

INVITATION OF BID

Tender Notice No.:
Laboratory Instrument - II/2007

Dated: 19th April 2007

Name of the work:
**Purchase of Laboratory
Instrument - II/2007**



MAHARASHTRA POLLUTION CONTROL BOARD

Kalpataru Point, 3RD & 4TH Floor,
Sion Matunga Scheme Road No.8
Opp. Sion Circle, Sion (East),
Mumbai-400 022

19th April 2007

Price: 5,000/-

MAHARASHTRA POLLUTION CONTROL BOARD

INDEX

Name of the Work: - Purchase of Laboratory Instrument

Sr. No.	Contents	Page
1.	Schedule of Tender	3
2.	Copy of Advertisement	4
3.	General Terms and conditions	5-8
4.	Submission of Tender	8-14
5.	Payment Condition	15
6.	Force Majeure	15
7.	Warranty	15-16
8.	Jurisdiction	16
9.	Description of the Item (Schedule "A")	17
10.	Specification of the Item (Schedule "B")	18
-	WPC 2 /AOX- Adsorbable Organic Halides Analyser	18
11.	Tender Application Form (Annexure - I)	19
12.	Bid Form (Annexure - II)	20
13.	Undertaking (Annexure - III)	21
14.	Delivery Receipt (Annexure - IV)	22
15.	Final Acceptance Certificate (Annexure - V)	23
16.	Manufacturers Authorization (Annexure - VI)	24

MAHARASHTRA POLLUTION CONTROL BOARD

Kalpataru Point, 3RD & 4TH Floor,
Sion Matunga Scheme Road No.8,
Opp. Sion Circle, Sion (East), Mumbai-400 022

INVITATION OF BID

TENDER NOTICE NO.

LABORATORY INSTRUMENT - II/2007

Dated: 19/04/2007

1. The Maharashtra Pollution Control Board invites sealed tenders from the manufacturers for supplying of Laboratory instruments as described in Schedule "A" and specification given in Schedule "B".
2. The Bidder should have executed similar work during the last 5 years.
3. Interested eligible bidders may collect further information and collect the tender documents from Central Laboratory. M.P.C. Board, Nirmal Bhavan, Plot no. 3, Sheel Mahape Road, TTC MIDC, Mahape, Navi Mumbai-400 710.
4. The complete set of bidding documents may be purchased or downloaded from MPCB's Web site at "[http://: mpcb.mah.nic.in](http://mpcb.mah.nic.in)" by eligible bidders for non refundable price of Rs.5000/-. Payment shall be made in the form of Demand Draft in favour of **Maharashtra pollution control Board** payable at Mumbai, or by cash. All the bids must be accompanied by Tenders EMD and delivered on or before 05/05/2007 up to 1700 hrs.
5. Bids will be opened in the presence of those tenders representative who choose to attend at 1400 hrs. on 07/05/2007 at MAHARASHTRA POLLUTION CONTROL BOARD, NIRMAL BHAVAN, PLOT No. 3, SHEEL MAHAPE ROAD, MIDC TTC, MAHAPE, NAVI MUMBAI - 400 710.

Sd/-

Member Secretary
Maharashtra Pollution Control Board

MAHARASHTRA POLLUTION CONTROL BOARD

Kalpataru Point, 3RD & 4TH Floor,
Sion Matunga Scheme Road No.8
Opp. Sion Circle, Sion (East), Mumbai-400 022

Invitation of Bid

NAME OF THE WORK:

PURCHASE OF LABORATORY INSTRUMENT

Tender Notice No.:-

Laboratory Instrument - II / 2007

Schedule of Tender

- | | |
|---|---|
| 1. Price of Tender Document | Rs. 5000/- |
| By hand or From Website | |
| 2. Date of sale of tenders | 19/04/07 on all working days between
1000 Hrs. To 1700 Hrs. |
| 3. Last date of purchase of Tender | 05/05/07 till 1700 Hrs. |
| 4. Date of Submission of tender | 05/05/07 up to 1700 Hrs. |
| 5. Date of opening of tenders | 07/05/07 at 1500 hrs. |
| 6. Earnest Money Deposit | 1 % of the Quoted value |
| 7. Security Deposit | 10 % of the Tender cost |

(Dr. D. B. Boralkar)
Member Secretary

MAHARASHTRA POLLUTION CONTROL BOARD



TENDER NOTICE (GLOBAL)

(Re-Tender)

Laboratory Instrument - II / 2007

Member Secretary, Maharashtra Pollution Control Board invites global tender in a sealed cover from manufacturer / supplier of various laboratory instrument as listed below:

Sr. No.	Name of Instruments	Number	Qty.
1.	Adsorbable Organic Halides Analyser (AOX)	WPC 2 / AOX	3 nos.

Tender Document shall be available with the detailed terms & conditions from 19th April 2007 to 05th May 2007 between 11.00 to 16.00 hrs. The last date of submission of the tender will be 05th May 2007 up to 15.00 hrs. Those who are interested may collect the tender document from the Incharge of Central Laboratory, Maharashtra Pollution Control Board, Nirmal Bhavan, Plot No. 3, MIDC TTC, Sheel Mahape Road, Mahape, Navi Mumbai - 400 710 on payment of Rs. 5,000/- per set by Demand Draft in favour of Maharashtra Pollution control Board payable at Mumbai or download from the Web site "http://: mpcb.mah.nic.in" of the Board. If the tender document is downloaded for the purpose of submitting the tender, in this case, tender document fee of Rs. 5,000/- per set is to be attached with the tender in the form of Demand Draft in favour of Maharashtra Pollution Control Board.

(Dr. D.B. Boralkar)
Member Secretary

1.0 GENERAL TERMS & CONDITIONS:

1.01 These documents contain the following

- i) Copy of the Local Competitive Bidding Notice
- ii) General Terms & Conditions of Bid
- iii) Terms & Conditions of submission of Bid
- iv) Payment terms
- v) Application Form
- vi) Bid Form
- vii) Undertaking
- viii) Schedule "A" for description of the items
- ix) Schedule "B" for specifications

1.02 **The Tender Document is not transferable by the purchaser.**

Each sheet of the bid be signed by the bidder. The price Bid must be in the form provided herewith at Annexure-II and be submitted along with the undertaking at Annexure - III.

The Documentary evidence of the goods conformity to the bidding documents may be in the form of literature, drawings and data and shall furnish.

- a) A detailed description of the goods should include essential technical and performance characteristics.
- b) A list, giving full particulars, including available sources and current prices, of all spare part, special tools etc. be given.
- c) A Clause-by- clause commentary on the specifications, demonstrating the goods responsiveness to those specifications or a statement of deviations and exceptions of the provisions and specifications.

1.03 The Bid will not be accepted from the firm to whom the documents are not issued by the Board.

- 1.04 The Board undertakes no responsibility for delay or non receipt of tender document sent by post either way and also reserves the right to accept or reject any or all the tenders in part or full without assigning any reason thereof..
- 1.05 No bid document will be sold after the last date of sale of bid document or between the extended period of opening day, if any.
- 1.06 The bidder is expected to examine all instructions, forms, terms and conditions and specifications mentioned in the tender document. Failure to furnish all information required by the bidding document of submission of bid on substantially responsive to the bidding document in every respect will be at the bidder's risk and may result in the rejection of tender. The bidder should have executed similar work during the last 5 years.
- 1.07 This call of bids does not bind the MPCB to place order. The bids submitted in response to this invitation may be rejected without assigning any reason.
- 1.08 The Board at its discretion may extend the last date of submission of bids and opening of bids. **The first authority for acceptance of a bid will (rest) with the Member Secretary, Maharashtra Pollution Control Board** who does not bind himself to accept the lowest bid and is vested with authority to reject any or all of the bids received without assigning any reason.
- 1.09 Documents, samples etc. enclosed in the bid shall become the property of the Maharashtra Pollution Control Board without any payment.
- 1.10 The warranty period is 12 months starting from the date of successful commissioning / working of the equipments.
- 1.11 The Technology of the instruments shall be current and shall continue to be operational for sufficient period to be mentioned in the offer. During this period, supplier shall give firm guarantee to supply spares on continuing basis. The bidder shall furnish an

undertaking for uninterrupted any timely supply of spares on continuing basis. If spares are not supplied/made available and are required to be procured from market the difference in prices, if any on account of such risk purchase and loss of revenue to the Board on account of non-operation of the instrument due to delay in procuring spares shall have to be borne by the supplier. In case demand of compensation and/or extra cost to the Board is not made good within a period of one month, it will be recovered as given in clause 2.28 of the bid document.

- 1.12 The items have to be supplied in standard packing.
- 1.13 In case of the date of opening of bid is declared as Public Holiday, the bid shall be opened on the next working day at the same time.
- 1.14 The bid shall contain no interlineations, erasures or overwriting of words except as necessary to correct errors made by the bidders, in which case such correction shall be initiated by the person or persons signing the bid.
- 1.15 Late and delayed bids shall not be considered and may be returned unopened to the bidder.
- 1.16 The bids may be dropped in the bid Box kept in MPC Board, Nirmal Bhavan, Plot no. 3, Sheel Mahape Road, MIDC TTC, Mahape, Navi Mumbai - 400 710. However the bidders may send the bids by registered A. D. at his risk as the bids not received within the day and time fixed shall not be considered. **In no case bid should be handed over to any employee of the Board.**
- 1.17 Canvassing in any form will disqualify the bidder.
- 1.18 Request for bid Document for bidder through Telex, Telephone, Money Order and Tele fax shall not be entertained.
- 1.19 The Bid Notice LABORATORY INSTRUMENT - II/2007 must be invariably quoted in bid and further correspondence in this regard.

2.0 All the bids should be addressed to:

**THE MEMBER SECRETARY,
MAHARASHTRA POLLUTION CONTROL BOARD,**

KALPATARU POINT, 3RD & 4TH FLOOR,
SION MATUNGA SCHEME ROAD NO. 8,
OPP. SION CIRCLE. SION (EAST),
MUMBAI – 400022.

and be delivered at **Central Laboratory**, M.P.C. Board, Nirmal Bhavan, Plot no. 3, TTC MIDC, Sheel-Mahape Road, Mahape, Navi Mumbai- 400 710.

2.0 SUBMISSION OF BID

- 2.01 The bid prepared by the bidder and all correspondence and documents relating to the tender exchanged by the bidder and the MPCB, shall be written in English language, bid may be written in another language so long as accompanied by English, translation of its pertinent passage in such case for purposes of interpretation of the bid the English translation shall govern.
- 2.02 The bid must accompany Annexure-I with Techno Commercial part of bid and Annexure – II along with price part of the bid duly filled in and signed by the bidder along with the seal of the firm.
- 2.03 The bidders are requested to quote the rates item-wise and total price of each item separately indicating the Government taxes, levies, transportation (including packing, forwarding, loading and unloading) and other expenditure item-wise as free delivery at the place shown in Schedule “A”.
- 2.04 THE SEPARATE BID FOR INSTRUMENT BE SUBMITTED AND THE ENVELOP BE SUPER SCRIBED ACCORDINGLY.
- 2.05 Bidder can quote the rate for all the items or some of the items. The Maharashtra Pollution Control Board reserves the right to accept the bid in full or in part.

2.06 The bid is to be submitted in Single stage - 2 envelopes system, i.e. the first sealed envelope will contain full information required to judge pre-qualification, earnest money, complete details and specification of the items offered including the leaflets and catalogues, list of credentials with documentary evidence, i.e. purchase/work order etc. Income tax Clearance Certificate, Sales Tax Registration No. affidavit for not being black listed, commercial term and conditions etc. It shall be marked "Pre-qualifications" technical and commercial Bid Tender No. Laboratory Instrument -II/2007.

The second envelope will contain only price quoted by the bidder in the form given Annexure - II of this document and shall be clearly marked "Price Bid No. Laboratory Instrument (II/2007). Both the above envelopes must separately be sealed and shall be kept in one envelope bearing the address of Maharashtra Pollution Control Board and super scribed with bold letter **BID FOR SUPPLY OF LABORATORY INSTRUMENT - II/2007. (NOT TO BE OPENED BEFORE DTD.07/05/2007)**

2.07 Technical part of the bid will be opened first on due date, i.e. **07/05/2007**. In the office of the Maharashtra Pollution Control Board, Nirmal Bhavan, Plot No.3, Sheel Mahape Road, Mahape, Navi Mumbai - 400 710, in presence of the representative of the bidders who chooses to be present. Sealed price part of technically and commercially acceptable bids will be opened on the same day if possible or on a later date which will be communicated by the Board on the same day or on a later day by post.

2.08 The Bidders shall deposit the amount **1 % of the value** of items quoted towards the "**Earnest Money**" along with bid in the form of Bank Draft only in favor of "**MAHARASHTRA POLLUTION CONTROL BOARD**" payable at **State Bank of India (Matunga Branch), Mumbai**". No Earnest Money shall be accepted in any other form. The Earnest Money shall be forfeited if a bidder withdraws its bid before validity specified in bid documents or fails to supply the instruments within specified period in bid document. Bid shall not be entertained where a Bidder has not

furnished adequate Earnest Money in the prescribed acceptable form. In case the instrument delivered is found defective and not attended to by the supplier, the earnest money deposited by the supplier will also be forfeited. If supplier fails to supply the equipment so ordered within the specified time EMD will be forfeited.

- 2.09 The firm who seek exemption from depositing earnest money being small scale industry registered with DGS&D and other Government agencies which entitles them for exemption must submit the valid Registration Certificate covering the items offered by them along with the permissible value. The copy of Government Notification granting exemption from deposit of EMD must be submitted along with the first part of the tender along with the bid.
- 2.10 The Earnest Money of the unsuccessful bidder will be refunded without any interest after the concerned purchase is finalized or within three months whichever is earlier and that of successful bidder will be refunded without any interest after one month of the successful installation and commissioning / confirming performances as per specifications of the items.
- 2.11 Successful bidder will have to pay Security Deposit of 10 % of the total cost of accepted bidder in the form of Bank Guarantee valid for twelve months. This Bank Guarantee can be invoked in case of delay in supply beyond the specified period in the order or not conforming performance as per specifications given in the bid.
- 2.12 The validity of bid would be for a minimum period of 120 days from the date of opening of bids. A bid valid for a shorter period may reject by the Board, as nonresponsive. In case of extension of validity period of the bid the Board may solicit the bidder's consent for extension of the period mutually agreed upon.
- 2.13 The rates should be quoted both in words and figures.
- 2.14 Arithmetical error will be rectified on the following basis.

If there is a discrepancy between the unit price and the total price that is obtained by multiplying the unit price, shall prevail and the total price shall be corrected. If there is discrepancy between words and figures, the amount in words will prevail.

- 2.15 Bids not in proper sealed cover or received telegraphically will not be entertained.
- 2.16 Conditional bids will be rejected without assigning any reason.
- 2.17 The bid shall be typed or written in indelible ink and shall be signed by the bidder or a person or persons with due authorization should bear the signatures of only the authorized person of the firm. All pages of the tender except for unlamented printed literature shall be initials by the person or persons signing the bid.
- 2.18 To assist in the examination, evaluation and comparison of bids the Board may, at its discretion, ask the bidder for a clarification of its bid. However, no change in the price or substance of the bid shall be sought, offered re-permitted.
- 2.19 The specifications are clearly mentioned in the documents and the bidders are requested to submit bid only if their offer strictly comply with there specifications. Please note that no deviation in the required specification will be permitted. The bidding for the instruments having different specifications will be at Bidder risk as the Board will not entertain such bids. **BIDS CARRYING THE STATEMENT LIKE “SPECIFICATION AS PER BID DOCUMENT MAY NOT BE ENTERTAINED”.**
- 2.20 The Placement of Purchase Order will be according to the Technical evaluations of the bid and after consideration of its price worthiness.
- 2.21 The price to be given in the bids are fixed prices, irrespective of rises in material prices and increase in taxes or any statutory

increase etc. till the receipt of the consignment to the Board. No request in regard to increase in the price of items or in taxes etc. or any statutory increase etc. will be entertained after the submission of the bid.

- 2.22 The nomenclature of the instruments and spares will be invariably same in Proforma invoice, Packing list and in other relevant papers.
- 2.23 With the submission of bid the bidder accepts the conditions of the bid.
- 2.24 If the item/s supplied is/are of the specification other than asked for and/or substandard quality to that mentioned in the supply order it will have to be replaced at their risk and cost. No freight and other charges for export/import and reshipment etc. will be borne by the Board.

The installation of the items is the entire responsibility of the supplier. It may be done either by the principal/supplier or their authorized agents within one week of the receipt of the items by the Board. The supplier or the agent should be in touch with the concerned authorities at the place of dispatch and in case of difficulties bidder may contact **LABORATORY INCHARGE, SENIOR SCIENTIFIC OFFICER, CENTRAL LABORATORY MAHARASHTRA POLLUTION CONTROL BOARD, NIRMAL BHAVAN, PLOT NO. 3, SHEEL MAHAPE ROAD, MIDC TTC, MAHAPE, NAVI MUMBAI - 400710. TELEPHONE: - 64504220, 67195000.**

- 2.25 The list of items, quantity and place of delivery is given in this document at Schedule "A" along with the detailed specification of the instruments at Schedule "B". The quantity mentioned in the bid documents may be reduced or increased at the discretion of the Maharashtra Pollution Control Board without assigning any reason. The Board may place order for only one piece for testing by the Committee of group of officers appointed by MPCB and place order for remaining quantity depending on report of the Committee. Bidder/list representative can remain present at the

time of inspection but the decision taken by the Committee in this regard will be final.

- 2.26 Each folio of the bid must be signed by the bidder
- 2.27 Bidder can quote the rates for all the items or some of the items. The bid shall be considered only for those items for which the rates have been specifically quoted. The Board further reserves the right to accept the bid for all the items or some of the items or some of the items for which the bidder has quoted the bid.
- 2.28 The items for which offers are made and accepted will have to be supplied within 6 weeks from the date of issue of supply order and opening of L.C. In case of non-observance of delivery period of supply not in accordance with the supply order the supplier has to pay default compensation at the rate of 0.5 % of the total value of order per concluded week and/or part of the week of the default, but not exceeding 5 % of the total value of order. In addition, for delay in supply by weeks as calculated @ 5% beyond the stipulated period of 6 weeks from the date of placement of supply order, the Board reserves the right to cancel the order and/or purchase the balance quantity (items not supplied) from open market at the cost and risk of the supplier to whom initial order was placed and the difference in prices, if any, on account of such purchase, shall have to be borne by the supplier. In case demand of compensation and/or extra cost to the Board is not made good within a period of one month by the bidder, it will be recovered from the pending bills, E.M.D. and/or arrears of land revenue.
- 2.29 "After sales services" is most important aspect to be considered for comparison of bid. The bidder having service centers all over Maharashtra will be given preference at the time of consideration of the bid. In case, the bidder is not an authorized agent of the company for which the bid has been made the bidder should arrange for the installation, warranty service, operational training, after sales service, etc. including free training to the staff

of the Board through the authorized agents. Three Staff member operational training at manufacturers site for five days. The cost of this training shall be included in the price quoted and no separate consideration is offered. The bidders are also advised to separately mention the cost of training to 2 MPCB personnel at their OEM facilities for minimum 3 days. This overseas training is optional at the sole discretion of MPCB. The Confirmation of the above may be provided with the technical bid failing which the bid will not be considered. The details of after sales service after warranty period shall be given as mentioned in Annexure-II.

2.30 At any time prior to the deadline for submission of the bids the Board may for any reason whether at it's own initiative or in response to a clarification requested by a prospective bidder, modify the bidder documents by amendment.

2.31 The amendment if any will be brought to the notice in writing or by telex or cable to all concerned bids that have received the bidding documents and will be binding on them.

2.32 In order to afford prospective bidder reasonable time in which to take the amendment into account in preparing their bids, the Board may at its discretion, extend the date for the submission of bids.

2.33 The price must be quoted item wise i.e. basic price, taxes, packing, forwarding, handling and transportation charges, insurance, installation charges, etc. the charges must be quoted clearly and not in vague terms like "As actual", "Approx", etc.

2.34 If according to the bidder, the tendered documents contain transport charges must be quoted according to the place of delivery as mentioned in the Schedule-A. The supplier will be held liable for any damage, theft or loss during transit. The instruments are to be delivered and installed at the location given in Schedule-A under intimation to the

**LABORATORY INCHARGE, SENIOR SCIENTIFIC OFFICER, CENTRAL
LABORATORY MAHARASHTRA POLLUTION CONTROL BOARD,**

**NIRMAL BHAVAN, PLOT NO. 3, SHEEL MAHAPE ROAD, MIDC TTC,
MAHAPE, NAVI MUMBAI - 400710. TELEPHONE:- 64504220,
67195000.**

2.35 MOST IMPORTANT:

Please note that annexure-I of this document must be enclosed with the first part of bid, i.e. "Technical and Commercial Bid and Annexure-II and V" will be kept in the second part of the bid i.e. Price Bid.

2.36 Please note that there is no need to enclose the entire bid document (supplied by the Board) with your bid only Annexure-I, II, III need to be enclosed as per instructions stipulated.

2.37 Manufacturers authorization in the form of Annexure - IV is must.

3.0 PAYMENT CONDITIONS:

- a) The payment will be made after 30 days on the receipt of report of competent authority about the satisfactory performance, testing of the instrument(s) the material in good condition and its satisfactory installation and performance, if the material is found defective or of sub-standard or not to the satisfaction of the competent authority, the same will be replaced by the bidder at his own cost.
- b) In case of import of instruments, a letter of credit will be opened in or Bank for 100 % of cost of the instrument. The 90 % payment will be released after receipt of consignment and remaining 10 % will be released after installation & satisfactory performance certification by the concerned intending officer.

4.0 FORCE MAJEURE: Vendor shall not be considered in default if delay in delivery occurs due to causes beyond his control such as acts of God, natural calamities, civil wars, strikes, fire, floods, riots, etc. In the event of delay due to such causes delivery schedule will be extended for a length of time equal to the period of force majeure or at the option of to

Board the order may be cancelled. Such cancellation would be without any liability whatsoever on the part of the Board.

5.0 WARRANTY: The materials supplied under this contract shall be of the best quality and workmanship and shall be strictly in accordance with the specifications and particulars mentioned in the clauses of the bid. The contractors will have to guarantee that the said material would continue to conform to the specification and perform satisfactorily for a period of 12 months from the date of installation/commissioning of the material and that notwithstanding the fact the Board may have inspected and/or approved the said material, discovered not to conform to the description and quality mentioned in the bid or have deteriorated (decision of the Chairman of the Board will be final and conclusive), the Board will be entitled to reject the said material or such portion of the material which may be discovered not to conform to the specifications and quality mentioned in the bid. On such rejection the material will be at the Contractor's / Supplier's risk and of the provisions herein contained relating to rejection of goods etc. shall apply. The Contractor's / Supplier's if so called upon to do so, replace the material etc. or such portion thereof as is rejected by the Chairman of the Board free of cost at the ultimate destination, otherwise the Contractor / Supplier shall pay to the Board such damage as may arise by reason of breach of the condition herein contained. Nothing herein contained shall prejudice any other right of the Board in that behalf under this contract or otherwise. On failure to make the loss good to the Board, within 15 days from the date of demand, it will be recovered as arrears of Land Revenue.

6.0 JURISDICTION: In case of any dispute, the Mumbai Court alone will have the jurisdiction to try the suit on contract.



SCHEDULE - A
MAHARASHTRA POLLUTION CONTROL BOARD

Kalpataru Point, 3RD & 4TH Floor,
Sion Matunga Scheme Road No.8
Opp. Sion Circle, Sion (East), Mumbai-400 022.

NAME OF WORK:
PURCHASE OF LABORATORY INSTRUMENTS

Sr. No.	Place of Supply & Accepting Authority	AOX
1.	Senior Scientific Officer, Central Laboratory	1
2.	Scientific Officer, Regional Lab., A' bad	1
3.	Scientific Officer, Regional Lab., Nagpur	1

List for Addresses for Delivery of Instruments

Sr. No.	Name of the Regional Laboratories	Address	Tel. & Fax Nos.
1.	Central laboratory	Nirmal Bhavan, Plot no. 3, Sheel Mahape Road, MIDC TTC, Mahape, Navi Mumbai - 400 710.	Tel. 64504220 Fax. 64504220
2.	Regional Laboratory, Aurangabad.	Paryavaran Bhavan, Plot no, A-4/1, Chilkalthana MIDC Area, Behind Dainik Lokpatra, Jalna Road, Aurangabad - 431 210	Tel: 0240-2473461 Fax: 0240-2473462
3.	Regional Laboratory, Nagpur	Udyog Bhavan, 6 th Floor, Near Sales Tax Office, Civil Lines, Nagpur - 440 001	Tel: 0712-2557231 Fax:- 0712-2560851

SCHEDULE -B
SPECIFICATION FOR
ADSORBABLE ORGANIC HALIDES / TOX ANALYSER
(WPC - 2 / AOX)

Analyser should be capable of measuring AOX quickly and accurately in a wide range of water and solid matrices.

Sample should be combusted at high temperature (max. 1250 degree). The furnace should have two individual control temps. zones. A compact and temp. controlled scrubbing unit to remove all interfering substances and to cool down the gases. A micro coulometer Chlorine titration cell including silver electrode, with 35ml capacity cell to measure up to 60 samples without any maintenance.

The Basic system should have horizontal / vertical high temperature furnace to eliminate residue formation. Automatic computer control boat driver with adjustable speed. The liquid sample introduction module for automatic injection for liquid and gases sample. AOX sample introduction module consists of quartz boat and boat guide including all necessary connectors. The sample preparation is to be by batch method having filtration unit with reusable quartz frits to separate water from activated carbon after the adsorption stage along with necessary syringes, needle, Vaseline etc. The option for EOX analysis should be there along with AOX/ TOX.

Measuring range AOX/ TOX - 5ppb to 1000 ppb.

Sample Injection volume -	5 to 250 ml for liquid 5 to 999 mg for solid 1 to 50 ml for gas
Gases	High purity oxygen (99.995%)
Gas pressure	1-3 bar
Voltage	230 volts, 60 MHz
Detector	Digital coulometer
Repeatability-	Better than 2%
Analysis time-	4 to 8 minutes
Legislation-	DIN, ISO, CEN, ASTM, EPA

The instrument should be operated by computer with windows software package with the following capabilities:

1. Stirrer speed to temperature control

2. Data control such as Real-time curve screening, Re-integration of peaks from measured samples, Re-calculation options, User defined methods, reports and Statistical functions.

ANNEXURE - 1

MAHARASHTRA POLLUTION CONTROL BOARD

Application form

(To Be Filled By the Bidder)

- 1) Name and full address of Bidder :
Including telegraphic address/Telex
No. and Fax No.
- 2) Name and designation of the Head of :
The Firm/Supplier and his Telephone No.
- 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. of the authorized person who may
be contacted during the process of the
purchase concerned under this
document (applicable for all the
suppliers)
- 4) The total value of tender submitted :
- 5) Earnest Money Deposited :
(Reply in Yes or No)
- 6) If yes, Demand Draft No., Date and Name :
of issuing Bank
- 7) Validity of Tender :
- 8) If the Tender conditions are accepted in :
full (Reply in Yes or No)
- 9) Income Tax clearance certificate attached :
(latest) (Reply in Yes or No)

Place :

Date :

Authorised Signatory

ANNEXURE-II

MAHARASHTRA POLLUTION CONTROL BOARD

BID FORM

(To be filled by the bidder and must be kept in "PRICE TENDER" part of the tender)

1. DETAILS SHOWING QUANTITY, SPECIFICATIONS, RATES AND OTHER DETAILS OF THE ITEMS OFFERED

Sr. No. of the item as per tender document	Name of the item	Specification offered by the bidder	Difference in specifications of tender document and that of bid, if any	Quantity in the tender	Rate	Cost	Taxes and other expenditure (ins. And freight etc.) may be shown separately	Total Cost
1	2	3	4	5	6	7	8	9
1.								
2.								
3.								
4.								
5.								

NOTE: *If this sheet is not sufficient to accommodate the bid, the additional sheets containing the same proforma may be used but the bidder with the seal must sign all such sheets including this one. In case of foreign bidder this Annexure must enclose proforma invoice item wise.*

ANNEXURE - III

UNDERTAKING

Date:
Tender Notice No.

To,

**The Member Secretary,
Maharashtra Pollution Control Board
KALPATARU POINT, 3rd & 4th floor,
Sion Matunga Scheme Road No. 8
Opp. Sion Circle, Sion (East),
Mumbai - 400 022**

Sir,

Having examined the conditions of Tender Documents and specifications of the instrument, the receipt of which is hereby acknowledged, we the undersigned offer to supply, deliver and install the following with successful working of instruments/equipments.

Sr. No.	Particulars	Type of Instrument	Calibrated from / Date of Calibration
1			

(Please add additional pages, if required)

The above supply, installation shall be in conformity with the specifications and conditions of supply for a sum of Rs. _____/- (Rupees _____ only) we undertake if our tender is accepted to deliver the items quoted by us, we shall deliver and install within the period of supply indicated in the tender.

We agree to abide by this tender and it shall remain binding upon us.

We are submitting a Demand Draft for Rs. _____/- (Rupees _____ only) in favor of Maharashtra Pollution Control Board payable at State Bank of India, Matunga Branch, Mumbai, towards the Earnest Money.

This bid, together with your written acceptance thereof in your notification of reward shall constitute a tendering contract.

Date this _____ day of _____ 2006

**Signature of Authorized person
With stamp & full address**

ANNEXURE - IV

Delivery Receipt

(To be issued by the consignee on letterhead)

No.:

To,

.....
.....
.....
.....

ACKNOWLEDGEMENT RECEIPT OF INSTRUMENTS / EQUIPMENTS

(To be given separately for each item supplied)

This is to certify that the instruments / equipments as detailed below has been received in good condition along with all standard and special accessories / spares in accordance with the conditions of the contract and amendment, if any.

Tender No. :
Purchaser :
Purchase Order No. and Data :
Description of the item supplied :
Quantity supplied :
Name of principal / supplier :
Name of Indian Agent (if any) :
Date of actual supply (date of delivery :
for the Indigenous supplier)
Outstanding / dues with the Supplier :
As per PO & amendment, if any
**Recommendation : Recommended / not recommended
for release of payment**
List of Documents enclosed :

Signature of designated Consignee.
(RO /SRO / SSO / SO)
Name & Designation with Seal &
Contact No. Ph. / Fax No.:

Copy submitted to: C.A.O., MPCB, Mumbai, for information & necessary action.
CC to: S.S.O. Central Lab., MPCB, Mahape, Navi Mumbai, for information.

ANNEXURE - V

FINAL ACCEPTANCE CERTIFICATE

No.

Date:

To,

.....
.....
.....
.....

INSTALLATION, COMMISSIONING AND FINAL ACCEPTANCE CERTIFICATE

This is to certify that the instruments / equipments as detailed below has been received in good condition along with all standard and special accessories / spares and in accordance with the conditions of the contract and amendment, if any, and the same has been finally accepted after satisfactory installation, commissioning and training at the nominated site:-

Tender No. :
Purchaser :
Purchase Order No. and Date :
Description of the item supplied :
Quantity supplied :
Name of principal / supplier :
Name of Indian Agent (if any) :
Date of Installation, Commissioning and Final acceptance :
Name of the designation of consignee where Equipment installed & commissioned by the Supplier. :
Where incidental services as per P.O. provided : Yes / No
Outstanding / dues with the supplier :
List of Documents enclosed :

Further certified that, necessary entry has been taken in M.B. No. _____ Page No. _____ to _____ and Instrument Register on page no. _____ (Enclosed certified photocopy)

Recommended for Release of full & final payment.

Signature of designated Consignee.
(RO /SRO / SSO / SO)
Name & Designation with Seal &
Contact No. Ph. / Fax No.:

Copy submitted to: C.A.O., MPCB, Mumbai, for information & necessary action.
CC to: S.S.O. Central Lab., MPCB, Mahape, Navi Mumbai, for information.

ANNEXURE -VI
MANUFACTURERS' AUTHORIZATION FORM

No.:

Date :

To,

**Member Secretary,
Maharashtra Pollution Control Board,
3rd & 4th Floor, Kalpataru Point,
Sion-Matunga Scheme Road No.8,
Opp. Cine Planet, Sion (East),
Mumbai - 400 022.**

Dear Sir,

Ref. : Tender No.: _____ dtd.

We, M/s. _____ are established and reputable manufacturers of _____ having manufacturing unit (s) at (address of factory) do hereby authorize M/s. _____ (Name and address of Agent) to submit a bid, and sign the contract with you for the above goods manufactured by us against the above Tender No. ____.

No company or firm or individual other than M/s. _____ is authorized to bid and conclude the contract in regard to this business against this specific Bid.

We hereby extend our full guarantee and warranty as per Clause (s) of the Conditions of Contract for the goods and services offered for supply by the above firm against this Bid.

Yours faithfully,

(Name of the manufacturers)

Note: This letter of authority should be on the letterhead of the manufacturer duly sealed and signed by a person competent and having the power of attorney to bind the manufacturer.