



राष्ट्रीय केला अनुसंधान केन्द्र  
(भारतीय कृषि अनुसंधान परिषद)  
तोगामलै रोड, थायनुर पोस्ट,  
तिरुचिरापल्लि. - ६२० १०२. तमिलनाडु

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

F.No.9-4(58)/2016-Estt./ 3622-3639

Dated : 12.05.2016

To

Sir/s,

Quotations are invited by the Director, ICAR – NRC for Banana, Tiruchirapalli for the supply and installation of Nano softener plant as per the specifications given below.

S. No.	Description	Qty.
1.	Supply and installation of Nano softener plant as per the specification enclosed in the Annexure – I	1 No.

1. Quotations should be inclusive of all packing, forwarding, Insurance, freight, etc. quotations exclusive of packing and freight charges, etc. should indicate the amount that shall be charged on this account.
2. Complete descriptions, specifications and make of the goods should be given in the quotations. Necessary literature and pamphlets if any also be sent along with the quotation. Rate per unit should also be given precisely and delivery period clearly mentioned.
3. **THE FIRM SHOULD INVARIABLY QUOTE THE TIN, CST NO. ETC. ON THE BODY OF THE LETTER HEAD IN WHICH THE QUOTATION IS SENT, IF NOT YOUR QUOTATION WILL BE REJECTED.**
4. The quotation should be F.O.R. destination and should be kept open for 180 days from the date of quotations. Delivery at the Institute premises at ICAR – NRCB Office-cum-Laboratory Building, Near Thayanur Post, Thogamalai Road, Tiruchirapalli – 620 102 / ICAR – NRCB Research Farm, Podhavur Village, Inampuliyur Post, Via Kulumani, Tiruchirapalli – 639 103 (Tamil Nadu) is preferable.

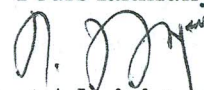
5. The quotations should be addressed in the name of "DIRECTOR, ICAR – NATIONAL RESEARCH CENTRE FOR BANANA, Thogamalai Road, Thayanur Post, Tiruchirapalli – 620 102 (Tamil Nadu) should reach on ~~23.05.2016~~ (Monday) by 12.00 PM, in a sealed cover super scribing "QUOTATIONS FOR SUPPLY AND INSTALLATION OF NANO SOFTENER UNIT". FAILURE TO DO SO WOULD RESULT IN REJECTION OF QUOTATION.

26.5.16  
THURSDAY

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

NOTE: You are requested to send your quotations through "SPEED POST" only and not through "COURIER SERVICE".

Yours faithfully,



Assistant Administrative Officer

12/5/2016

Copy to:

1. The Chairman (WLM)
2. The Chairman (PMEC) - for uploading in NRCB website
3. Member Secretary (WLM)
4. The Nodal Officer (CPPP) - for uploading in CPP Portal
5. Pvt. Secy. To Director

## ANNEXURE – I

**THE SYSTEM CONFIGURATION FOR NANO SOFTENER PLANT**

S.No.	Description	Qty.
1.	Multi Grade Filter Sand & Activated Carbon Filter	1 No.
2.	Nano Softener	1 No.
3.	20" Slim Micron Filter	2 Nos.
4.	Storage tank for raw water and filtered water	1 No. (10000 Lts)
5.	Civil work	As your scope
6.	Electrical power & plumbing work	As your scope
7.	Inter connection pipe line UPVC	As your scope

**INTRO TECHNICAL SPECIFICATION SHEET FOR 1000LPH SOFTENER PLANT**

S.No.	Description	Qty.
1.	Multi Grade Sand & Carbon Filter (1054)	1 No.
2.	25 Nb Multi port valve	1 No.
3.	Sand, Pebbles, Silica	20 Kgs.
4.	Granular activated carbon filter	10 + 8 Kgs
5.	1054 Frp Vessel	1 No
6.	Nano Resin	6 Ltr
7.	Micron Filter Cartridge with housing 20" jumbo	2 Nos.
8.	Flow meters (0-1200)	1 No.
9.	Pressure gauges (SS)	3 Nos.
10.	UPVC Pipes & Fittings	1 No.
11.	NRV (Non Return Valve)	2 Nos.

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**TECHNICAL SPECIFICATION SHEET 1000 LPH SOFTENER**

1. Multi grade sand &amp; Carbon Filter (1054) flow - 1000 Ltr / hour rate

Dimensions	1054 vessel
Inlet pressure	1.50 Kgs / cm <sup>2</sup> (max)
Material	FRP
Vessel make	Aventura
Vessel colour	Natural
Media	Pebbles, Silux, Carbon, Zeosorb
Multi Port Valve	25 Nb Multi Port Valve
Brand	Solo FFF Valve

2. Nano water softener Filter Flow rate - 1000 Ltr / hour

Dimensions	1054 vessel
Inlet pressure	3 Kgs / cm <sup>2</sup> (max)
Material	FRP
Media	Nano Resin Sp3
Multi Port Valve	1" Adaptor

3. Micron filters Flow rate - 1000 Ltr / hour

Inlet pressure	1 Kg / cm <sup>2</sup> (max)
Material	PP
Micron rating	5 microns
Quantity	2 Nos.
Cartridge size jumbo	20" length jumbo
In & out	1" Bsp Thread

4. Other Accessories

Flow meter	1 No
Pressure gauge	3 Nos.
Nrv	2 Nos.
Ball valves	As your scope
Prv	2 No
Vacuum braker	2 No