

## **QUOTATION NOTICE.**

Sub:- Procurement of Water Purification System – reg.

Sealed quotations are invited superscribed “Quotation for Water Purification System “ conforming to the detailed specifications and directions given in annexure -1.

Offer addressed to the Director (Res), Indian Cardamom Research Institute, Spices Board, Sugandha Bhavan, Palarivattom, Cochin – 25, should reach this office before 4 p.m. on 31.01.2007. Quotations should provide the detailed specifications of the item on offer with the name of the brand, terms and conditions of supply, service, delivery period etc.

Quotations will be opened in the presence of representatives of the bidders, if any present, at 4 pm on 31.01.2007.

The Spices Board reserves the right to accept or reject the quotation without assigning any reason.

### **Spices Board**

(Ministry of Commerce and Industry, Govt. of India)  
Sugandha Bhavan, N.H.By-pass, P.B.No.2277  
Palarivattom P.O, COCHIN – 682025  
KERALA, INDIA.

## Specifications for Water Purification System for HPLC Mobile Phase

Quotations are invited for a Water Purification System meeting the specifications given below. All the required information is to be provided along with the quotation.

No.	Requirement	Features
1.	A heavy-duty Water Purification System capable of producing ultra-pure, HPLC Gradient Grade water from ordinary tap water supply	<ul style="list-style-type: none"> <li>a. The water produced by the system should be ready to use with HPLC and LCMS/MS systems.</li> <li>b. Water quality monitoring and maintenance requirements should be available as on-screen display.</li> <li>c. Point-of-use dispensing feature should be available.</li> <li>d. Capable of handling feed water quality of up to 2000 uS/cm, fouling index &lt; 12 and total chlorine &lt; 3 ppm</li> <li>e. UV Lamp for reducing bacteria content</li> <li>f. The following technical requirements for the product ultra-pure water should be met, and the relevant values should be provided in the quotation: <ul style="list-style-type: none"> <li><del>///</del> Resistivity 18.2 M<math>\Omega</math> ? at 25°C</li> <li><del>///</del> TOC Levels 1 – 5 ppb</li> <li><del>///</del> Bacteria &lt; 1 cfu/ml</li> <li><del>///</del> Particulates larger than 0.22 <math>\mu</math>m &lt;1 P/ml</li> <li><del>///</del> Flow Rate atleast 1.5 L/min</li> <li><del>///</del> Should be able to remove 95 – 99% of all inorganic ions and 99% of dissolved organic substances</li> </ul> </li> <li>g. Electronic display of resistivity and temperature, with TOC set-point alarm</li> <li>h. Facility to upgrade the system to more stringent product requirements at a later stage</li> <li>i. System should comply with validation requirements like IQ/OQ/PQ</li> <li>j. Should meet international ISO standards</li> </ul>
2.	Accessories	All required accessories for connections to inlet and dispensing points, and any other special requirements for optimum operation of the instrument, should be included.
3.	Spares and Consumables	All required spares and accessories for trouble-free operation of the instrument for a period of <b>two years</b>

		are to be quoted.
4.	Warranty Information	Complete warranty information, and details of the servicing centre nearest to Cochin should be included.
5.	Users List	The complete users list of the <b>quoted system</b> in India with contact information should be included.
6.	Compliance Statement	A statement of compliance of the quotation with the requirements in this specification should accompany the quotation.