NOTICE INVITING TENDER

The Admn Officer, AIIMS Bhopal, on behalf of Director, AIIMS Bhopal, invites sealed tender on “TWO BIDS (TECHNICAL & FINANCIAL) SYSTEM” in prescribed tender forms from Manufacturing Company or Authorized Distributor or Authorized Dealer for Supply, Installation and Commissioning of Equipment required in PHARMACOLOGY Department at Medical College, AIIMS Bhopal.

Detailed Description and Term & Conditions of Tender Document may be seen and downloaded from AIIMS Bhopal website www.aiimsbhopal.edu.in or may be obtained directly from the Office of Store Officer, 1st Floor, E-Wing, Medical College Building, AIIMS Bhopal, Saket Nagar, Bhopal-462024 (MP) on any working day from 28th August 2013 to 18th Sept 2013 from 10.00 Hrs to 17.00 Hrs on payment of Tender Document Cost Rs. 2100/- (Non Refundable) including VAT@5% in the form of DD/Banker’s Cheque from any Nationalized Scheduled Bank in favour of “Director, AIIMS Bhopal”). Last date of submission of tenders is 19th Sept 2013 (Upto 14.00Hrs) in the Tender Box Kept in the Office of Store Officer at AIIMS Bhopal.

Admn Officer

~ 0 ~
Tender No.:
AIIMS BHOPAL/STORE/MED COLLEGE/FMT/EQUIPMENT/ 2013-14/01
Dated 28.08.2013

Name of work:
Supply, Installation and Commissioning of Equipment in Pharmacology Department, Medical College of AIIMS BHOPAL.

COST OF TENDER FORM : Rs. 2100/-
(Rupees Twenty One Hundred Only)
Non-Refundable inclusive of @5%VAT

EARNEST MONEY DEPOSIT : Rs. 50,000/-
(Rupees Fifty Thousand only)
Non-Interest Bearing
ALL INDIA INSTITUTE OF MEDICAL SCIENCES BHOPAL  
Saket Nagar, Bhopal-462024 (M.P.)

Tender No.: AIIMS BHOPAL/STORE/MED COLLEGE/PHARMACOLOGY/EQUIPMENT/13-14/01  
Dated 28.08.2013

Schedule of Tender

Tender for Supply, Installation and Commissioning of Equipment in Pharmacology Department, Medical College of AIIMS BHOPAL.

<table>
<thead>
<tr>
<th>Sr No</th>
<th>Schedule</th>
<th>Particulars</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Cost of Tender Form (Non-Refundable) inclusive VAT@5%</td>
<td>Rs. 2100/-</td>
</tr>
<tr>
<td>2</td>
<td>Start Date for Sale of Tender</td>
<td>28th August 2013; 10.00 to 17.00 Hrs. on each working day</td>
</tr>
<tr>
<td>3</td>
<td>Last Date for Sale of Tender</td>
<td>18th Sept 2013</td>
</tr>
<tr>
<td>4</td>
<td>Date, Time &amp; Venue for Pre Bid Conference</td>
<td>10th Sept 2013; 15.00 Hrs. at 1st Floor, Board Room, Medical College, AIIMS Bhopal, Saket Nagar Bhopal.</td>
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<tr>
<td>5</td>
<td>Date for Submission for Tender</td>
<td>19th Sept 2013; 14.30 Hrs.</td>
</tr>
<tr>
<td>6</td>
<td>Date for Opening of Technical Bid</td>
<td>19th Sept 2013; 15.00 Hrs.</td>
</tr>
<tr>
<td>7</td>
<td>Earnest Money Deposit (Bankers Cheque/DD(non-Interest Bearing)/FDR in favour of “Director, AIIMS Bhopal”</td>
<td>Rs 50,000/-</td>
</tr>
</tbody>
</table>

Note:-
1. The details of tender terms & conditions are mentioned in Tender Form.
2. Tender Form can be purchased from Office of Store Officer, AIIMS Bhopal by paying Cost of Bid Document of Rs.2100/- (Non Refundable) inclusive of VAT@5% through Banker’s Cheque/ Demand Draft of any Scheduled National Bank drawn in favour of “DIRECTOR, AIIMS, BHOPAL” payable at BHOPAL or downloaded from website www.aiimsbhopal.edu.in. (The bid document consisting of specifications, the schedule of
quantities of equipment to be supplied and installed set of terms and conditions of the contract to be complied with and other necessary documents). Those who download the tender document from website should enclose a DD of Rs. 2100/-, along with their tender bid as a cost of Tender Form (NON-REFUNDABLE) INCLUSIVE OF VAT@5% BY WAY OF SEPARATE DEMAND DRAFTDRAWN IN FAVOUR OF “DIRECTOR, AIIMS BHOPAL” AND THE SAME SHOULD ESSENTIALLY BE ENCLOSED ALONG WITH THE TECHNICAL BID. THE BIDDERS SHOULD SPECIFICALLY SUPERSCRIBE, “DOWNLOADED FROM THE WEBSITE” ON THE TOLEFT CORNER OF THE OUTER ENVELOPE CONTAINING TECHNICAL BID & PRICE BID SEPARATELY. IN NO CASE, THE TENDER COST FEE SHOULD BE MIXED WITH EMD AMOUNT. THE TENDERS NOT FOLLOWING THE ABOVE PROCEDURE WILL BE SUMMARILY REJECTED.

2. The Director, AIIMS Bhopal reserves the right to reject any or all tenders without assigning any reasons whatsoever.

3. For detailed notice & Eligibility Criteria the website www.aiimsbhopal.edu.in may be seen.

Enclosed: General Terms & Conditions, Annexure I to VII

( Admn Officer )
AIIMS Bhopal

Copy to:
1. The Director, AIIMS, Bhopal
2. The Financial Adviser/Dy. Director (Admn)/HOD, Pharmacology Deptt./Store Officer, AIIMS, Bhopal
3. Notice Board for wider publicity to local vendors
4. IT Head, AIIMS Bhopal with request for uploading this NIT on AIIMS Bhopal website www.aiimsbhopal.edu.in, www.aiimsbhopal.nic.in and CPP Portal www.eprocuregov.in for wider publicity.

~ 3 ~
General Terms & Conditions

Taxes, Terms and conditions for supply should invariably be indicated otherwise would be taken on its face value. The rates may be quoted on Financial Bid sheet and kept in separate envelope failing which the tender(s) will be rejected.

1. Mixed quotations will not be considered for acceptance.

2. TENDER SHOULD BE SUBMITTED IN TWO BID SYSTEM CONTAINING TWO PARTS AS DETAILED BELOW

   PART-I:-TECHNICAL BID IN ONE SEALED COVER ALONG WITH E.M.D./BIDSECURITY.
   PART-II:- PRICE BID/FINANCIAL BID IN ONE SEALED COVER.

   BOTH SEALED ENVELOPES SHOULD THEN BE PUT IN ONE OUTER COVER SUPERSCRIBING THEREON:

   a. Reference No. of the Tender __________________________________________________________
   b. Tender regarding _________________________________________________________________
   c. Due date for submission of the tender : ____________________________________________
   d. Due date for opening of the tender _______________________________________________
   e. Name of the firm _________________________________________________________________

   Please note that prices should not be indicated in the Technical bid. The pre-qualification documents including E.M.D./ Bid security as required in the tender document should invariably accompany the Technical bid.

   NOTE:- TENDERS SUBMITTED WITHOUT FOLLOWING TWO BID SYSTEM PROCEDURE AS MENTIONED ABOVE WILL BE SUMMARILY REJECTED.

3. The tenderers should give rates, showing taxes, if any, and levies, packing forwarding and transit insurance charges separately giving full breakup details. Tender not confirming to this requirement shall be rejected and no correspondence will be entertained whatsoever.

4. IN CASE OF IMPORT THE TENDERERS ARE REQUIRED TO QUOTE FOB & CIF VALUE SEPARATELY DULY MENTIONING THE BREAK-UP DETAILS FOR FREIGHT & INSURANCE. THIS CONDITION SHOULD BE STRICTLY ADHERED TO, FAILING WHICH THEIR OFFER WILL BE SUMMARILY REJECTED.

5. THIS TENDER DOCUMENT IS NON-TRANSFERABLE and should be submitted only by the same party in whose name it has been issued/sold/downloaded from AIIMS Bhopal websites.

6. The bid document should be paged and a certificate may be provided on the covering letter indicating the number of pages submitted along with the bid. And for compliance the Certificate should be duly signed and stamped as per the format given in “Annexure-V(A)”.

7. The compliance report of specification should invariably be provided indicating the fulfilment of each parameter of the specifications failing which the offer will be rejected.

8. The checklist may be furnished properly and page No. may be mentioned against each Serial Number.
9. The Tender forms be clearly filled in ink legibly or type written giving full address of the tenderers. **The tenderers should quote in figures as well as in words** the rates amount tendered by him/them. Any discrepancy between the figures and words, the amount written in words will prevail. Alterations/overwriting, unless legibly attested by the tenderer, shall disqualify the tenders. The tenders should be signed by the tenderer himself/themselves or his/their authorized agent on his/their behalf (Authorization may be enclosed, if applicable).

10. THE UNDERTAKING (ANNEXURE-IV DULY SIGNED SHOULD ININVARIABLY BE FURNISHED/SENT ALONGWITH QUOTATIONS FURNISHED, FAILING WHICH THE TENDER SHALL BE REJECTED OUTRIGHTLY.

11. The tenderers should take care that the rates and amounts are written in such a way that interpolation is not possible, no blanks should be left which would otherwise, make the tender redundant.

12. The tenderers shall clarify/state whether he/they are manufacturer, accredited agent or sole representative indicating principal manufacturer’s name & address. The offers of firms who are not manufacturer or direct authorized agent will be summarily rejected. Sub-distributorship will not be accepted. The authorization shall be given in the format mentioned in “Annexure-V(B)”. 

13. Delivery prospects with definite date of delivery at destination taking into cognizance transit facilities must be indicated.

14. EACH TENDER SHOULD BE ACCOMPANIED WITH AN EMD/BID SECURITY AMOUNTING TO Rs. Fifty Thousand Only (Rs. 50,000/-) SHOULD BE VALID FOR 6 MONTHS FROM THE DATE OF TECHNICAL BID OPENINGBY WAY OF Banker’s Cheque/ Demand Draft (Non Interest Bearing) /FDR of any scheduled Nationalized Bank DRAWN IN FAVOUR OF “DIRECTOR, AIIMS BHOPAL”, FAILING WHICH THE TENDER SHALL NOT BE CONSIDERED FOR ACCEPTANCE AND WILL BE OUTRIGHTLY REJECTED. CASH/CHEQUEISNOT ACCEPTABLE AT ALL. THE EMD/BID SECURITY DEPOSITED AGAINST OTHERTENDERS CANNOT BE ADJUSTED OR CONSIDERED FOR THIS TENDER. NO INTEREST ISPAYABLE ON EMD/BID SECURITY.

15. In case of non-supply of items within the due date i.e. within the date of delivery, the Director, AIIMS, Bhopal will have the right to impose penalty @1% per week and subject to maximum @5% of the total Cost of the work, as deemed fit, to resort to risk purchase in full or part thereof at his/her discretion, his/her decision shall be final and binding.

16. Tenderer should ensure that the Equipment supplied to AIIMS Bhopal (Specially, which supports Electronic Reporting and Electronic Image/Picture), should be compatible for HL7 (Health Level Seven) and DICOM (Digital Imaging and Communications in Medicine) for Electronic Reporting and Electronic Image/Picture respectively. The necessary certificate copies with such equipment are invariably required to be submitted during supply of such equipment to the AIIMS Bhopal for its strict compliance, without producing requested certificate, the equipment shall not be accepted.

17. The test certificate from approved laboratory must accompany the despatch document failing which goods received will not be inspected and accepted, Test Certificate must Conform to the Specifications as enclosed to Tender Document.

18. Rates quoted should be valid for 3 months from the date of opening of tender. It will be under discretion of the tenderer to increase duration of validity of rates after this period after receiving request from AIIMS Bhopal.

19. THE TENDERERS ARE REQUIRED TO DEPOSIT ORIGINAL CATALOGUE/ LEAFLETS/ BROCHURE /MONOGRAPH /LITERATURE FOR ITEMS QUOTED, CONFORMING TO THE SPECIFICATIONS WITH FULL TECHNICAL DETAILS. OTHERWISE DURING THE TECHNICAL EVALUATION, THEIR BIDS/OFFER CAN BE SUMMARILY REJECTED.
20 The Director, AIIMS Bhopal shall be the final authority to reject full or any part of the supply which is not conforming to the specification and other terms and conditions.

21 No payment shall be made for rejected Stores. Rejected items must be removed by the tenderers within two weeks of the date of rejection at their own cost and replace immediately. In case those are not removed, these will be auctioned at the risk and responsibility of the suppliers without any further notice.

22 Tenderers submitting tenders would be considered to have considered and accepted all the terms and conditions. No enquiries, verbal or written, shall be entertained in respect of acceptance or rejection of the tender.

23 TENDER MAY BE REJECTED IF THE COPY OF VALUE ADDED TAX (VAT) REGISTRATION IS NOT FURNISHED (IF APPLICABLE).

24 The quantity shown in the tender can be increased or decreased either side depending upon the actual requirement at the time of order.

25 Any action on the part of the tenderer to influence anybody in the said Institute will be taken as an offence, he will not be allowed to participate in the tender enquiry and their offer will not be considered.

26 THE TENDERERS MUST QUOTE THEIR MATERIAL STRICTLY AS PER TENDER SPECIFICATIONS.

27 Genuine material should be supplied. Tenderers should indicate the source of supply i.e. name & address of the manufacturers from whom the items are to be imported, country of origin, country of Shipment etc., the manufacturers authorization certificate should accompany in the format given in “Annexure-V(B)”.

28 The quoted material should be of Indian/International standards mentioned in specifications.

29 Supply of material means-supply at the site decided by AIIMS Bhopal. No separate charges will be paid separately on this account.

30 Local agents quoting on behalf of their foreign suppliers must attach valid authority letter in their favour. In case of distributor, the firm should be direct distributor from the principal manufacturers. In case the firm is neither manufacturer nor direct authorized dealer of the manufacturer, such offers will be summarily rejected.

31 The supplier must have at least 03 yrs experience of supplying such goods and shall have average annual turnover of Rs. 50 Lacs. during last three years ending by 31.03.2013. Three years annual accounts duly certified by Chartered Accountant/Company Secretary should be include with Technical Bid for verification.

The supplier shall also furnish a list of organizations where such item, have been supplied during the last three years along with performance certificate from concerned organization.

The Supplier should have executed at least 1 No. of Supply/Purchase Order worth not less than Rs. 20 Lakh or 2 Nos. of Supply/Purchase Orders worth not less than Rs.15 Lakh each or 3 Nos. of Purchase Orders worth not less than Rs. 10 Lakh each for any Govt. Institution/Corporates customers for the supply and installation of similar nature items in the last Three Financial years(2010-2011, 2011-2012 and 2012-2013). Please enclose the relevant Orders copies for necessary reference along with Technical Bid Document.

32 PAYMENT TERMS:- Payment shall be released after the successful delivery of the items and receipt of bill after deducting TDS as per Income Tax Rules and any other deductions as per Government rules. Part payment can be released against supply of part quantity of the Items and their successful installation and commissioning, however the delivery of the entire items shall have to be completed within the stipulated period. 100% PAYMENT WILL BE MADE AFTER SUCCESSFUL SUPPLY, INSTALLATION & COMMISSIONING OF ENTIRE Equipment mentioned in Annexure-I at the
location specified by the Purchaser and Supplier must accompany the certificate from user department for its successful installation and commissioning along with its payment claim in triplicate.

33. **Excise Duty:** It is payable only against the Gate Pass to be attached with despatch documents, payment of ED will be disallowed if the ED Gate Pass is not found enclosed to the despatch document.

34. **Performance Security Deposit:** Supplier must submit the Performance Guarantee for 5% value of the order as per the format given in Annexure-III with validity of Sixty Two months from the date of Installation before submitting his claim for payment. This Performance guarantee shall be in the form of Deposit at Call receipt of any scheduled bank/Banker’s cheque/ Demand Draft from any Scheduled Nationalized Bank or Government Securities or Fixed Deposit Receipts or Guarantee Bonds of any Scheduled Bank in accordance with the prescribed form valid for SIXTY TWO MONTHS FROM THE DATE OF SUCCESSFUL INSTALLATION OF EQUIPMENTS AT PURCHASER’S LOCATION. OTHERWISE 95% PAYMENT WILL BE RELEASED AFTER SUCCESSFUL SUPPLY, INSTALLATION AND COMMISSIONING OF THE EQUIPMENT AT PURCHASER’S LOCATION & BALANCE 5% PAYMENT/(or Performance Guarantee if submitted) WILL BE RELEASED AFTER SIXTY TWO MONTHS after full satisfaction of under signed. Payment shall be made through Account Payee Cheque or Electronic Clearing System only and the charges shall be deducted from the bill.

35. The tenderer may be a proprietary / partnership firm, limited company, Corporate Body, legally constituted and should have possess the valid required licences, registration etc. as per the law and should be valid for 12 months from the date of opening of tender.

36. At the time of opening of the Bid, Bidding parties or their authorized representatives can also be present. Only one representative on behalf of one tenderer shall be allowed to be present on the each occasion.

37. The other terms and conditions entrusted to the successful tenderer will be as follow:-

I. **Delivery Period:** The firm will have to deliver the entire quantity at AIIMS Bhopal / any place in AIIMS Bhopal Campus / at the place as directed by Store Officer or his authorized representative. It can be at 3 or more places & can be at 1st to 4th floor in different stocks within 30 days w.e.f. the date of issue of Purchase/Supply Order (which will be sent on the same date via email and hard copy will be sent by speed post). Loading/unloading of goods, transportation, delivery shall be the responsibility of the firm and no extra cost should be quoted for the same.

II. **Penalty/Liquidated Damage:** In case of delay on the part of the vendor, penalty/Liquidated Damage @ 1% per week of the total order value will be deducted from the supplier’s bill subject to maximum of 5% without prejudice to other terms & conditions of the order.

III. **Specification:** The tenderer must confirm in writing that the goods supplied by them shall be as per specification of goods mentioned in schedule of quantities and in case of any variation, the contract shall be liable to be cancelled immediately.

IV. **Quality of goods:** The firm will be entirely responsible for quality of items. The supplier should replace the rejected /damaged Stores within 10 days, failing which legal action will be taken as deemed fit by the Department.

V. **User/Maintenance/Operating Manual:** The Firm will provide the necessary User/Maintenance/Operating manuals with equipment during its Installation, Testing and Commissioning at AIIMS Bhopal.

VI. **Warranty:** the above items should have at least Three year onsite Warranty including all spare parts and labour against any defect with effect from the date of delivery. The Tenderer should
replace the substandard material within one week time from the site of AIIMS Bhopal on receiving written intimation. If Tenderer has to fail the replace the substandard material/equipment from site within a week time, Penalty @1/2% per week of the cost of such substandard equipment may be deducted from Suppliers pending bills or from Performance Security, which so ever available with AIIMS Bhopal subject to maximum of 3%. No offer of the vendor will be accepted without warranty of their products.

VII. **Annual Maintenance Contract:** Cost of AMC for 2 years after Warranty should also be mentioned in financial bid under separate head as per Annexure-VI. The cost of AMC will be added for evaluation purpose.

VIII. After depositing of Performance Guarantee @5% of Order value in favour of “Director, AIIMS Bhopal” in prescribed format in the form of Bank Guarantee given in Annexure-III, EMD will be refunded. The performance guarantee deposit will be forfeited in case of violation of the terms and condition of the contract.

38. The Bid Security (EMD) of Rs. 50,000/- (Fifty Thousand only) without interest shall be returned to the unsuccessful bidders within 30 days after award of supply order to successful bidder.

39. All these items are to be provided as directed & approved by concerned authority.

40. The bidders are advised to see AIIMS Bhopal Website (www.aiimsbhopal.edu.in) regularly as the Corrections/modifications in the Schedule of items, terms, conditions/NIT shall only be made through website at any time but before the last date of receipt of tender.

41. The competent authority on behalf of Director, AIIMS Bhopal reserves the right of accepting the whole or any part of the bid and the bidders shall be bound to perform the same at the rate quoted.

42. The competent authority on behalf of the Director, AIIMS Bhopal does not bind itself to accept the lowest or any other bid and reserves the authority to reject any or all the bids received without the assignment of any reason. All bids in which any of the prescribed condition is not fulfilled or any condition including that of conditional rebate is put forth by the bidders shall be summarily rejected.

43. The Courts of Bhopal will have jurisdiction over all legal disputes under this Agreement.

(Admn Officer)
AIIMS Bhopal.
## Annexure-I

### Schedule of Quantity & Technical Specifications

<table>
<thead>
<tr>
<th>S. No.</th>
<th>Name of Item</th>
<th>Technical Specification</th>
<th>Qty</th>
<th>Unit</th>
</tr>
</thead>
</table>
| 1      | **Flicker Fusion Apparatus**                      | Purpose: To measure the Flicker-Fusion Threshold of a human subject  
1. The apparatus should have two working sides  
2. The Experimenter Side should consist of –  
   • A switch to select increasing or decreasing rate of flicker of a light of variable Intensity.  
   • Flicker rate: 5 to 50 flashes per seconds.  
   • L. E. D. display of frequency/flicker rate  
3. The Subject’s Side should consist of a switch to turn on the response light/beep.  
4. Operating Manual should be provided  
5. Minimum 3 years warranty  
6. Operating Power: 230 V ± 10% AC, 50 HZ, with plug compatible with local sockets. | 1   | No.  |
| 2      | **Digital Steadiness Tester, Hole Type with Timer and Error Counter** | Purpose: To measure the psycho-motor functions and visual-motor coordination of a human subject  
1. The apparatus should consist of a metallic rust proof panel with a set of 9 or more Circular Holes arranged in decreasing order of diameter from approximately 20 to 2mm  
2. A probe or stylus, having a tip of approximately 1.5 mm in diameter and a connecting wire  
3. A four figure Electronic Digital Timer with start, reset and stop functions  
4. Signal indicator: A beep or light to indicate touching of stylus to the side of a hole  
5. Score counter should display both correct score and number of faults or number of holes successfully completed  
6. Power ON - OFF Switch should be provided  
7. The entire unit should be housed in a sturdy metal enclosure made of good quality rust and corrosion proof materials and duly painted.  
8. Operating Manual should be provided  
9. Minimum 3 years warranty  
10. Operating Power: 220volt, ±10 %, 50 Hz., A.C, with plug compatible with local sockets | 1   | No.  |
| 3      | **Digital Hand Digital Steadiness Tester, Linear Type with Timer and Error Counter** | Purpose: To measure the psycho-motor functions and visual-motor coordination of a human subject  
1. Should have a curvi-linear groove cut out on a metallic rust proof panel  
2. A stylus to run through the groove, with a connecting wire | 1   | No.  |
<table>
<thead>
<tr>
<th>S. No.</th>
<th>Name of Item</th>
<th>Technical Specification</th>
<th>Qty.</th>
<th>Unit</th>
</tr>
</thead>
</table>
|       | 3. Signal indicator: A beep or light to indicate touching of stylus to the edge of the groove.  
4. Digital Timer with start, reset and stop functions  
5. Digital Error counter  
6. The entire unit should be housed in a sturdy metal enclosure made of good quality rust and corrosion proof materials and duly painted  
7. Operating Manual should be provided  
8. Minimum 3 years warranty  
| 4     | **Reaction Time Apparatus**       | **Purpose:** To measure the psycho-motor functions and visual-motor coordination of a human subject  
1. The apparatus should have two working sides  
2. The Experimenter Side should consist of  
   - A switch to turn on any one of the four or more different stimuli two visual (different colours) and two aural (different tones) stimuli  
   OR  
   Four or more visual (different colours) stimuli  
   - Four figure Electronic Digital Timer to display the time in seconds  
   - Digital error counter.  
3. The Subject’s Side should consist of a switch to turn on the response light/beep  
4. The entire unit should be housed in a sturdy metal enclosure made of good quality rust and corrosion proof materials and duly painted  
5. Operating Manual should be provided  
6. Minimum 3 years warranty  
7. Operating Power: 220 v. ± 10 %, AC, 50 HZ, with plug compatible with local sockets. |      |      |
| 5     | **Portable Computerized Spirometer** | 1. Parameters measured or calculated: Flow/Volume Loop, FVC (Forced Vital Capacity)  
   Inspiratory, VC (Vital Capacity), MVV (Maximal Voluntary Ventilation), ERV, IRV, Tidal  
   Volume, FEV1, FEV1/FVC%, MEF25-75, PEF, PIF, Reversibility  
2. Upgradeable internal software by connecting to the PC  
3. Temperature sensor: Internal temperature sensor for automatic BTPS conversion.  
4. Flow/volume transducer: bi-directional turbine  
5. Flow range: ± 16 Ls  
6. Flow accuracy: ± 5% or 200 mL/s  
7. Volume: 0.5 to 8 liters with volume accuracy: ± 3% or 50 mL |      |      |
<table>
<thead>
<tr>
<th>S. No.</th>
<th>Name of Item</th>
<th>Technical Specification</th>
<th>Qty.</th>
<th>Unit</th>
</tr>
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<tbody>
<tr>
<td>6</td>
<td>Tail Flick</td>
<td>1. Radiant Heat Type with PID Temperature controller.</td>
<td>1</td>
<td>No.</td>
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<tr>
<td></td>
<td>Analgesiometer</td>
<td>2. System should be microprocessor controlled with digital display of its functions.</td>
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<td>3. Digital IR intensity controller with display, automatically cut heating off at preset 10 to 60 secs.</td>
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<td>4. With photoelectric tail flick sensor and digit reaction timer display in 0.1 sec intervals.</td>
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<td>5. Should be supplied with rat holder/restrainer if needed</td>
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<td>6. Should have provision and software for connecting to PC and also work as standalone</td>
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<td>7. Should be suitable for both mouse and rats.</td>
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<td>8. Bid should be supported with suitable literature citations in reputed journals</td>
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<td>9. Operating Temperature: 15° to 45° CWarranty: At least 3 years</td>
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<td>7</td>
<td>Elevated Plus Maze</td>
<td>1. The plus maze should have 2 open and 2 closed arms mounted at 90 degree to one another and should be separated by a central square shaped platform</td>
<td>1</td>
<td>No.</td>
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<td></td>
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<td>2. The equipment should be fitted with special made infrared sensors to monitor entering and leaving the 4 arms by the animals.</td>
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<td>3. Data acquisition and analysis program for continuous monitoring of the elevated plus maze should have special infrared location sensors.</td>
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<td>Unit</td>
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<td>4</td>
<td>Should be supplied with PC (Branded) with latest configuration along with LCD Monitor and Laser Printer.</td>
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<td>5</td>
<td>Should have grey non reflective base plate</td>
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<td>6</td>
<td>Should have closed arm walls with lift off for easy cleaning</td>
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<td>7</td>
<td>Dimensions: arm length 50cm, arm width 10cm, closed wall height 40cm, height from the floor at least 50 cm</td>
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<tr>
<td>8</td>
<td>Bid should be supported with suitable literature citations in reputed journals</td>
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<td></td>
<td></td>
</tr>
<tr>
<td>9</td>
<td>Warranty: At least 2 years</td>
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<td>10</td>
<td>Electroconvulsiometer</td>
<td>1. Should be able to use for producing minimal and supra minimal seizures required for assaying of anti-epileptic and anticonvulsant drugs.</td>
<td>1</td>
<td>No.</td>
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<td></td>
<td>2. Should provide minimum 50Hz stimulus current which can be adjusted 0.15mA to 330mA in steps.</td>
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<td>3. Should contain electronic timer device from 0.1 to 9.9 seconds in steps of 0.1 sec to control the stimulus current and LED indicator for duration of stimulus.</td>
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<td></td>
<td>4. Three pairs of corneal electrodes of 4, 6, &amp; 8 mm cups size &amp; a pair of ear clips should be supplied as standard accessories with instruction manual.</td>
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<td>5. Should have digital display of parameters like current, time etc.</td>
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<td>6. Warranty: At least 3 years</td>
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<td>9</td>
<td>Plethysmometer</td>
<td>1. Plethysmometer should have a resolution of 0.01ml.</td>
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<td>2. Should be suitable for both rats as well as mice.</td>
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<td>3. Unit should be made from clear acrylic material which should allow obstruction-free viewing of the subject.</td>
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<td>4. It should have digital display of the paw volume</td>
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<td>5. Should allow hands free operation including foot switch control.</td>
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<td></td>
<td>6. Software supplied with the unit should be able to automatically record the results on a PC through a USB/Serial port.</td>
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<td>7. The system should include as standard a volume transducer with its related calibrators and wetting solution (if needed).</td>
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<td>8. Dust protection cover for control unit.</td>
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<td>9. Warranty: At least 3 years</td>
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<td>10</td>
<td>Actophotometer</td>
<td>1. Digital read out for evaluation of spontaneous activity in rats and mice.</td>
<td>1</td>
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<td></td>
<td>2. Electronic activity digital counter and digital timer with start, reset and stop functions</td>
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<td>S. No.</td>
<td>Name of Item</td>
<td>Technical Specification</td>
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<td>Unit</td>
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</table>
| 3     | 12 (6 Pairs) photoelectric activity sensors which form mesh of beams in shape of square | 4. 4 digit seconds timer  
5. 30cmX30cmX30cm animal cage with  
6. Cage with top cover & a sliding tray at the bottom.  
7. Operating voltage: 220 V +/- 10% AC, 50 Hz  
8. Warranty: At least 3 years | 3   |      |
| 4     | 4 digit seconds timer         |                                                                                              | 4   |      |
| 5     | 30cmX30cmX30cm animal cage with |                                                                                              | 5   |      |
| 6     | Cage with top cover & a sliding tray at the bottom. |                                                                                              | 6   |      |
| 7     | Operating voltage: 220 V +/- 10% AC, 50 Hz |                                                                                              | 7   |      |
| 8     | Warranty: At least 3 years    |                                                                                              | 8   |      |
| 11    | Hot Plate Analgesia Meter    | 1. Should be digitally controlled and consist of a clear acrylic chamber/s and aluminium plate providing good temperature stability and even surface distribution  
2. Operating temperature upto 75 degree Celsius  
3. Digital display of temperature should be in 0.1 deg C increments  
4. Foot switch to allow control of start and stop and permit hands free operation  
5. Should be suitable for both rats as well as mice  
6. Digital display of reaction time in 0.1 sec increments.  
7. Data can be transferred to PC using USB/ serial port.  
8. Warranty: 3 years | 1   | No.  |
| 12    | Rotarod assembly             | 1. Single system for mice and rats with separate drums for each species  
2. For testing atleast 4 animals at a time  
3. Drum must be electronically controlled – not belt driven  
4. Sensors must not require any adjustment and must use magnetic sensing switches  
5. Test length should be adjustable between 1 to 999 secs  
6. It should be possible to conduct the test in both forward and reverse modes  
7. Start, stop and reset buttons should be available. A digital display must allow the user to view all parameters and test results for all individual animals  
8. The distance covered, rod speed when the animal fell and length of test must be recorded  
9. Start speed should be variable from 0 – 40 rpm  
10. Front panels should prevent escape of animals  
11. Instrument must have printer interface and software for data recording must be available  
12. Warranty: 3 years | 1   | No.  |
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<tr>
<th>S. No.</th>
<th>Name of Item</th>
<th>Technical Specification</th>
<th>Qty.</th>
<th>Unit</th>
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</thead>
</table>
| 13    | CAL Software                 | Software to simulate animal experiments in Pharmacology to demonstrate drug actions on different animal systems: should be active for at least 1 year. Should include examination mode of following experiments:-  
1. Effects of Drugs on the Rabbit’s Eye  
2. Effects of Drugs on the Frog's Heart  
3. Effects of Drugs on the Frog’s Oesophagus  
4. Bioassay of Histamine on the ileum of Guinea Pig  
5. Effects of drugs on BP & heart rate of Dog   | 1    | No.  |
| 14    | Refrigerator                 | 1. Capacity 350-400 L  
2. With stabilizer  
3. Double door, Frost Free, Branded  
4. 5 year Warranty  
5. Operating voltage: 220 V AC, 50 Hz   | 2    | Nos. |
| 15    | Double Beam UV/Vis Spectrophotometer | 1. Wavelength Range (nm): 190-900/1100  
2. Wavelength Accuracy (nm): 0.2 or better  
3. Wavelength Repeatability (nm): 0.2 or better  
4. Spectral Bandwidth (nm): 0.5 to 4.0 or better  
5. Light Source: Deuterium & Tungsten Halogen Lamp  
6. Photometric Range: 0 to 3.0 Abs or better  
7. Photometric Accuracy: ± 0.005 Abs at 1 Abs  
8. Photometric Reproducibility: ± 0.002 Abs at 1 Abs  
9. Scan/Skew Speed: Min 2500 nm/min or better  
10. Detector: Photo Multiplier Tube/Silicon Photo Diode  
11. Temperature controller: Peltier system for both sample and reference beam.  
  Temperature should be controlled through computer and have display on screen.  
12. Quartz Cuvettes:  
  Two pairs (0.7 ml capacity, 10 mm path length)  
  Two pairs (1.4 ml capacity, 10 mm path length)  
  Two pairs (3.5 ml capacity, 10 mm path length)  
13. Output: USB Port for PC connectivity, Parallel Port for Printer.  
  RS 232 interface with latest version of branded computer and Laser Printer  
14. Software: Window based complete multitasking software. Should be capable of  
  biological applications such as measuring proteins, nucleic acids, enzyme kinetics and concentration. | 1    | No.  |
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<tr>
<th>S. No.</th>
<th>Name of Item</th>
<th>Technical Specification</th>
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<tr>
<td>15</td>
<td>On site demonstration and training to be provided</td>
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<td>16</td>
<td>Minimum 3 Years Warranty, 5 yrs comprehensive AMC</td>
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<tr>
<td>17</td>
<td>Operating Power: 230 V ± 10% AC, 50 HZ, with plug compatible with local sockets</td>
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<tr>
<td>18</td>
<td>Laboratory Centrifuge</td>
<td>1. Microprocessor based unit with LCD display</td>
<td>1</td>
<td>No.</td>
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<tr>
<td></td>
<td>2. Max. Speed (rpm) 6000 or more</td>
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<td>3. Max. RCF (g): 5000 or more</td>
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<td>4. Max. Capacity (ml): 400</td>
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<td>5. Noise level: &lt; 60 db</td>
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<td></td>
<td>6. Maintenance free brushless motor drive</td>
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<td>7. Calibration window on lid for speed (rpm)</td>
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<td>8. Motorized Lid lock and Emergency lid release</td>
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<td></td>
<td>9. Automatic opening of lid at the end of run</td>
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<td></td>
<td>10. Time pre-selection upto 99 sec or continuous</td>
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<td></td>
<td>11. ISO, CE or equivalent make</td>
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<td></td>
<td>12. Rotors: Angle Rotor for 24 tubes of 15ml</td>
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<td></td>
<td>13. Minimum three years warranty, 5 yrs comprehensive AMC</td>
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<td>14. Operating Power: 230 V ± 10% AC, 50 HZ with plug compatible with local sockets</td>
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<tr>
<td>19</td>
<td>High Speed Refrigerated Centrifuge</td>
<td>1. Microprocessor based unit with LCD display</td>
<td>1</td>
<td>No.</td>
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<tr>
<td></td>
<td>2. Max. Speed (rpm) 11000 or more</td>
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<td></td>
<td>3. Max. RCF (g): 13000 or more</td>
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<td>4. Max. Capacity (ml): 40</td>
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<td>5. Minimum Temperature (°C): -20</td>
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<td>6. Noise level: &lt; 60 db</td>
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<td>7. Maintenance free brushless motor drive</td>
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<td>8. Calibration window on lid for speed (rpm)</td>
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<td>9. Motorized Lid lock &amp; Emergency lid release</td>
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<td>10. Automatic opening of lid at the end of run</td>
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<td>11. Time pre-selection upto 99 sec or continuous</td>
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<td>12. ISO, CE or equivalent</td>
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<td>13. Rotors: Angle Rotor for 8 tubes of 5ml</td>
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<td>14. CFC-free refrigeration system</td>
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<td>15. Minimum three years warranty, 5 yrs comprehensive AMC</td>
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<td>16. Operating Power: 230 V ± 10% AC, 50 HZ with plug compatible with local sockets</td>
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<tr>
<td>20</td>
<td>All Glass Double Distillation apparatus</td>
<td>1. All Glass, Vertical, Panel mounted Type</td>
<td>1</td>
<td>No.</td>
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<td></td>
<td>2. Built-in Quartz heater.</td>
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<td>3. Borosilicate boiling flask and leveller</td>
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<td>4. Dist. Water Output Capacity: 1.5 lt/hr</td>
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<td>S. No.</td>
<td>Name of Item</td>
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7. pH: 6-7, Conductivity S/cm: <2 x 10^{-6}  
8. Distillate Temp: 65-75°C  
9. Automatic cut off device or safety control system  
10. ISO, CE certification or equivalent  
11. Minimum three years warranty, 5 yrs comprehensive AMC  
12. Power: 230 V ± 10% AC, 50 HZ with plug compatible with local sockets |      |      |
| 19    | Deep freezer -20°           | 1. Internal minimum capacity 200-300 L  
2. Double door with adjustable 4 or more shelves each with separate inner door  
3. Outer body should be made of powder coated MS/CRCA sheet.  
4. Inner body should be made of non-corrosive stainless steel  
5. Minimum temperature should be -20 or lower, with temperature deviation of maximum +/-3°C with proper display.  
6. Control unit should be Microprocessor controlled.  
7. There should be alarm indicators to take care of eventualities like power failure, high or low temperature, door open etc.  
8. No condensation on storing material with automatic electric defrost  
9. Temperature date logger, Temp chart recorder.  
10. Rechargeable battery backup including charger  
11. Dual door system with inner glass door, suitable for ambient with temperature of 10°C to 40°C.  
12. Should be available with service centers in close proximity.  
13. Should have all the accessories required for the functioning of the equipment.  
14. CE / ISI mark or other equivalent quality certification  
15. Minimum three years warranty, 5 yrs comprehensive AMC  
16. Operating Power: 220VAC, 50Hz. with plug compatible with local sockets | 1    | No.  |
| 20    | Analytical Balance, High Precision | 1. Capacity: 220gms  
2. Readability: 0.1 mg  
3. Repeatability: +/- 0.1mg  
4. Linearity: +/- 0.2mg | 1    | No.  |
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<th>Unit</th>
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|       |                               | 5. Circular removable pan of minimum 90mm diameter  
6. Backlit Digital Display LCD  
7. Glass Draft shield (3 sides) with doors which can be opened from sides and top  
8. Operating temperature 0-45 deg C  
9. Calibration: Built in internal Calibration  
  One standard certified weight for external calibration to be provided, along with calibration certificate from an NABL accredited Laboratory  
10. Should meet CE/FDA/BIS electrical compliances and safety compliances  
11. Should have overload protection  
12. Leveling feet with leveling indicator  
13. Operational manual to be provided  
14. Minimum three years warranty, 5 yrs comprehensive AMC  
15. Power Supply: Power input to be 220-240VAC, 50Hz with plug compatible with local sockets |      |      |
| 21    | **Analytical Balance**        | 1. Capacity: 3 Kg  
2. Readability: 1 mg  
3. Repeatability: +/-0.1mg  
4. Linearity: +/-0.2mg  
5. Circular removable pan of minimum 90mm diameter  
6. Backlit Digital Display LCD  
7. Glass Draft shield  
8. Operating temperature 0-45 deg C  
9. Calibration: Built in internal Calibration  
  One standard certified weight for external calibration to be provided, along with calibration certificate from an NABL accredited Laboratory  
10. Should meet CE/FDA/BIS electrical compliances and safety compliances  
11. Should have overload protection  
12. Leveling feet with leveling indicator  
13. Operational manual to be provided  
14. Minimum three years warranty, 5 yrs comprehensive AMC  
15. Power Supply: Power input to be 220-240VAC, 50Hz with plug compatible with local sockets | 1   | No.  |
| 22    | **Laboratory Autoclave, Vertical** | 1. Vertical Type of Capacity: 50-60 Litres  
1. Single door, radial locking system and triple walled body  
2. Material of construction  
  • Sterilizer chamber and Door: SS 316 or better | 1   | No.  |
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<th>S. No.</th>
<th>Name of Item</th>
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<td>• Jacket MS or better; Loading carriage SS 316 or better</td>
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<td>• Transfer trolley: MS, painted; Door Gasket: Silicon or better</td>
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<td>• Insulation: fiber glass resin bonded wool or better</td>
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<td>3. Working Pressure: 1.26 Kgf/cm², working temperature: 121°C, with accuracy of ± 0.1°C</td>
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<td>4. Pressure and Temperature control by both manual controller and automatic microprocessor controller with LCD display</td>
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<td>5. Spring loaded safety valves and automatic vacuum breaker for jacket</td>
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<td>6. SS baffle for even steam distribution in the chamber</td>
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<td>7. Safety lock for door: pressure lock safety device</td>
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<td>8. Low water level indicator and cut off</td>
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<td>9. Should meet general requirements of safety for electromagnetic compatibility as per IEC – 60601-1-2:200 (or equivalent BIS)</td>
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<td>10. On site training for laboratory staff</td>
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<td>11. Documentation to be included:</td>
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<td>• User/Technical/ Maintenance manuals to be supplied</td>
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<td>• Certificate of calibration and inspection from factory</td>
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<td>• List of important spare parts and accessories with their part number and costing</td>
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<td>• Log book with instruction for daily, weekly, monthly and quarterly maintenance checklist.</td>
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<td>12. Minimum three years warranty, 5 yrs comprehensive AMC</td>
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<td>13. Power Supply: Power input to be 220-240VAC, 50Hz with plug compatible with local sockets</td>
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23  **Magnetic Stirrer**

<p>|       |                  | 1. Stirring speed up to 1500 rpm or more                                               |      | No.  |
|       |                  | 2. Stirring volume up to 10 litres                                                      |      |      |
|       |                  | 3. Ceramic top with hotplate for temperature upto 550°C                                 |      |      |
|       |                  | 4. External temperature probe for control of fluid temperature                          |      |      |
|       |                  | 5. Microprocessor based technology                                                       |      |      |
|       |                  | 6. Maintenance free brushless motor                                                      |      |      |
|       |                  | 7. LCD Display of set and actual temperature and speed                                   |      |      |
|       |                  | 8. Residual temperature warning                                                         |      |      |
|       |                  | 9. Operational manual to be provided                                                    |      |      |</p>
<table>
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<th>S. No.</th>
<th>Name of Item</th>
<th>Technical Specification</th>
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<td>10. Minimum three years warranty, 5 yrs comprehensive AMC</td>
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<td></td>
<td>11. Power: 220-240VAC, 50Hz with plug compatible with local sockets</td>
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<td>24</td>
<td>Vortex mixer</td>
<td>1. With brushless motor</td>
<td>1</td>
<td>No</td>
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<td></td>
<td></td>
<td>2. Suitable for Interchangeable mixing Heads</td>
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<td>3. Universal top plate 100 mm-plate attachment</td>
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<td>4. Tube adapter for 18 holes test tubes of 10mm</td>
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<td>5. Platform pad for &lt;99mm tubes and small vessels</td>
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<td>6. Tube adapter for 8 holes test tubes of 20mm</td>
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<td>7. Operational manual to be provided</td>
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<td></td>
<td>8. Minimum three years warranty, 5 yrs comprehensive AMC</td>
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<td></td>
<td></td>
<td>9. Power: 220-240VAC, 50Hz with plug compatible with local sockets</td>
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<tr>
<td>25</td>
<td>Digital pH Meter</td>
<td>1. Should be microprocessor controlled</td>
<td>1</td>
<td>No</td>
</tr>
<tr>
<td></td>
<td></td>
<td>2. Should have 1, 2 or 3 point pH calibration with choice of pH calibration buffer types</td>
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<td>3. Calibration data with date and time should be displayed on LCD display</td>
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<td>4. Should have RS 232 serial interface and printer interface</td>
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<td>5. Range: pH: -2.00 to 19.99 mV: 2000mV</td>
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<tr>
<td></td>
<td></td>
<td>Temp: -10.0°C to 110.0°C</td>
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<td></td>
<td>6. Resolution: pH: 0.1; 0.01; 0.001 (selectable)</td>
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<tr>
<td></td>
<td></td>
<td>mV: 0.1 mV</td>
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<tr>
<td></td>
<td></td>
<td>Temp: 0.10°C</td>
<td></td>
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<tr>
<td></td>
<td></td>
<td>7. Accuracy: pH: 0.002</td>
<td></td>
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<tr>
<td></td>
<td></td>
<td>mV: 0.2 or 0.1% mV</td>
<td></td>
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<tr>
<td></td>
<td></td>
<td>Temp: 0.30°C at 0-70°C; 1.00°C at 70-110°C</td>
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<td></td>
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<td>8. Temperature compensation should be automatic</td>
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<td></td>
<td>9. Should supply following accessories</td>
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<tr>
<td></td>
<td></td>
<td>i. Dust cover-1 no.</td>
<td></td>
<td></td>
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<tr>
<td></td>
<td></td>
<td>ii. Electrode Holder-1</td>
<td></td>
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<td></td>
<td></td>
<td>iii. Additional combination electrode-1</td>
<td></td>
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<td></td>
<td></td>
<td>iv. pH 4,7,10 buffer sachets – 10 pks each</td>
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<tr>
<td></td>
<td></td>
<td>v. pH 4,7,10 colored solution-500ml each</td>
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<td>10. Should supply KCL electrode fill solution</td>
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<td>11. The unit shall be capable of operating in ambient temperature in the range of 10-45°C and relative humidity of 5 to 80%</td>
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<td></td>
<td></td>
<td>12. Operational manual to be provided</td>
<td></td>
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<tr>
<td>S. No.</td>
<td>Name of Item</td>
<td>Technical Specification</td>
<td>Qty.</td>
<td>Unit</td>
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<td>-------</td>
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<td></td>
<td></td>
<td>13. Minimum three years warranty, 5 yrs comprehensive AMC 14. Power: 220-240VAC, 50Hz with plug compatible with local sockets</td>
<td></td>
<td></td>
</tr>
<tr>
<td>26</td>
<td>Micropipettes Variable Volume fully autoclavable Type</td>
<td>Volume range: 0.2 μl to 2 μl, with increments of 0.01ml 1. With high accuracy and precision 2. With tip ejector mechanism. 3. Made of corrosion proof material. 4. Should be fully autoclavable 5. User/Technical/Maintenance manuals to be supplied in English. 6. Certificate of calibration and inspection from the factory should be provided 7. Spare parts and accessories should be provided with the pipettes</td>
<td>3</td>
<td>Nos.</td>
</tr>
<tr>
<td>27</td>
<td>Micropipettes Variable Volume fully autoclavable Type</td>
<td>Volume range: 2μl to 20 μl with increments of 0.1μl 1. With high accuracy and precision 2. With tip ejector mechanism. 3. Made of corrosion proof material. 4. Should be fully autoclavable 5. User/Technical/Maintenance manuals to be supplied in English. 6. Certificate of calibration and inspection from the factory should be provided 7. Spare parts and accessories should be provided with the pipettes</td>
<td>3</td>
<td>Nos.</td>
</tr>
<tr>
<td>28</td>
<td>Micropipettes Variable Volume fully autoclavable Type</td>
<td>Volume range: 10μl to 100 μl with increments of 0.5μl 1. With high accuracy and precision 2. With tip ejector mechanism. 3. Made of corrosion proof material. 4. Should be fully autoclavable 5. User/Technical/Maintenance manuals to be supplied in English. 6. Certificate of calibration and inspection from the factory should be provided 7. Spare parts and accessories should be provided with the pipettes</td>
<td>3</td>
<td>Nos.</td>
</tr>
<tr>
<td>29</td>
<td>Micropipettes Variable Volume fully autoclavable Type</td>
<td>Volume range: 100μl to 1000 μl with increments of 5μl 1. With high accuracy and precision</td>
<td>3</td>
<td>Nos.</td>
</tr>
<tr>
<td>S. No.</td>
<td>Name of Item</td>
<td>Technical Specification</td>
<td>Qty.</td>
<td>Unit</td>
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</tr>
<tr>
<td>2.</td>
<td>With tip ejector mechanism.</td>
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<tr>
<td>3.</td>
<td>Made of corrosion proof material.</td>
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<tr>
<td>4.</td>
<td>Should be fully autoclavable</td>
<td></td>
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<td>5.</td>
<td>User/Technical/Maintenance manuals to be supplied in English.</td>
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<td>6.</td>
<td>Certificate of calibration and inspection from the factory should be provided</td>
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<tr>
<td>7.</td>
<td>Spare parts and accessories should be provided with the pipettes</td>
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<tr>
<td>30</td>
<td>Micropipette tips with refillable box</td>
<td>Volume: 0.1 μl to 20 μl, box of 96/100</td>
<td>1</td>
<td>Box</td>
</tr>
<tr>
<td></td>
<td></td>
<td>1. Should be autoclavable</td>
<td></td>
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<tr>
<td></td>
<td></td>
<td>2. Should come in a refillable box</td>
<td></td>
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<tr>
<td>31</td>
<td>Micropipette tips with refillable box</td>
<td>Volume: 2μl to 200 μl, box of 96/100</td>
<td>1</td>
<td>Box</td>
</tr>
<tr>
<td></td>
<td></td>
<td>1. Should be autoclavable</td>
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<tr>
<td></td>
<td></td>
<td>2. Should come in a refillable box</td>
<td></td>
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<tr>
<td>32</td>
<td>Micropipette tips with refillable box</td>
<td>Volume: 50μl to 1000μl box of 96/ 100</td>
<td>1</td>
<td>Box</td>
</tr>
<tr>
<td></td>
<td></td>
<td>1. Should be autoclavable</td>
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<td></td>
<td></td>
<td>2. Should come in a refillable box</td>
<td></td>
<td></td>
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<tr>
<td>33</td>
<td>Centrifuge tubes with cap</td>
<td>Volume :1.5ml, pack of 100</td>
<td>1</td>
<td>Box</td>
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<tr>
<td></td>
<td></td>
<td>1. Made of translucent, chemical resistant Polyethylene/ Polypropylene</td>
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<td></td>
<td></td>
<td>2. Conical Bottom with cap</td>
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<td></td>
<td></td>
<td>3. Sterile and nonpyrogenic</td>
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<td></td>
<td></td>
<td>4. Should be autoclavable</td>
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<tr>
<td>34</td>
<td>Centrifuge tubes with cap</td>
<td>Volume: 6.5ml, pack of 00</td>
<td>1</td>
<td>Box</td>
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<tr>
<td></td>
<td></td>
<td>1. Made of translucent, chemical resistant Polyethylene/ Polypropylene</td>
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<td>2. Conical Bottom with cap</td>
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<td>3. Sterile and nonpyrogenic</td>
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<td>4. Should be autoclavable</td>
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<tr>
<td>35</td>
<td>Centrifuge tubes with cap</td>
<td>Volume: 15ml, pack of 100</td>
<td>1</td>
<td>Box</td>
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<tr>
<td></td>
<td></td>
<td>1. Made of translucent, chemical resistant Polyethylene/ Polypropylene</td>
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<td></td>
<td>2. Conical Bottom with cap</td>
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<td>3. Sterile and nonpyrogenic</td>
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<td></td>
<td>4. Should be autoclavable</td>
<td></td>
<td></td>
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<tr>
<td>36</td>
<td>Centrifuge tube racks</td>
<td>Made of chemical resistant Polypropylene</td>
<td>3</td>
<td>Nos.</td>
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<tr>
<td></td>
<td></td>
<td>With Holes for 20 or more tubes of 5ml</td>
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<tr>
<td>37</td>
<td>Centrifuge tube racks</td>
<td>Made of chemical resistant Polypropylene</td>
<td>3</td>
<td>Nos.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>With Holes for 20 or more tubes of 6.5ml</td>
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<td></td>
</tr>
<tr>
<td>38</td>
<td>Centrifuge tube racks</td>
<td>Made of chemical resistant Polypropylene</td>
<td>3</td>
<td>Nos.</td>
</tr>
<tr>
<td></td>
<td></td>
<td>With Holes for 20 or more tubes of 15ml</td>
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</tr>
</tbody>
</table>

~ 21 ~
Annexure -II

PARTICULAR SPECIFICATION

&

SPECIAL CONDITIONS

1. GENERAL

Wherever any reference to any Indian Standard Specification occurs in the documents relating to this contract, the same shall be inclusive of all amendments issued there-to or revisions thereof, if any, up to the date of receipt of tenders.

2. Handling and Stacking

Material shall be protected against any damage during transportation, the Bidder shall arrange the Transit Insurance of Goods from Suppliers warehouse to Consignee Site, Loading and Unloading shall be carried out with utmost care on his own cost. On receipt of materials at site, each of items shall be carefully examined by the Competent Accepting Authority to detect any damaged pieces. Arrangements shall be made for expeditious replacement of damaged pieces. It is must for Vendors to ensure that the materials dispatching for supply to AIIMS-Bhopal are properly packed in strong packaging for protecting the consignment, so as to avoid damage/pilferage in transit to detention under normal handling. The clear marking in the outer surface of packaging must contain the PO Number and the address of the Consignee in 2-3 sides through permanent marker/affix through good quality of glue.

3. If required / felt by AIIMS Bhopal, a tender evaluation committee / purchase committee shall examine the samples of these items, analyse and compare the rates quoted by bidders and shall decide the tender.
FORMAT FOR PERFORMANCE BANK GUARANTEE

To,

The “Director”,
All India Institute of Medical Sciences (AIIMS) Bhopal
Saket Nagar, Bhopal- 462 024 (MP) INDIA

WHEREAS _____________________________ (Name and address of the supplier) (Hereinafter called “the supplier”) has undertaken, in pursuance of contract no________________________ dated ____________ to supply (description of goods and services) (hereinafter 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 recognised 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 up to 62 (Sixty Two) months from the date of satisfactory installation of the equipment i.e. up to ------------------------------- (indicate date).

..................................................
(Signature with date of the authorised officer of the Bank)
..................................................
Name and designation of the officer
..................................................
Seal, name & address of the Bank and address of the Branch
Annexure - IV

UNDEARTAKING

I......................................................... S/o .................................................................

R/o .......................................................................................
do hereby solemnly affirm as under :-

1. That, I am a Partner / Proprietor / Authorized Dealer/ representative of M/s
   ............................................................................................................................
   ............................................................................................................................
2. That the firm has not been black listed in the past by any government / private / organization.
3. That the firm has no vigilance case/CBI/FEMA case pending against him.
4. That the firm is not supplying the same item at the lower rate quoted in the tender to any Govt. organization or any other institute.

Signature & Seal of the bidder(s)

Dated: ......................................

Place : ...........................................
Tender No. : AIIMS Bhopal/Store/Med College/Pharmacology/Equipment/2012-13/01

TENDER NO.: AIIMS BHPAL/STORE/MED COLLEGE/PHARMACOLOGY/EQUIPMENT/ 2012-13/01
Dated 28.08.2013

Subject :-Supply, Installation and Commissioning of PHARMACOLOGY Department Equipment at Medical College of AIIMS Bhopal.

Name of the party in whose Favour the Tender form has been issued:

To,
The Director,
All India Institute of Medical Sciences Bhopal,
Saket Nagar, Bhopal-462024 (MP)

Dear Sir,

1. I/We hereby submit our tender for the above mentioned supply.

2. I/We now enclosing herewith the EMD by the way of Banker’s Cheque/Demand Draft/FDR No………………. dated…………..Issued By Bank …………………………….

For Rs.50,000/- (Rupees Fifty Thousand Only) drawn in favour of the “DIRECTOR, AIIMS, BHOPAL” towards EMD by the way of Banker’s Cheque/Demand Draft/FDR(TENDERERS THOSE WHO DO NOT ACCOMPANIED EMDALONGWITH THE TECHNICAL BID, THEIR BID SHALL BE SUMMARILY REJECTED).

3. I/We have gone through all terms and conditions of the tender documents before submitting the same.

4. I/We hereby agree to all the terms and conditions, stipulated by the AIIMS Bhopal, in this connection including delivery, warranty, penalty etc.

5. I/We have noted that overwritten entries shall be deleted unless duly cut & re-written and initialled.

6. Tenders are duly signed (No thumb impression should be affixed).

7. I/We undertake to sign the contract/agreement, if required, within 5 (Five days) from the date of receipt of the letter of acceptance, failing which our/my Earnest money deposited may be forfeited and our/my name may be removed from the list of suppliers at the AIIMS Bhopal-24.

8. In case tender documents are downloaded from AIIMS Bhopal Website www.aiimsbhopal.edu.in by the firm then following certificates should also be signed by the tenderer – “Certified that we have downloaded the tender document from AIIMS Bhopal Website www.aiimsbhopal.edu.in and for any difference in contents from original document we shall be fully responsible and understand that rate contract awarded, if any, may be terminated by AIIMS on this account. Tenderer must be enclose a separate DD of Rs. 2100/- in favour of “Director, AIIMS Bhopal” payable at Bhopal on account of Tender Cost (Non Refundable) including VAT@5% and it must be accompanied with Technical Bid

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Documents in Technical Bid Envelope. In those Tenderer’s bid (which is downloaded by Tenderer from the AIIMS Bhopal website www.aiimsbhopal.edu.in, the Tender Cost in the way of Demand Draft of Rs. 2100/- (Non Refundable) including VAT@5% in favour of “Director, AIIMS Bhopal” will not found, are summarily subjected for rejection without assigning any region.

We agree to keep the tender open for Ten (10) days from the due date of its opening/ninety days from the date of opening of financial bid in case tenders are invited on 2 envelop system (Strike out as the case may be) and not to make any modification in its terms and condition.

I/We have read and examined the notice inviting tender, specifications applicable, General Rules and Directions, Conditions of Contract, clauses of contract, Special conditions, Schedule of Rate & other documents and Rules referred to in the conditions of contract and all other contents in the tender document for the work.

NOTE: ALL TERMS & CONDITIONS SUCH AS TAXES ETC, HAS BEEN INDICATED IN THE TENDER FAILING WHICH IT WILL BE PRESUMED THAT THE RATES ARE INCLUSIVE OF ALL TAXES AND OTHER TERMS AND CONDITIONS ARE ALSO AS PER YOUR REQUIREMENTS.

Yours faithfully

Signature of Tender(s) with full Address.

WITNESS______________________________________

WITNESS______________________________________
MANUFACTURER’S AUTHORIZATION LETTER

To,
The Director,
AIIMS Bhopal,
Saket Nagar, Bhopal-462 024 (MP)

Dear Sir,

Tender No.: ____________________

We ________________________________ an established and reputable Manufacturers of ______________________ having factories at ________ and _______ do hereby agree to supply __________________ confirming to the required specification and required quantity to M/s _____________________________ (Bidder) as offered by them to Supply, Install, Test and Commission against the above stated Tender. This is also certified that M/s _____________________________ is our authorized distributor / importer since _______________ (month & year should filled), and his performance is satisfactory.

We hereby extend our full guarantee and warranty including ensuring the availability of spare parts for 10 years period from date of installation of equipment to AIIMS Bhopal and agreed for comply the Clause 27 and Clause 37 of the General Conditions of Contract for the supply against this invitation for Bid by the above firm.

Yours faithfully,

(name)
for and on behalf of M/s _____________________________ (Name of manufacturers)

Note: This letter should be signed by a person competent and having authority to sign on behalf of manufacturer, and should be on manufacturer Letter Head and same will be kept with Technical Bid Envelope.
# Financial Bid

(Bidder must submit Financial Bid in separate envelope and clearly mention Financial Bid in Bold Letters in the top line of the envelope)

<table>
<thead>
<tr>
<th>S. No.</th>
<th>Equipment Name</th>
<th>Quantity</th>
<th>Unit</th>
<th>Basic Cost per Unit (in Rs.)</th>
<th>Add Taxes and others Expenditure per unit (in Rs.)</th>
<th>Less Discount Offered (if Any) per unit (in Rs.)</th>
<th>Total unit Cost (FOR Destination) (in Rs.)</th>
<th>Total Cost for Quantity given in Column (3) (in Rs.)</th>
<th>AMC Cost for 2 Yrs. After the 3 Yrs. Free of cost on site Warranty/Guarantee for Quantity given in Column 3 (in Rs.)</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>Flicker Fusion Apparatus</td>
<td>1</td>
<td>No.</td>
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<td>2</td>
<td>Digital Steadiness Tester, Hole Type with Timer and Error Counter</td>
<td>1</td>
<td>No.</td>
<td></td>
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<td>3</td>
<td>Digital Hand Digital Steadiness Tester Linear Type with Timer and Error Counter</td>
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<td>No.</td>
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<td>4</td>
<td>Reaction Time Apparatus</td>
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<td>Portable Computerized Spirometer</td>
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<td>No.</td>
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<td>Tail Flick Analgesiometer</td>
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<td>No.</td>
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<td>Elevated Plus Maze</td>
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<td>No.</td>
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<td>8</td>
<td>Electroconvulsiometer</td>
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<td>9</td>
<td>Plethysmometer</td>
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<td>No.</td>
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<tr>
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<td>Actophotometer</td>
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<td>No.</td>
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<td>Hot Plate Analgesiometer</td>
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<td>No.</td>
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<tr>
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<td>Rota Rod assembly for Rat and Mice</td>
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<td>No.</td>
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<td>14</td>
<td>Refrigerator -4 Deg C, 350-400 L, Double Door, Frost Free</td>
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<td>S. No.</td>
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<td>Double Beam UV/Vis Spectrophotometer</td>
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<td>16</td>
<td>Laboratory Centrifuge</td>
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<td>High Speed Refrigerated Centrifuge</td>
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<td>18</td>
<td>All Glass Double Distillation apparatus</td>
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<td>Deep freezer -20°C</td>
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<td>Analytical Balance, high precision</td>
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<td>22</td>
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<td>24</td>
<td>Vortex mixer microprocessor controlled</td>
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<td>Digital pH Meter</td>
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<td>26</td>
<td>Micropipettes Variable Volume, Fully autoclavable Volume:0.2μl to 2 μl</td>
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<td>Nos.</td>
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<td>27</td>
<td>Micropipettes Variable Volume, Fully autoclavable Volume:2μl to 200 μl</td>
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<td>Micropipettes Variable Volume, Fully autoclavable Volume:20μl to 200 μl</td>
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<td>Micropipettes Variable Volume, Fully autoclavable Volume:100μl to 1000 μl</td>
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<td>30</td>
<td>Micropipette tips with refillable box of 96/100 Volume 0.1 μl to 20 μl</td>
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<td>31</td>
<td>Micropipette tips with refillable box of 96/100 Volume 2μl to 200 μl</td>
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<td>32</td>
<td>Micropipette tips with refillable box of 96/100 Volume 50μl to 1000μl</td>
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<td>33</td>
<td>Centrifuge tubes with cap, pack of 100 Volume :1.5ml, pack of 100 Tubes</td>
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<td>Centrifuge tubes with cap, pack of 100 Volume :6.5ml, pack of 100 Tubes</td>
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<td>35</td>
<td>Centrifuge tubes with cap, pack of 100 Volume :15ml, pack of 100 Tubes</td>
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<td>Centrifuge Tube Racks with Holes for 20 or more tubes of 5ml</td>
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<td>Centrifuge Tube Racks with Holes for 20 or more tubes of 6.5ml</td>
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<tr>
<td>38</td>
<td>Centrifuge Tube Racks with Holes for 20 or more tubes of 15ml</td>
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<td>Nos.</td>
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Percentage of Discount (if any) offered by Manufacturer/ Dealer on Final Offer Cost ..........
Final Cost after Discount ........................................................................................................................................

(Signature of the Tenderers with Seal & Date)
## CHECK LIST FOR TERMS & CONDITIONS/DOCUMENTS

(To be filled by the Tenderer and attached with the Technical bid Document in Technical Bid Envelope)

<table>
<thead>
<tr>
<th>Sr. No</th>
<th>Description</th>
<th>Yes / No</th>
<th>Attached at Page No.</th>
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<tbody>
<tr>
<td>1</td>
<td>Details of Demand Draft /Banker’s Cheque(Bank name/ Amount/ Date ) of Rs. 2100/- on account of Tender Form Cost (Non Refundable ) including of VAT@5% in favour of “Director, AIIMS Bhopal” is enclosed with Technical Bid documents in Technical Bid Envelope.</td>
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<td>2</td>
<td>Details of EMD/Bid Security Demand Draft /Banker’s Cheque/FDR (Bank name/ Amount/ Date) of Rs. 50,000/- on account of EMD/Bid Security in favour of “Director, AIIMS Bhopal” is enclosed with Technical Bid documents in Technical Bid Envelope.</td>
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<td>4</td>
<td>Financial Bid/Price Bid as per ‘Annexure-VI’ contain all requested information duly Signed and Stamped must kept in Financial Bid Envelope.</td>
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<td>5</td>
<td>VAT Registration Certificate (enclose a copy of VAT Registration)</td>
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<td>6</td>
<td>Quotation being submitted directly by the manufacturer or authorized distributor ( enclose the necessary documentary proof) as per the format enclosed at “Annexure-V(B)”</td>
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<td>7</td>
<td>In case of Authorized distributor authority letter from manufacturer /principle is enclosed.</td>
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<tr>
<td>8</td>
<td>Copies of Financial Turnover (Rs. 50 Lacs.) for last Three years, Duly signed and stamped copies of Chartered Accountant/Company Secretary is enclosed, a letter from Chartered Accountant for intimating the last three financial years figures must accompany with Technical Bid.</td>
<td></td>
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<tr>
<td>9</td>
<td>Performance report/ List of organization(S) for supply of similar nature items, the copies of Supply/Purchase Orders are enclosed.</td>
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<td>10</td>
<td>Duly signed and stamped undertaking that</td>
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<tr>
<td></td>
<td>I. The firm has not been black listed in the past by any government/private/ organization.</td>
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<td>II. The firm has no vigilance case / CBI / FEMA case pending against him.</td>
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<td>III. The firm is not supplying the same item at the lower rate quoted in the tender to any Govt. organization or any other institute.</td>
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<tr>
<td>11</td>
<td>Literature / original Catalogue of the product attached.</td>
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<td>12</td>
<td>Compliance statement with relation to Tender specifications</td>
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<tr>
<td>13</td>
<td>Quality Certification documents as per tender terms &amp; Conditions/ Specifications. Please specify</td>
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<tr>
<td>14</td>
<td>The bids are numbered with pages from _________________ to _______________.</td>
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</tbody>
</table>

I /We have enclosed all the required documents at pages indicated above. In case above documents are not found enclosed, my/our quotation may be summarily rejected.

Signature & Seal of the bidder(s)
Details of the bidders:-
Name of the firm:-
Full Address for communication:
Phone No :-
Fax No :-
E- Mail Address :-