



खरपतवार विज्ञान अनुसंधान निदेशालय ,egkjktij] tcyij
Directorate of Weed Science Research, Maharajpur, Jabalpur

TENDER NOTICE NO. 2/2009-10

Sealed tenders are invited on behalf of the Director, Directorate of Weed Science Research for purchase of equipments i.e. LC-MS/MS System from reputed manufacturers/authorized dealers.

Terms & conditions :-

Tender forms with detailed specification along with the terms & conditions can be obtained from Store & Purchase Section of this Directorate from dtd. **8.2.2010** on any working day between 11.00 AM to 4.00 PM on payment on non-refundable fee of Rs. 500/- (rupees five hundred only) in the form of DD/Pay Order in favour of “**ICAR UNIT – DWSR, JABALPUR**”. The tender form will be sold upto dtd. **2.3.2010** and sale will be closed sharp at 4.00 PM. The last date for receipt of complete tender form is on dtd. **3.3.2010 at 2.00 PM**. The tender form received by post up to 3.00 PM on dtd. **3.3.2010** will also be accepted. The tender will be opened on dtd. **3.3.2010 at 3.00 PM** in presence of tenderers who wish to be present at the time of opening of tenders.

The Director, DWSR, Jabalpur reserves the right to accept or reject any or all tenders without assigning any reason whatsoever.

NOTE : Details are available on DWSR Web Site www.nrcws.org

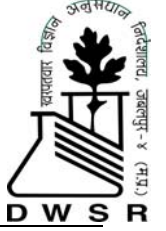
Asstt. Admn. Officer



खरपतवार विज्ञान अनुसंधान निदेशालय
(भारतीय कृषि अनुसंधान परिषद्)

Directorate of Weed Science Research
(Indian Council of Agricultural Research)

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EPABX : +91-761-2353101, 2353934

Gram : WEEDSCIENCE

Fax : 0761 – 2353129

Email : nrcws@sancharnet.in

Tender

Note : All communications must be addressed to the Director by designation

From : The Director, DWSR, Jabalpur

To,

M/s.

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Dear Sir(s),

Sealed tenders are invited for supply of each the following laboratory/office equipments/items separately, on behalf of the Secretary, Indian Council of Agricultural Research (ICAR), Krishi Bhavan, New Delhi

Sl. No.	Name of the Equipment	Appox. Quantity	Required E.M.D. Rs.
01.	LC-MS/MS System	One	2,80,000/-

Terms & Conditions :-

01. The original copy of the tender is to be enclosed in double cover & the inner cover should be also wax sealed. The outer cover should be mentioned that there is tender within. Right is reserved with The Director, DWSR, Jabalpur to reject all or any tender without assigning any reason and to have negotiation with the tenderers who wish to enter into negotiation proceedings (with the lowest tenderer as per rules). All tenders should be sent by registered post only. Tenders to be hand delivered should be put in the Tender Box at this Directorate not later than **2.00 P.M. on dt. 3.3.2010**. Tenders received without E.M.D. amount will not be accepted. **Two bid system, that is the technical bid and the financial bid should be sealed by the bidder in separate covers duly superscribed and both these sealed covers are to be put in a bigger cover which should also be sealed and duly superscribed for the equipments item SI.No. i.e. LC-MS/MS System.**

01. The tenderer is being permitted to tender the consideration of the stipulations of his part that after submitting his tender, he will not resile from his offer or modify the terms & conditions thereof. In case, the tenderer fails to observe and comply with the foregoing stipulations there tender will be out rightly rejected without assigning

any reason. **(A)** The tender form should accompany with E.M.D. as mentioned against each equipment/item. The E.M.D. in the form of DD/Pay Order drawn in favour of the **"ICAR UNIT - DWSR, JABALPUR"**. **(B)** The successful tenderer will be required to deposit 10% security deposit in the form of DD/Pay Order/F.D.R. of total value of the stores as soon as desired by this Directorate i.e. before placing firm order for the supply of stores which will be refunded on successful completion of warranty of the equipment. **(C)** In the event of the offer made by the tenderer not being accepted, the amount of E.M.D. deposited by the tenderer will be refunded to him after he applies for the same in the manner prescribed by the Council/Directorate.

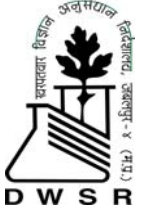
03. The conditions of the supply which will govern any supply made are those contained in the general conditions of supply applicable to the supply placed by the ICAR and by the Research Institutes of the Council and the special terms & conditions detailed in the tender form and its schedules. Please submit your tender, if you are in a position to furnish the requisite services in accordance with the requirements stated in the attached schedules.
04. The schedule I & II of the tender form should be returned intact and pages should not be detached. In the event of the space provided on the schedule form being insufficient for the required purpose, additional pages numbered consecutively and signed in full by the tenderer may be attached. In such cases reference to the additional pages must be made in the tender form. If any modification of the schedule is considered necessary, it should be communicated by means of a separate letter alongwith the tender.
05. The tender is liable to be ignored if complete information as required is not given therein or if he is particularly asked for in the schedules to the tender or other documents connected with the contract/tender may specify whether he signs if in the capacity of (i) a sole proprietor (ii) a partner of the firm, if it be a partnership whether by virtue of the partnership in which case he must have authority to refer to arbitration of dispute concerning the business of the partnership whether by virtue of the partnership agreement or power of attorney, or (iii) constituted attorney of the firm if it is a company.
06. In case of partnership firms, where no authority to refer disputes concerning the business of the partnership has been concerned on any partner, the tender and all other related documents must be signed by every partner of the firm. A person signing the tender form or any other documents forming part of the contract on behalf of another shall be deemed to warranty that he has authority to bind such other and if, on enquiry it appears that the persons so signing have no authority to do so, the Council/Directorate shall without prejudice to other civil and criminal remedies cancel the contract/supply and hold the signatory liable for all costs and damages. Each page of the tender and the schedules to the tender and annexure, if any should be signed by the tenderer(s).
07. You are at liberty to be present or to authorize a representative to be present at the opening of the tender on **dt. 3.3.2010 at 3.00 P.M.** which may please be mentioned in the tender document. Please also state the name and address of your permanent representative, if any.

08. The Council/Directorate does not pledge itself to accept the lowest or any tender and also reserves to itself the right of accepting the whole or any acceptance of the tender or portion of the tender. You are, however, at liberty to tender for the whole or any portion or to state in the tender that the rates quoted shall apply only if the tender is considered fully.
09. Fax/letter or any other form of communication will communicate acceptance by the Council/Directorate. Formal letter of acceptance of the tender will be forwarded as soon as possible. But the earlier instruction in the fax/letter etc. should be acted upon immediately.
10. In case of any disputes arising in respect of the said tender the dispute will be solved through arbitration and the tenderers will have to abide by the decision of the arbitrator. The arbitrator will be appointed by the Director General, ICAR, Further, the tenderers will have to submit an undertaking to the effect that they shall agree to the settlements of disputes through such arbitration and they bind themselves/themselves to go by the decision of the arbitrator.
11. The selected agency shall effect the supply of above items within the period of **one month** or as specified in the supply order and no extension of time limit to this effect will be allowed. However, in case of the circumstances beyond the control of contractor, his request for the extension of time can be considered in case the competent authority to grant such extension, viz. Director, DWSR, is satisfied with the circumstances explained by the contractor in his application. The extension, if at all necessity arises, will be allowed only once and that too at the discretion of the Competent Authority.
12. The agency/Contractor shall submit his bills in triplicate after making them duly pre- receipted for the material supplied and the Council/Directorate shall make payment by means of **e-payment system** drawn in favour of the Agency/Contractor. Hence Bank Account Number, Address of the Bank and IFSC code number of Bank must recorded on the body of bill.
13. **The rates so quoted must be valid for a period of at least 5 months from the date of opening of tenders.**
14. **If the rate is quoted in foreign currency, the price (FOB Value) should be quoted in the form of Proforma Invoice in the Principle's letter head. The total cost involved in Transport/Insurance/etc. up to DWSR, Jabalpur (M.P.) should also be indicated separately.**
15. All disputes will be subject to the Jabalpur jurisdiction.

DIRECTOR
FOR AND ON BEHALF OF SECRETARY
ICAR, KRISHI BHAWAN, NEW DELHI



खरपतवार विज्ञान अनुसंधान निदेशालय
(Hkkjr; dfrk vuq dku ifj"kn)
Directorate of Weed Science Research
(Indian Council of Agricultural Research)
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Maharajpur, Adhartal, Jabalpur 482 004 (M.P.), INDIA



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TENDER FORM
SCHEDULE - I

Sl.No. :
To,

Date :

The Director,
DWSR, Jabalpur

Sir,

I/We have read and understood the detailed terms & conditions of the contract and the same are acceptable to me/us.

I/We offer my/our rates as follows, which shall be firm and final during the currency of the contract.

Sl. No.	Detailed specification of the item	Qty.	Price quoted inclusive of all & full taxes
01.	LC-MS/MS System : Detailed Spectification is enclosed	1 No.	

Note : Rates must be quoted inclusive of all taxes. The Directorate does not issue any 'C' or 'D' forms.

Contd. ...

SPECIFICATION FOR LC-MS/MS SYSTEM

A high performance bench top triple quadrupole LC-MS/MS system for herbicide analysis as per EU guidelines with following specification :

MS/MS DETECTOR

1. LC-MS /MS should be a triple quadrupole based system in combination with the linear ion trap provision for quantitative and qualitative analysis in a single run.
2. Provision of high sensitivity full scan MS/MS and MS3 with high selectivity from true triple quadrupole ion and neutral loss scan
3. The system should be capable to trigger MS/MS and MS3 from MRM transition so that the presence and the structure of the metabolites can be confirmed at the same time on a single system.
4. Mass range from 10 da to 1500da (amu) or more.
5. Resolution should be unit mass over the entire range.
6. The mass axis stability should be ± 0.1 da over 24 hours.
7. The quadrupole should have pre and post RF ion guides.
8. The triple quadrupole analyzer should have femtogram sensitivity.
9. Highly efficient electron multiplier or photomultiplier detector.
10. The system should have electronic pressure and flow control for nebulizing gas, drying gas, auxiliary gas and collision gas.
11. The system should have +/- polarity switching time 100 millisecond or less.
12. The system should have dual stage turbo molecular pump of at least 300/400 L/s for Nitrogen.
13. The API interface should have three axis adjustment of electrospray needle.
14. The API interface should have an off-axis quadrupole ion guide and should have provision to clean the source without venting the vacuum.
15. Source should be Programmable and automatically switchable from ESI to APCI in a single run.
16. The LC flow range for ESI should be from 1 to 1000 $\mu\text{L}/\text{min}$.
17. The ESI Needle voltage should be settable to more than 5000 V.
18. The flow range APCI approximately from 10 to 2000 $\mu\text{L}/\text{min}$.
19. The system should have built in syringe pump and auto tune facility.
20. +ESI SIM : 50 pg reserpine S/N ≥ 4000 : 1, based on RMS noise.
21. +ESI MRM (MS/MS) : 50 pg reserpine S/N ≥ 4000 : 1, based on RMS noise.
22. Others :
 - System should be supplied with suitable low noise and vibration free gas generator to provide the gases required to operate the system.
 - The system should be supplied with easy to use control and acquisition software, and least NIST or similar library for identification of natural products, pesticides and their metabolites using MS data. The software should have new compound acceptance criteria as per latest EU directives.

LC System

Liquid chromatography system should be compatible to the above MS/MS system.

1. Should consist of binary solvent manager or better, a sample manager with integral column heater and a solvent tray.
2. Provision of handling up to 2 or more chromatographic solvents and necessary wash solvents.
3. Vacuum degassing provision for each chromatographic and wash solvents.
4. Flow rate should be from 1.0 $\mu\text{L}/\text{min}$ to 2000 $\mu\text{L}/\text{min}$ (1 $\mu\text{L}/\text{min}$ increments).

5. The flow accuracy should be $\pm 1.0\%$ or less at 0.5 mL/min with methanol.
6. The Maximum pressure limit should be 9000 psi or more.
7. Integral provision of plunger seal wash.
8. Unattended operation with the provision of leak sensor.
9. Provision of automatic sampling, compatible with LC as well as MS. Two such sampling trays with vials should be provided.
10. Provision to control sample and column temperature.
11. System control via soft ware on host PC.
12. LC system should also have PDA detector.
13. Suitable licensed soft wares to run the LC system using PDA detector alone or in combination with MS/MS system.

DATA STATION

Branded Computer with Dual Core processor, 3 GHz, 4 GB RAM, 160 GB HDD, Multimedia, Key Board, USB port, DVD control device, 19" TFT monitor, Mouse etc. and coloured laser printer. Windows based licensed software for data acquisition, auto calibration, quantitation and processing and complete control of LC-MS/MS system.

ESSENTIAL ACCESSORIES

1. Should be supplied with Filtration kit and Sonicator, SPE unit (complete with vacuum pump).
2. SPE cartridges with carbon black, carbon/NH₂, C18, C18EWP, Primary & Secondary Amine PSA in suitable formats should be supplied each 1000 pieces.
3. One kg of Bulk Primary and Secondary Amine (PSA) sorbent should be provided for sample preparation.
4. Chemelut cartridges containing hydromatrix with a high capacity for aqueous adsorption or equivalent should be supplied in suitable formats.
5. For MSPD, bulk sorbents like Bondesil C18, Bondesil NH₂ & Florisil each one Kg should be provided.
6. LC columns (each two) suitable for LCMS with C18, C8, Diphenyl, PFP & PAH phases should be supplied.
7. Syringe filters with nylon, Polypropylene; PVDF & PTFE material should be provided.
8. Vacelut Manifold Kit with collection racks with appropriate vacuum pump should be supplied for simultaneous processing of up to 20 SPE cartridges.
9. Columns : suitable columns required for herbicide residue analysis and analysis for natural products.
10. Good quality online UPS of 15 KVA to run the full system with at least 4 hour battery backup.

NOTE :

- The firm must provide 15 days training at site, after installation, for method development and instrument usage by application specialists.
- Any other accessories and consumables required for installation and trouble free operation of LC-MS/MS system for 5 years to be quoted.
- Warrantee for 2 years and AMC for subsequent 3 Years to be quoted.
- System should be supplied with complete manuals (hard and soft copy).
- The firm should quote break up prices of individual components/items.
- The list of users in India for the quoted LC-MS/MS system should be enclosed with the tender offer.

SCHEDULE - II

Part – I

- (1) Name of the Firm/Agency :
- (2) Full address with Telephone No;Fax No. :
Post Box No; if any
- (3) Constitution of the Firm : Is the :
- Firm Registered Under ACT
- i) Indian companies act, 1956 :
- ii) Indian partnership act, 1932 :
(Please give names of partners)
- iii) Any other act, if not the owners :
- (4) i) For partnership firms, whether :
registered or not, registered under the
Indian Partnership Act, 1932. Please
State further whether by the partnership
agreement. Authority to refer disputes
concerning the business of the partnership
to arbitration has been conferred on the
partner who has signed the tender.
- ii) If answer to the above is in negative, :
whether there is any general power of
attorney executed by all the partners of
the firm authorizing the partner who has
signed the tender to refer disputes
concerning business of the partnership
arbitration.
- iii) If answer to (i) or (ii) above is in the :
affirmative, please furnish a copy of either
the partnership agreement or the general
power or attorney as the case may be.
The copy should be attested by a Notary
Public or its executive should be admitted
By affidavit of a properly stamped paper by
all partners.
- (5) Name & full address of their agent at :
Jabalpur, if any
- (6) Any other relevant information :

Contd. ..

PART – II

Details of the Earnest Money Deposited :
Demand Draft/Pay Order No. with date
& Bank drawn on

PART – III

Name & address of the Firm's :
Representative and whether the
Firm would be represented at the
Time of opening of the tenders.

Authorized Signatory

Date :

Place :

NOTE : Please add supplementary pages to be numbered wherever required.