



भाकृअनुप-राष्ट्रीय केला अनुसंधान केंद्र  
(भारतीय कृषि अनुसंधान परिषद)  
थोगमलै रोड, थायनूर पोस्ट.  
तिरुचिरापल्लि. - 620 902. तमिलनाडु

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



F.No.28(1)/2017-2018-SP

4262-4273

Date: 24/10/2017

To

Sub : Quotation for providing "Water Softener System" to the Office of the ICAR – NRCB, Trichy – Reg.

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Sir/s,

Quotations are invited by the Director, ICAR – NRCB, Trichy for providing "Water Softener System" to the office of the ICAR – NRCB, Trichy, as per the specifications given below:-

| Sl. No. | Specification  | Qty   |
|---------|--|-------|
| 01      | Water softener system for removing salts and scales from water tanks in Lab Building Complex, Biotech Building and Administrative block.<br>(as per specifications enclosed) | 2nos. |

You are requested to quote your competitive rate(s) for undertaking the above work. Your quotation addressed to the Director, ICAR – National Research Centre for Banana, Thogamalai Road, Thayanur Post, Tiruchirapalli – 620 102 (Tamil Nadu), should reach this office on or before **06.11.2017 by 3.00PM** in a sealed cover superscribing "Quotation for "Water Softener System" – Due on 06.11.2017 by 3.00PM".

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,

Asst. Admn. Officer

Copy to:

1. The Chairperson (SPAC)
2. The Chairman-PMEC for uploading in NRCB website
3. Member Secretary (WLM)
4. The Nodal Officer- CPPP for uploading in CPP Portal
5. Mr.D.R.C.Moorthy, Tech.Officer-Indentor
6. PS to Director

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

Email : directornrcb@icar.gov.in | directornrcb@gmail.com | saonrcb@gmail.com

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



एक कदम स्वच्छता की ओर

## SPECIFICATION for Nano Softener Plant

| S.No | DESCRIPTION                                       | QUANTITY          |
|------|---|-------------------|
| 1    | Multi Grade Filter Sand & Activated Carbon Filter | 1 No              |
| 2    | Nano Softner                                      | 1 No              |
| 3    | 20" Slim Micron Filter                            | 2 No              |
| 4    | Storage tank for raw water and filtered water     | 1 No. (10000ltrs) |
| 5    | Civil Work  | As Required       |
| 6    | Electrical Power & plumbing work                  | As Required       |
| 7    | Inter Conection PipeLine UPVC                     | As Required       |

## INTRO TECHNICAL SHEET for 2000Lph Softner Plant

|    |   |                   |
|----|---|-------------------|
| 1  | Multi Grade Sand & Carbon Filter (13x54)      | 1 nos             |
| 2  | 40 Nb top mount Multi port Valve              | 1 nos             |
| 3  | Sand ,Pebbles,silux                           | 80 Kgs            |
| 4  | Granual Activated Carbon Filter,zeosorb       | 50 Kgs            |
| 5  | 13x54 Frp Vessel                              | 1 No              |
| 6  | Nano Resin                                    | 12 Ltr            |
| 7  | Micron Filter Catridge With Housing 20" Jumbo | 2 nos             |
| 8  | Flow Meters (0-1200)                          | 1 nos             |
| 9  | Pressure Guages ( SS )                        | 3 nos             |
| 10 | UPVC Pipes & Fittings                         | 1 set as required |
| 11 | Nrv (Non Return Valve )                       | 2 nos             |
| 12 | 1HP single phase monoblock pump               | 1 no              |

## TECHNICAL SPECIFICATION SHEET 2000 LPH Softener

### 1. Multi Grade Sand & Carbon Filter (13x54)

|                  |   |
|------------------|---|
| Dimensions       | 13x54 VESSEL.                           |
| Inlet pressure   | 1.50 kgs / cm <sup>2</sup> (max)        |
| Material         | FRP                                     |
| Vessel Make      | Aventura /Magnum/ Aquanimics/Equivalent |
| Vessel Colour    | Natural / blue                          |
| Media            | Pebbles Silux , Carbon,                 |
| Multi Port Valve | 40 Nb Multi Port Valve                  |
| Brand            | solo TMF Valve                          |

**2. Nano Water Softner Filter Flow rate -2000 lit / hour**

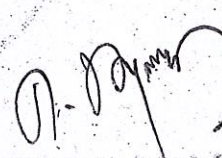
|                  |   |
|------------------|---|
| Dimensions       | 13X54 VESSEL.                             |
| Inlet pressure   | 3 kgs / cm <sup>2</sup> (max)             |
| Material         | FRP                                       |
| Media            | Nano Resin Sp3                            |
| Multi Port Valve | 1.5" Adoptor                              |
| Make             | Aventura / Magnum / Aquanimics/Equivalent |

**3. Micron Filters Flow rate - 3000 lit / hour**

|                      |                                   |
|----------------------|-----------------------------------|
| Inlet pressure       | 1.00 kgs / cm <sup>2</sup> ( max) |
| Material             | PP                                |
| Micron rating        | 5, microns                        |
| Quantity             | 2 nos.                            |
| Cartridge size Jumbo | 20" Length Jumbo                  |
| In & Out             | 1.5" Bsp Thread                   |

**4. Other Accessories**

|                |             |
|----------------|-------------|
| Flow meter     | 1 nos.      |
| Pressure gauge | 3 nos.      |
| Nrv            | 2 nos       |
| Ball Valves    | As Required |
| Prv            | 2 no        |
| Vaccum Braker  | 2no         |

  
  
Assistant Administrative Officer