

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

12-06-15

QUOTATION NOTICE

Sealed quotations are invited from the suppliers of chemicals and consumables, as and when required 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. Annexure-I for specifications and list of chemicals.

Terms and Conditions

1. The Quotation will be valid for the period from 12/6/15 to 12/6/16 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 chemicals/consumables 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 chemical/consumable 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)
11. The cover containing should be superscribed "Quotation for Chemicals and Consumables" 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.

Last Date & Time for the receipt of quotations	13-07-15 5:30 PM
Date & Time of opening of the quotations	14-07-15 10:00 AM

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: Annual Requirement of major chemicals – all labs (2015-16)

Annexure-2: Requirement of Aflatoxin Immunoaffinity Columns for the Year 2015 - 16

Secretary

ANNEXURE 1
ANNUAL REQUIRMENTS OF MAJOR CHEMICALS - ALL LABS (2015-16)

SI. NO.	Name of Chemical / Consumable	Tuticorin	Guntur	Chennai	Mumbai	Kochi	New Delhi	Total
1	Acetic acid HPLC 1 L					30	10	40
2	Acetone ACS grade,2.5				300	100	30	430
3	Acetone AR 2.5 L			100		200	50	350
4	Acetonitrile MS Grade 1Ltr	15	100		50	100	10	275
5	AcetonitrileHPLC2.5 L		100	400	250	600	150	1500
6	Chloroform AR grade 500ml		1			20	20	41
7	Diethyl Ether AR 500ml					200		200
8	Dimethyl sulphoxide HPLC 1L				5	100		105
9	Ethyl Acetate AR 2.5 L					150	20	170
10	Extraction thimbles,Cellulose (for soxhlet extraction) (25 mm dia x 100 mm (L), 1.0 to 1.5 mm thickness			15		200		215
11	Filter Paper W.No.1, 110 (100 per box)					50	10	60
12	Filter Paper W.No.1, 150 (100 per box)				100	200	100	400
13	Formic acid HPLC 500 ML		5	10	10	20	20	65
14	Hydrochloric acid ACS grade ,2.5L			5		10	10	25
15	Immuno Affinity Coulmns and filtration accessories for Aflatoxin Analysis (Ref. Annexure 2 below for technical details. The quotation for this item should be submitted separately from other quotations)	500	5000	25000	12000	18000	5000	65500
16	Isopropanol AR 2.5L					50	10	60
17	Laboratory glassware cleaning solution (Alkaline range)		20	20		20		60
18	Methanol AR 2.5L			1000	200		20	1220
19	Methanol HPLC 2.5L	24	100	500	50	600	100	1374
20	Methanol MS Grade 1 Ltr	15			75	200		290
21	Methylene Chloride ACS grade,2.5L					50		50
22	N-Hexane ACS grade 2.5 L					75		75
23	Nitric Acid ACS grade 2.5L			5		10		15
24	Parafilm (4" X 125) box				10	5	5	20
25	Petroleum Ether (40-60)2.5L,AR			2		60		62
26	PTFE Syringe Filter, 13 mm, 0.2 um					1000	1000	2000
27	Silver nitrate 25g AR					5	5	10
28	Sodium Hypochlorite LR500ml			100		100		200
29	Sodium Sulphate anh AR,1 Kg					40		40
30	Sodlium Chloride AR 5kg		8	30			10	48
31	Sulphuric Acid AR 2.5 L	4				40		44
32	Toluene ACS grade 2.5 L					100	10	110
33	Tween 20 AR 500 ML		20	10	100	40		170
34	Water MS Grade 2.5 L				75	75		150

NOTE: This laboratory is certified under ISO 14001:2004. Hence, preference would be given to those suppliers who are willing to accept return of empty containers / bottles after use of the chemicals in the laboratory.

Annexure 2

Please refer to Item No. 16 in Annexure 1

Requirement of Aflatoxin Immunoaffinity Columns for the Year 2015 - 16		
No.	Specifications	Details
1	Immuno affinity monoclonal- antibody columns for analysis and Quantification of Aflatoxins B2, B1, G2 and G1 at 11g/kg (ppb) levels	
2	Number of columns required	65,500
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	Anywhere in India , 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%. Should be substantiated by analytical data (include the same with the quotation).
6	Background interference in HPLC fluorescence detector	<0.5 mg/kg
7	Sensitivity	Better than 0.1 mg/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 after supply (20 - 25 °C).
9	Compatibility requirement	Should be compatible with Vicam 12-position pump stand or equivalent (<u>Column should have 5mm aperture diameter at the upper end</u>) 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.	10 Nos.
13	Fluted filter paper grade 1289 with 240mm diameter.	Equal to the number of columns should be supplied along with the columns.

	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 should be supplied along with the columns
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.
15	Details of full validation of Aflatoxin Analysis using the postcolumn derivatization system, including chromatograms and LOQ confirmation at0.5ppb using HPLC - Fluorescence Detector, should be provided.	15 Nos.
16	Other requirements	The immunoaffinity columns should be supplied without air bubbles in the active bed.
17	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.
18	Users' List	A complete users list, with <u>user contact designation, phone numbers and email id</u> , for the quoted brand of columns in India should be included along with the quotation.
19	<u>Undertaking of Quality Assurance:</u> Any batch of columns, which proves to be unsuitable due to low recovery, slow elution rate	Undertaking to be provided along with the quotation.
20	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.
21	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 and it will not
22	EMD	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 Secretary, Spices Board, payable at Kochi , as EMD, which will be returned after finalising the order .
23	Compliance statement	A duly signed statement of compliance, by the authorised company representative with each point in this technical specification should necessarily accompany the quotation without which the quotation will not be considered.