



# National Institute of Plant Health Management

Department of Agriculture, Cooperation & Farmers Welfare  
Ministry of Agriculture & Farmers Welfare  
Government of India



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F.No: ARC/PM, PBD & PHM/2019-20/15

Date: 13.12.2019

## इ-निविदा सूचना e-TENDER NOTICE

Sub: Invitation of **Online bids through e-procurement system in two bids for supply of Chemicals, Glassware and Consumable items under Annual Rate Contract at NIPHM, Hyderabad - Reg.**

\* \* \*

Sir/Madam,

National Institute of Plant Health Management (NIPHM) an autonomous Institute under Ministry of Agriculture & Farmers Welfare, Govt. of India invites '**Online bids through e-procurement system (<https://eprocure.gov.in/eprocure/>) for supply of Chemicals, Glassware and Consumable items under Annual Rate Contract at NIPHM, Hyderabad in 'Two bid' system from the reputed manufacturers/authorized distributors/dealers. The list of items are tentative quantities mentioned in the Annexure-II. The quantity of items may increase or decrease (up to  $\pm 50\%$ ) at the time of award of purchase order depending on the actual need/requirement of NIPHM.**

**The schedule of receipt and opening of quotations is as under:-**

1. Last Date & Time for submission of online bids 14:00 hrs on 07.01.2020
2. Date & Time for Opening online bids (Technical bids) 15:00 hrs on 08.01.2020

### Note:

1. Copy of Tender document is available in CPP Portal (URL: <https://eprocure.gov.in/eprocure/>) and NIPHM, Hyderabad website (URL: <https://niphm.gov.in>). Corrigendum/addendum, if any, will be published only in the website and separate communication will not be sent for the same.
2. Instructions regarding submission of online bids are available at URL: <https://eprocure.gov.in/eprocure/>
3. **Bids should be submitted through online only. Manual / physical bids will not be accepted.**

REGISTRAR

## 1. SUBMISSION OF TENDER THROUGH ONLINE:

The Tender proposes two stage tender systems viz. (I) **Technical Bid** and (II) **Price Bid**.

**I Technical Bid : Bidders are requested to upload the required scanned copies of files as per the following:**  
(Cover-1)

- File-1 :** Profile of the Company – stating whether the firm is partnership/registered under the Companies Act along with its necessary enclosures.  
Scanned copy of Company Information (filled & signed) as per Annexure – I
- File-2 :** **Proofs in support of eligibility criteria as per the tender.**  
Scanned copies of the documents / information (filled & signed) as per the ‘Eligibility Criteria’ Clause – 4
- File-3 :** Scanned copy of Technical compliance sheet (filled & signed) for the items listed at Annexure – II
- File-4 :** Scanned copy of EMD amount in the form of DD/BC.
- File-5 :** Authorization letter and undertaking (as per Annexure-IV and Annexure-V) from the Competent Authority of the Company to sign this Tender document. Documents received without such authorization will not be considered for further processing. This is not applicable if the proprietor signs himself as competent authority.  
Scanned copy of letters (filled & signed) as per Annexure – IV & V.

### Details to be furnished in the Envelope-B i.e., Price Bid

**II Price Bid : Bidders are requested to upload the required scanned copies of files as per the following:**  
(Cover-2)

- File-1 :** Scanned copy of Commercial Bid (filled & signed) as per Annexure – III

#### Note:

1. The Bidders should furnish the location with addresses and license details of the firm.
2. The Bidders shall furnish as part of the bid, documents establishing the Bidders eligibility to bid and its qualifications to perform the Contract if their tender is accepted.
3. The documentary evidence of the Bidder's qualifications shall be established to the satisfaction of NIPHM. However, the decision of Director General, NIPHM will be final in this regard.

## 2. General Instructions:

- a. The Bidders are requested to examine the instructions, terms & conditions and specifications given in the Tender. Failure to furnish requisite information in all respects may result in rejection of the bid.
- b. Any offer made in response to this tender when accepted by NIPHM will constitute a contract between the parties.
- c. The Contract shall be interpreted under Indian laws and all disputes will be resolved **within Hyderabad Jurisdictions**. In case of any dispute, the decision of NIPHM, Hyderabad shall be final and binding.
- d. The supplier will be fully responsible for any loss in transit and will also be responsible for safe delivery of the goods/stores in good conditions at NIPHM.

- e. The quantity of items may be increased or decreased depending on the actual need/requirement of NIPHM.
- f. The prices should be valid initially one year from the date of Award of contract/agreement. The NIPHM reserves the right to accept or reject any part/full of the quotation without assigning any reasons whatsoever.
- g. The rates quoted should be inclusive of all charges such as Octroi, packing, forwarding, insurance and loading, unloading, freight and clearance etc. and bidder should undertake to supply goods at NIPHM at his cost.
- h. The GST where legally leviable and intended to be claimed should be distinctly shown along with the price quoted. Where this is not done it will be treated that the price is inclusive of GST. GST registration No. and date of its validity should be indicated. The firm must quote their TIN No. , PAN No., (IT returns) etc. in the quotation (attested copies to be enclosed).
- i. The rates should be mentioned clearly in both figures and words for each item in the quotation. If there is any variation in figures and words, rates quoted in words will be taken in to consideration. The overwriting, cutting, erasing, if any should clearly be indicated duly attested.

### 3. **Clarifications in the Tender:**

- a. A prospective Bidder requiring any clarification regarding the Tender may address the Tender Inviting Authority by letter or by Fax upto 6 days prior to the last date. NIPHM will respond in writing to any request for clarification in the Tender.
- b. The responses to the clarifications will also be notified on NIPHM's website <http://niphm.gov.in> and <https://eprocure.gov.in/eprocure/>

### 4. **Amendments to the Tender**

- a. NIPHM may amend the Tender Conditions up to 5 days prior to the time fixed for receipt of the Tender.
  - b. Amendment to the tender, in response to clarifications sought by prospective Bidders, is solely at the discretion of NIPHM. Such amendments will be notified on NIPHM's website and CPP Portal <https://eprocure.gov.in/eprocure/>
  - c. NIPHM, at its discretion, may or may not extend the due date and time for the submission of bids on account of amendments. Extension of time will be notified on NIPHM's website and CPP Portal <https://eprocure.gov.in/eprocure/>
  - d. All the Bidders are advised to periodically browse NIPHM website <http://niphm.gov.in> and CPP Portal <https://eprocure.gov.in/eprocure/> for any amendments or corrigenda issued in connection with this Tender. NIPHM will not be responsible for any misinterpretation of the provisions of this tender document on account of the Bidders' failure to update the bid documents based on changes announced through the website.
5. Any offer made in response to this tender when accepted by NIPHM will constitute a contract between the parties.
  6. The supplier shall not be entitled to any increase in the rates.
  7. The agency shall not transfer or assign sub-contract to any other party.
  8. The Price should be quoted only in Indian Rupees.

### 9. **NIPHM NOT BOUND BY ANY PERSONAL REPRESENTATION**

The supplier shall not be entitled to any increase in the rates or any other right or claim whatsoever by any representation, explanation or statement or alleged representation, promise or guarantee give or alleged to have been given to him by any person of the NIPHM.

**Indemnity:** The Contractor shall warrant and be deemed to have warranted that all goods supplied against this contract are free and clean of infringement of any Patent, copy right or trade mark and shall at all times indemnify the Purchaser against all claims which may be made in respect of the goods for infringement of any right protected by patent.

10. **The employees of the NIPHM and their near relatives i.e. (i) spouse of the individual; (ii) brother or sister of the individual; (iii) brother or sister of the spouse of the individual; (iv)**

*brother or sister of either of the parents of the individual; (v) any lineal ascendant or descendant of the individual; (vi) any lineal ascendant or descendant of the spouse of the individual; (vii) spouse of the person referred to in above (ii) to (vi);]*) are not entitled to participate in this tender. If it is noticed at a later date that this condition is violated, the agreement in consequence of this tender is liable to be cancelled forthwith apart from legal action.

11. **Corrupt or Fraudulent Practices:** Bidders should observe the highest standard of ethics during the procurement and execution of such contracts.

“Corrupt practice” means the offering, giving, receiving or soliciting of anything of value to influence the action of public official in the procurement process or in contract execution, and

“Fraudulent practice” means a misrepresentation of facts in order to influence a procurement process or the execution of a contract to the detriment of the Purchaser and includes collusive practice among Bidders (prior to or after bid submission) designed to establish bid prices at artificial non-competitive levels and to deprive the Purchaser of the benefits of free and open competition.

NIPHM will reject a proposal for award if it is found that the Bidder recommended for award has engaged in corrupt or fraudulent practices in competing for the contract in question.

12. **Force Majeure conditions:** If at times during the continuance of the Agreement/Contract, it becomes impossible by reason of war or war- like operations, epidemics, pestilence, earthquake, fire storm or floods, the firm shall during the continuance of such contingencies not be bound to execute the contract as per the agreement/contract.

The work shall be resumed immediately after the contingency/cies has/have ceased otherwise determined and the Successful Bidders obligations shall continue to be in force for correspondingly extended period after the resumption of execution. The successful Bidders shall however inform the NIPHM by registered post/fax about such Act duly certified by the commissioner of Labor at the beginning and end of the above causes of delay within 10 (ten) days of occurrence and cessation of such Force Majeure conditions.

In the event of delay lasting over one month, if arising out of cause of Force Majeure, the NIPHM reserves the right to cancel the contract without any compensation. Only events of Force Majeure which affects the order progressing at the time of its occurrence shall be taken in to cognizance. The NIPHM shall not be liable to pay extra costs due to delayed supplies made under Force Majeure.

13. **Disputes and Arbitration:**

- a) All matters relation to any dispute which may arise during the execution of the contract shall be referred to Arbitration of an Arbitrator to be mutually agreed upon between the parties. On the whole, provisions of the Arbitration and Conciliation Act, 1996 shall prevail.
- b) The venue of such Arbitration shall be at Hyderabad only. Arbitration suits or any other claims filed in any Court of Law outside Hyderabad City will not be binding on NIPHM.

14. **Jurisdiction:** Subject to the above Clause, it is hereby agreed that Hyderabad City shall have jurisdiction to decide or adjudicate upon any dispute which may arise out of or be in connection with this contract agreement. The contract shall be governed by the Laws of Union of India/Government of Telangana in force.

### 15. **Eligibility Criteria:**

The Bidders should meet the following Eligibility Criteria for quoting the tender and the scanned document copies to prove their Eligibility should be uploaded as per the Clause-1.

Sl. No	Minimum Eligibility Criteria	Proof to be submitted for fulfilling the Eligibility	Page No.
1	The Bidder shall be a firm dealing with Chemicals, Glassware and consumable items situated in Hyderabad /Secunderabad.	Registration Certificate of the Company/firm.	
2	The firm should have at least 3 years' experience at least one experience certificate for 3 different years after 01.04.2014 in dealing/supplying such items.	Documents (Purchase orders) to prove that the company / firm has supplied such items in their business for 3 years from 01.04.2014 onwards.	
3	The firm should have gross annual turnover of Rs. 42.00 lakhs at least for two years during last three financial years as on 31.03.2018	Turnover Certificate by a Chartered accountant should be enclosed for FY 2016-17, FY 2017-18 & FY 2018-19 should be enclosed.	
4	The firm should be income tax assessee at least for a period of three years for the last 3 Assessment years.	Self- attested copies of the acknowledgments of Income tax returns for AY 2016-17, AY 2017-18, AY 2018-19 and PAN Card of the firm should be enclosed.	
5	The firm should be registered under GST	Self-attested copy of the certificate GST.	
6	Earnest Money Deposit	Rs.1,40,460/- (Rupees One lakh Forty Thousand Four Hundred and Sixty Only). The Demand Draft, Fixed Deposit Receipt, Banker's Cheque or Bank Guarantee from any of the Commercial Banks or payment online in an acceptable form any of the acceptable mode. However preferably in Fixed Deposit Receipt /Term Deposit Receipt mode should be drawn in favour of 'NATIONAL INSTITUTE OF PLANT HEALTH MANAGEMENT', payable at Hyderabad-500030 and should be submitted to the office on or before tender closing date & time. (EMD exemption is applicable only to Micro and Small Medium Enterprises units under MSMEs. The exemption is subject to submission of valid MSMEs/NSIC/DIPP certificate as per the Public Procurement Policy for Micro and Small Enterprises order 2012)	

16. **Scope of the Work:**

- a) To supply quality chemicals, Glassware and Consumable products which substantially match the specifications laid down by NIPHM. The specifications of items shall be mentioned in the comparative statement at Annexure – II.
- b) The Chemicals, Glassware and Consumable items to be supplied should be of standard quality.
- c) Director General, NIPHM reserves the right to reject any or all the quotations received without assigning any reason whatsoever.

17. **Terms of Supply:**

The firm should supply the items within 30 days from the date of purchase order.

18. **Price Bid Validity:**

Bids shall remain valid initially for one year from the date of award of contract. However, the purchaser reserves the right to seek consent for an extension of the period of validity.

19. **Rates and Prices:**

- a. Bidders should quote the rates in the format given in Price Bid -Annexure – III. Incomplete bids will summarily be rejected. All corrections and alterations in the entries of tender papers will be signed in full by the Bidder with date. No erasing or over writings are permissible. Price quoted shall be firm and final.
- b. **Prices quoted should be for FREE DELIVERY at NIPHM, Hyderabad-500 030.**
- c. The percentage of GST, surcharge, if applicable and other levies legally leviable and intended to be claimed should be clearly indicated in the tender. Where this is not done, no claim on these accounts would be admissible later.
- d. The Prices should be quoted all-inclusive i.e., transportation, duties and GST etc.,

20. **Signing of Bids:**

*Individual signing the tender or other documents connected with contract must specify whether he / she signs as:*

- i) *A “Sole proprietor” of the concern or constituted attorney of such sole proprietor;*
  - ii) *A partner of the firm, if it is a partnership firm in which case he must have authority to execute on behalf of the firm.*
  - iii) *Director or a Principal Officer duly authorized by the Board of Directors of the Company, if it is a Company.*
- a. The bids shall be typed or written in indelible ink and shall be signed by the Bidder or a person or persons duly authorised to bind the Bidder to the Contract. **Bidders are requested to sign each and every page of the tender document including Annexure(s) attached thereto.**
  - b. Any alterations, erasures shall be treated valid only if they are authenticated by full signature by the person or persons authorised to sign the bid. Tender documents should be free from over writing.

## **21. Opening of Tenders:**

- a. Technical Bids shall be opened online at the time and date specified in the Invitation for Bids.
- b. E-Tenders will be opened at the prescribed date and time mentioned in the e-procurement portal or in the tender document.
- c. Technical Bid for Chemicals, Glassware and consumable Items would be opened first. Eligibility Criteria such as pre-qualification conditions will be checked and the supporting documents would be cross checked wherever required.
- d. Only the Technical Bid will be opened on the due date.
- e. The date of opening of the Price bid will be informed for those agencies whose Technical bids are satisfactory and found to be acceptable.
- f. E-Tenders non-compliant with any of the tender terms will not be considered for the next stage i.e. for opening of the Price Bid.

## **22. Tender Evaluation Criteria:**

The evaluation of E-Tenders will be done by NIPHM as detailed below:

### **22.1 Technical Bid Evaluation:**

Bidders will be eligible for further processing only if they fulfil the following criteria

- Compliance with the eligibility Criteria.
- Compliance with Technical and capacity requirements.
- The literature/pamphlets with specifications of the items quoted should be supplied along with the technical bid.

The bidders may provide a statement comparing the NIPHM specification and with that of the specifications offered by the firm and remarks as per the enclosed annexure-II.

NIPHM will prepare a list of Bidders whose bids are substantially responsive with the technical and capacity requirements as given in Tender form. The Tenders which do not match eligibility criteria or which do not conform substantially to the Technical Specifications shall be rejected. The Eligible bidders alone will be considered for further evaluation.

### **22.2 Price Bid Evaluation:**

Opening of Price Bid:

Bidders who are qualified in Technical Bid only will be called for Price Bid opening. The technically qualified bidders alone will be informed about the date and time of opening of the Price Bid and their Price Bids alone will be opened on the due date and time in the e-procurement portal. The contract will be entrusted to the Bidder, whose bid has been determined as L1. L1 will be arrived after considering basic price, taxes and other charges, if any. As items are different, L1 will be arrived for each item separately. In case the L1 agency who has been awarded the e-tender fails to execute the contract, NIPHM will have the right to choose L2 and shall recover the excess cost from L1 as penalty for backing out after award of contract. NIPHM further reserves the right to take legal action to get such firms black listed.

23. **Acceptance of Tender/ Conditions of the Contract:**

- a. The final acceptance of the Tender is entirely vested with NIPHM which reserves the right to accept or reject any or all of the Tenders in full or in part.
- b. After acceptance of the Tender by NIPHM, the Bidder shall have no right to withdraw his Tender and **Prices payable to the Supplier as stated in the Contract shall be final and not subject to any adjustment during performance of the Contract valid for one year from the date of award of contract/agreement.**
- c. The Tender accepting authority may also reject all the Tenders for reasons such as changes in the scope of work, lack of anticipated financial resources, court orders, accidents or calamities and other unforeseen circumstances.
- d. After acceptance of the Tender, NIPHM would issue Letter of Acceptance (LOA)/award the purchase order only to the Successful Bidder. NIPHM also reserve the right to issue Purchase Orders to more than one Bidder under rate contract. The letter of acceptance will include the details along with terms and conditions of the tender.

24. **Rejection of Tender:**

NIPHM also reserves the right to reject/cancel the tender without assigning any reason thereof.

25. **EMD Amount and Mode of Submission:**

Rs.1,40,460/- (Rupees One lakh Forty Thousand Four Hundred and Sixty Only).

*The bidders should submit EMD mentioned in the table below for the equipment quoting in the form of Account Payee Demand Draft, Fixed Deposit Receipt, Banker's Cheque or Bank Guarantee from any of the Commercial Banks or payment online in an acceptable form any of the acceptable mode. However preferably in Fixed Deposit Receipt /Term Deposit Receipt mode should be drawn in favour of 'NATIONAL INSTITUTE OF PLANT HEALTH MANAGEMENT', payable at Hyderabad-500030 and should be submitted to the office on or before tender closing date & time. If EMD is not received by closing date & time, bid submitted by default bidder shall be rejected. EMD valid for a period of 45 days beyond final bid validity.*

- a) The EMD amount of the unsuccessful Tenderers will be returned after the acceptance of the successful Tenders within a reasonable time.
- b) The EMD amount held by NIPHM till it is returned to the unsuccessful Tenderers will not earn any interest thereof.
- c) The EMD amount of Successful Tenderers will be adjusted as part of the Security Deposit (SD) due for successful execution of the contract.
- d) Tenders **without** EMD amount will be **rejected** by NIPHM as non-responsive. If the tenderer is exempted from submission of EMD, he should enclose the copy of the supporting document / certificate issued by Government along with the Tender.
- e) If a Tenderer withdraws the tender during the period of tender validity specified in the tender (or) in the case of the Successful Tenderers, if the Tenderer fails to sign the contract or to remit Security Deposit, the EMD amount shall be forfeited to the NIPHM.
- f) The bidders claiming exemption from submission of EMD shall submit valid NSIC/DIPP/MSEs certificate and such certificate shall be valid on the date of submission of bid and as per Public Procurement Policy for Micro and Small Enterprises (MSEs) order, 2012.

**26. Payment of Security Deposit (SD):**

- a. The Successful firm(s) shall require to deposit 5% of the order value as Security deposit/Performance Security in the form of an Account Payee Demand Draft, Fixed Deposit Receipt from a Commercial bank, Bank Guarantee from a Commercial bank or online payment in an acceptable form. However preferably in Fixed Deposit Receipt/Term Deposit Receipt (TDR) obtained from any nationalized/Scheduled banks in favour of National Institute of Plant Health Management (NIPHM), Hyderabad which should be valid beyond 60 days from the date of completion of all contractual obligations of the supplier including warranty obligation. The security deposit will be released/discharged after 60 days of completion all contractual obligations of the supplier including warranty obligation.
- b. The security deposit shall be forfeited, if the successful bidder fails to supply the stores as per specifications mentioned in the tender/P.O or does not accept the assigned work for any reason, whatsoever.

**27. Execution of Agreement:**

- a. The successful Bidder is required to execute enter into an Agreement on non-judicial stamp paper of Rs.100/- for fulfilment of the contract. Along with the Agreement the required Security Deposit shall be remitted.
- b. The successful Bidders shall not assign or make over the contract, the benefit or burden thereof to any other person or persons or Body Corporate for the execution of the contract or any part thereof.

**28. Liquidated Damages:**

If the Supplier fails to deliver any or all of the Goods or to perform the Services within the time period(s) specified in the Contract, the Purchaser shall, without prejudice to its other remedies under the Contract, deduct from the Contract Price, as liquidated damages, at the rate of 0.5% of the contract price of the delayed Goods or unperformed Services for each week or part thereof of delay until actual delivery, submission of documents and performance, up to a maximum deduction is 10% of the contract price. The delivery of goods means delivery of goods/services with in the delivery period including installation. Once the maximum is reached, the Purchaser may consider termination of the Contract.

**29. Warranty:**

The Warranty for chemicals should be at least 2 years from the date of delivery. The chemical should be free from all material defects. If any defects found during the warranty period should be replaced within one month free of cost including replacement if any on receipt of such intimation from this Institute. Else actual charges for rectifying the item will be recovered.

**30. Terms of Payment:**

- a. Payment will be released within 30 days from the date of submission of bill and issue of final certificate by the officer to that effect.
- b. All the payment shall be made by Cheque/DD/RTGS/NEFT after supply and final acceptance by the designated officer.
- c. The Supplier/firm should submit the invoice in triplicate. The invoice should contain the GST registration number and there should not be any overwriting/cuttings/corrections. An advance stamped receipt should be enclosed along with invoice.
- d. The NIPHM shall be at liberty to withhold any of the payments in full or in part subject recovery of penalties mentioned in the Tender.

**31. Extension of Contract:**

The contract period will initially be for a period of one year extendable on satisfactory performance and mutual consent on the same terms and conditions on half year/yearly basis subject to a maximum period of another two years.

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**29. Bidder's Profile- PART-A:-****Supply of Chemicals, Glassware and Consumable items on Annual Rate Contract for the year 2019-20 at NIPHM:**

<b>THE FIRM</b> a) Name b) Regd. Address c) Address for correspondence d) <u>Contact Person's</u> i) Name & Designation ii) Address iii) Tel. No. Landline & mobile iv) Email ID	
Type of Firm	Sole proprietor/Private Ltd/ Partnership/ co operative / Public Co. (Pl. tick and enclose copy of Memorandum/Articles of Association/ Certificates of Incorporation)
PAN/GIR NO. (please enclose photocopy)	
GST registration No. (please enclose photocopy)	
The annual gross turnover of the firm of last 3 years should be mentioned.(Pl. encloses copies of Audited balancesheet and P&L account etc.)	
Whether filed Income tax returns for the last three years. (Yes/No), If yes submit proofs and enclose PAN number	
Total Experience of the firm in supply of similar items (enclose proofs)	
Whether submitted Signed tender document ( compete tender document along with sign and stamp/seal)	

Signature of authorised signatory

Name : \_\_\_\_\_

Designation: \_\_\_\_\_

Seal :

30. **List of Chemicals, Glassware and Consumable items along with Grades**  
**LIST OF CHEMICALS, GLASSWARE AND CONSUMABLES REQUIRED FOR**  
**2019-20 UNDER ANNUAL RATE CONTRACT**

<b>LIST OF CHEMICALS, GLASSWARE AND CONSUMABLE ITEMS REQUIRED FOR FY 2019-20</b>				
<b>Sl No</b>	<b>Name of the Item</b>	<b>Grade</b>	<b>Pack size</b>	<b>Total Requirement</b>
<b>List of AR &amp; LR Grade Chemicals (A)</b>				
1	(-)-Nicotine hydrogen tritaratedihydrate	AR	10 g	10 g
2	4- hydroxyl benzhydrazide	AR	25 g	25 g
3	5,5-dithiobis 2-nitrobenzoic acid(DTNB)	AR	25 g	25 g
4	Acenaphthene	AR	100 g	100 g
5	Acetic acid Glacial	LR	2.5 L	11 bottles ( pack of 2.5 L size)
6	Acetonitrile	AR	2.5 L	30 (each pack size 2.5 L)
7	Alpha Naphthol	AR	100 g	100 g
8	Ammonium Chloride	AR	500 g	2.5Kgs(5pk) (each pack 500 G)
9	Buffer capsule AR (4.0pH)	AR	1 Pack	1 Pk x 10
10	Buffer capsule AR (7.0pH)	AR	1 Pack	1 Pk x 10
11	Buffer capsule AR (9.2 pH)	AR	1 Pack	1 Pk x 10
12	Caffein anhydrous	AR	100 g	100 g
13	Calcium chloride di hydrate	AR	250g	250g
14	Calcium Carbonate	AR	500g	10pks(Pk of 500g)
15	Calcium chloride fused	AR	500 g	1 kg (Pack of 500 grams)
16	Carbon tetra chloride	AR	2.5 L	2.5LX4pk( pack of 2.5L each)

Sl No	Name of the Item	Grade	Pack size	Total Requirement
17	Copper sulphate	AR	500 g	500 g
18	Cupric Acetate crystals	AR	500 g	500 g
19	D+ Glucose mono hydrate	AR	500 g	1pk (1 pack each 500g)
20	Di Butyl Pthalate	AR	500 mL	500 mL
21	Di ethanol amine ACS	AR	500 mL	500 mL
22	Di ethyl ether	AR	2.5 L	45 liters
23	Di OctylAdipate	AR	500 mL	500 mL
24	Di phenyl oxide / Diphenyl Ether	AR	100 mL	100 mL
25	Dichloromethane	AR	2.5 L	20 liters (pack size 2.5L)
26	Disodium hydrogen Orthophosphate (anhydrous)	AR	500 g	500 g
27	di-sodium hydrogen ortho-phosphate do decahydrate ( $\text{Na}_2 \text{HO}_4 \text{P} * 12 \text{H}_2 \text{O}$ )	AR	500g	1 kg (pack size of 500g)
28	EDTA disodium salt	AR	100 g	200 grams (pack size of 100g)
29	Ethanol amine	AR	500 mL	500 mL
30	Ethyl alcohol	AR	500 mL	24pks(pack of 500 ml)
31	Ethyl alcohol AR 99.9%	AR	500ml	20litres
32	Extran or labolene or equivalent soap solution for glassware cleaning(Acidic)	AR	5 L	5LX10
33	Extran or labolene or equivalent soap solution for glassware cleaning(Neutral)	AR	5 L	35 liters ( pack of 5L)
34	Ferric Ammonium sulphate	AR	500 g	1 kg (Pack of 500 grams)
35	Formaldehyde solution 37-41%	AR	1 L	12 L (pack of 1 L)
36	Hydrochloric acid	AR	2.5 L	1pkLiters (pack of 2.5L)
37	Hydrofluric acid	AR	500 mL	1 pk (pack of 500 ml)
38	Hydrogen peroxide	AR	500 mL	1L ( pack of 500 ml)
39	Iron(III) nitrate Nonahydrate	AR	500g	1 pack (500 g pack)

Sl No	Name of the Item	Grade	Pack size	Total Requirement
40	Lead Acetate (Neutral)	AR	500 g	1Kg ( pack of 500g)
41	Magnesium Chloride	AR	500 g	500 g
42	NaBH <sub>4</sub>	AR	100 g	100 g
43	Nitric acid	AR	2.5 L	15 liters (2.5L pack)
44	Oxalic Acid Deca hydrate	AR	500 g	2 kg's ( 500g pack)
45	Oxalic Acid di hydrate	AR	1 kg	1 kg
46	Phenyl Sulfone	AR	100 mL	100 mL
47	Potassium chromate	AR	500 g	500 g
48	Potassium dichromate	AR	500 g	500 g
49	Potassium Hydrogen pthalate	AR	500 g	500 g
50	Potassium Iodate	AR	100 g	100 g
51	Potassium Iodide	AR	250 g	5pks (25gms pk)
52	Potassium Permanganate	AR	500 g	9pks ( 500g pack)
53	Potassium thiocyanate	AR	500 g	1.5 kg's (pack of 500 g)
54	Propyl 4 hydroxy benzoate	AR	100 g	100 g
55	Propyl 4- Hydroxy benzoate	AR	500g	500g
56	Silver Nitrate	AR	100 g	400 grams ( pack of 100 g)
57	Sodium Acetate anhydrous	AR	500 g	4 kg's (pack of 500 g)
58	Sodium Carbonate anhydrous	AR	500 g	02pks (pack of 500g)
59	Sodium chloride	AR	500 g	22kgs (pack size 500g)
60	Sodium dihydrogenortho phosphate	AR	500 g	500 g
61	Sodium di-hydrogen ortho-Phosphate dihydrate AR	AR	500g	500g
62	Sodium Hydroxide pellets	AR	500 g	01 kg's ( 500g pack)
63	Sodium Sulphate anhydrous	AR	500 g	47.5 kgs (500 grams pack)
64	Sodium thiosulphatePenta Hydrate	AR	500 g	3 kg's ( pack of 500 grams)
65	Stannous chloride	AR	500 g	2 kg's ( 500g pack)
66	Starch	AR	500 g	500 g
67	Tetra decanoPhenone	AR	25 g	25 g
68	Thio Urea	AR	500 g	500 g
69	Tri Sodium Citrate dihydrate	AR	500 g	1.5 kg's (pack of 500 g)
70	Trisodiumhydrogen citrate	AR	500 g	1.5 kg's (pack of 500 g)
71	Urea	AR	500 g	1 kg (pack of 500g)
72	Zinc Sulphate hepta hydrate	AR		500 g x 1
73	Bromocresol Purple	AR	5 g	15 grams ( pack of 5 grams)

Sl No	Name of the Item	Grade	Pack size	Total Requirement
74	Acetone	LR	2.5 L	162.5 L (pack of 2.5 liters)
75	Polyclonal antiserum			1 each
	i) Tobamovirus (500 micro litre)			1 (each type)
	ii) CMV (500 micro litre)			1 (each type)
76	Selective media for bacterial plant pathogens (500 g) -3 types			3
77	Selective media for fungal plant pathogens (500 g) -5 types			5
78	Kings – A Media			500g
79	Oat meal Agar Media			500g
80	Peptone Bacteriological			500g
81	Potato Dextrose Broth	LR		9pks( pack of 500g)
82	Pseudomonas Media			1 pack (500 g pack)
83	Primers for 5 types of			1 set for each (forward and Reverse)
	plant pathogens (Alternaria, Powdery mildew, Curvularia,			
	Fusarium& Anthracnose)			
84	Malathion 50% Ec			10 litres
85	Methyl Eugenol CAS 93-15-2			15 litres
86	Cue Lure CAS 3572-06-3			10 litres
87	Ninhydrin (25 g)			1 (25g)
88	Glycerin (500 ml)			500ml
89	Chloral hydrate (10 g)			10gx1
90	Phosphate buffered saline (10 X)	100tablets		1(100tablets)
91	Sodium dichloroisocyanurate (NaDCC) -(Sigma – Aldrich) 25 g			1(25g)
92	Primers for <i>Spodopterafrugiperda</i>	(25nanomole)		1 no each (forward & reverse primes)
93	Agar Agar Type-I	LR	500g	4pk (each pack 500 G)
94	Chloramphenicol	LR	25g	08pks(pack of 25g each)
95	d-(+)- Maltose mono hydrate	LR	500g	4pks ( pack of 500 grams)
96	Dextrose	LR	500g	08pks ( pack of 500 grams)
97	Diethyl ether	LR	500ml	500 ml
98	Glycerol	LR	500ml	38 pk of 500ml
99	Immersion oil	LR	500ml	2pks ( pack of 500ml)
100	K <sub>2</sub> HPO <sub>4</sub>	LR	500g	14pks ( pack of 500 grams)
101	King's B medium	LR	500g	8pks ( pack of 500 grams)

Sl No	Name of the Item	Grade	Pack size	Total Requirement
102	Metalaxyl		1kg	2pks ( pack of 1kg)
103	Mineral oil			500 ml
104	Nutrient agar	LR	500g	13pks (pack of 500 g)
105	PCNB	LR	250g	2pks (pack of 250gms)
106	Potassium chloride	AR	500g	4pks ( pack of 500 grams)
107	Potato Dextrose agar	LR	500g	12pks (pack of 500 grams)
108	Rectified spirit	LR	4.5lit	7pks (pack of 4.5lit)
109	Rose bengal	AR	25g	8pks (pack of 25 g)
110	Sabouraud dextrose agar	LR	500g	6pks( pack of 500 grams)
111	Sterillium		500ml	5pks (pack of 500ml)
112	Streptomycin sulphate	LR	100g	8pks (pack of 100gms)
113	Trichoderma specific medium	LR	500g	3pks(pack of 500 g)
114	Trichoderma specific medium supplement (FD276) 50ml	LR	1 vial	20 vials
115	Absorbent cotton		rolls	44pks
116	Aluminium foil	1 No (9 metres)		23 nos (pk of 9metres)
117	apron (medium)		1No	5 No ( Medium Size )
118	Beakers	250 ml		20 Nos(250 ml pack)
119	Beakers	500 ml		16 Nos (pack of 500ml)
120	Beakers	1000 ml		26 Nos (pack of 1000ml)
121	Beakers	2000 ml		6Nos(2000 ml pack)
122	Blotting Paper		1pk (500 No)	2pk (pack of 500 No)
123	Face masks	(100 no/box)		45 pks ( 100 no's per pack)
124	Disposable Hand Gloves (Small)	1 (100 no)		1 pk ( 100 no's per pack)
125	Disposable Hand Gloves (Large)	1 (100 no)		1 pk ( 100 no's per pack)
126	Measuring cylinders	100ml		4nos

127	Needles	1No		50 No
<b>Sl No</b>	<b>Name of the Item</b>	<b>Grade</b>	<b>Pack size</b>	<b>Total Requirement</b>
128	Parafilm	1No		6 Nos
129	Disposable Petri plates	(90x15 mm)	(400nos in pk)	23pks (400 in pk)
130	Rubber bands	Small	1kg	4kgs
131	Rubber bands	Large	1kg	4kgs
132	Spirit lamp		1 No	2 No
133	Sticker labels	Small	1pk	14pkts
134	Sticker labels	Medium	1pk	14pkts
135	Sodium HypoChloride	LR	5L	10L
136	Forceps 4"	1No		10 no
137	Forceps 6"	1No		10 no
138	Scissors with plastic Handle-small			6 no.
139	Scissors with plastic Handle-medium			6 no.
140	Scissors with plastic Handle-large			6 no.
141	Liquid Hand Wash	200 ml		10 no.
142	Yeast extract	AR	1kg	2 kgs
143	KOH	LR		500gm
144	pH paper	AR	1 (200 no)	1 pk ( each pack of 200 nos)
145	Wettable sulphur	LR		500gm
146	Polysorbate 80 (Tween 80)	500 ml		1pk (pack of 500 ml)
147	PVP (polyvinylpyrrolidone)	AR	1 kg	2 pks ( pack of 1 kg)
148	Mannitol	AR	1 kg	3 pks ( pack of 1 kg)
149	Glucose	LR	500G	17pks
150	formaldehyde	LR	500ml	06pks( pack of 500 ml)
151	formalin	LR	500ml	12pks( pack of 500 ml)
152	Yeast	LR	500GM	500GM
153	glassware cleaning solution	1ltr		5ltrs
154	glycerin for insects preservation	LR	1ltr	1LTR
155	HCL	LR	1ltr	2ltr
156	round plastic box (50ml quantity)	1no		500
157	non absorbent cotton	rolls		10 No
158	Magnesium sulphate	AR	500g	10pks
159	Ferrous sulphate	AR	500g	5pks
160	sodium molybdate	AR	500g	10pks
161	magnesium sulphate heptahydrate	AR	500g	10PKS

<b>List of Special Grade Chemicals required: (B)</b>				
<b>Sl No</b>	<b>Name of the Item</b>	<b>Grade</b>	<b>Pack size</b>	<b>Total Requirement</b>
1	1,4 Di oxane	HPLC	1 L	18 L ( pack of 1 liter)
2	Acetic Acid	HPLC	1 L	3 L ( pack of 1 liter)
3	Acetonitrile	HPLC	2.5 L	300 L ( pack of 2.5 Liters)
4	Acetonitrile	ULC	4 L	336 L ( pack of 4 Liters each)
5	Ammonium Acetate	ULC	100 g	1 kg ( pack of 100 grams each)
6	Ammonium Formate	ULC/MS	50 g	200 grams ( 50 grams pack each)
7	C18 Sorbent	Residue Grade	100 g	1 kg ( pack of 100 grams each)
8	Formic Acid	ULC	500 mL	1 liter ( 500 ml pack)
9	Graphitized Carbon black (GCB)	Residue Grade	25 g	250g (pack of 25gm)
10	Iso octane	HPLC	1 L	25 Liters ( 1 Liter pack)
11	Isopropanol	HPLC	2.5 L	10pks (pack of 2.5L)
12	Isopropanol	LR	500ml	500ml
13	n- Hexane	HPLC	2.5 L	10 liters ( 2.5 L pack size)
14	n- pentane	HPLC	2.5 L	15 liters ( 2.5 L pack size)
15	Primary Secondary Amine (PSA)	Residue Grade	100 g	1500 grams ( pack of 100g)
16	Tetrachloroethylene	SPECTRO GRADE	1 L	4 Liters ( pack of 1L)
17	Water	HPLC	1 L	100 L ( pack of 1L)
18	Water	ULC	4 L	340 L ( pack of 4 L)
19	L- Cystine	Biological Grade	500 g	500 grams

<b>List of General Glassware Items Required: (C)</b>			
<b>Sl No</b>	<b>Name of the Item</b>	<b>Pack size</b>	<b>Total Requirement</b>
1	Beaker with spout	50 mL borosilicate	10 no.
2	Beaker with spout	100 mL borosilicate	30 no.
3	Beaker with spout	250 mL borosilicate	10 no.
4	Beaker with spout	500 mL borosilicate	25 no.
5	Beaker with spout	2000 mL borosilicate	5 no.
6	Borosilicate (JSGW) glass vials with screw caps	30 mL capacity	200 no.
7	Droppers with rubber teat	15 cm	50 no.
8	Funnels long stem borosilicate	50mm	10 no.
9	Funnels long stem borosilicate	35 mm dia	5 no.
10	Micofunnel	20 mm dia	10 nos.
11	Gas washing bottles with interchangeable joints, Dreshle's type	125 mL borosilicate	6 nos

Sl No	Name of the Item	Grade / Pack size	Total Requirement
12	Gas washing bottles with interchangeable joints, Dreshle's type	250 mL borosilicate	3 no.
13	Dropping bottles with interchangeable stopper and rubber teat	125 mL borosilicate	6 no.
14	Iodine flask	250 mL borosilicate	25 no.
15	Bottles Reagent, Plain Narrow Mouth, Graduated with Interchangeable Flat Head Stopper	500 mL	5 no.
16	Erlenmeyer conical flask , narrow mouth, with rim	250 mL borosilicate	25 no.
17	Reaction flask, round bottom, two necks angled at 35 ° to vertical (centre,24/29 side neck 19/26)	250 mL borosilicate	10 no
18	Reaction flask , two necked (the side neck with provision to connect to gas rubber tubing of 8mm dia angled at 35 ° to vertical, centre neck with 24/29)	250 mL borosilicate	5
19	T Joint with centre joint to fit in 24/29 joint and two side joints with 7 mm dia for gas tubing	250 mL borosilicate	5
20	Reagent bottle (transparent) narrow mouthwith Bakelite Screw Cap and PTFE/Rubber liner	500 mL	5 no.
21	Reagent bottle (transparent) narrow mouthwith Bakelite Screw Cap and PTFE/Rubber liner	100 mL	4 No.
22	Solvent dispenser Kit with Bottle, with recirculating valve for bubble free dispensing	1 - 10 mL with 0.1 mL increment, $\pm 0.6$ % accuracy,	2 no.
23	Solvent dispenser Kit with Bottle, with recirculating valve for bubble free dispensing	5-60 mL with 1 mL increment, $\pm 0.6$ %L accuracy,	2 no.
24	Conical flask with inter changeable stopper	250 mL borosilicate	25 no.
25	Condenser. Allihn (Bulb Condenser)	19/26 socket, 200-250 mm jacket	10 no.
26	Watch glass		20
27	Conical flask 250 ml		30
28	Glass jars for specimen 22cm		30 nos
29	Glass jars for specimen 25 cm		10 nos.
30	Measuring cylinder 50ml		5 nos.
31	Glass Rod		5 nos.
32	Glass jar	1 lit	20 no
33	heat resistant gloves (good quality)	In pairs	20 pairs

<b>List of Glassware Items CLASS-A Grade (with Certificate of calibration) Required: (D)</b>			
<b>Sl No</b>	<b>Name of the Item</b>	<b>Grade /Pack size</b>	<b>Total Requirement</b>
1	100 mL Volumetric flasks interchangeable glass stoppers	Class-A	50 no.
2	25 mL Volumetric flasks with interchangeable glass stoppers	Class-A	10 no.
3	50 mL Volumetric flasks with interchangeable glass stoppers	Class-A	50 no.
4	Bulb Pipette	1 mL Class-A (1/Pk)	6 no.
5	Bulb Pipette	5 mL Class-A (1/Pk)	5 No's
6	Bulb Pipette	10 mL- Class-A (1/Pk)	5 No's
7	Bulb Pipette	25 mL Class-A (1/Pk)	5 No's
8	Bulb Pipette	50 mL Class-A (1/Pk)	5 No's
9	Pipettes, Measuring, Graduated,	Class -A, 0.1 mL, sub division 0.01 mL	10 No's
10	Pipettes, Measuring, Graduated,	Class -A, 1.0 mL, sub division 0.01 mL	10 No's
11	Pipettes, Measuring, Graduated,	Class -A, 0.5 mL, sub division 0.02 mL	5 No's
12	Pipettes, Measuring, Graduated,	Class -A, 2.0 mL, sub division 0.02 mL	10 no.
13	Pipettes, Measuring, Graduated,	Class -A, 5.0 mL, sub division 0.05 mL	3 no.
14	Pipettes, Measuring, Graduated,	Class -A, 10.0 mL, sub division 0.1 mL	5 no.
15	Burettes, straight bore with PTFE stopcock	50 mL- Class A with 0.1 mL sub division and $\pm 0.05$ mL tolerance	10 no.
16	Glass Funnels	(75 mm dia)	2 no.
17	Small glass bottles vials 20ml	1 pack	5 pack
18	Dressing forceps and needles	1 box	20 box
19	small glass bottles vials 30ml	1pk	5pack
<b>List of Plastic ware, consumables and Other Miscellaneous Items: (E)</b>			
<b>Sl No</b>	<b>Name of the Item</b>	<b>Grade/pack size</b>	<b>Total Requirement</b>
1	0.20 Micron membrane filters	(47 mm) organic (100/pk)	5 pks
2	0.20 Micron membrane filters	(47 mm) Aqueous(100/pk)	2 pks
3	Centrifuge tube <b>holding stands/ Tray</b>	(15 mL capacity) 5/Pk	2 Pks
4	Injection <b>vial holding tray</b>	1 no. (2 mL)	10 no

5	Centrifuge tube <b>holding stands/ Tray</b>	(50 mL capacity) 1 /pk	16 pk.
Sl No	Name of the Item	Grade/pack size	Total Requirement
6	Centrifuge Tubes , <b>Conical bottom</b>	15 ml (500/pk)	12 pks
7	Centrifuge Tubes , <b>Conical bottom</b>	50 mL (500/Pk)	5 packs
8	Centrifuge Tubes , <b>round bottom</b>	15 mL (500/Pk)	5 packs
9	PTFE 0.22µm Syringe Filters	(0.22µm) 100/Pk	85 boxes
10	Tough Spots self-adhesive (labels assorted colours)	1 pk (1000/pk)	3pk
11	Disposable Respirators for protection from particulates. NIOSH approved. Large Breathing chamber, foam on the entire sealing surface, layer of carbon to provide odour relief from gases and vapours	20/pk	50 pks
12	Micro centrifuge Tube <b>Holder</b>	(2 mL) 4/Pk	2 pks
13	Injection vials 2mL GCMS/MS	Clear glass screw vial 2 mL , 9mm,(100/Pk)	70pks
14	Injection vials 2mL LCMS/MS	Clear glass screw vial 2 mL , 9mm, (100/Pk)	70pks
15	Micro pipette <b>Stands</b>	5 Places-1 stand	2 stands
16	Ordinary Filter Papers	500 sheets	3000 sheets
17	Pipette controllers	2 mL (4/pk)	10 packs
18	Pipette controllers	10 mL (5/pk)	20 packs
19	Pipette controllers	25 mL (4/pk)	5 packs
20	Purple safe skin powder free, Nitrile Gloves	Large (50 pairs/box)	28 boxes
21	Rubber bulb for pipette	Small	10
22	Rubber bulb for pipette	Medium	15
23	Rubber bulb for pipette	Large	15
24	Rubber bulb for pipette	Extra Large	10
25	Retort rings	3 " dia	6
26	Spatula,SS, one end flat another end spoon type	(Small) SS" 4"/1 No	25 No's
27	Spatula,SS, one end flat another end spoon type	SS 9" /1 No	25 no.
28	Micro Spatula, SS, Wire type	6 "	25 no.
29	Test tube <b>stands, Plastic 20</b>	20 mm x 20 places (4/Pk)	7 packs
30	Tissue Rolls	Roll	405 rolls
31	Wash bottles LDPE, conforming to IS-10146, 10147 or US FDA 21 CFR specifications for LDPE	500mL capacity, 6/pk.	5 packs
32	Whattmann filter papers (no.1)	110mm dia	2 packs

33	Rubber cone for filtration flask,	suitable for 250 mL flask, with 2.8 cm diameter	5 no.
Sl No	Name of the Item	Grade/pack size	Total Requirement
34	Rubber cone for filtration flask,	suitable for 500 mL flask, with 3.4 cm diameter	5 no.
35	Rubber cork extra soft quality, with hole (10/pk)	(10/pk) Top 3.85 cm dia, Bottom dia 3.1 cm and height 3.7 cm and hole with 1.1 cm dia	1 pack
36	Magnetic stirring bars, PTFE coated	25 mm length x 8mm dia	10 no.
37	Burette Stands	9" x 6" rectangular cast iron base with 30" x 1/2" mild steel rod	10 no.
38	Magnet retriever bar	300 mm length x 12 mm dia	2no.
39	Glove box holder, 3 places	260 x 100x 415 (LxWxH)	4 no.
40	Micro Pippet tips	2- 20 uL (100/pk)	5 packs
41	Volumetric flasks, Polypropylene	100 mL, Class- A	50 no.
42	JLD Canister ALP 5000ppm	ALP 5000ppm	10
43	Cotton cloth		10 m
44	Disposable gloves medium size	1pk (100Nos)	43 pks
45	Emergency Oxygen Kit	--	1
46	Fumigation covers	(Tarpaulin) 30X40 feet	2
47	JLD Gas mask		4
48	Herbarium sheets	1pk (100)	5pk (pack of 100)
49	Inoculation needle		10
50	Muslin cloth - black	Meter	45mtrs
51	Muslin cloth - white	Meter	45mtrs
52	Razor blade – one pack	10/pack	1pk
53	Stainless steel vessel for heating		5
54	Thermo flask	(1000 ml)	2
55	Zip-lock covers (large)		5 packs
56	Zip-lock covers (medium)		5 packs
57	Zip-lock covers (small)		5 packs
58	Plastic trays	16X22 sizes	50
59	Micro pipette tips	10 µL	1pks (pack of 1000Nos)
60	Micro pipette tips	1000 µL	5pks (pack of 1000Nos)
61	Test Tube (Borosil) 15X150 mm	1pk (100no)	4pks (pk of 100nos)
62	Whatmann filter papers	125mm (pk of 100ns)	8pks (pk of 100 nos)
63	Weighing boats small	1 pk	1 pk
64	Weighing boats large	1 pk	1 pk
65	Brushes for glass cleaning	Small	45No

66	Brushes for glass cleaning	medium	45No
67	Brushes for glass cleaning	large	5 No
<b>Sl No</b>	<b>Name of the Item</b>	<b>Grade/pack size</b>	<b>Total Requirement</b>
68	Whatman filter papers	90mm 1pk(100)	4pk
69	Sponge sheet		10mtrs
70	Plastic cover (zipper pack) (6×4 inch)	1 pack (100 no)	6pks (pack of 100 Nos)
71	Jaggery	AR	15kgs
72	Plastic pots	1 ftdia	50 No
73	1 mm Thickness Double Concave cavity single Well Microscope Slides		5pk
74	Khada Cloth		50mt.
75	Tray covers (16 X 22 sizes)	1 kg	8pkts (pk of 1kg)
76	Sucrose	AR pack of 1 kg	7pks
77	vials (tarson)-10ml	1pk(pack of 500vials)	5pks (pack of 500Nos)
78	zip lock cover (4x3) inc	Pack of 100	86pk (pack of 100nos)
79	plastic covers (zipper pack)(small size)	1pk(100)	20pks
80	trypan blue indicators	25g	25g
81	proteose peptone	AR	10pks (pk of 500g)
82	Nacl	AR 1 kg	1kg

**List of Columns, Syringes required for GC and LC systems and Micropipettes: (F)**

<b>Sl No</b>	<b>Name of the Item</b>	<b>Grade /Pack size</b>	<b>Total Requirement</b>
1	Silica Column for HPLC	250 X 4.6mm, u silica particles of 5 $\mu$ size, Pore size 100 °A, Surface area 400 m <sup>2</sup> /g, and pH 2-7 stable.	2
2	C18 Column for HPLC	250 X 4.6mm, 5 $\mu$ Pore size 100 °A, Surface area 200 m <sup>2</sup> /g, Carbon load 9 % and pH 2-8.	2
3	Guard Column –C18	25 mm X 4.6 X 5 $\mu$	2
4	C18 Column	150 X 2.1mm, 1.7 $\mu$ Pore size 100 °A, Surface area 200 m <sup>2</sup> /g, Carbon load 9 % and pH 2-8	2
5	C18 Column	100 X 2.1mm, 1.7 $\mu$ , Pore size 100 °A, Surface area 200 m <sup>2</sup> /g, Carbon load 9 % and pH 2-8	2
6	Guard Column , C18 BEH	2.1 X 50 mm, 1.7 $\mu$	4
7	GC Syringes, Beveled tip for manual injection with guided plunger	10 $\mu$ L	5

Sl No	Name of the Item	Grade /Pack size	Total Requirement
8	HPLC Syringes with cemented needle, blunt tip	50 $\mu$ L	3
9	Priming Syringes for HPLC pumps	10 mL	5
10	C18 Catridge filters,	6 CC, 500 mg, 30 pieces/box	2 boxes
11	Mechanical Micro pipette	1-10 mL adjustable volume, single channel, increments 0.02 mL accuracy $\pm 2.0$ to 0.5% and precision 0.8 to 0.2%.	5 no.
12	Mechanical Micro pipette ,	500-5000 uL adjustable volume, single channel, increments 0.01 mL accuracy $\pm 2.0$ to 0.5% and precision 0.8 to 0.2%	4 no.
13	Electronic digital Micro pipette	20-200uL adjustable volume, single channel, increments 1 uL accuracy $\pm 3.0$ to $\pm 0.6\%$ and precision 0.7 to 0.2%. Warranty 2 yrs. with 2 packs of compatible micro tips	3 No's
14	Electronic digital Micro pipette	5-50uL adjustable volume, single channel, increments 0.1 uL accuracy $\pm 3.0$ to $\pm 0.8\%$ and precision 2.5 to 0.3%. Warranty 2 yrs. with 2 packs of compatible micro tips	1 No
15	Digital thermometer with probe	Temperature range -20°C to 10°C accuracy :0.5°C resolution:0.1°C	10 Nos
16	Digital Thermo Hygrometers	Humidity range:25-95% accuracy $\pm 2\%$ in RH Resolution: $\pm 1\%$ in RH Temperature:0.5°C accuary:1°C resolution:0.1°C LCD Display for RH-2digital and temperature:3½ digital	6 Nos

S.No	Name of the Item	Grade	Total Requirement
1	Poly Proplene Bottles with cap	125 mL	1000
2	Poly Proplene Bottles with cap	1000 mL	200
3	HDPE bottles with inner PTFE seal and cap	125 mL	1500
4	Glass Amber Coloured Bottles (storage vials)with inner PTFE seal and screw cap	2 mL (100/pk)	5 packs (Pack of 100)
5	CardboardPacking Boxes	4'' x 4'' x 6''	1500
6	Packing roll ( polythene Sheet	size - 18 inches-1 roll	1

**Note: The supply will be accepted only, if the offered items are in accordance with the quality and quantity ( as per required pack size mentioned above) as per technical specifications of NIPHM. No Deviation will be accepted. The quantity of items may be increased or decreased depending on the actual need/requirement of NIPHM.**

### 31. PRICE BID - PART– B

1. FINANCIAL BID / BOQ (In xls. Format only) (a) Financial Bid as BoQ\_XXXX.xls to be filled online & submitted. Please note that the file name should not be changed.
2. Bidders are requested to quote the final price (after discount) for the required pack size only ( required pack is clearly mentioned in BOQ).

**Note:** 1.Items should be delivered at NIPHM.  
2. GST should be indicated clearly.  
3.Prices should be quoted only in Indian rupees.  
4.Thequantity of items may be increased or decreased depending on the actual need/requirement of NIPHM.

We are herewith undertaking that the details provided above are true and to abide by the terms and conditions contained in the bid document of NIPHM.

Signature of authorised official  
(With seal and stamp)  
Name & Designation

i. प्राधिकार पत्र हेतु प्रपत्र/FORMAT FOR AUTHORISATION LETTER

सेवा में/To,

रजिस्ट्रार/ The Registrar,  
राष्ट्रीय वनस्पति स्वास्थ्य प्रबंधन संस्थान  
National Institute of Plant Health Management,  
राजेन्द्रनगर/ Rajendranagar,  
**हैदराबाद/Hyderabad-500 030.**  
तेलंगाना /Telangana,

महोदय/महोदया  
Sir/Madam,

हम एतद्वारा ----- को बोली(बिड)  
प्रस्तुत करने एवं भाग लेने हेतु तथा प्रस्तुत किए गए संविदा संदर्भ ----- पर हस्ताक्षर करने के लिए  
प्राधिकृत करते हैं। इस संबंध में उनके द्वारा लिया गया कोई भी निर्णय हमें स्वीकृत है।

We hereby authorise \_\_\_\_\_ to submit a Bid and  
subsequently participate and sign the contract submitted against the Ref.:  
\_\_\_\_\_. We hereby accept his decision taken, if  
any, in this regard.

(प्रतिनिधि के तौर पर एवं कंपनी की ओर से हस्ताक्षर)  
(Signature for and on behalf of the Company)

स्थान/Place:

दिनांक/Date :

ii. **FORMAT FOR UNDER TAKING**

**UNDERTAKING**

- a. मैं/हम वचन देता हूँ /देते हैं कि मैंने/हमने सभी निबंधन एवं शर्तों को सावधानीपूर्वक अध्ययन कर लिया है एवं रावस्वाप्रसं (एनआईपीएचएम) के प्रस्तावित आपूर्ति संबंधी मानदण्डों को समझ लिया है तथा उल्लिखित सभी मानदंडों का अनुपालन करूंगा/करेंगे।

*I/We undertake that I/We have carefully studied all the terms and conditions and understood the parameters of the proposed supplies of the NIPHM and shall abide by them.*

- b. मैं/हम यह भी वचन देता हूँ/ देते हैं कि मैंने/हमने 'दिनांक----- के निविदा के संलग्नक-IIमें उल्लिखित आपूर्ति करने संबंधी मानदण्डों एवं तकनीकी विनिर्देशन विशिष्टि"को समझ लिया है एवं "आपूर्ति संबंधी मानदण्डों एवं विनिर्देशन विशिष्टि"के अनुसार आपूर्ति करूंगा/करेंगे"।

*I/We also undertake that I/We have understood "Parameters and Technical Specifications for making the supplies" mentioned in Annexure-II of the Tender dated \_\_\_\_\_ and shall make the supplies strictly as per these "Parameters and Technical Specifications for the supplies".*

- c. मैं/हम आगे यह भी वचन देता हूँ

/देते हैं कि इस निविदा में सभी संदर्भों में दी गई सूचनाएं मेरी अधिकतम जानकारी के अनुसार सही और सत्य है एवं मैं/हम इस के प्रति पूरी जिम्मेदारी लेता हूँ /लेते हैं। तथा फर्म/कंपनी किसी भी सरकार कार्यालय / मंत्रालय / विभाग / पीएसयू / प्रतिष्ठित संगठन और बैंक आदि द्वारा काली सूची में सूचीबद्ध नहीं किया गया है।

*I/We further undertake that the information given in this tender is true and correct in all respect and we hold the responsibility for the same and the firm/ Company has not been black listed by any Govt. office/ministry/Department/PSUs/ reputed organization and Banks etc.*

दिनांक :

(कंपनी के मोहर सहित निविदाकार के हस्ताक्षर एवं दिनांक)

*Dated at (Dated signature of Bidder with stamp of the firm)*

### **Instructions for Online Bid Submission:**

As per the directives of Department of Expenditure, this tender document has been published on the Central Public Procurement Portal (URL: <http://eprocure.gov.in>). The bidders are required to submit soft copies of their bids electronically on the CPP Portal, using valid Digital Signature Certificates. The instructions given below are meant to assist the bidders in registering on the CPP Portal, prepare their bids in accordance with the requirements and submitting their bids online on the CPP Portal. More information useful for submitting online bids on the CPP Portal may be obtained at: <https://eprocure.gov.in/eprocure/app>.

### **REGISTRATION :**

- 1) Bidders are required to enroll on the e-Procurement module of the Central Public Procurement Portal (URL: <https://eprocure.gov.in/eprocure/app>) by clicking on the link "Click **here to Enroll**" on the CPP Portal is free of charge.
- 2) As part of the enrolment process, the bidders will be required to choose a unique username and assign a password for their accounts.
- 3) Bidders are advised to register their valid email address **and** mobile numbers as part of the registration process. These would be used for any communication from the CPP Portal.
- 4) Upon enrolment, the bidders will be required to register their valid Digital Signature Certificate (Class II or Class III Certificates with signing key usage) issued by any Certifying Authority recognized by CCA India (e.g. Sift' / TCS / nCode / eMudhraetc.), with their profile.
- 5) Only one valid DSC should be registered by a bidder. Please note that the bidders are responsible to ensure that they do not lend their DSC's to others which may lead to misuse.
- 6) Bidder then logs in to the site through the secured log-in by entering their user ID / password and the password of the DSC / e-Token.

### **SEARCHING FOR TENDER DOCUMENTS:**

- 1) There are various search options built in the CPP Portal, to facilitate bidders to search active tenders by several parameters. These parameters could include Tender ID, organization name, location, date, value, etc. There is also an option of advanced search for tenders, wherein the bidders may combine a number of search parameters such as organization name, form of contract, location, date, other keywords etc. to search for a tender published on the CPP Portal.
- 2) Once the bidders have selected the tenders they are interested in, they may download the required documents / tender schedules. These tenders can be moved to the respective 'My Tenders' folder. This would enable the CPP Portal to intimate the bidders through SMS / e-mail in case there is any corrigendum issued to the tender document.
- 3) The bidder should make a note of the unique Tender ID assigned to each tender, in case they want to obtain any clarification / help from the Helpdesk.

## **PREPARATION OF BIDS :**

- 1) Bidder should take into account any corrigendum published on the tender document before submitting their bids.
- 2) Please go through the tender advertisement and the tender document carefully to understand the documents required to be submitted as part of the bid. Please note the number of covers in which the bid documents have to be submitted, the number of documents - including the names and content of each of the document that need to be submitted. Any deviations from these may lead to rejection of the bid.
- 3) Bidder, in advance, should get ready the bid documents to be submitted as indicated in the tender document / schedule and generally, they can be in PDF / XLS / RAR / DWF formats. Bid documents may be scanned with 100 dpi with black and white option.
- 4) To avoid the time and effort required in uploading the same set of standard documents which are required to be submitted as a part of every bid, a provision of uploading such standard documents (e.g. PAN card copy, annual reports, auditor certificates etc.) has been provided to the bidders. Bidders can use "My Space" area available to them to upload such documents. These documents may be directly submitted from the "My Space" area while submitting a bid, and need not be uploaded again and again. This will lead to a reduction in the time required for bid submission process.

## **SUBMISSION OF BIDS :**

- 1) Bidder should log into the e-procure website well in advance for bid submission so that he/she upload the bid in time i.e. on or before the bid submission time. Bidder will be responsible for any delay due to other issues.
- 2) The bidder has to digitally sign and upload the required bid documents one by one as indicated in the tender document.
- 3) Bidder has to select the payment option as "offline" to pay the tender fee / EMD as applicable **and** enter details of the instrument.
- 4) Bidder should prepare the EMD as per the instructions specified in the tender document. The original should be posted/couriered/given in person to the Tender Processing Section, latest by the last date of bid submission. The details of the DD/any other accepted instrument, physically sent, should tally with the details available in the scanned copy and the data entered during bid submission time. Otherwise the uploaded bid will be rejected.
- 5) A standard BoQ format has been provided with the tender document to be filled by all the bidders. Bidders are requested to note that they should necessarily submit their price bids in the format provided and no other format is acceptable. Bidders are required to download the BoQ file, open it and complete the while coloured (unprotected) cells with their respective price quotes and other details(such as name of the bidder). No other cells should be changed. Once the Details have been completed, the bidder should save it and submit it online, without changing the filename. If the BoQ file is found to be modified by the bidder, the bid will be rejected.
- 6) The serve time (which is displayed on the bidders' dashboard) will be considered as the standard time for referencing the deadlines for submission of the bids by the bidders, opening of bids etc. The bidders should follow this time during bid submission.

7) All the documents being submitted by the bidders would be encrypted using PKI encryption techniques to ensure the secrecy of the data. The data entered cannot be viewed by unauthorized persons until the time of bid opening. The confidentiality of the bids is maintained using the secured Socket Layer 128 bit encryption technology. Data storage encryption of sensitive fields is done.

8) The uploaded tender documents become readable only after the tender opening by the authorized bid openers.

9) Upon the successful and timely submission of bids, the portal will give a successful bid submission message & a bid summary will be displayed with the bid no. and the date & time of submission of the bid with all other relevant details.

10) The bid summary has to be printed and kept as an acknowledgement of the submission of the bid. This acknowledgement may be used as an entry pass for any bid opening meetings.

#### **ASSISTANCE TO BIDDERS**

1) Any queries relating to the tender document and the terms and conditions contained therein should be addressed to the Tender Inviting Authority for a tender or the relevant contact person indicated in the tender.

2) Any queries relating to the process of online bid submission or queries relating to CPP Portal in general may be directed to the 24x7 CPP Portal Helpdesk. The contact number for the helpdesk is 1800 233 7315.