



भाकृअनुप - राष्ट्रीय केला अनुसंधान केंद्र
(भारतीय कृषि अनुसंधान परिषद)
तोगमलै रोड, थायनूर पोस्ट,
तिरुच्चिरापक्कि. - ६२० १०२. तमिलनाडु

ICAR - National Research Centre for Banana
(Indian Council of Agricultural Research)
Thogamalai Road, Thayanur P.O.
Tiruchirappalli - 620 102, Tamil Nadu, India



F.No.25(1)/2019-2020-SP / 3387

Date: 21.01.2020

Bids Inviting Notice

Sub : Bids (Double) inviting notice for the supply of "Fermentor" - Reg.

Bids (Double) - Technical AND Financial are invited by the Director, ICAR - NRC for Banana, Tiruchirappalli, Tamil Nadu, for the supply of "Fermentor" at the Laboratory Building of the ICAR - NRC for Banana, Tiruchirappalli, Tamil Nadu, as per specification and quantity furnished in the tabular column below:

Sl. No.	Specification	Qty
01.	"Fermentor" - as per specification overleaf	1 no.

The bidding firms should be registered with GST. Bidding firms should furnish **Technical Bid only** in the format of tabular column in the form of .pdf as per format furnished overleaf. The bidding firm(s) should invariably furnish the .pdf scanned copies of the documents sought in the tabular column. Bids of those firm(s) without valid / insufficient .pdf scanned copies of the documents will not be considered.

The financial bid(s) should be inclusive of Packing, Forwarding, Transit insurance, installation and other charges; exclusive of GST @ 5%. The bid should be FOR destination and delivery at the Laboratory building of the ICAR - NRC for Banana, Thogamalai Road, Thayanur Post Trichy - 620 102, Tamil Nadu. The validity of the financial bid should be kept open for a period of 180 days from the date of opening.

The details of authorized service firm in Tamil Nadu region should be mentioned without fail. Bid of those firms without authorized service firm in Tamil Nadu will not be considered. The equipment supplied should carry a warranty of Two years from the date of supply and installation. The payment terms will be only after successful supply / installation and certification by the end user of the equipment; besides furnishing necessary performance security @ 10% of the cost of the equipment; for a period of 26 months (i.e. warranty 24 months + 60 days) by the firm.

The bidding firms are requested to upload their technical in the form of .pdf scanned copies and financial bids (exclusive of 5% GST) in the BoQ format available in the - e-procurement of Central Public Procurement Portal on or before 13.02.2020 by 10.00AM. The bids will be opened on 14.02.2020 at 10.00AM.

The right to accept or to reject all or any of the bids in part or full is reserved.

Asst. Admn. Officer

Copy to:

1. The Nodal Officer- CPPP e - procurement
2. Mr.R.Neela Mega Shyamala Kannan, Stenographer Gr.III - Tender Creator
3. Mrs.C.Gomathi, A.F.A.O. - Tender Publisher
4. Dr.I.Ravi & Dr.V.Kumar, D.Ramajayam - Bid Openers,
5. Dr.M.Loganathan - Bid Evaluators

Phone : 0431 - 2618125 (30 lines) | Fax : 0431 - 2618126

Email : director.nrcb@icar.gov.in | directornrcb@gmail.com | aonrcb@gmail.com

Skype : nrcb.director | Website : www.nrcb.res.in



Format of Technical Bid

Sl. No.	Make	Model No.	Specification exactly as per the make / model quoted *	Whether Manufacturer OR Authorized Distributor / Dealer	If Manufacturer, furnish details of the manufacturing unit	If Authorized Distributor / Dealer Details of authorization with current validity (duly mentioning the details of manufacturer in col.no.6)	Name of the firm(s) to whom supplied (enclose copies of supply orders placed by various firms and their satisfactory installation report **)	Details of firm authorized service in Tamil Nadu region
1.	2.	3.	4.	5.	6.	7.	8.	9.

* .pdf scanned copy of the technical brochure should invariably be furnished;

** .pdf scanned copies of the supply orders and installation reports should be furnished without fail

Note : Technical bid(s) of firms without any or whole of valid .pdf scanned copies will not be considered.


 Asst. Admn. Officer

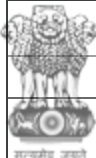

SS Fermenter of 50 lts. Working capacity

50 L working volume fermenter (S.S) with inner body 5 mm thick of S.S 316 and outer jacket of S.S 304 of 5 mm thick all inner connect parts shall be S.S 316 including strainer etc. Fixed at above ground with self ladder facility for inoculation and cleaning.

Technical Specifications:

1. Fermenter should be jacketed type for cooling, steam heating with Max. Working temperature of 150°C with Flat top and Dishedbottom.
2. Pressure in between 5-20 psi.
3. Pressure gauges: Shell, jacket.
4. Agitator-turbine type with fixed blades and variable speed of 40 to 400 rpm with a foam breaker. Agitation control using Variable Frequency drive is to be provided, Drive used should be of good quality.AC induction motor with gearbox is to be used.
5. All ports should be made of S.S.316
6. Ports on top plate: For Safety valve, water inlet to shell, Temperature with thermo-well,Pressure gauge, Air inlet with ring sparger system with holes in the bottom, Air outlet, inoculation, view glass, one view glass shall be fitted with an illumination lamp in an enclosed chamber.
7. Ports on Bottom dish; For both outlet, total drain.
8. Air filters should be cartridge type primary filter with rating: <0.1 micron with operating pressure of 5kg/cm.
9. Digital temperature indicator cum controller must be provided with probe.controller is to be of Microprocessor based Digital type with in-built Timer for Setting sterilization time (1 to 999mins).
10. Aeration system: Absolute PTFE filter with 0.1 microns for both Air inlet, outlet with by-pass line to be present. Filters are to be enclosed in a SS housing with necessary pipelines.
11. Future upgradation for pH, DO, Antifoam controls provision are to be available.
12. Equipment is to be supplied complete with Utilities namely
 - a. **Steam Generator** - Electrically operated with 12Kw (2x 6Kw) 3 phase power suitable for sterilization of 50Lfermenter.It should be fitted with drain valve, steam valve, pressure gauge, safety valve, water level indicator, piping and electrical control panel with all safety devices. Facility to operate heating elements individually should be provided. Max steam output: 24-30 kg/hr. Operating pressure atleast 4bar. Equipment should be mounted on wheels for easy portability. Automatic water level maintenance with feed pump and automatic cut off if water level is low.
 - b. **Air compressor:** Capacity: 50 lpm output, with 1HP AC induction motor, with 100 lpm reservoir tank, output pressure max 8 bar. to be supplied


Asst.Admn.Officer

 Government eProcurement System		eProcurement System Government of India			
Tender Details					
					Date : 21-Jan-2020 03:21 PM
 Print					
Basic Details					
Organisation Chain	Department of Agricultural Research and Education Indian Council of Agricultural Research,DoARE,MoA National Research Centre for Banana-Tamil Naidu				
Tender Reference Number	F.No.25(1)/2019-2020-SP/3387				
Tender ID	2020_DARE_537866_1				
Tender Type	Open Tender	Form of contract	Supply		
Tender Category	Goods	No. of Covers	2		
General Technical Evaluation Allowed	No	ItemWise Technical Evaluation Allowed	No		
Payment Mode	Not Applicable	Is Multi Currency Allowed For BOQ	No		
Is Multi Currency Allowed For Fee	No	Allow Two Stage Bidding	No		
Cover Details, No. Of Covers - 2					
Cover No	Cover	Document Type	Description		
1	Fee/PreQual/Technical	.pdf	Fermentor		
2	Finance	.xls	Fermentor		
Tender Fee Details, [Total Fee in ₹ * - 0.00]				EMD Fee Details	
Tender Fee in ₹	0.00	Fee Payable To	Nil	EMD Amount in ₹	0.00
Fee Payable At	Nil	Fee Payable At	Nil	EMD through BG/ST or EMD Exemption Allowed	No
Tender Fee Exemption Allowed	No			EMD Fee Type	fixed
				EMD Percentage	NA
				EMD Payable To	Nil
				EMD Payable At	Nil
Work /Item(s)					
Title	F.No.25(1)/2019-2020-SP/3387				
Work Description	Supply of Fermentor				
Pre Qualification Details	Please refer Tender documents.				
Independent External Monitor/Remarks	NA				
Show Tender Value in Public Domain	Yes				
Tender Value in ₹	6,00,000	Product Category	Equipments (Hospital / Lab)	Sub category	NA
Contract Type	Tender	Bid Validity(Days)	180	Period Of Work (Days)	45
Location	ICAR - NRC for Banana	Pincode	620102	Pre Bid Meeting Place	NA
Pre Bid Meeting Address	NA	Pre Bid Meeting Date	NA	Bid Opening Place	ICAR - NRC for Banana
Should Allow NDA Tender	No	Allow Preferential Bidder	No		
Critical Dates					
Publish Date	21-Jan-2020 06:00 PM	Bid Opening Date	14-Feb-2020 10:00 AM		

Document Download / Sale Start Date	21-Jan-2020 06:00 PM	Document Download / Sale End Date	13-Feb-2020 10:00 AM
Clarification Start Date	21-Jan-2020 06:00 PM	Clarification End Date	13-Feb-2020 10:00 AM
Bid Submission Start Date	21-Jan-2020 06:00 PM	Bid Submission End Date	13-Feb-2020 10:00 AM

Tender Documents

NIT Document	S.No	Document Name	Description	Document Size (in KB)
	1	Tendernotice_1.pdf	Fermentor	125.82

Work Item Documents	S.No	Document Type	Document Name	Description	Document Size (in KB)
	1	BOQ	BOQ_563354.xls	Fermentor	275.50

Bid Openers List

S.No	Bid Opener Login Id	Bid Opener Name	Certificate Name
1.	iravi24@gmail.com	Ravi I	IYYAKUTTY RAVI
2.	kumarnrcb@gmail.com	Kumar V	VADIVEL KUMAR
3.	ramajayamd@gmail.com	Ramajayam Devarajan	RAMAJAYAM D

Tender Inviting Authority

Name	Director
Address	ICAR - NRC for Banana Thogamalai Road, Thayanur Post, Tiruchirappalli Tamil Nadu

Tender Creator Details

Created By	Neela Mega Shyamala Kannan Ramalingam
Designation	Stenographer
Created Date	21-Jan-2020 03:07 PM