

Tender No: KIN/BIC/01/08

TENDER DOCUMENT

FOR

SUPPLY, INSTALLATION AND TESTING

OF

EQUIPMENTS / INSTRUMENTS / APPARATUS

FOR

BIOTECHNOLOGY INCUBATION CENTRE

AT

KINFRA HI -TECH PARK, KALAMASSERY

JULY 2008

Issued to:

Kerala Industrial Infrastructure Development Corporation
'Sreepadam', T.C. No. 31/2312, Sasthamangalam P.O.
Trivandrum - 695 010, Ph: 0471 - 2726585, 2724773(F)
Website: www.kinfra.com E-mail: kinfrapark@gmail.com

SHORT TENDER NOTICE

Kerala Industrial Infrastructure Development Corporation (KINFRA), a statutory body of the Govt. of Kerala, is setting up a Biotechnology Incubation Centre at the KINFRA Hi-Tech Park in Kalamassery, Ernakulam District. Sealed offers are invited from reputed manufacturers, or their authorized dealers / distributors, for the supply, installation and testing of the following equipments / instruments / apparatus:

Tender No.	Description	EMD (Rs.)	Delivery period
KIN/BIC/01/08	Laboratory equipments such as stirrer, vertical autoclave, pH meter, platform balance, vacuum oven, hot air oven, electronic balance etc.	As specified in bid format	3 months

Other information:

(a) Tender documents can be downloaded from the website www.kinfra.com or obtained during office hours on all working days till 27th August 2008 from the Park Centre, KINFRA Hi-Tech Park, Opposite Co-operative Medical College, Kalamassery-683503, Ph: 0484-2541650, 2559790 (b) The tender documents are not transferable (c) The tender documents can be submitted at the Park Centre till 2:00 p.m. on 28th August 2008 and will be opened at 2:30 p.m. on the same day. (d) Tenders submitted through e-mail or fax will not be considered. (e) KINFRA is not liable for non-receipt, delay or loss of document when sent / received by post or courier. (f) KINFRA reserves the right to issue tender documents and no claim shall be made by any supplier as a matter of right. (g) Further details can be obtained from the website www.kinfra.com

Trivandrum
29-Jul-08

Sd/
Managing Director

Supply of scientific equipments / instruments / apparatus

Terms and Conditions

1) Earnest Money Deposit

- a) The required Earnest Money Deposit (EMD), **as specified in the bid format and depending on the number of equipments / instruments quoted for**, shall be submitted along with the offer as a demand draft from a nationalized / scheduled bank drawn in favour of the **Managing Director, KINFRA**, payable at **Trivandrum**, otherwise the offer will not be accepted. The **details of the EMD amounts are given in Schedule-1**.
- b) The Earnest Money Deposit of the unsuccessful bidders will be returned after the placement of the order on the successful bidder. The EMD of the successful bidder will be released, without any interest, only after satisfactory installation and testing of the equipments / instruments / apparatus.
- c) The bidder should **quote for at least half the listed equipments / instruments / apparatus shown in Schedule-1 attached** to the tender document, otherwise the bid will not be considered.
- d) Non-execution of the Order will debar the bidder from any future purchase / inquiry from us. The Earnest Money Deposit of the successful bidder will be forfeited for non-execution of the order within the delivery period, subject to any extension granted by KINFRA.

2) Eligibility criteria

- a) A **signed list** of similar equipments / instruments / apparatus **supplied by the bidder to other research laboratories / institutes** of the State / Central Govt. departments / undertakings, large private concerns in the past 3 years, should be **furnished in the format specified (Annexure-1)**, indicating capacity, model, type of equipment, address of the parties to whom it has been supplied, order number and date (applicable to equipment, plant and machinery). **Self attested copies of Purchase / Supply Orders** should be attached, wherever possible.
- b) The bidder should have an **average annual turnover of Rs. 17 lakhs during the last three financial years**. Details should be **provided in the format specified (Annexure-2)** along with supporting documents like Balance Sheet, Profit & Loss Account etc.

3) Price

- a) The prices quoted by the bidder shall be **firm and fixed during the entire period of contract** and shall not be subject to any variation or escalation whatsoever, on any account.
- b) Prices shall be quoted only in Indian Rupees.
- c) Prices quoted shall be **for free delivery at KINFRA Hi-Tech Park, Kalamassery**, including service tax, KVAT, entry tax and all other applicable taxes and duties, packing and forwarding charges, insurance charges, loading / unloading charges at site etc., otherwise the offer will not be considered.
- d) The prices should be inclusive of installation and testing charges at the Biotechnology Incubation Centre, Kalamassery.

4) Validity

The offer shall be valid for 3 months from the date of opening of the tender.

5) Insurance

The goods supplied should be insured in favour of the bidder and for all risks, on warehouse to our site basis.

6) Warranty / Guarantee:

The supplier shall warrant that the goods supplied under the contract are new and unused and that the goods supplied under this contract shall have no defect arising from design, materials or workmanship or from any act or omission of the supplier, under normal use of the supplied goods. The supplier shall also guarantee that the goods supplied shall perform satisfactorily as per the designed / rated / installed capacity as provided for in the contract.

This warranty / guarantee shall remain valid for a minimum period of one year from the date of acceptance of the equipments / instruments / apparatus. Any defect arising out of the faulty installation or use of sub-standard materials or workmanship shall be rectified or the item replaced by the supplier at their own cost.

7) Payment terms

Full payment will be released to the bidder by demand draft / cheque only after satisfactory installation, testing and acceptance of all the equipments / instruments / apparatus at our end. However, the bidder can raise one part bill once they have supplied, installed and tested at least 50% of the items mentioned in the Order. No other payment terms will be accepted.

Statutory deductions like Income Tax etc. will be made while making payment. Deduction towards Works Contract Tax will be made, if applicable.

- 8) The **delivery period is three months**, which will have to be strictly adhered to by the bidder.
- 9) The installation and testing of the equipments / instruments / apparatus should be completed within two weeks from the date of arrival at site.
- 10) All the pages of the tender document should be signed, with seal, by the bidder. Unsigned tenders will be rejected.
- 11) Prices must be clearly written, or typed, in the bid format provided in the tender document, without any cutting or overwriting. In case of any cutting / overwriting the signature of the bidder should be put beside it.
- 12) The bidder should enter in the bid format (**Schedule-2**) the detailed specifications, name and address of the manufacturer etc. of the equipments / instruments / apparatus being offered by them, and enclose the relevant literature. Please refer to **Schedule-1** for the list of equipments and details about equipments.
- 13) Bids sent by post / courier should be enclosed in a **sealed cover and superscribed “Offer for supply of equipments / instruments for Biotechnology Incubation Centre”**. Tenders delivered by hand should be dropped into the tender box at the Park Centre, KINFRA Hi-Tech Park, Opposite Co-operative Medical College, HMT Colony P.O., Kalamassery - 683503, Ph: 0484- 2541650, 2559790.
- 14) Bids will be accepted till 2:00 p.m. on 28th August 2008. Bids sent through fax / e-mail will not be accepted. Bids received after the due date and time will not be accepted.

- 15) Bids will be opened at 2:30 p.m. on 28th August 2008 at the Park Centre, KINFRA Hi-Tech Park, Kalamassery, before the representative of the bidders who are present at that time.
- 16) Any other terms or conditions written or printed on the tender document by the bidder, or otherwise sent along with the tender, will not be accepted and will not be binding on us.
- 17) KINFRA reserves the right to issue tender documents and no claim shall be made by any supplier as a matter of right.
- 18) KINFRA reserves the right to accept or reject any tender and is not bound to accept the lowest offer, and can partially accept any or all the quotations received, without assigning any reason whatsoever.
- 19) The bidder shall mention the terms of the Annual Maintenance Contract for the maintenance of the equipments / instruments / apparatus offered, after the expiry of the guarantee period.
- 20) The following is the check list for documents / details to be entered or submitted along with the tender:
 - i) E.M.D as specified in clause (1)
 - ii) All pages of the tender document (pages 1 to 16) should be duly signed and sealed.
 - iii) Name and address of purchasers to whom the equipments / instruments quoted was supplied to be entered in Annexure-1, along with copies of the Purchase Orders, as specified in clause (2).
 - iv) Details of technical specifications to be entered in Schedule-2 with literature / brochure of the equipments / instruments quoted.
 - v) Details of after sales service and nearest location of Service Centre / Service Engineer for the equipments / instruments / apparatus quoted to be mentioned in Schedule-2.
 - vi) Details of average annual turnover should be entered in Annexure-2, along with supporting documents, as specified in clause (2).
 - vii) Rate and total amount should be entered in Schedule-2 for the equipments / instruments quoted.
- 21) For settlement of any disputes arising out of this contract, only Courts in Ernakulam District shall have jurisdiction.

SCHEDULE - 1**EQUIPMENT / INSTRUMENT SPECIFICATION**

Sl.	NAME OF THE EQUIPMENT / EQUIPMENT NUMBER / EQUIPMENT SPECIFICATION	EMD in Rupees
1	<u>VORTEX MIXER (RefNo:KBT/VOR/001)</u> Speed:- 100 – 3200 rpm; Supplied With Cup attachment, One hand attachment, One hand and Micro tube insert, Touch mode operation and manual	1125.00
2	<u>pH METER (Ref No:KBT/pH/002)</u> pH:- Resolution: -2.00 to 19.999 or 0 to 14 in aqueous solutions/0.1, 0.01, 0.001 Relative Accuracy:- ± 0.002 , Range-mV/RmV :- ± 1999.9 ORP : E_H autocalibration to standard hydrogen electrode , Resolution :- 0.1 Relative Accuracy :- $\pm 0.2mV$ or 0.05%, <u>Temperature</u> Range/Resolution :- -5 to 105°C/0.1 upto 99.9°C, 1.0 over 99.9°C , Relative Accuracy:- $\pm 0.1^\circ C$ Display :- Custom backlit LCD, for easy viewing , Advanced self-test and Diagnostics:- YES Power :- Universal power adapter 220V AC <u>Regulatory and safety :- CE, CSA, UL, TUV, FCC Class A limits</u> <u>Ambient Operating Temp:- 5 to 45°C , Relative Humidity :- 5 to 85% Non-Condensing</u> IP Rating:- IP54, Splash proof and dust proof	5075.00
3	<u>STIRRER (Ref No: KBT/STIR/003)</u> Speed : 100-1400 rpm, Capacity 5 liters, With bult in High power steel magnet, Power: 200 V 50/60 Hz, stabilizer Weight 2.0 Kgs. Appox High power steel magnet and ss316 Platform. Working condition 4-60°C and Dimension 15x16x10 cm (WxDxH)	4500.00
4	<u>HOT AIR OVEN (Ref No: KBT/AO/004)</u> External Dimensions (WxDxH):- 580x595x820mm Internal Dimensions(WxDxH):- 450x450x 450mm , Effective Capacity :- 90 litres (3.2 cu.ft) Exterior finish :- Baked acrylic finish on Galvanized steel Interior finish :- Stainless Steel Plate (SUS 304),Insulation :-Glass Wool Shelves :- 2, Heating System :- Forced Air Circulation System Temperature Control System:- Microprocessor PID control , Sensor :- Thermo Couple Temperature Setting :- Digital Setting(adjustable range: $\pm 1^\circ C$) Temperature/Timer Display :- Digital LED Display , Temperature range:- Ambient to 250°C	2500.00
5	<u>VERTICAL AUTOCLAVE (Electrically Operated) (Ref No:KBT/VACL/005)</u> Capacity :-50 litres, Temp. Range :- 105°C to 135°C Pressure Range :- 3 to 28.4 psi(0.2 to 2.0 kg/cm ³) , Pressure gauge :- needed	1500.00
6	<u>VACUUM OVEN (Ref No: KBT/VOV/006)</u> Outer MS Powder coated finish , Inner heavy gauge S. Steel argon welded & mirror polished SS304 guaze, 450x450x600 mm dimensions.,High reliability & low leakage rate., Toughened glass door for viewing.,0 to 30" / 0 to 760 mm of Hg Vacuum., Vacuum Gauge & Cock 3 Heat Switch / Energy Regulator for Precise control., Thermostat / Digital Controller / Micro Controller,Long lasting molded silicon gasket ,Temp.Range : Ambient + 50°C to 1300°C / 2500°C	3750.00

7.	<u>DIGITAL PLATFORM BALANCE OF 500 KG CAPACITY(Ref No: KBT/DBAL/007)</u> Capacity :- 500 Kg , Readability* :- 50 gm , Top Plate :- SS , Base Plate :- MSLoad Cell :- 1 No. , Platform Size** :- 700 X 700 mm FEATURES:- Simple Counting Function ,Built in Check weighing (HI/OK/LO) Comparator Function., Net / Total Formulation. , Simple to use Tare function with gross/Net weight display Microcomputer based design:-LCD display with backlight, IP 65 - (Total Protection Against Dust & Jet of water from all directions),Optional Battery back up for 12 hrs , Functions:- Class III/II Zero,Gross/Net function, Check weighing, Auto Power Off , The scales can be operated using an AC or DC power source	625.00
8	<u>DIGITAL PLATFORM BALANCE OF 200 KG CAPACITY(Ref No: KBT/DBAL/008)</u> Capacity :- 200 Kg , Readability* :- 50 gm , Top Plate :- SS , Base Plate :- MSLoad Cell :- 1No. Platform Size** :- 400 X 400 mm FEATURES:-Simple Counting Function,Built in Check weighing (HI/OK/LO) Comparator Function., Net / Total Formulation., Simple to use Tare function with gross/Net weight display, Microcomputer based design , LCD display with backlight , IP 65 - (Total Protection Against Dust & Jet of water from all directions), Optional Battery back up for 12 hrs , Functions:- Class III/II Zero,Gross/Net function, Check weighing,Auto Power Off, The scales can be operated using an AC or DC power source	625.00
9	<u>NORMAL ELECTRONIC BALANCE (Ref No: KBT/NBAL/009)</u> Capacity(g): 200g (with readability upto 3 digits) ,Response Time (average) :- 3 seconds Tare Range:- FULL to Capacity Selectable Weight Units: g,ct,lb,oz,ozt, tlh, tls, tlt, Gn,dwt, mg, parts/lb, tlc,mom,K, tol,bat,and MS Selectable Application Programs:- Mass unit conversion by toggling, tare memory, net total, weighing in percent, counting, averaging, Display:- digital numbers on LCD screen Allowable Ambient Operating Temperature :- 5° C to 40 °C , (41° F to 104° F) ,85% RH or less Sensitivity Drift(10° - 30°C/50°F-86°F): ± 2 ppm / °C , External Calibration:- 100g Pan Size:- ø90 mm / 3.5 in(standard round pan), Draft Shield Chamber Height (from pan to top of glass door):-133 mm / 5.23 in ,Dimensions(entire balance):- 200x 270x233 mm W x D x H :- 7.9 x 10.6 x 9.2 in , AC Power Source: - AC Adapter 120 VAC Power Consumption:-Approx. 16VA (supplied by AC adapter)	3000.00
10	<u>REFRIGERATOR (Ref No: KBT/FRI/010)</u> 300 Ltr Frost Free, Double Door ,Built in Stabilizer.	1500.00
11	<u>DEEP FREEZER (-20°C) (Ref No: KBT/DFRI/011)</u> Exterior dimensions wxdxh-800 x 832x 1810 mm,Interior dimensions wxdxh-640 x615 x 1090mm Effective capacity : 426 liters , Temperature range: -5°C to -20°C (Ambient Temp.30°C) Door-1 with built in latch ,Basket : top 6medium and bottom 8small Refrigeration :R404(HFC), Standard Voltage-230/240V,Voltage HZ-50 Hz Phase-1:-Microprocessor control- Audible and visual indication,Temperature alarm-Yes Power failure alarm- Audible and visual indication,Temperature display- Digital display,	750.00
12	<u>MICROWAVE OVEN (Ref No: KBT/MO/012)</u> 26 lts. (Convection type)	750.00
13	<u>HOT PLATE (Ref No: KBT/HP/013)</u> It should be with SS flat surface with30* 45 cm, rating 2000w, with temperature control	375.00
14	<u>HOT PLATE (HEATING MANTLE) - Ref No: KBT/HPM/014</u> It should be grooved with capacity to hold 250-1000ml flasks with the heating element on glass core, built in temp regulator, rating 300w	350.00

ANNEXURE - 1

Sl.	Equipment name / quantity supplied / capacity / model	Customers' name and address	Purchase Order No. and date
1			
2			
3			
4			
5			
6			

ANNEXURE-2

DETAILS OF ANNUAL TURNOVER

Please mention the annual turnover during the last three financial years in the table given below. The bidder should attach copies of the audited accounts of the last three financial years.

<u>Sl.</u>	<u>Year</u>	Turnover in Rs. (lakhs)
1	2005 –2006	
2	2006-2007	
3	2007-2008	

SCHEDULE - 2

Sl.	Description of equipment / item	Quantity (Nos.)	Rate (Rs.)	Total (Rs.)
1.	<u>Vortex Mixer</u> (RefNo:KBT/VOR/001)	3		
2.	<u>pH Meter</u> (Ref No:KBT/pH/002)	7		

SIGNATURE OF THE BIDDER

3.	<u>Stirrer</u> (Ref No: KBT/STIR/003)	6		
4.	<u>Hot Air Oven</u> (Ref No: KBT/AO/004)	2		
5.	<u>Vertical Autoclave (electrically operated)</u> (Ref No: KBT/VACL/005)	1		

6.	<u>Vacuum Oven</u> (Ref No: KBT/VOV/006)	2		
7.	<u>Digital Platform Balance (500 kg)</u> (Ref No: KBT/DBAL/007)	1		

8.	<u>Digital Platform Balance (200kg)</u> (Ref No: KBT/DBAL/008)	1		
9.	<u>Normal Electronic Balance (Ref No: KBT/NBAL/009)</u>	3		

10.	<u>Refrigerator</u> (Ref No: KBT/FRI/010)	4		
11	<u>Deep Freezer(-20°C)</u> (Ref No: KBT/DFRI/011)	1		
12	<u>Microwave Oven</u> (Ref No: KBT/MO/012)	2		

13	<u>Hot Plate</u> (Ref No: KBT/HP/013)	1		
14	<u>Hot Plate-Heating Mantle</u> (Ref No: KBT/HPM/014)	1		