

**3.SPICES BOARD**  
**(Ministry of Commerce and Industry, Govt. Of India) Sugandha Bhavan,**  
**N.H. By-pass, Palarivattom, Kochi-682 025**

No. QEL-PUR/Chemicals requirement in QELS-2015

08.10.2015

**QUOTATION NOTICE**

Sealed quotations are invited for the supply of Immuno Affinity Columns and its accessories, for the Board's Lab located at Kochi/Chennai/Mumbai/Tuticorin/Delhi/Guntur etc. The material should be supplied at the respective laboratories, which will be intimated on acceptance of the quotations. See Annexure-I for specifications

**Terms and Conditions**

1. The Quotation will be valid for the period from October 2015 to December 2016 and the rate for each item should remain constant for this period.
2. The items should be supplied as per the order to our Laboratories located at various places in India, within the periods stipulated in the order.
3. Staggered supply should be made as per the requirements against in the order.
4. The order is liable to be cancelled, if the supply is not made during the period specified in the purchase order.
5. If the party fails to supply the items within the stipulated period as specified in the purchase order, the name of the party will be blacklisted from the list of suppliers.
6. The item supplied will be rejected if the quality is not satisfactory, as per the grade specified in the tender, and the party will be blacklisted from the list of suppliers on subsequent similar incident.
7. The rate quoted for the Immuno Affinity columns and accessories should be inclusive of all taxes and all other charges if any.
8. Payment of the supplied items will be made on receipt of the items sin full and in good condition at the labs concerned.
9. Quotation should give the name of the Immuno Affinity columns offered, purity/grade, brand name, terms & conditions of supply and the minimum delivery period.
10. The quotation should be submitted at its lowest rate. Clarification if any can be had from the undersigned (e-mail to [sbgel@indianspices.com](mailto:sbgel@indianspices.com))
11. The cover containing should be super scribed "Quotation for Immuno Affinity Columns and its accessories" and should be sent to the Scientist-D & Head, Quality Evaluation Laboratory, Spices Board, Sugandha Bhavan, N.H. By-Pass, Palarivattom, Kochi-682025.
12. Late quotations will not be accepted. The quotations will be opened in the presence of bidders or their authorised representative who may be present at the venue.

<b>Last Date &amp; Time for the receipt of quotations</b>	<b>30/10/15 5:00 pm</b>
<b>Date &amp; Time of opening of the quotations</b>	<b>02/11/15 11:00 am</b>

13. The Spices Board reserves the right to accept the quotation in full or in part or to reject without assigning any reason at any stage.

**Encl:**

**Annexure-1:** Specifications for Immuno Affinity Columns and its accessories (2015-16)

**Secretary**

**ANNEXURE -1**  
**REQUIREMENT OF IMMUNOAFFINITY COLUMNS AND ACCESSORIES**  
**2015-16**

The following items I to IV maybe quoted collectively (with breakup prices) or separately (item wise). All technical claims should be substantiated by data.

**The vendors quoting for immunoaffinity columns must necessarily quote for filter papers in section III.**

**I. Immunoaffinity columns for Aflatoxins and accessories**

No.	Specifications	Details
1	<b>Immuno affinity monoclonal-antibody columns for analysis and Quantification of Aflatoxins B2, B1, G2 and G1 at ug/kg (ppb) levels (0.5 ppb to 300 ppb)</b>	
2	Number of columns required	<b>65,500</b>
3	Mode of supply	Staggered supply in batches as required, over the year. Order will be placed in batches as per requirement, over the 2015 -2016 period.
4	Place of Supply	<b>Anywhere in India</b> , as intimated from Spices Board Head Office during the supply of each batch.
5	Recovery from spiked samples for Aflatoxins B1,B2,G1,G2 using HPLC with fluorescence detector	At least 85%. <b>Should be substantiated by analytical data (include the same with the quotation).</b>
6	Background interference in HPLC fluorescence detector	<0.5 ug/kg (ppb)
7	Sensitivity	Better than 0.1 ug/kg (ppb) with a wide range. <b>The high limit for the column has to be specified.</b>
8	Shelf life	At least 15 months shelf life at <b>room temperature after supply</b> (20 - 25°C).
9	<b>Compatibility requirement</b>	Should be compatible with <b>Vicam 12-position pump stand or equivalent</b> (Column should have 5mm aperture diameter at the upper end) for elution. If not compatible, <u>12 numbers of an adapter</u> to be fixed at the upper end of the column which has an upper aperture diameter of 5mm should be made available.
10	Certification	Columns should have AOAC collaborative test approval/ AOAC performance test approval / approval from an equivalent international technical Body. Proof should be submitted along with the quotation.
		Certificate of confirmation from USFDA or any other equivalent international regulatory agency should be available. Proof should also be submitted along with the quotation.
11	Other requirements	Columns should be supplied with certificate of analysis, % of recoveries for each Aflatoxin and <u>batch-wise expiry date</u> , with a minimum of 85% recovery.

12	Multi-Position elution stand - An elution stand capable of handling a minimum of 12 numbers of the quoted columns simultaneously should be quoted. The elution stand should have positive pressure air pumps for each position to facilitate fast and easy elution.	7 Nos.
13	Details of full validation of Aflatoxin Analysis using the postcolumn derivatization system, including chromatograms and LOQ confirmation at 0.5ppb using HPLC - Fluorescence Detector, should be provided.	Should be submitted along with the quotation.
15	Chemicals required	Any <u>buffer solution</u> or <u>other chemicals</u> required for use with the columns for HPLC - FD analysis should be included in the quotation, and made available during the supply of the columns in required amounts.
16	Users' List	A complete users list, with <u>user contact designation, phone numbers and email id</u> , for the <b>quoted brand</b> of columns <b>in India</b> should be included along with the quotation.
17	<u>Undertaking of Quality Assurance:</u> Any batch of columns, which proves to be unsuitable due to low recovery, slow elution rate ( <u>not more than 3minutes (maximum), for 10ml elution</u> ) etc., should be replaced immediately free of cost.	Undertaking to be provided along with the quotation.
18	Other requirements	Any other accessory required for using the columns should be quoted in required numbers and should be made available along with the columns.
19	<b>Sample Columns</b>	<u>Ten numbers</u> of sample columns, which is proposed to be supplied against the tender, need to be included with the quotation <b>for evaluation</b> , along with necessary accessories required (if any) for the elution and it will not be returned.
20	<b>EMD</b>	A sum equivalent to 2% of the quoted amount may be submitted along with the quotation, by means of Demand Draft drawn in favour of <b>Secretary, Spices Board, payable at Kochi</b> , as EMD, which will be returned after finalizing the order.
21	<b>Compliance statement</b>	A duly signed statement of compliance, by the authorised company representative with each point in this technical specification should necessarily accompany the quotation <b>without which the quotation will not be considered.</b>

## II. Immunoaffinity columns for Ochratoxin A

### Specification for IAC columns for Ochratoxin A

No.	Specifications	Technical Requirement
1	Immunoaffinity monoclonal- antibody columns for analysis and Quantification of Ochratoxin A at ug/kg (ppb) levels ( 1 ppb to 300 ppb)	Immunoaffinity monoclonal- antibody columns for analysis and Quantification of Ochratoxin A at ug/kg (ppb) levels
2	Number of columns required	2000 columns
3	Mode of supply	Staggered supply in batches as required, over the year. Order will be placed in batches as per requirement, over the 2015-16 period.

4	Place of Supply	Anywhere in India, as intimated from Head Office during the supply of each batch.
5	Recovery from spiked samples for Ochratoxin A using HPLC with fluorescence detector	At least 85%. Should be substantiated by analytical data (include the same with the quotation).
6	Background interference in HPLC fluorescence detector	<0.5 ug/kg
7	Sensitivity	Better than 0.1 ug/kg with a wide range. The high limit for the column has to be specified.
8	Shelf life	At least 15 months shelf life at room temperature (20 - 25°C).
9	Compatibility requirement	Should be compatible with Vicam 12-position pump stand or equivalent
10	Certification	Columns should have AOAC collaborative test approval/ AOAC performance test approval / approval from an equivalent international technical Body. Proof should be submitted along with the quotation.
11	Certificate of confirmative from USDA or any other equivalent international regulatory agency should be available. Proof should also be submitted along with the quotation.	Certificate of confirmative from USDA or any other equivalent international regulatory agency should be available. Proof should also be submitted along with the quotation.
12	Other Requirements/Traceability	Columns should be supplied with certificate of analysis, % of recovery for Ochratoxin A and <u>batch-wise expiry date</u> , with a min. of 85% recovery
13	Details of full validation of Ochratoxin A Analysis using the post column derivatization system, including chromatograms and LOQ confirmation at 0.5 ppb using HPLC - Fluorescence Detector, should be provided.	Validation Data to be included with the quotation.
14	Chemicals required	Any <u>buffer solution</u> or <u>other chemicals</u> required for use with the columns for HPLC - FD analysis should be included in the quotation
15	Users' List	A complete users list, with <u>user contact, phone numbers and email id</u> , for the quoted brand of columns in India should be included along with the quotation
16	<u>Undertaking of Quality Assurance</u> : Any batch of columns, which proves to be unsuitable due to low recovery, slow elution rate ( <u>not more than 3 minutes maximum for 10 ml elution</u> ) etc., should be replaced immediately without charge.	Undertaking to be provided along with the quotation.
17	Other requirements	Any other accessory required for using the columns should be quoted in required numbers and should be made available along with the columns.

18	Sample Columns	<u>Ten numbers</u> of sample columns, which is proposed to be supplied against the tender, need to be included with the quotation for evaluation, along with necessary accessories required (if any) for the elution.
19	Bank Guarantee	A <u>Bank Guarantee of 10% of the order value for each batch of columns</u> will be required for the supply of the columns before releasing the purchase order.
20	Compliance statement	A duly signed statement of compliance, by authorised company representative, with each point in this technical specification should be provided

**III. Filter papers for Aflatoxins and Ochratoxin-A Analysis.**  
**Parties quoting for filter papers only should necessarily produce a certificate of compatibility from at least one reputed aflatoxin / ochratoxin immunoaffinity column manufacturer along with the quotation.**

1	a) Fluted filter paper with 240mm diameter, suitable for mycotoxin analysis. b) Glass micro fibre filter papers as per the standard procedure (ASTA 24.1) should be quoted even if not required as per the normal procedure for usage of the quoted columns.	Equal to the number of columns (65000 for Aflatoxins and 2000 for Ochratoxin A) should be supplied. Itemised price should be quoted for each type of filter paper.
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**IV. Post Column Derivatisation System**

14	Post Column Derivatization Systems of Electrochemical or Photochemical Type for use with HPLC System with Fluorescence Detector, which guarantee a quantification limit of 0.5ppb for Aflatoxin B1, B2, G1 and G2. All necessary connection tubings to HPLC should be provided.	15 Nos.
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