301
- Volume: 7-10 L
- Liquid level min.: 97-100 mm
- Liquid level max.: 100-120 mm
- Dimensions: w(D) x h(G) x d(E): 468 x 337 x 356 mm
- Voltage: 230 V, 50/60 Hz
- Electrical load: approx. 1200 W (during heating)
- Humidity rh max.: 80 %, non-condensing
- Overvoltage category: II
- Pollution degree: 2

TENDER ENQUIRY REF: NIPER-G/Equip. 34/Rocker/2021-22 DATED 05/03/2022

Equipment No. 34	Equipment Name: Rocker 2D Digital	01 no.	EMD: NA
Specifications:			
<ul style="list-style-type: none"> • Type of movement: rocking • Permissible shaking weight (incl. attachment) :2-3 kg • Permissible ON time: 100 % • Speed min (adjustable): 5-8 rpm 			

- Speed range: 0 - 100 rpm
- Speed display: 7-8 segment LED
- Speed control: 1-2 RPM steps
- Timer: yes
- Timer display: 7 segment LED
- Time setting min.: 1 s
- Time setting max.: 6000 min
- Operating mode: timer and continuous operation
- Rocking angle adjustable: 2.5 - 16 °
- Shaking platform stackable: yes
- Altitude (when shaking platform stacked): 30 mm
- Dimensions (W x H x D): 280 x 150 x 330 mm
- Weight : 2.2 kg
- Permissible ambient temperature: 5 - 50 °C
- Permissible relative humidity : 80 %
- voltage : 100 - 240 V

TENDER ENQUIRY REF: NIPER-G/Equip. 35/DSO/2021-22 DATED 05/03/2022

Equipment No. 35	Equipment Name: Digital Storage Oscilloscope	01 no.	EMD: NA
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Specifications:

- Warranty Period: 5 Years
- Power source: 100 to 240 VAC RMS±10%
- Bandwidth of operation: 200 MHz
- No. of Channel: 2
- Sample Rate: 1 GS/s
- Record Length: 20 K Points

Vertical System

- Input Impedance: 1 MΩ ±2 % in parallel with 14 pF ±2 pF
- Input Coupling: DC/AC
- Bandwidth Limit (Vertical System): 20 MHz
- Vertical Resolution: 8 bits
- Input Sensitivity Range: 1 mV/div to 10 V/div
- DC gain accuracy: ±3% step gain, derated at 0.1%/°C above 30°C

Horizontal System

- Time base accuracy (Horizontal System): 20 ppm
- Time base Range: 2 ns/div to 100 sec/div in a 1-2-4 sequence

Trigger System

- Trigger modes: Auto, Normal, Single and Sequence
- Trigger source: CH1, CH2, AUX IN, AC line

Waveform Measurements

- Cursors: Time, Amplitude, Screen

Display System

- Display format: XY and YT

All necessary cables and parts required for fitting and installation of the instrument should be provided. Installation and demonstration needs to be done at NIPER Guwahati.

TENDER ENQUIRY REF: NIPER-G/Equip. 36/FG/2021-22 DATED 05/03/2022

Equipment No. 36	Equipment Name: Function Generator	01 no.	EMD: NA
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Specifications:

- Warranty Period: 5 Years
- Supply: 220-240 VAC, 100-120 VAC, 50/60 Hz,
- Number of channels: 2
- Built-in waveforms: Sine, Square, Pulse, Ramp
- **Sine Waves**
- Range: 1 μ Hz to 25 MHz
- **Square wave**
- Range: 1 μ Hz to 12.5 MHz
- **Ramp wave**
- Range: 1 μ Hz to 1 MHz
- **Pulse wave**
- Range: 1 μ Hz to 12.5 MHz
- **Arbitrary waveform**
- Sampling rate: 125 MS/s
- Vertical resolution: 14 bits
- **Frequency**
- Resolution: 1 μ Hz or 12 digits
- Amplitude Range (50 Ω load): 1 mVp-p to 10 Vp-p
- Output impedance; 50 Ω (typical)
- **Amplitude modulation**
- Carrier waveforms: Sine, square, ramp, arbitrary
- Internal AM frequency: 2 mHz to 20 kHz
- **Frequency modulation**
- Carrier waveforms: Sine, square, ramp, arbitrary
- Internal modulating frequency: 2 mHz to 20 kHz
- **Phase modulation**
- Carrier waveforms: Sine, square, ramp, arbitrary
- Internal PM frequency: 2 mHz to 20 kHz
- Phase Deviation: 0° to 180°
- All necessary cables and parts required for fitting and installation of the instrument should be provided. Installation and demonstration need to be done at NIPER-Guwahati.

TENDER ENQUIRY REF: NIPER-G/Equip. 37/ACC/2021-22 DATED 05/03/2022

Equipment No. 37	Equipment Name: Automated Cell Counter with fluorescence	01 no.	EMD: NA
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Specifications:

- Instrument type: Bench top cell counter and suspension cell-based assay platform
- Should be compatible with a wide variety of eukaryotic cells.
- Three channels (bright-field plus 2 slots for replaceable light cubes for fluorescence detection). In addition, end user should have a provision to choose from >20 LED light cubes for Fluorescence application
- **Camera:** 5 megapixels, 2.5X optical magnification.
- Instrument should be able to autofocus the samples and should be able to save different profiles for different cell types.
- Processing time should be ≤ 30 seconds.
- Required sample volume should not be more than 10 μ l.
- Instrument should have a dilution calculator for the calculating the number of cells required for an assay based on the live/total cell count and a cell splitting calculator
- Software should be able to gate cells based on the size, shape and intensity
- Instrument should able to count sample, cell concentration range to be detected should range from $1 \times 10^4 - 1 \times 10^7$ cells/ml.
- Should be able to count particle 4-60 μ m/cell diameter ranging from 7-60 μ m. Counting area - Area: 2.26 mm x 1.69 mm (3.82 mm²)
- The counting algorithms should be able to identify clear delineations of cell boundaries within clumps of cells, thereby giving precise, accurate cell counts even with clumpy samples.
- The instrument should contain a Firmware (Cell imaging software).
- Instrument should be able to do rapid capture and auto-save, thereby eliminating the need for additional menu selections to quickly get the results which are automatically saved.
- The instrument should be complete system designed for stand-alone use with processor, software, and data storage, to process, analyze, and store data generated on the instrument in USB or Cloud based storage.
- Display interface should be user friendly with the touch screen display (LCD), located in the front of the instrument and should contain buttons for all the functions needed and displays data from the cell count.
- Instrument should save the results and images as TIF, JPEG or PNG. Should also

support PDF, CSV and FCS file type. The “Cell Data” file should be FCS file for advanced individual cell data plotting and analysis.

- The data stored in the instrument should be able to be transferred to computer using the USB drive and should have Wi-Fi-enabled cloud connectivity
- The instrument should be compatible with reusable slides as well as disposable slides with a chamber volume of 10µl for cell counting.

TENDER ENQUIRY REF: NIPER-G/Equip. 38/TM/2021-22 DATED 05/03/2022

Equipment No. 38	Equipment Name: Turbidity Meter	01 no.	EMD: NA
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Specifications:

- Optics: Temperature compensated LED and photo-sensor amplifier in water proof sample chamber, infrared light
- Accuracy: ± 2.5 % of reading, or ± 0.01 NTU,
- whichever is bigger, in the range of 0.01 - 500 NTU ; ± 5 % of reading in the range of 500 - 1000 NT
- Operation: polycarbonate membrane, splash proof
- Display: Backlit LCD
- Suitable Vials Round Cuvettes 24 mm
- Interfaces Micro-USB
- Internal Storage: internal ring memory for minimum 100 data sets
- Power Supply: 9 V-block
- Auto – OFF Yes
- Measuring Principle: Nephelometric (90° scattered light)
- Measuring Range: 0.01-1100 NTU (Auto-range)
- Clock: Real Time Clock and Date
- Portability: Portable
- Environmental Conditions: 5 - 40 °C at 30 - 90 % relative humidity (non condensing)
- Weight: less than 500 g (Basic unit)

TENDER ENQUIRY REF: NIPER-G/Equip. 39/ALCIS/2021-22 DATED 05/03/2022

Equipment No. 39	Equipment Name: Automated Live Cell Imaging Device	01 no.	EMD: NA
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Specifications:

- Automated Live Cell Imaging device that can be placed inside any cell culture incubator. This device should enable cell culture and live cell imaging simultaneously.
- Unit Dimensions should Not be more than 134 x91 x 110mm(L x W x H) and Weight below 0.6KG
- The device should fit in any rack of an incubator of an approximate height of less than 17mm.
- Optics of the Imaging device should have both Bright field and digital phase contrast
- Magnification should be 10x fixed Objective with digital zoom to 20X
- Light Source preferably should be LED with minimum 5MP CMOS Camera.
- Image size should be 1280 x 720 pixels and field of view should be 2.4 x 1.5 mm.
- Experimental recording interval rate should be between 5 -50minutes
- Imaging device should be able to accommodate Culture vessels including Flasks, Well plates, Petri dishes, slides, micro fluidic and custom made culture contraptions.
- System should be provided wherein all the scans are uploaded to Cloud for storage and processing. This storage should also ensure data security, improved accessibility and increased work flexibility.
- Cloud Storage should be flexible in accessing data from anywhere at any time.
- Operating conditions should be : 5-40 Deg C and 20-95%humidity
- Image analysis algorithms for confluence, scratch assay, single cell tracking and morphology should being cluded.
- Live Cell Imaging device should not require calibration by user for operation.
- External Tab / Lap top should be provided along with Cell Imaging device which should have USB provision.
- Instrument should come with 1 Year Warranty.

TENDER ENQUIRY REF: NIPER-G/Equip. 40/Mag. Stirrer/2021-22 DATED 05/03/2022

Equipment No. 40	Equipment Name: Magnetic Stirrer with heating function	03 nos.	EMD: NA
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Specifications:

- Top Plate: Chemical resistant glass Ceramic
- Max Capacity: 5L or better
- Temperature Range: up to 520°C or better
- Stirring Range: up to 1500 rpm or better
- Independent display for RPM & Temperature
- Includes stirring bars 5 sets each (2x6 and 3x10 mm), support rods and clamps, and external temperature probe.

- Warranty : Up to 3 years

TENDER ENQUIRY REF: NIPER-G/Equip. 41/IFM/2021-22 DATED 05/03/2022

Equipment No. 41	Equipment Name: Ice Flake Machine	01 no.	EMD: NA
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Specifications:

- **Description:** A Compact Ice flake machine for laboratory purpose.
- Ice Type: Granular Flakes
- Production / Day: 90Kg or Better
- In-build Storage: 19kg or Better
- Cooling system: Air cooled
- Refrigerant: Environmental Friendly
- Construction: Stainless steel Body and Insulated Ice bin.
- Control system: Automatic and Auto stop and start function.
- Power Rating: As per Indian Standard
- Noise: Low or noiseless operation
- Installation: Supplier shall be responsible for Installation and Demonstration
- Warranty: 1 Year or more

TENDER ENQUIRY REF: NIPER-G/Equip. 42/HEC/2021-22 DATED 05/03/2022

Equipment No. 42	Equipment Name: Horizontal Electrophoresis Cell, 15x15cm tray, with basic power supply and gel caster	01 no.	EMD: NA
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Specifications:

Sub-Cell GT Horizontal Electrophoresis Cell: minimum 15 x 15 cm tray, with PowerPac Basic Power

Supply and gel caster

- Expand the Sub-Cell's capabilities using other tray lengths: 10, 20, and 25 cm
- View the Sub-Cell GT Comb Selection Guide for compatible gel combs
- Includes gel caster for tape-free gel casting
- Includes PowerPac Basic Power Supply
- Add our Certified DNA Grade Agarose for gel casting needs
- Buffer tank Lid with cables : 15 x 15 cm tray
- Leveling bubble: 15- and 20-well combs
- Gel caster
- PowerPac Basic Power Supply

TENDER ENQUIRY REF: NIPER-G/Equip. 43/HPMS/2021-22 DATED 05/03/2022

Equipment No. 43	Equipment Name: Hot Plate Magnetic Stirrer with temperature sensor	08 nos.	EMD: NA
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Specifications:

- Speed, max.: 1,400 rpm or better
- Speed accuracy: $\pm 2\%$ or better
- Display: Digital
- Heating power: 800W
- Hot Plate temp. range: 20-300 °C
- Medium temp. Max.: 250 °C
- Temp. Accuracy with: ± 1 °C or better

External temperature sensor

- Safety circuit hotplate: 25 °C over hotplate temperature
- Stirring capacity, max.: 20L or better
- Load capacity, max.: 25Kg or better
- Plate diameter: 145mm
- Weight: 2.6Kg
- Power supply: 230V / 50Hz
- External temperature sensor: Pt 1000
- Sensor breakage protection: With Pt 1000
- Power consumption: 820 W
- Dimensions (w/d/h): 173 x 277 x 94
- Temperature accuracy hotplate: ± 5 °C
- Temperature control: Micro controller
- Operating Mode: continuous
- Warranty: minimum 3 years
- Permissible ambient conditions: 5 - 31 °C at 80% relative humidity 32 - 40 °C decreasing linearly up to max. 50% relative humidity
- Drive: EC-motor

The reaction plate of the system must be of ceramic coating, which makes the plate resistant to chemicals/solvents etc. and very fast heating time.

It should control heating function clearly recognized by visual indicator (illumination) and also prevent unintentional heating.

It must be equipped within dependent second safety switch to protect unintentional temp rise and fire resistance (protection class DIN EN 60529 IP 32).

The model should be equipped with a visual residual heat indicator to prevent burns, for safety reasons, the device is switched off completely in the event of a short circuit, broken sensor of the temperature controller, defective motor and in the event of a processor fault.

During reaction or mixing, to prevent any splashing, the mixing speed ramps up slowly until it has reached the desired value. The system should be capable of prevent damage even at the highest temperatures – systems are equipped with a fire-resistant die-cast housing, the built-in PID controller may guarantee precise control without overshooting the temperature.

There should be a provision of automatic restart, for example, in case of power cut, the stirring and heating will be restarted automatically following all the settings parameters after the power connection is back.

The safety circuit should switch off heating when the temperature sensor is not immersed into the media vessel in order to protect the sample from overheating.

Five suitable support stands plus clamp should be supplied.

TENDER ENQUIRY REF: NIPER-G/Equip. 44/WB/2021-22 DATED 05/03/2022

Equipment No. 44	Equipment Name: Water Bath	01 no.	EMD: NA
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Specifications:

- Setting temperature range: +10 to +100 °C and boiling stage
- Working temperature range in °C; min. 5 above ambient up to +100 °C with additional boiling mode
- Resolution of display and setting accuracy: 0,1°C up to+99,9°C / 1°C from 100°C
- Controller: digital display (LED) of all set parameters, such as temperature and alarm values (0,1°C resolution) as well as time values
- Timer: digital timer from 1 min. up to 999 hours for: ON (continuous operation), DELAYED ON, HOLD or HOLD
- set-temperature dependent with guaranteed holding time
- Calibration: on controller
- Temperature sensor: 2 Pt100 sensors Class A in 4-wire-circuit, mutually monitoring and taking over the performance at the same temperature value
- Temperature control: mechanical temperature limiter TB protection class 1 switching the heating off at approx. 30°C above max. temperature of the bath
- Temperature control: independently working electronic over temperature controller TWW protection class 3.1 or Over temperature limiter TWB protection class 2, adjustable in set-up menu by customer
- Temperature control: in case of over temperature due to failure, the heating is switched off at approx. 10°C above the set temperature (fixed value)
- Auto diagnostic system: fuzzy-supported PID microprocessor controller with integrated auto diagnostic system with fault indication 94,276.00 1 94,276.00
- Alarm: visual and acoustic alarm at programme end and as input acknowledgement as well as in case of low liquid level, heating is switched off automatically
- Heating Baths: corrosion-proof large-area heating on three sides
- Dimensions W x H x D in mm w(A) x h(C) x d(B): 240 x 140 x 210 mm
- Interior: easy-to-clean interior, made of stainless steel, reinforced by deep drawn ribbing, material no. 1.4301
- Volume: 7-10 L
- Liquid level min.: 97-100 mm
- Liquid level max.: 100-120 mm
- Dimensions: w(D) x h(G) x d(E): 468 x 337 x 356 mm
- Voltage: 230 V, 50/60 Hz
- Electrical load: approx. 1200 W (during heating)
- Humidity rh max.: 80 %, non-condensing

- Overvoltage category: II
- Pollution degree: 2

TENDER ENQUIRY REF: NIPER-G/Equip. 45/VS/2021-22 DATED 05/03/2022

Equipment No. 45	Equipment Name: Vortex Shaker	02 nos.	EMD: NA
<p><u>Specifications:</u></p> <ul style="list-style-type: none"> • Speed: 2500 rpm or better • Orbit: 4.2mm or better • Action type: Touch and continuous modes • Included: 1 rubber cup & plastic adapter • Max. Load: 1 kg or better • Power Supply: 220 / 230 Volts 50 Hz • Optional Accessories <ul style="list-style-type: none"> -Plate adapter with rubber disc - Plain adapter foam - Foam with 96X0.2 well - Foam with 12mm well - Foam with different well • Warranty: Min 3 years on the complete instrument or its parts 			

TENDER ENQUIRY REF: NIPER-G/Equip. 46/ACCS/2021-22 DATED 05/03/2022

Equipment No. 46	Equipment Name: Automatic Cell counting system	01 no.	EMD: NA
<p><u>Specifications:</u></p> <ul style="list-style-type: none"> • Cell Counting Time: <30 seconds • Fluorescence module: The provision for fluorescence modules can be quoted as optional. • Output Information: Total/live/dead cell concentration, Total/live/dead cell number, Viability, Average cell size • Cell concentration range, cells/ml: $5 \times 10^4 - 1 \times 10^7$ • Required sample volume: 10 μL • USB drive: : 32 GB (FAT32-, ex FAT-, or NTSF-compatible) • Data export: Via USB flash drive • Adjustable Parameters: Size, roundness, dilution factor, noise reduction, de-clustering • Printer & Desktop connectivity: A provision for the connection for printer will be required. A dedicated desktop computer with the pre-installed compatible software is to be provided. • Dilution calculator: Yes • Dimensions (W \times D \times H): 195 mm \times 237 mm \times 272 mm (7.7 in. \times 9.3 in. \times 10.7 in.)approx. • Image of cells available: Yes (Most common magnifications), Brightfield or 			

fluorescence

- Data storage, counts: 100- 1000
- Warranty: Min 3-5 years on the complete instruments or its parts

TENDER ENQUIRY REF: NIPER-G/Equip. 47/DR/2021-22 DATED 05/03/2022

Equipment No. 47	Equipment Name: 3D Digital Rocker	01 no.	EMD: NA
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Specifications:

- Movement mode: tumbling
- Tolerable shaking weight (incl. attachment); Min 2 kg or more
- Permissible ON time: 100 %
- Speed min (adjustable): 10 rpm (or possibly minimum rpm)
- Speed range: 0 - 80 rpm or better
- Speed display: LED
- Speed control: 2 RPM steps or better
- Timer: yes
- Operating mode: timer and continuous operation
- Tumbling angle adjustable: 0 - 15 °
- Shaking platform stackable: yes
- Weight: Less than 3kg
- Permissible ambient temperature: 4 - 50 °C
- Permissible relative humidity: 80 %
- Voltage: 100 - 240 V
- Current consumption: 1000 mA or better
- Warranty: Min 3 years on the complete instruments or its parts

NOTE: THE TERMS AND CONDITIONS OF THE TENDER ARE GIVEN BELOW WHICH ARE APPLICABLE FOR ALL 47 TENDER ENQUIRIES.

Part-A

- Each complete set of bidding document may be downloaded by any interested bidder from the NIPER-Guwahati website <http://niperguwahati.ac.in> or from CPP Portal <https://eprocure.gov.in/epublish/app> free of cost.

Critical Date Sheet

1.	Date of publication of the Tender Document	5 th March, 2022
2.	Starting date of downloading of Tender Document for each equipment	5 th March, 2022
3.	Ending Date of Bid Submission for each equipment	21 st March, 2022 up to 11:00am
4.	Opening Date of all the Bids	21 st March, 2022 at 12:00 noon

- The bids **FOR EACH EQUIPMENT IN SEPARATE SEALED COVERS** must reach this office on or before 21st March, 2022 up to 11:00am and shall be opened on the same day at 12:00 noon.
- The Director, NIPER-Guwahati reserves the right to accept or reject any or all tenders either in part or in full or to split the order without assigning any reasons thereof.

Part-B

GENERAL TERMS & CONDITIONS

IMPORTANT POINTS TO BE NOTED BY THE BIDDERS.

- Rates offered for all items in a single quotation are liable for rejection.
 - **Please submit quotation for each item in a separate sealed cover super-scribing the tender reference no., equipment no. and name of equipment etc.**
 - Following points will be considered for short listing the eligible suppliers:
 - The suppliers with sound customer base.
 - After sales service facilities available at Guwahati.
 - Credentials of the product offered.
 - Please provide breakup cost for 3-years warranty offered. The cost towards second year and third year warranty will be paid at the end of successful completion of warranty obligations for that particular year.
1. **PRICE:** Please quote your rate on **FOR NIPER-Guwahati (ALL INCLUSIVE COST)** basis.
 2. **DELIVERY:** The ordered material(s) is/are required urgently and hence, kindly specify the shortest possible delivery schedule. The bidders are expected to quote free delivery at NIPER-Guwahati. Price which includes components like packing, freight, forwarding, and delivering the same in good condition at NIPER-Guwahati. The bids which do not confirm to the above condition are liable for rejection. The contractual obligations are treated as completed only when all the ordered items are handed over to the institute in ready to use condition and installed and accepted by the user department.

3. **VALIDITY:** Bidders should note that their offer should be valid for at least 03(three) months from the date of opening of the quotations.
4. **PLEASE ENSURE SUBMISSION OF FOLLOWING DOCUMENTS WITH BID:**
- a) Quotation with rates, detailed terms and conditions. Authorization certificate should be submitted by the authorized dealer/distributor.
 - b) Detailed Technical specification for each item for which quotation is submitted. Highlight the technical specialties of the item.
 - c) Printed technical Literature/Leaflets of the item/Brochure wherever available.
 - d) Provide company profile and brief note indicating your experience in manufacturing/supplying such items.
 - e) Detailed customer list with addresses, Phone number, E-mail, etc, and name of contact person.
 - f) Copies of purchase orders executed for similar items to various Govt. Department/Educational Institutions like IITs, IIITs, NITs, NIPERs, etc.
 - g) **A detailed point wise technical compliance/deviation statement to be provided enabling user department to have clear idea of technical compliance of offer submitted.**
 - h) **WARRANTY:**
 - As mentioned in the specifications.
 - The Supplier warrants that all the Goods are new, unused, and of the most recent or current models, and that they incorporate all recent improvements in design and materials, unless provided otherwise in the Contract.
 - The Supplier further warrants that the Goods shall be free from defects arising from any act or omission of the Supplier or arising from design, materials, and workmanship, under normal use in the conditions prevailing in India.
 - The bidder shall assure the supply of spare parts after warranty is over for maintenance of the items supplied if and when required for a period of 10 years from the date of supply of the same on payment on approved price list basis.
 - The items must be supported by a Service Centre manned by the vendor's technical support engineers. The support through this Centre must be available 24 hours in a day, seven days a week and 365 days a year. Also it should be possible to contact the vendor support Centre on a toll free number/web/mail.
 - An undertaking from the supplier is required in this regard stating that they would facilitate the institute with technology / product updates.
 - Supplier will have to arrange for all the testing equipment & tools required for installation, testing & maintenance etc.
 - The supplier must have a local logistics support by maintaining a local spares depot. This is to ensure immediate delivery of spares parts from the supplier of items to the institute.
 - The Purchaser shall give notice to the Supplier stating the nature of any such defects together with all available evidence thereof, promptly following the discovery thereof. The Purchaser shall provide all reasonable opportunity for the Supplier to inspect such defects.
 - Upon receipt of such notice, the Supplier shall, within a reasonable period of time, expeditiously repair or replace the defective Goods or parts thereof, at no cost to the Purchaser.
 - If having been notified, the supplier fails to remedy the defect within a reasonable period of time; the Purchaser may proceed to take within a reasonable period such remedial action as may be necessary, at the Supplier's risk and expense and without prejudice to any other rights which the Purchaser may have against the Supplier under the Contract.

- In case the Equipment / System remains non-operational or performs below the desired level for more than 1week after intimation of the fault in the Equipment/System then Warranty period shall be extended for further period for which Equipment / System remained non-operational or performed below the desired level, without prejudice to any other terms and conditions of the Contract.
 - The defects, if any, during the warranty period are to be rectified free of charge by arranging free replacement wherever necessary.
6. This institute is registered with Dept. of Scientific & Industrial Research (DSIR), Govt. of India and concessional customs duty and GST & IGST are leviable vide notification no. 54/2002-Customs on all imports covered under notificationNo.51/96-Customs dated 23.07.1996, Notification No.47/2017-Integrated Tax(Rate) and Notification No.45/2017-Central Tax (Rate) both dated 14thNovember, 2017.
 7. TDS would be recovered as per rules in case of Fabrication/ Servicing/Maintenance jobs/Installation charges etc.
 8. **APPLICABLE LAW:**
 - The purchase shall be governed by the laws and procedures established by Govt. of India, within the framework of applicable legislation and enactment made from time to time concerning such commercial dealings/processing.
 - All disputes are subject to exclusive jurisdiction of Competent Court and Forum in Guwahati, India only.
 - Any dispute arising out of this purchase shall be referred to the Director, NIPER-Guwahati and if either of the parties hereto is dissatisfied with the decision, the dispute shall be referred to an Arbitrator for resolution which shall be final and binding on both the parties.
 9. **PAYMENT TERMS:** Through bank transfer after receipt, successful installation and commissioning of the ordered item(s) and submission of Performance Security.
 10. **DATE & TIME OF SUBMISSION:** This is a SINGLE BID TENDER, hence, the techno-commercial bid must be submitted in sealed envelopes mentioning Tender Reference No., Equipment Number and Name, Due Date of Opening and Name and Address of the Bidder. The envelope should be addressed to the *Director, National Institute of Pharmaceutical Education and Research (NIPER)-Guwahati, SilaKatamur, Halugurisuk, Changsari, Kamrup, Assam-781101, INDIA*. The tender should reach this institute **on or before 21st March, 2022** up to 11:00am and will be opened on the same day at 12:00noon. Bids received after the due date and time will not be entertained.

The bidders must submit separate envelopes for each equipment quoted. PLEASE DO NOT FORGET TO INDICATE TENDER ENQUIRY REFERENCE AND DATE AND THE EQUIPMENT NO.

The envelope format is given below:

<p>Tender Reference No. (Equipment No. Equipment Name, Date of Opening)</p> <p style="text-align: center;">To</p> <p style="text-align: center;">Director, National Institute of Pharmaceutical Education and Research (NIPER)-Guwahati, SilaKatamur, Halugurisuk, Changsari, Kamrup, Assam-781101, INDIA.</p> <p>From: (Bidders Name and Address)</p>
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11. LOCATIONS FOR THE SUPPLY: The bidders may note that the items covered by this document are required to be supplied and installed at:

**NIPER-Guwahati,
SilaKatamur, Halugurisuk,
Changsari, Kamrup, Assam-781101.**

NIPER-G will not provide any accommodation/transportation for the engineers/representatives for attending installation, commissioning and demonstration work. It is the absolute responsibility of the principal supplier/agent to make their own arrangements.

- 12. PERFORMANCE SECURITY (IF APPLICABLE):** A performance security against the warranty period equivalent to 3% of the total order value will have to be furnished by the selected supplier (if mentioned in the PO) in the form of Payee Demand Draft / Fixed Deposit / Bank Guarantee, in favour of “**Director, NIPER-Guwahati**” issued by a Commercial Bank within 21 days from the date of installation of the ordered item (s). The performance security shall remain valid for the warranty period starting from the date of installation plus additional 60 days of the claim period for the institute.
- 13. ACCEPTANCE & REJECTION:** The acceptance of the quotation will rest with the Director, NIPER-Guwahati, who does not bind himself to accept the lowest quotation and reserves the right to himself to reject or accept, partially or all the quotations received, without assigning any reason. The Director, NIPER-Guwahati further reserves the right to withdraw the tender or part thereof or modify the requirements without assigning any reason and the right to relax any of the conditions in the best interest of the Institution.
- 14. FREIGHT AND INSURANCE:** The items to be supplied will be insured by the vendor at his own cost against all risks of loss or damage from the date of shipment till such time it is delivered at NIPER-Guwahati.
- 15. PENALTY CLAUSE:** A penalty equivalent to 1% of the order value per week of delay beyond the stipulated delivery period subject to a maximum of 10% penalty is chargeable. The supply order will be liable for instant cancellation beyond permissible delay.

Bidders are expected to provide a certificate that all the terms and conditions of enquiry are accepted.

Part-C

Standard Forms (to be enclosed with the bid)

1. Manufacturer’s Authorization Form : Annexure-I
2. OEM Form: Annexure-II
3. Price Schedule for goods being offered from India: Annexure-III
4. Compliance/Deviation Statement Form: Annexure-IV
5. Performance Security Form: Annexure- V

Annexure-I

MANUFACTURER'S AUTHORIZATION FORM

[The Bidder shall require the Manufacturer to fill in this Form in accordance with the instructions indicated. This letter of authorization should be on the letterhead of the Manufacturer and should be signed by a person with the proper authority to sign documents that are binding on the Manufacturer.]

Date: *[insert date (as day, month and year) of Bid Submission]*

Tender No.: *[insert number from Invitation For*

Bids] To: [insert complete name and address of

Purchaser] WHEREAS

We *[insert complete name of Manufacturer]*, who are official manufacturers of *[insert type of goods manufactured]*, having factories at *[insert full address of Manufacturer's factories]*, do hereby authorize *[insert complete name of Bidder]* to submit a bid the purpose of which is to provide the following Goods, manufactured by us *[insert name and or brief description of the Goods]*, and to subsequently negotiate and sign the Contract.

We hereby extend our full guarantee and warranty in accordance with Clause 21 of the General Conditions of Contract, with respect to the Goods offered by the above firm.

Signed: *[insert signature(s) of authorized representative(s) of the Manufacturer]* Name: *[insert complete name(s) of authorized representative(s) of the Manufacturer]* Title: *[insert title]*

Duly authorized to sign this Authorization on behalf of: *[insert complete name of Bidder]*

Dated on _____ day of _____, _____ *[insert date of signing]*

Annexure-II

OEM Form

(To be Printed on Company's Letter Head)

To

The Director

National Institute of Pharmaceutical Educational Research- Guwahati

Ref: Bid Reference

We,, who are proven and reputable Manufacturer/of (Name and description of the goods offered in the Bid) having factories/office at..... to submit a Bid, against your requirement as contained in the above referred Bidding Documents for the above goods manufactured by us. We further confirm that no supplier or firm or individual is authorized to submit a Bid, against your requirement as contained in the above referred Bidding Documents for the above goods manufactured by us.

We also hereby extend our full warranty of _____ from acceptance of goods by Purchaser as per Clause 4.21 of General Terms & Conditions of contract. We further confirm that we shall continue to supply spare parts, for 03 years after guarantee/warranty.

Yours faithfully, [Signature with date, name and designation

Annexure-III

PRICE SCHEDULE FOR GOODS

Name of the Bidder ...

Tender No. ...

1	2	3	4	5	6	7	8	9	10	11
Sl. No.	Item Description	Country of origin	Unit	Qty.	Unit Price	GST (In Rs.), if applicable	Packing & forwarding & Transportation, Insurance and all other charges up to station of dispatch, If any	Installation, commissioning and training charges, if any	Total All inclusion comparable cost. Price (6+7+8+9)	AMC for 4 and 5 years shall be quoted in percentage of the total value

Total Bid price in Rs..... (Rupees in words).....

Signature of Bidder _____

Name and seal. _____

Business Address _____

Note:

- (a) The cost of optional items shall be indicated separately.
- (b) Cost of Spares, if any _____

FINAL TOTAL (ALL INCLUSIVE) NIPER-GUWAHATI LANDED COST FOR COMPARISON WITH OTHER COMPETITIVE BIDS (INR).....

Optional quote for AMC:

- 1st year after warranty: Rs. (in words)
- 2nd year after warranty: Rs. (in words)
- 3rd year after warranty: Rs. (in words)

Annexure-IV

Compliance/Deviation Form

The following are the particulars of deviations from the requirements of the tender specifications:

Sl. No.	Name of Specifications / Parts / Accessories of Tender Enquiry	Specifications of Quote Model / Part / Accessory	Compliance Whether Yes or No	Deviation, if any to be indicated in unambiguous terms (The compliance / Deviation should be supported by relevant Technical Literature)	Technical Justification for the Deviation, if any. If specification is superior / inferior than asked for in the enquiry, it should be clearly brought out in the justification

Signature of Bidder

- ❖ If the bidder offers more than one model, then the Compliance Statement must be enclosed for each and every model separately.
- ❖ The technical and commercial deviations should be indicated separately.
- ❖ If the bidder fails to enclose the compliance statement, his bid is likely to be rejected.

Place:

Date:

Signature and seal of the Manufacturer/Bidder

Note: Where there is no deviation, the statement should be returned duly signed with an endorsement indicating “No Deviations”.

Annexure-V

Performance Security Form

MODEL BANK GUARANTEE FORMAT FOR PERFORMANCE SECURITY

To

Whereas.....

(name and address of the supplier) (herein after called “the supplier”) has undertaken, in pursuance of contract no.....datedto supply (description of goods and services) (herein after called “the contract”).

AND WHEREAS it has been stipulated by you in the said contract that the supplier shall furnish you with a bank guarantee by a scheduled commercial bank recognized by you for the sum specified therein as security for compliance with its obligations in accordance with the contract;

AND WHEREAS we have agreed to give the supplier such a bank guarantee;

NOW THEREFORE we hereby affirm that we are guarantors and responsible to you, on behalf of the supplier, up to a total of (amount of the guarantee in words and figures), and we undertake to pay you, upon your first written demand declaring the supplier to be in default under the contract and without cavil or argument, any sum or sums within the limits of (amount of guarantee) as aforesaid, without your needing to prove or to show grounds or reasons for your demand or the sum specified therein.

We hereby waive the necessity of your demanding the said debt from the supplier before presenting us with the demand.

We further agree that no change or addition to or other modification of the terms of the contract to be performed there under or of any of the contract documents which may be made between you and the supplier shall in any way release us from any liability under this guarantee and we hereby waive notice of any such change, addition or modification.

This guarantee shall be valid until the day of, 20.....

(Signature of the authorized officer of the Bank)

..... Name and designation of the officer

Seal, name & address of the Bank and address of the Branch

Note: The Bank Guarantee issued by the bank must be routed through SFMS platform as per following details:

1. MT 760/MT 760COV for issuance of Bank Guarantee.

2. MT 760/MT 767COV for amendment of Bank Guarantee.

The above message/ intimation shall be sent through SFMS (indicating the contract number) by the Bank Guarantee issuing bank branch to HDFC Bank, Adabari Branch; IFSC- HDFC0009310; Swift code- HDFCINBBCAL; Branch Address- Adabari Tiniali; UN Enclave, Guwahati-781012."

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