

**MINUTES OF PRE BID MEETING HELD ON 05.01.2012 AT KINFRA HI-TECH
PARK KALAMASSERRY**

Manager (Technical) welcomed all the bidders participated in the in the pre bid meeting. Following points were discussed in the meeting.

GENERAL CONDITIONS

1. Whether old EMD submitted by the bidder can be considered ?

EMD for the same tender for the equipment which was submitted as DD can be considered. If there is any difference in amount additional DD has to be submitted. Bidder has to provide reference details of old EMD in the technical bid. If the EMD is Bank Guarantee either extended BG or fresh BG has to be submitted.

2. Bidders requested to include CIP price also along with CIF

CIP/CIF –Kochi offer can be submitted

3. It was a unanimous opinion that the condition regarding turn over and profit / loss during the past three financial year may be relaxed because they are quoting on behalf of multi national companies and any occasional loss in the last one or two years will not hamper the operation of the company in any way and as such services to the customers will not be effected.

Since it is part of eligibility criteria, relaxation cannot be given.

4. They requested that part-shipment of the equipment especially in respect of small consumable items which will not affect the initial installation and commissioning of the equipment may be considered.

Part shipment cannot be permitted

- 5 The bidders requested for extension of time for submission of the technical bid upto 16.01.2012, considering the difficulty preparation of the necessary documents during Ponkal festival.

The last date of receipt of tenders for purchase of equipments / instruments at KINFRA Hi-Tech Park, Kalamasserry is extended upto 11 a.m. on 17.01.2012. The tenders will be opened on 01.15 p.m. on 17.01.2012. All other terms and conditions remain unchanged.

6. For speedy finalization of tenders, a compliance statement should be included with the tender and the statement should clearly and unambiguously state whether the item offered meets the specifications given in the tender. The technical brochure should be provided along with tender and the compliance statement should be supported by appropriate references to the technical brochure.

Tender No. BIC/RB1/01/2011-Genetic Analyser

1. One of the representative of the bidder mentioned that the specification for Genetic Analyser was locked (Specific of a particular model). He was requested to mention the specific point / points which were model specific. It was then pointed out that we may consider system based on micro fluidic technology also, and a system that is not automatic. The representatives of two bidders requested that along with capillary technique microfluidic based technology also be included in the technical specification and the automatic sample loading auto sampler etc. also may be modified to manual operations.

As per the requirement of the project an Automatic system based on capillary b technique is required. Hence no change in the specification.

2. In the sample injection, electrokinetic or pressure mode are specified. The request was to consider others technologies also. Whether equivalent technologies can be considered?

Bidders can consider equivalent technologies .

Tender No.BIC/RB2/02/2011- Liquid Chromatograph- MS MS

1. In the tender it is mentioned 0.3 as the mass resolution Some of the representatives requested it to be changed to 0.5 units.

There is no change in mass resolution of 0.3 units.

2. Another suggestion was that the entire components should be purchased from the same manufacturer.

This condition is not accepted.

3. From specification number 10 the word ' advanced' may be removed.

Suggestion accepted.

4. In the tender it is specified for electron multiplier detector. A suggestion was to include photo multiplier detector also.

The specification may read as "electronic multiplier or photo multiplier with sensitivity matching electron multiplier:"

5. In the Specification point18, details of column to be provided.

The bidder has to supply two columns of 250 mm length with 5 microns particles and one column of 150 mm length with 3.2 micron particles, both C 18.

6. Under the general terms and conditions along with annexure of equipments there were a few points which were not relevant and those will be modified as follows :

- a. Documentation in triplicate on receipt of P.O.
- b. Running Trial Report.
- c. All brought out item catalogue, operation, maintenance - Manual & certificates.
- d. Performance / Guarantee certificates
- e. IQ, OQ, PQ, as per regulatory requirements
- f. Installation, operation & maintenance Manual
- g. Critical spares for two-year operation.

Tender No.BIC/RC1/03/2011 Refrigerated Centrifuge (Floor model)

1. Clarification was sought on the details of required rotators.

It was clarified that KINFRA will purchase initially 3 rotators and for this the bidder has to provide list of suitable rotators from which KINFRA will select as per our requirement .

Tender No.BIC/RB8/04/2011-Real Time-Polymerase Chain Reactor

1. The item mentioned as “desirable” shall be read as optional.
2. Essential consumables for start up and initial operation has to be included in the quote. Other chemicals and consumables required may be included as optional.

Tender No.BIC/RC5/07/2011 Fermenter 7 lit and Tender No.BIC/RC6/06/2011 Fermenter 20 lit

(Query from mail)

1. EMD exemption for NSIC?

There is no exemption for NSIC

2. Autoclave in URS whereas both the 7 and 20 ltr fermenters are of stainless steel MOC. We will be providing insitu sterilizable vessel. Hence autoclave will not be required. Please confirm.

OK

3. The measurement asked for is only temp and speed. Do Foam & PH Control is not mentioned ?

The revised specification is attached as Annexure A.

4. Asked for “suitable computer system with compatible software” Is hardware/computer part of the requirement?

Computer with necessary software has to be included.

Meeting concluded at 12.30 noon.

Note: Signed copy of minutes of prebid meeting has to be enclosed with technical bid.

Annexure A.

Revised Specification for tender no. BIC/ RC5/07/2011

Project	KINFRA Biotechnology Incubation Centre
Location	KINFRA Hi-tech Park, Kalamassery
Facility Name	Fermentation Facility

Equipment name	Fermenter (7 Ltr)
Quantity	One complete system

Specifications	
Volume	7 Ltrs
Material of construction	Stainless steel: SS316 O ring (EPDM silicon) Vessel type , Borosilicate glass with SS top plate
Maximum working Temp	130 °C
Max. pressure	2 Bar
Schedule of ports	Safety valve, Agitator Assembly Gas outlet, Light Gas, Pressure Gauge, pressure transmitter port.
Agitator	Shaft with 3 nos. Ruston turbine impellers, Single mechanical seal, Speed range: 100-900 with digital control.
Temp. measurement	Duplex temp. sensor Measurement accuracy±0.1°C Control accuracy ± 5rpm(Up to 40°C)
Aeration	Air Flow Standard Rotameter. Thermal Mass Flow Meter /Controller Inlet / Exhaust Filter: autoclavable PTFE filter cartridge with stainless steel housing Condenser: Exhaust condenser to minimize evaporation
pH	Range 0-14, Gel filled pH probe, Control through peristaltic pumps
Dissolved Oxygen	Range 0-100%, DO probe, Polographic, Control through air flow or speed or cascade
Anti Foam	Antifoam probe Control : Level Switch and Peristaltic Pump
Speed control	AC drive; Digital display Measurement accuracy +2 rpm Control accuracy ±5rpm

Control	Electronic instrumentation control with display for maintaining 100 to 1250 rpm
Accessories	Suitable Autoclave, air compressor and chiller unit Suitable computer system with compatible software.

Revised Specification for tender no. BIC/ RC6/06/2011

Project	KINFRA Biotechnology Incubation Centre
Location	KINFRA Hi-tech Park, Kalamassery
Facility Name	Fermentation Facility

Equipment name	Fermenter (20 Ltr)
Quantity	One complete system

Specifications	
Volume	20 Ltrs
Material of construction	Stainless steel 316: O ring (EPDM silicon)
Maximum working Temp	130 °C
Max. pressure	2 Bar
Schedule of ports	Safety valve , Agitator Assembly, Gas outlet, Light Gas, Pressure Gauge, Pressure transmitter port
Agitator	Shaft with 3 nos. Ruston turbine impellers Single mechanical seal Speed range: 100-900
Temp.measurement	Temp. Probe of $\pm 2^{\circ}\text{C}$

Aeration	Air Flow Standard Rotameter. Thermal Mass Flow Meter /Controller Inlet / Exhaust Filter: autoclavable PTFE filter cartridge with stainless steel housing Condenser: Exhaust condenser to minimize evaporation
pH	Range 0-14, Gel filled pH probe, Control through peristaltic pumps
Dissolved Oxygen	Range 0-100%, DO probe, Polographic, Control through air flow or speed or cascade
Anti Foam	Antifoam probe Control : Level Switch and Peristaltic Pump
Accessories	Suitable Autoclave, air compressor and chiller unit Suitable computer system with compatible software.