

# **Tender Document**

**For**

**Supply of Laboratory Chemical, Glassware & Filter Paper**

**Tender Notice No.C.Lab. I / 2010**



## **Maharashtra Pollution Control Board**

Kalpataru Point, 2<sup>ND</sup> - 4<sup>TH</sup> Floor, Sion Matunga Scheme Road No.8  
Opp. Sion Circle, Sion (East), Mumbai-400 022

**Website: <https://www.mpcb.gov.in>**

# Maharashtra Pollution Control Board

Kalpataru Point, 2<sup>nd</sup> – 4<sup>th</sup> Floor, Sion Matunga Scheme Road No.8  
opp. Sion Circle, Sion (East), Mumbai-400 022

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## **Tender for Supply of Laboratory Chemicals, Glasswares & Filter Paper**

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## **Maharashtra Pollution Control Board**

Kalpataru Point, 2<sup>nd</sup> - 4<sup>th</sup> Floor, Sion Matunga Scheme Road No.8,

Opp. Sion Circle. Sion (East), Mumbai - 400 022

**Website:** [http:// mpcb.gov.in](http://mpcb.gov.in)

### **Tender Notice**

Maharashtra Pollution Control Board invites sealed offers from the manufacturers and Authorized Agents (For Imported Products) for supply of Laboratory Chemicals, Glasswares, Filter Papers etc. through Annual Rate Contract for Laboratories of Board at Mahape Navi Mumbai, Pune, Nashik, Aurangabad, Nagpur, Chiplun, Chandrapur and Thane. List of suppliers (pre-qualified) shall remain valid during the year 2010-2013.

Tender document can be purchased from I/c. Central Laboratory, Nirmal Bhavan, Sheel Mahape Road, Mahape Navi Mumbai - 400710 during office hours except holidays from , 25<sup>th</sup> May 2010 to 4<sup>th</sup> June 2010 at the cost of Rs. 2,000/- (Rupees Two Thousand only) (Non Refundable) paid by D.D. / Pay Order of nationalized bank, in favour of the "Maharashtra Pollution Control Board" or can be downloaded from the MPCB's website.

Sealed offers should be submitted to I/c. Central laboratory on or before 9<sup>th</sup> June 2010 before 15.00 hrs. The tender will be opened on 11<sup>th</sup> June at 16.00 hrs. at Central Laboratory , Mahape, Navi Mumbai.

**Sd/-**  
**Member Secretary,**  
**M.P.C.B., Mumbai**

# MAHARASHTRA POLLUTION CONTROL BOARD



Kalpataru Point, 3<sup>RD</sup> & 4<sup>TH</sup> Floor,  
Sion Matunga Scheme Road No.8  
Sion Circle

NAME OF THE WORK: PURCHASE OF LABORATORY CHEMICAL, GLASSWARE,  
FILTER PAPERS

Tender Notice No.: -C.Lab. I/2010

## Schedule of Tender

- |    |                                                            |                                                                          |
|----|------------------------------------------------------------|--------------------------------------------------------------------------|
| 1. | Price of Tender Document<br><b>By hand or From Website</b> | <b>Rs. 2000/-</b>                                                        |
| 2. | Date of sale of tenders                                    | 25/04/2010 <b>on all working days<br/>between 1000 Hrs. To 1700 Hrs.</b> |
| 3. | Last date of purchase of<br>Tender                         | 04/06/2010 <b>till 1700 Hrs.</b>                                         |
| 4. | Date of Submission of tender                               | 09/06/2010 <b>up to 1700 Hrs.</b>                                        |
| 5. | Date of opening of tenders                                 | 11/06/2010 <b>at 1500 hrs.</b>                                           |
| 6. | Earnest Money Deposit                                      | Rs 20,000/- for each category                                            |
| 7. | Security Deposit                                           | Rs. 25000/-                                                              |

(Mahesh Pathak)<sub>IAS</sub>  
Member Secret

### **Terms & Conditions:**

1. The Tender is open to only manufacturer and in case of imported goods authorized Distributors in Maharashtra.
2. List of chemical / Glasswares / Filter Papers are enclosed at Annexure I, II & III. Bidders are requested to state the discount available on the original Catalog price for the financial year (i.e.2010-11). The cost of each item shall be quoted after deducting the discount. Sales Tax, VAT, Excise Duty, Octroi shall be paid at actuals as applicable at the time of delivery. No extra charges shall be paid for packing, forwarding, Insurance, Transportation etc.
- 3 The tender documents are available at Maharashtra Pollution Control Board's website or with Central Laboratory and shall be issued on the payment of Rs. 2,000/- (non-refundable) by Pay Order / D.D. of nationalized bank. Please note that these forms are not sent by either Courier or by Post. If a tender document is downloaded from the MPCB's website, then bidder should enclose tender document fees of Rs. 2000/- by D.D./ Pay Order of nationalized bank in favour of **Maharashtra Pollution Control Board**.
4. No Bid document will be issued after the last date of issue of forms.
5. The bidder is expected to examine all instructions mentioned in tender documents forms and terms & conditions. Failure to furnish all information required by the tendering documents or submission of all documents, not substantially responsive to the tendering document in every respect will be at the risk and may result in the rejection of tender.
6. This call of tenders does not bind the M.P.C.B. to place order. The tenders submitted in response to this invitation may be rejected without assigning any reasons.
7. The Board at its discretion may extend the last date of submission of tender and opening of tenders. The authority does not bind itself to accept the lowest tender and is vested with authority to reject any or all of the tenders received without assigning any reason.
8. Documents, samples, etc. enclosed in the tender, shall become the property of M.P.C.B. without any payment.
9. In case of dispute, the decision of Member Secretary, Maharashtra Pollution Control Board shall be final.
10. The proposal from the firms / Bidder putting their own terms and conditions will be rejected.
11. The validity of the tender will be for the duration of 3 years i.e. April 2010 to March-2013.
12. Any tender with any of the document not signed will be rejected.

13. The tender must be filled in English and all the entries must be made by hand written in ink or may be typed. If any of the document is missing, or unsigned tender will be considered invalid.
14. Each folio of the tender should be signed by the tenderer or authorised signatory.
15. The price bid of only those bidders will be opened whose Pre qualification Criteria (Schedule - I) are found to be acceptable.
16. The tender shall contain no interlineations erasures or overwriting of words except as necessary to correct errors made by tenders, in which case such correction shall be initialized by the person or persons.
17. Late and delayed tenders shall not be accepted.
18. The sealed tenders as mentioned at condition no. 23, may be dropped in the tender box kept at Central Laboratory, Maharashtra Pollution Control Board, Nirmal Bhavan, Mahape, Navi Mumbai - 400 710. The bidder may send his tender document by RPAD, so as to reach on or before prescribed date & timing. However postal delays shall not be considered.
19. In no case tender should be handed over to any employee of the Board.
20. Canvassing in any form will disqualify the tender.
21. Request for tender document for tendering through Telephone, Fax, by Post shall not be entertained.
22. All tenders shall be addressed to:  
**The Member Secretary,**  
**Maharashtra Pollution Control Board,**  
Kalpataru Point, 2<sup>nd</sup> - 4<sup>th</sup> Floor,  
Sion Matunga Scheme Road No.8, Opp. Sion Circle.  
Sion (East), Mumbai - 400 022
23. The tender shall be submitted in three separated sealed envelopes (covers), duly completed in all respect, signed along with seal of manufacturer viz.
  - a) First envelope (Cover) Should contain
    - 1). Earnest Money deposit (EMD) as applicable
    - 2). Tender document fee if tender document is downloaded through MPCB's website,
    - 3). Application form and general terms and conditions.
  - b) Second envelope (Cover) for prequalification criteria Schedule – I.
  - c) Third envelope (Cover) for Price Bid (Annexure – I,II,III)

Each envelope should be properly superscribed.

First envelope containing earnest money & tender document fee and pre qualification criteria Schedule – I and second envelope containing schedule II' will be opened on 11<sup>th</sup> June 2010 at 16.00 hrs in presence of bidders who choose to be present.

Third envelope containing Price bid (Annexure I,II,III) will be opened on

the same day if possible, or on a later date which will be communicated by Board on same day or on a later day by Post/ E-mail / Fax.

24. Earnest money of the unsuccessful bidder will be refunded without any interest after the tender is finalized or within one month, whichever is earliest and that of successful bidder will be refunded without any interest after 3 months of the finalization of tender or can be adjusted as a security deposit, on the request of the bidder.
25. Successful bidder shall deliver the goods at the door step at Central Laboratory, Navi Mumbai and Regional Laboratories at Thane, Chiplun, Pune, Nashik, Aurangabad, Nagpur, Chandrapur and or any other place as mentioned in purchase order.
26. Successful bidder will have to supply laboratory consumables at rate finalized during the financial year of 2010.
27. Successful bidder or his authorized local agents / dealers as mentioned in Tender document have to supply the consumables (Chemicals, Glasswares, Filter Paper etc) within 5 days after receipt of purchase orders.
28. The bidder shall mention the rates for supply of goods as per specification during the financial year 2010. **They also should mention percent rise / fall in the prices during the subsequent years that is 2011-2012 and to 2012-2013.**
29. The rates shall be binding upon the successful bidder, if the successful bidder is unable to supply particular goods within specific time period and at accepted rates; Board is free to purchase the same goods from the L-2 bidder and the difference in cost of that particular goods will be deducted from the security deposit .
30. The successful bidder shall deposit Rs. 25,000 as a security deposit which is refundable, without interest, after the successful completion of the contract period, 3 years.
31. In case of any dispute, the Mumbai is the jurisdiction.

**Date:**

**Place:**

**(Name & Seal & Signature of Bidder)**

# **Maharashtra Pollution Control Board**

## **Schedule- I**

### **PRE-QUALIFICATION CRITERIA**

Following Signed & Sealed documents should be submitted:

1. Undertaking of having manufacturer along with address of manufacturing activity. In case of foreign manufacturers, Indian counterpart shall enclose Authority letter from their principal.
2. List of Govt./Semi Govt. Institutions, Universities etc. having supplied laboratory Chemicals 1 Glasswares 1 Filter Papers etc. Enclose Photocopies of Annual rate contract for last two years. Total Annual supply should not be less than Rs.10 Lacs.
3. Certificate of registration for ARC with DGS & D.
4. The intending bidder will have to submit earnest money deposit (EMD) as follows.
  - a) For Chemicals Rs. 20,000/-
  - b) For Glasswares Rs. 20,000/-
  - c) For Filter papers Rs. 20,000/-In the form of pay order / Demand Draft of a national bank drawn in favor of "Maharashtra Pollution Control Board" with a validity of six months after the date of issue of this tender. A tender which is not accompanied by earnest money will not be considered.
5. Certified copies of S.T., Excise Registration No, PAN No.
6. List of authorized distributor suppliers in Maharashtra with detailed address and jurisdiction shall be enclosed.

**Date :**

(Signature of Supplier)

**Place:**

(Name & Designation)

# Maharashtra Pollution Control Board

## Schedule - II

### Technical Specifications

1. **Chemical:-** All Chemical should be of analytical reagent grade or equivalent.  
(AR Grade COA to be furnished where requested.)
2. **Glasswares:-** Borosilicate Glass - Class 'A' with certificate
3. **Filter Papers:-**

**a) Filter paper (Quantitative):** (Equivalent to Whatman Grade No. 42, ash less)

Pore Size - 2.5  $\mu$ m. (Micrometer), Ash content - 0.007 % & Thickness - 0.20 mm. and weight - 100 g/m<sup>2</sup> with the finest particles retention of all cellulose filter typical analytical precipitates include Barium Sulphate, Metastannic Acid and finely precipitated calcium carbonate Ash less circles, 125 mm diameter.

(Box containing 100 No. Circle form paper)

**b) Glass Micro Fiber Filter:** (Equivalent to Whatman GF / A)

Pore Size - 1.6  $\mu$ m. (micrometer), Thickness - 0.26 mm., Dry Tensile in gram 430., suitable for suspended solids in all types of water and effluent and filtration of particles in water, algae and bacterial culture. Circles 47 mm. diameter. (Box containing 100 No. Paper circles)

**c) Qualitative Filter Paper:** (Equivalent to Whatman Grade - 1)

Pore Size - 11 Micrometer, Ash content - 0.06 %, Thickness - 0.18 mm. Weight - 87 g/m<sup>2</sup>, Filter paper qualitative 460 x 570 mm. Sheet.

(Box containing 100 rectangular sheets)

**d) Glass Micro-fiber Extraction Thimbles:**

(Equivalent to Whatman Grade HP - GF)

High purity, internal diameter x External Length x 19 mm. x 90 mm, the Thimble should be free of binders or additives and can be used at temperatures up to 500<sup>o</sup> C. (Box containing 25 Thimbles) (To be used for Stack Monitoring)

**e) Cellulose Extraction Thimbles:** (Equivalent to Whatman grade)

1). 19 mm. x 90 mm.

2). 21 mm. x 90 mm.

(Box containing 25 nos. thimbles) (To be used for Stack Monitoring)

3). Allendum 21 mm x 90 mm.

**f) Glass Micro-fiber Filters - Sheets:** (Equivalent to Whatman Grade)

1). 203 x 254 mm. (Box containing 100 sheets) To be used for Ambient Air monitoring

2). **EPM 2000** or equivalent high purity borosilicate glass for high volume air sampling this paper should sustain for temperature of 500<sup>o</sup>C.

203 x 254 mm. (Box containing 100 sheets)

3). **PM 2.5 air monitoring filters. Size 46.2mm circular box containing 50 circles in box** High purity thin PTFE membrane required for ambient air monitoring.

# MAHARASHTRA POLLUTION CONTROL BOARD

## Application form

(To Be Filled by the Manufacture or his distributor enclose authority letter of Principal manufacture in case of imported goods)

- 1) Name and full address of Bidder Including telegraphic address / e-mail / Telephone No. and Fax No.
- 2) Name and designation of the Head of The Firm/Supplier and his Tele. No. / Fax / Email
- 3) (i) In case the supplier is located out of Mumbai, his contact address/ authorized distributors or agents address in Mumbai, if any.  
(ii) Name, designation, address Telephone No. E-Mail of the authorized person who may be contacted during the process of the purchase concerned under this document (applicable for all the suppliers)
- 4) Tender Document Fees : Rs. 2000/- Yes No
- 5) Earnest Money Deposited  
i) Chemicals : Rs. 20000/- Yes No  
ii) Glasswares : Rs. 20000/- Yes No  
iii) Filter Papers : Rs. 20000/- Yes No
- 6) If Yes, D.D. No. / Date / Name of Issuing Bank  
(Enclose separate DD for Tender fees & EMD)
- 7) Whether the Tender conditions are : Yes No  
acceptable in full. (Reply Yes or No)
- 8) **Enclose aethnicity letter of Principal Manufacture**

- 9) Income Tax, **PAN** No., STCC 1 Excise Registration Certificate Attached (Latest)  
(Reply Yes or No)
- 10) Enclose list containing Name, Address, Fax, Telephone No. E-mail of your authorized dealer 1 agents in Maharashtra who will supply the laboratory consumables (Chemicals, Glasswares & Filter Paper etc.) at Mumbai, Navi Mumbai, Thane, Nashik, Pune, A 'bad, Nagpur, Chiplun and Chandrapur.
- 11) Documents to be submitted 1 enclosed
- i) Sealed Document containing prequalification criteria of bidder for the supply of laboratory consumables duly signed, (Annexure 'A')
  - ii) Acceptance of General Terms & conditions duly signed
  - iii) Sealed Price bid: (Annexure 'B')
    - a) Chemicals - Annexure-I
    - b) Glass Wares - Annexure-II
    - c) Filter Paper - Annexure -III (Duly signed)
- 12) Enclose Xerox copy of the receipt (DR) of Tender Document fee of Rs. 2000/-if paid in advance.

**Place:**

**Date :**

**(Name& Seal & Signature of Bidder)**

# MAHARASHTRA POLLUTION CONTROL BOARD

Central Laboratory, Navi Mumbai

## Annexure-I

| Sr. No. | Name of the Chemical.          | Packing   | Price (in Rs.)<br>(After deducting discount if any) |
|---------|--------------------------------|-----------|-----------------------------------------------------|
| 1       | Ammonium Ferrous Sulphate      | 500 gm    |                                                     |
| 2       | 1 Naphtholbenzein Indicator    | 5gm.      |                                                     |
| 3       | 1-10 Phenanthroline            | 5gm       |                                                     |
| 4       | 1-5- Diphenyl Carbazide        | 25gm.     |                                                     |
| 5       | 4-Amino - 2 - Antipyrine       | 25gm.     |                                                     |
| 6       | Acetic Acid Glacial            | 500ml     |                                                     |
| 7       | Acetone                        | 500ml     |                                                     |
| 8       | Aluminium Ammonium Sulphate    | 500gm     |                                                     |
| 9       | Ammonium Acetate               | 500 gm    |                                                     |
| 10      | Ammonium Chloride              | 500 gm    |                                                     |
| 11      | Ammonium Molybdate             | 100 gm    |                                                     |
| 12      | Ammonium Solution              | 500ml     |                                                     |
| 13      | Ammonium Sulphate              | 500gm     |                                                     |
| 14      | Aquanil - 5 (Karl fisher)      | 500ml     |                                                     |
| 15      | Ascorbic Acid (Vitamin C)      | 100 gm.   |                                                     |
| 16      | Barium Chloride                | 500 gm    |                                                     |
| 17      | Barium Hydroxide Octahydrate   | 500 gm    |                                                     |
| 18      | Benzene                        | 500ml.    |                                                     |
| 19      | Bispyrazolone                  | 5gm       |                                                     |
| 20      | Boric Acid Powder              | 500 gm    |                                                     |
| 21      | Bromine Water                  | 100m l    |                                                     |
| 22      | Bromocresol Green              | 125ml     |                                                     |
| 23      | Bromothymol Blue               | 125 ml    |                                                     |
| 24      | Buffer Tablet 4.0              | 10 Tablet |                                                     |
| 25      | Buffer Tablet 7.0              | 10 Tablet |                                                     |
| 26      | Buffer Tablet PH 9.2           | 10 Tablet |                                                     |
| 27      | Butanol                        | 500ml.    |                                                     |
| 28      | Calcium Carbonate Precipitated | 500 gm    |                                                     |
| 29      | Calcium Chloride               | 500 gm    |                                                     |

| <b>Sr. No.</b> | <b>Name of the Chemical</b>          | <b>Packing</b> | <b>Price (in Rs.)<br/>After deducting discount if any)</b> |
|----------------|--------------------------------------|----------------|------------------------------------------------------------|
| 30             | Carbon Tetra-Chloride                | 500ml          |                                                            |
| 31             | Carbon-di-sulphide                   | 500ml          |                                                            |
| 32             | Carmine                              | 5gm            |                                                            |
| 33             | Charcoal Activated Powder            | 500 gm         |                                                            |
| 34             | Chloroform                           | 2.5 Lit        |                                                            |
| 35             | Citric Acid                          | 500 gm         |                                                            |
| 36             | Copper Sulphate                      | 500gm          |                                                            |
| 37             | D-Glucose EP                         | 500 gm         |                                                            |
| 38             | Di Sodium Hydrogen Orthophosphate    | 500gm          |                                                            |
| 39             | Diethyl Ether                        | 500ml          |                                                            |
| 40             | Di-Potassium Hydrogen Orthophosphate | 500gm          |                                                            |
| 41             | EDT A (Di-sodium Salt)               | 100 gm         |                                                            |
| 42             | Ethyl Acetate                        | 500ml          |                                                            |
| 43             | Ethyl Alcohol                        | 500ml          |                                                            |
| 44             | Ferric Chloride                      | 500 gm         |                                                            |
| 45             | Formaldehyde soln.                   | 500ml          |                                                            |
| 46             | Glycerol                             | 500ml          |                                                            |
| 47             | Hexane                               | 2.5 Lit.       |                                                            |
| 48             | Hydrochloric Acid                    | 500ml          |                                                            |
| 49             | Hydrogen Peroxide                    | 500ml.         |                                                            |
| 50             | Hydroxylamine Hydrochloride          | 100 mg         |                                                            |
| 51             | Iso - Octane                         | 500 ml         |                                                            |
| 52             | Iso Propyl Alcohol                   | 2.5 Lit.       |                                                            |
| 53             | Magnesium Chloride                   | 500 gm         |                                                            |
| 54             | Magnesium Sulphate                   | 500 gm         |                                                            |
| 55             | Manganese Chloride                   | 500 gm         |                                                            |
| 56             | Mercuric Chloride                    | 250 gm         |                                                            |
| 57             | Mercuric Iodide (Red)                | 100 gm         |                                                            |
| 58             | Mercuric Sulphate                    | 250gm          |                                                            |
| 59             | Methanol                             | 2.5 ltr.       |                                                            |

| <b>Sr. No.</b> | <b>Name of the Chemical</b>                        | <b>Packing</b> | <b>Price (in Rs.)</b><br>(After deducting discount if any) |
|----------------|----------------------------------------------------|----------------|------------------------------------------------------------|
| 60             | Methanol S.P. Dried                                | 500 ml.        |                                                            |
| 61             | Methylene Chloride                                 | 2.5ltr.        |                                                            |
| 62             | Methyl Orange                                      | 125ml          |                                                            |
| 63             | Methyl Red                                         | 125 gm         |                                                            |
| 64             | N-Butanol                                          | 500ml.         |                                                            |
| 65             | NEDA (N-Napthyl Ethylenediamine Di Hydro chloride) | 25gm           |                                                            |
| 66             | Nitric Acid                                        | 500ml          |                                                            |
| 67             | NN-Dimethyl P-Phenylene Diammine Oxalate           | 5gm.           |                                                            |
| 68             | NN-Dimethyl P-Phenylene Diammine Dihydrochloride   | 25gm.          |                                                            |
| 69             | Ortho Phosphoric Acid                              | 500ml          |                                                            |
| 70             | pH Paper 1 to 14                                   | Rolls          |                                                            |
| 71             | Phenol                                             | 500ml          |                                                            |
| 72             | Phenolphthalein Solution                           | 125 ml.        |                                                            |
| 73             | Potassium Bromide                                  | 500 gm.        |                                                            |
| 74             | Potassium Chloride                                 | 500 gm         |                                                            |
| 75             | Potassium Chromate                                 | 500 gm         |                                                            |
| 76             | Potassium dichromate                               | 500 gm         |                                                            |
| 77             | Potassium Di-Hydrogen Ortho Phosphate              | 500 gm         |                                                            |
| 78             | Potassium Ferry Cyanide                            | 500 gm         |                                                            |
| 79             | Potassium Hydrogen Phthalate                       | 500 gm.        |                                                            |
| 80             | Potassium Hydroxide                                | 500 gm         |                                                            |
| 81             | Potassium Iodide                                   | 250 gm         |                                                            |
| 82             | Pararosaniline Hydrochloride (Fluka Make)          | 25gm.          |                                                            |
| 83             | Potassium SULphate                                 | 500 gm         |                                                            |
| 84             | Pyridine                                           | 500ml          |                                                            |
| 85             | Potassium Iodate                                   | 250 gm         |                                                            |
| 86             | Murexide Indicator                                 | 25 gm.         |                                                            |
| 87             | Silver Di-ethyl Di- Thio Carbamate                 | 100 gm         |                                                            |
| 88             | Silver Nitrate                                     | 25gm.          |                                                            |
| 89             | Silver Sulphate                                    | 25gm.          |                                                            |

| <b>Sr. No.</b> | <b>Name of the Chemical</b>                  | <b>Packing</b> | <b>Price (in Rs.)</b><br>(After deducting discount if any) |
|----------------|----------------------------------------------|----------------|------------------------------------------------------------|
| 90             | Sodium Acetate                               | 500 gm         |                                                            |
| 91             | Sodium Azide                                 | 100 gm         |                                                            |
| 92             | Sodium Carbonate Anhydrous                   | 500 gm         |                                                            |
| 93             | Sodium Chloride                              | 500gm          |                                                            |
| 94             | Sodium Fluoride                              | 500gm.         |                                                            |
| 95             | Sodium Hydrogen Carbonate                    | 500 gm.        |                                                            |
| 96             | Sodium Hydroxide                             | 500 gm         |                                                            |
| 97             | Sodium Meta Silicate                         | 500 gm.        |                                                            |
| 98             | Sodium Nitrite                               | 500gm          |                                                            |
| 99             | Sodium Sulphate                              | 500 gm         |                                                            |
| 100            | Sodium Sulphide                              | 500gm          |                                                            |
| 101            | Sodium Sulphite                              | 500gm          |                                                            |
| 102            | Sodium Thio-Sulphate                         | 500 gm         |                                                            |
| 103            | SPANOS                                       | 5gm            |                                                            |
| 104            | Stannous Chloride                            | 100 gm.        |                                                            |
| 105            | Starch Soluble                               | 500 gm         |                                                            |
| 106            | Sulphamic Acid                               | 500gm          |                                                            |
| 107            | Sulphanilamide                               | 100gm          |                                                            |
| 108            | Sulphuric Acid                               | 2.5 Lit.       |                                                            |
| 109            | Xylene                                       | 500ml          |                                                            |
| 110            | Zinc Powder (Dust)                           | 500 gm         |                                                            |
| 111            | L Glutamic Acid                              | 500gm.         |                                                            |
| 112            | 1 - Amino - 2 - Naphtha - 4 - Sulphonic Acid | 25gm           |                                                            |
| 113            | Oi-octyl - Sodium Sulfusuccinate             | 500gm.         |                                                            |
| 114            | AerosolOT                                    | 25gm           |                                                            |
| 115            | Acacia gum                                   | 500gm          |                                                            |
| 116            | Barbituric Acid                              | 500gm          |                                                            |
| 117            | Chloroamine - T                              | 100gm          |                                                            |
| 118            | Calcium Hypo chloride                        | 500ml          |                                                            |
| 119            | Ferrous Sulphate                             | 500gm          |                                                            |
| 120            | Ferric Sulphate                              | 500gm          |                                                            |
| 121            | N-Hexane HPLC Grade                          | 1. Lit         |                                                            |

| <b>Sr. No.</b> | <b>Name of the Chemical</b>                       | <b>Packing</b> | <b>Price (in Rs.)</b><br>(After deducting discount if any) |
|----------------|---------------------------------------------------|----------------|------------------------------------------------------------|
| 122            | Benzene HPLC Grade                                | 500ml.         |                                                            |
| 123            | Methanol HPLC Grade                               | 1 Lit.         |                                                            |
| 124            | Acetonitrile HPLC Grade                           | 2.5 Lit        |                                                            |
| 125            | Toluene HPLC Grade                                | 1 Lit.         |                                                            |
| 126            | ISO Propanol Grade                                | 2.5 Lit.       |                                                            |
| 127            | Water HPLC Grade                                  | 1 Lit.         |                                                            |
| 128            | Hydroxylamine Hydrochloride                       | 100gm          |                                                            |
| 129            | Iodine                                            | 100gm          |                                                            |
| 130            | Methylene Blue                                    | 25gm           |                                                            |
| 131            | Cadmium Sulphate                                  | 250 gm         |                                                            |
| 132            | 3 - Methyl - 1 - Phenyl - 2 - Pyrazolin - 5 - One | 100gm          |                                                            |
| 133            | Cyclohexane                                       | 2.5 Lit        |                                                            |
| 134            | Oxalic Acid                                       | 500gm          |                                                            |
| 135            | Perchloric Acid                                   | 500ml          |                                                            |
| 136            | Phenol Di-Sulphonic Acid                          | 500ml          |                                                            |
| 137            | Potassium Per Sulphate                            | 500 gm         |                                                            |
| 138            | Potassium Per manganate                           | 500 gm         |                                                            |
| 139            | Potassium Nitrate                                 | 500gm          |                                                            |
| 140            | Sodium Arsenite                                   | 500 gm         |                                                            |
| 141            | Eriochromate Black T                              | 100 gm         |                                                            |
| 142            | Sodium Borohydride                                | 500 gm         |                                                            |
| 143            | Silica Gel (60-120 mesh)                          | 500 gm         |                                                            |
| 144            | Sodium Persulphate                                | 500 gm         |                                                            |
| 145            | Sodium Meta bisulphite                            | 500 gm         |                                                            |
| 146            | Thomaklin                                         | 500 ml         |                                                            |
| 147            | Toluene                                           | 500 ml         |                                                            |
| 148            | Sodium Nitrate                                    | 500 gm         |                                                            |

|                                                    | <b>Name of the Chemical</b>      | <b>Packing</b> | <b>Price (in Rs.)</b><br>(After deducting discount if any) |
|----------------------------------------------------|----------------------------------|----------------|------------------------------------------------------------|
| <b>Chemicals Required for Microbiology Section</b> |                                  |                |                                                            |
| 309                                                | MacConkey Broth(Double strength) | 500gm.         |                                                            |
| 310                                                | MacConkey Broth(Single strength) | 500 gm.        |                                                            |
| 311                                                | Brilliant Green Lactose Broth    | 500 gm.        |                                                            |

**Note: -** Kindly mention the percentage of discount available if any on catalog prize and also enclose copy of catalog

**Place:**

**Date :**

**(Name& Seal & Signature of Bidder)**

**MAHARASHTRA POLLUTION CONTROL BOARD**

Central Laboratory, Navi Mumbai

**Annexure - II**

| <b>Sr. No.</b> | <b>Name of the Glasswares</b>                                                              | <b>Capacity</b> | <b>Price (in Rs.)</b><br>(After deducting discount if any) |
|----------------|--------------------------------------------------------------------------------------------|-----------------|------------------------------------------------------------|
| 1              | B.O.D.. Bottle with Stopper                                                                | 300ml           |                                                            |
| 2              | B.O.D. Bottle with Stopper                                                                 | 125ml           |                                                            |
| 3              | Beakers (Graduated) tall Form with spout                                                   | 100ml           |                                                            |
| 4              | Beakers (Graduated)                                                                        | 150ml           |                                                            |
| 5              | Beakers (Graduated)                                                                        | 500ml           |                                                            |
| 6              | Beakers (Graduated)                                                                        | 1000 ml         |                                                            |
| 7              | Beakers (Graduated)                                                                        | 2000 ml         |                                                            |
| 8              | Beakers (Graduated)                                                                        | 3000 ml         |                                                            |
| 9              | Beakers (Graduated)                                                                        | 250 ml          |                                                            |
| 10             | Beakers (Graduated)                                                                        | 50 ml           |                                                            |
| 11             | Bottles Relative Density with capillary bore PTFE stopper Capacity                         | 10 ml.          |                                                            |
| 12             | Bottles Relative Density with capillary bore PTFE stopper Capacity                         | 25 ml           |                                                            |
| 13             | Burette Fitted with Boroflow GP Screw Thread Stopcock with PTFE Keys (Graduated) "A" Class | 25 ml           |                                                            |
| 14             | Burette Fitted with Boroflow GP Screw Thread Stopcock with PTFE Keys (Graduated) "A" Class | 50 ml           |                                                            |
| 15             | Burette Straight bore stopcock with PTFE Key (Graduated) "A" Class                         | 25 ml.          |                                                            |
| 16             | Burette Straight bore stopcock with PTFE Key (Graduated) "A" Class                         | 50 ml           |                                                            |
| 17             | Conical Flask                                                                              | 250 ml          |                                                            |
| 18             | Conical Flask                                                                              | 500 ml          |                                                            |
| 19             | Conical Flask                                                                              | 150 ml          |                                                            |
| 20             | Conical flask with stopper                                                                 | 500 ml          |                                                            |
| 21             | Conical Flask                                                                              | 50 ml           |                                                            |
| 22             | Conical Flask                                                                              | 25 ml           |                                                            |
| 23             | Measuring Cylinder graduated                                                               | 25 ml           |                                                            |
| 24             | Measuring Cylinder graduated                                                               | 50 ml           |                                                            |
| 25             | Measuring Cylinder graduated                                                               | 500 ml          |                                                            |

| <b>Sr. No.</b> | <b>Name of the Glasswares</b>                            | <b>Capacity</b> | <b>Price (in Rs.)</b><br>(After deducting discount if any) |
|----------------|----------------------------------------------------------|-----------------|------------------------------------------------------------|
| 26             | Measuring Cylinder graduated                             | 1000 ml         |                                                            |
| 27             | Measuring Cylinder Graduated with pour out               | 10ml            |                                                            |
| 28             | Measuring Cylinder graduated with stopper                | 100ml           |                                                            |
| 29             | Measuring Cylinder graduated with stopper                | 50ml            |                                                            |
| 30             | Measuring Cylinder graduated                             | 100ml           |                                                            |
| 31             | Measuring Cylinder Nessler                               | 50ml            |                                                            |
| 32             | Measuring Cylinder Nessler                               | 100ml           |                                                            |
| 33             | Desiccator 160 x 285 x 95 mm.                            | -               |                                                            |
| 34             | Distillation Apparatus with Durham Condenser for Ammonia | 500 ml          |                                                            |
| 35             | Evaporating Glass Dishes 80 x 45 mm                      | -               |                                                            |
| 36             | Filter funnel                                            | 50mm            |                                                            |
| 37             | Filter Funnel                                            | 75mm            |                                                            |
| 38             | Filter Funnel                                            | 100mm           |                                                            |
| 39             | Filter Funnel size long stem                             | 65mm            |                                                            |
| 40             | Flask Flat Bottom                                        | 2000 ml         |                                                            |
| 41             | Flask Volumetric Amber                                   | 100ml           |                                                            |
| 42             | Flask Volumetric Amber                                   | 50ml            |                                                            |
| 43             | Flask Volumetric Amber                                   | 5ml             |                                                            |
| 44             | Flask Volumetric Amber                                   | 10 ml           |                                                            |
| 45             | Distillation Apparatus Deamed Stack Moisture test        | 10ml            |                                                            |
| 46             | Graduated Pipette                                        | 1 ml            |                                                            |
| 47             | Graduated Pipette                                        | 2 ml            |                                                            |
| 48             | Graduated Pipette                                        | 5 ml            |                                                            |
| 49             | Graduated Pipette                                        | 10ml            |                                                            |
| 50             | Graduated Pipette                                        | 25ml            |                                                            |
| 51             | Gravity Bottle                                           | 50ml            |                                                            |
| 52             | Impinger                                                 | 35ml            |                                                            |

| <b>Sr. No.</b> | <b>Name of the Glasswares</b>    | <b>Capacity</b> | <b>Price (in Rs.)<br/>(After deducting discount if any)</b> |
|----------------|----------------------------------|-----------------|-------------------------------------------------------------|
| 53             | Iodine Flask                     | 500ml           |                                                             |
| 54             | Iodine Flask                     | 1000 ml         |                                                             |
| 55             | Kjeldhal Flask                   | 500ml           |                                                             |
| 56             | Petri Dish Culture               | 100 x 17mm      |                                                             |
| 57             | Rounded Bottom Flask             | 250ml           |                                                             |
| 58             | Rounded Bottom Flask Three neck  | 500ml           |                                                             |
| 59             | Round Bottom Flask 2 neck        | 500ml.          |                                                             |
| 60             | Round Bottom Flask               | 500ml.          |                                                             |
| 61             | Separating funnel Globe shape    | 125ml           |                                                             |
| 62             | Separating funnel Globe shape    | 250ml           |                                                             |
| 63             | Separating funnel Globe shape    | 500ml           |                                                             |
| 64             | Separating funnel Globe shape    | 1000 ml         |                                                             |
| 65             | Separating funnel pear shape     | 250ml           |                                                             |
| 66             | Separating funnel pear shape     | 500ml           |                                                             |
| 67             | Test Tube 12 x 100 mm            | -               |                                                             |
| 68             | Test Tube 18 x 150 mm            | -               |                                                             |
| 69             | Test Tube with graduated Stopper | 30ml            |                                                             |
| 70             | Test tube with Graduated Stopper | 50ml            |                                                             |
| 71             | Test tube with stopper           | 10ml            |                                                             |
| 72             | Volumetric Flask                 | 5ml             |                                                             |
| 73             | Volumetric Flask                 | 10ml            |                                                             |
| 74             | Volumetric Flask                 | 25 ml           |                                                             |
| 75             | Volumetric Flask                 | 50 ml           |                                                             |
| 76             | Volumetric Flask                 | 100 ml          |                                                             |
| 77             | Volumetric Flask                 | 250 ml          |                                                             |
| 78             | Volumetric Flask                 | 500 ml          |                                                             |
| 79             | Volumetric Flask                 | 1000 ml         |                                                             |
| 80             | Volumetric Pipette               | 2ml             |                                                             |
| 81             | Volumetric Pipette               | 5ml             |                                                             |
| 82             | Volumetric Pipette               | 10ml            |                                                             |
| 83             | Volumetric Pipette               | 25ml            |                                                             |
| 84             | Volumetric Pipette               | 50ml            |                                                             |

| Sr. No.                                              | Name of the Glasswares                                                           | Capacity | Price (in Rs.)<br>(After deducting discount if any) |
|------------------------------------------------------|----------------------------------------------------------------------------------|----------|-----------------------------------------------------|
| <b>Glasswares Required for Microbiology Section.</b> |                                                                                  |          |                                                     |
| 85                                                   | Autoclavable Screw cap test tubes Round bottom                                   | 30ml     |                                                     |
| 86                                                   | Autoclavable Screw cap test tubes Round bottom                                   | 10ml     |                                                     |
| 87                                                   | Reagent Bottle Plain narrow mouth with interchangeable flat head stopper         | 125 ml   |                                                     |
| 88                                                   | Reagent Bottle Plain narrow mouth with interchangeable flat head stopper         | 250ml    |                                                     |
| 89                                                   | Reagent Bottle Plain narrow mouth with interchangeable flat head stopper         | 500ml    |                                                     |
| 90                                                   | Reagent Bottle Plain narrow mouth with interchangeable flat head stopper         | 1000 ml  |                                                     |
| 91                                                   | Reagent Bottle Amber Colour, Narrow mouth with interchangeable Flat head Stopper | 125 ml   |                                                     |
| 92                                                   | Reagent Bottle Amber Colour, Narrow mouth with interchangeable Flat head Stopper | 250ml    |                                                     |
| 93                                                   | Reagent Bottle Amber Colour, Narrow mouth with interchangeable Flat head Stopper | 500 ml   |                                                     |
| 94                                                   | Reagent Bottle Amber Colour, Narrow mouth with interchangeable Flat head Stopper | 1000ml   |                                                     |

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**MAHARASHTRA POLLUTION CONTROL BOARD**  
**Annexure -III**

(Please refer Technical specification at Schedule – II)

| <b>Name of the Item</b>                                                                                                                       | <b>Packing</b>                | <b>Unit Price (in Rs.)<br/>(After deducting discount if any)</b> |
|-----------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|------------------------------------------------------------------|
| a) Filter paper Qualitative Grade No. 42, 2.5 Micrometer, Ash less Circles 25 mm. Diameter,                                                   | Box of 100 Papers             |                                                                  |
| b) Glass Micro Fiber Filter GF/A Circular, 1.6 Micrometer.. 47mm. Diameter,                                                                   | Box of 100 Papers             |                                                                  |
| c) Qualitative (Equivalent to Whatman Grade - I) Filter paper, Qualitative 460 x 570 mm. Sheet                                                | Box of 100 Rectangular Sheets |                                                                  |
| d) Glass Micro Fiber Extraction Thimbles. (Equivalent to Whatman Grade - I) High Purity, Internal Diameter x External Length. 19 mm. x 90 mm. | Box of 25 Thimbles            |                                                                  |
| e) Cellulose Extraction Thimbles, Internal diameter ExternalLength. 19 mm. x 90 mm. External Diameter 21 mm x 90 mm. External Length          | Box of 25 nos. Thimbles       |                                                                  |
| f) Glass Micro-fiber filters - She20x 254 mm.                                                                                                 | Box of 100 Sheets.            |                                                                  |
| g) EPM 2000 or Equivalent size 203 x 254 mm                                                                                                   | Box of 100 Sheets             |                                                                  |
| h) PTFE membrane filters 46.2 mm for PM 2.5 air monitoring                                                                                    | Box of 100 Sheets             |                                                                  |

**Note:-** Kindly mention the percentage of discount available if any on catalog price and also enclose copy of catalog

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**Date :**