

TENDER NOTICE

No. GPCB/HO/2017-18/LCB/

Dated: 25.07.2017

LOCAL COMPETITIVE BIDDING

GUJARAT POLLUTION CONTROL BOARD

'PARYAVARAN BHAWAN'
SECTOR 10/A, GANDHINAGAR-382010
GUJARAT

Website: www.gpcb.gov.in

E-mail: kcmistrycplab2017@gmail.com, membersecretarygpcb@gmail.com

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GUJARAT POLLUTION CONTROL BOARD
'PARTAVARAN BHAVAN'
SECTOR 10/A, GANDHINAGAR-382010
GUJARAT

LOCAL COMPETITIVE BIDDING

TENDER NOTICE No. GPCB/HO/2017-18/LCB/

Dated: 25.07.2017

FOR THE SUPPLY OF INSTRUMENTS/EQUIPMENTS.

Price of Tender Document	:	Rs. 1500
Downloading Tender Document (online)	:	25-07-2017 to 28-08-2017 up to 15:55 Hrs.
Prebid Meeting Date (at Head Office Gandhinagar)	:	10-08-2017, 11:30 Hrs.
Last date for submission (for Price Bid- online)	:	28-08-2017, 16:00 Hrs.
Last date for submission (physical i.e. envelopes containing the 'technical supporting documents', inclusive of the 'tender fee', 'EMD fee' to be submitted physically)	:	On or before 28-08-2017, 16:00 Hrs.
Technical bids Opening date (online)	:	29-08-2017, 11:30 Hrs.

Dated: 25.07.2017

Gandhinagar - 382010

(Member Secretary)
Gujarat Pollution Control Board,

Telephone : (079) 23226295
Fax : (079) 23232156
e. mail : kemistrycplab2017@gmail.com,
: membersecretarygpcb@gmail.com
Website : www.gpcb.gov.in

Gujarat Pollution Control Board
Paryavaran Bhavan
Sector 10-A, Gandhinagar- 382010
Telephone: (079) 23226295

TENDER NOTICE

No. GPCB/HO/2017-18/LCB/

Dated: 25.07.2017

Sealed tenders are invited on behalf of the Member Secretary, Gujarat Pollution Control Board from the manufacturers / suppliers in India for the supply of followings Laboratory Instruments/equipments. Interested parties are intimated to fill the tender through e-tendering process. The tender documents can be downloaded free of cost from website www.nprocure.com. The details tender notice is displayed on the notice board of this office as well on www.gpcb.gov.in

The other information of the Tender Document along with detailed specifications of the Instruments / Equipments can be obtained from the office of Administrative Branch (Stores), Gujarat Pollution Control Board, Sector-10/A, Gandhinagar, Pin-382010 Gujarat.

Downloading Tender Document (online) : 25-07-2017 to 28-08-2017 up to 15:55 Hrs.
Prebid Meeting Date (at Head Office Gandhinagar) : 10-08-2017, 11:30 Hrs.
Last date for submission (for Price Bid- online) : 28-08-2017, 16:00 Hrs.
Last date for submission (physical i.e. envelopes containing the 'technical supporting documents', inclusive of the 'tender fee', 'EMD fee' to be submitted physically) : On or before 28-08-2017, 16:00 Hrs.
Technical bids Opening date (online) : 29-08-2017, 11:30 Hrs.

Bidder using downloaded tender forms must submit separate tender fee by Demand Draft along with technical bid drawn in favour of Gujarat Pollution Control Board, Gandhinagar.

**Member Secretary
Gujarat Pollution Control Board**

Gujarat Pollution Control Board
Paryavaran Bhavan
Sector 10-A, Gandhinagar- 382010
Telephone: (079) 23226295

DETAILS OF TENDER NOTICE

No. GPCB/HO/2017-18/LCB/

Dated: 25.07.2017

FOR SUPPLY OF LABORATORY INSTRUMENTS/EQUIPMENTS

1. **Sealed Tenders are invited on behalf of the Member Secretary, Gujarat Pollution Control Board from Manufacturer/Suppliers in India for the supply of various Laboratory Instruments / equipments as listed below:**

Autoclave 02, Automatic digital burette (50 ml) 21 no., Automatic digital burette (25 ml) 03 no., Bacteriological (Microbiological) Incubator 01 no., Bomb Calorimeter (for CV) 04 no., Colony counter 01 no., Conductivity Meter 02 no., Digester with condenser (for COD) 01 no., Digital temp meter with thermocouple rod for temp measurement 0 to 1000⁰C 01 no., Dissolved Oxygen meter-Portable 07 no., Flash Point Apparatus 03 no., Flocculator (Jar Testing Apparatus) 03 no., Global Positioning System (GPS) 04 no., Hot plate 03 no., Magnetic Stirrer with hot plate 03 no., Niskin Water Sampler 02 no., Process Stack Kit 07 no., Salinity meter (Refracto Meter) 09 no., Ultrasonic water bath 01 no., Vaneen Sediment Grab Sampler 01 no., Water bath 03 no.

2. The other information of the Tender Document along with detailed specifications of the Instruments / Equipments can be obtained from the office of Administrative Branch (Stores), Gujarat Pollution Control Board, Sector-10/A, Gandhinagar, Pin-382010 Gujarat with prescribed tender fee in the form of DD/Payorder drawn in favour of Gujarat Pollution Control Board, Gandhinagar. **The tender fee is for the whole LCB document and as such no separate tender fee is to be submitted for individual items.**
3. The Bid must be submitted in English, by the principal / their authorized suppliers.
4. **Bidders are requested to fill Price Bid online only.** The Earnest Money as indicated in Bid document must be submitted by the Bidder along with the Tender in the form of Demand Draft **or a valid bank guarantee from a nationalized bank**/Pay order only drawn in favour of "GUJARAT POLLUTION CONTROL BOARD" payable at Gandhinagar (India). It should be either in Indian Rupees or in bid currency (equivalent amount as per the exchange rate prevailing). The Indian agent/ representative should furnish an authorization letter from their foreign Principal supplier authorizing to deposit the EMD on their behalf.
5. The request for Competitive Bidding Documents sent by post will be accepted strictly Up to 24.08.2017. GPCB will not be responsible for any delay in receipt of tender document sent by post. Request received by post after above mentioned date will not be entertained at any cost.

Other details are as follows:

Price of Tender Document	: Rs. 1500
Downloading Tender Document (online)	: 25-07-2017 to 28-08-2017 up to 15:55 Hrs.
Prebid Meeting Date (at Head Office Gandhinagar)	: 10-08-2017, 11:30 Hrs.
Last date for submission (for Price Bid- online)	: 28-08-2017, 16:00 Hrs.
Last date for submission (physical i.e. envelopes containing the 'technical supporting documents', inclusive of the 'tender fee', 'EMD fee' to be submitted physically)	: On or before 28-08-2017, 16:00 Hrs.
Technical bids Opening date (online)	: 29-08-2017, 11:30 Hrs.
Earnest Money along with Tenders	As indicated in the Tender Document

6. Bidders using downloaded tender forms must submit separate tender fee by Demand Draft along with technical bid drawn in favour of Gujarat Pollution Control Board, Gandhinagar.

**Member Secretary
Gujarat Pollution Control Board**

GENERAL TERMS AND CONDITIONS

- 1.0 This document contains the following:
- i) Copy of the Local Competitive Bidding Notice
 - ii) General Terms and Conditions of Bid
 - iii) Terms and Conditions for Submission of Bid
 - iv) Payment Terms
 - v) Settlement of Dispute
 - vi) Application Form
 - vii) Undertaking
 - viii) Bid Form
 - ix) Schedule of Earnest Money to be deposited along with Tender
 - x) Quantity of Instruments and Locations of delivery and installation.
 - xi) Detailed specification of the instruments.
 - xii) Check List.
- 1.2 The Tender Document is not transferable by the purchaser. The bid form in the bid form at Annexure-II may be used for bidding. Documents/forms down loaded from the net can also be used.. However, the additional sheets containing the same proforma may be used for each item. Each sheet including that provided by the Board with this document must be signed by the bidder. The price bid must be in the form provided herewith at Annexure-II.
- 1.3 The tender will not be accepted from the firm to whom the document is not issued by the Board. The bid downloaded form not without tender fee will not be accepted.
- 1.4 The Board takes 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.
- 1.5 The bidder is expected to examine all instructions, forms, terms and conditions and specifications mentioned in the bidding document. Failure to furnish all information required by the bidding documents or submission of a bid not substantially irresponsive to the bidding document in every respect will be at the bidder's risk and may result in the rejection of it's bid.
- 1.6 This call of tenders does not bind the Gujarat Pollution Control Board to place order. The Tenders submitted in response to this invitation can be rejected without assigning any reason.
- 1.7 The bidder should be a manufacturer. This tender notice, tender forms, schedule of requirements, specification etc are also available on GPCB's Website www.gpcb.gov.in. Bidders using down loaded tender form must submit a separate tender fee by Demand Draft/pay order along with the technical part of the bid. The tender without requisite tender fee will be rejected.
- 1.9 The Board at its discretion may extend the last date of submission of tender and opening of tenders. The final authority for acceptance of a Tender will rest with the Chairman, Gujarat Pollution Control Board who does not bind himself to accept the lowest tender and is vested with the authority to reject any or all of the tenders received without assigning any reason.
- 1.10 Documents, literature, diagrams/leaflets, samples etc., enclosed in the tender shall become the property of the Gujarat Pollution Control Board without any payment.
- 1.11 The warranty period for all the items procured will be for Three years starting from the date of successful commissioning of the instrument. Under this warranty upon the receipt of such notice supplier/agent shall within the period specified, repair/replace the defective instrument or spare parts thereof at the ultimate destination. The supplier/agent shall take over the

replaced parts/goods, in the event of any correction of defects or replacement of defective material. In such cases, the warranty for the corrected/replaced materials shall be extended till the left over period of warranty.

- 1.12 The Tender would be regarded as turned down, if no award of contract has been obtained till the expiry of the Tender validity. No separate communication will be made in this regard.
- 1.13 The items have to be supplied in standard packaging.
- 1.14 If the last date for sale, submission and opening of Tenders falls on any Government declared holidays, the next working day at the same time will be considered last dates of the same.
- 1.15 The bid shall contain no interlineations, erasures or overwriting words except as necessary to correct errors made by the bidder, in that case such correction shall be initialed by the person or persons signing the bid.
- 1.16 Late and delayed tenders will not be considered and shall be returned unopened to the Bidder.
- 1.17 It is advised that the outside suppliers should send the Tender through Registered Post/Speed post/Courier. However, the local supplier may drop their Tenders in Tender Box kept in Gujarat Pollution Control Board, Gandhinagar for the purpose. In no case Tender should be handed over to any employee of the Board.
- 1.18 Canvassing in any form will disqualify the Bid.
- 1.19 Request for the Tender Document for bidding through e-mail, Telephone, Fax, E-Mail and Tele fax, money order shall not be entertained.
- 1.20 **The Tender Notice No. GPCB/HO/2017-18/LCB/ Dated 25.07.2017** (The item code number is given in the specification sheet against each item must be invariably be quoted in the bid and no further correspondence in this regard will be entertained.
- 1.21 All the Tenders should be addressed to:

Member Secretary
Gujarat Pollution Control Board
'Paravaran Bhavan'
Sector 10-A, Gandhinagar-382010,
Gujarat, India

2.0 **SUBMISSION OF BID**

- 2.1 The bid prepared by the bidder and all correspondence and documents relating to the bid exchanged by the bidder and the purchaser, shall be written in English language, provided that any printed literature furnished by the Bidder may be written in another language so long as accompanied by English translation of its pertinent passages in such case, for the purpose of interpretation of the bid, English translation shall govern.
- 2.2 The bid must accompany **Annexure-I** with Techno Commercial part of Bid tender fee incase of downloaded and **Annexure-II & III** along with **'Price' part** of the Bid duly filled in and signed by the Bidder along with the seal of the Firm.
- 2.3 The Bidders are requested to quote Goods & Service Tax (GST) excluded price in item-wise and total price of each instrument separately indicating the freight, insurance, installation charges and other expenditure item-wise F.O.R. GPCB/Locations as indicated in the Annexure-V of this document. No C/D form will be issued against GST. The bidder is

expected to examine the bidding documents carefully and is deemed to have received and read all documents. It shall be the responsibility of the bidder to request the copies of any missing documents. Failure to do so will be at bidders risks.

- 2.4 It may be noted that mere quoting lowest rates will not entitle any firm to get the order. The quality of the item being offered, the past performance supply etc will also be taken in to consideration. Prior to award of purchase order the buyer can call any details, explanation, regarding technical & financial aspect.

IMPORTANT

Bidder can quote the rates for all the instruments or some of the instruments against one tender document. However, separate price bid and technical bid should be submitted for each item clearly mentioning the item code number, item name on the top of the envelopes with senders name and address. The Gujarat Pollution Control Board reserves the right to accept the tender in full or in part. The bid for each item should be in separate sheets / pages and for the sake of identity, compilation, instrument/item code number and description of item should be written on the top of each bid. EMD should be submitted separately against each item. Containing technical, price bid and item wise EMD; items-wise technical specification and price should be in separate sheets i.e. There should be separate envelope for each items. Containing technical, price bid and item wise EMD; incase bidders desires to quote more than one item. Those tenders do not comply the above instruction will not be considered. Please do not enclose the EMD along with the envelopes for price bid. The EMD along with the combined bid will not be considered.

- 2.5 The Tender is to be submitted "single, stage- three envelopes system" i.e. the second sealed envelope will contain the Earnest Money Deposit full information required to judge pre-qualification, earnest money, complete details and specification of the instruments offered including the leaflets and catalogues, list of credentials with documentary evidence i.e., purchase/work order etc., Income Tax Clearance Certificate, PAN No., Vat/Sales Tax Registration No., Affidavit for not being black listed, Commercial Terms & Conditions etc. It shall be marked "Pre-qualifications, technical and commercial Bid No. **GPCB/HO/2017-18/LCB/** due on **Dated 25.07.2017** for supply of instruments & equipments". The Third envelope will contain only price quoted by the bidder in the form given at Annexure -II of this document and shall be clearly marked 'Price Bid **No.GPCB/HO/2017-18/LCB/ Dated 25.07.2017** for instruments & equipment'. Both the above envelopes must be separately sealed and shall be kept in one envelope bearing the address of Gujarat Pollution Control Board and superscribed with bold letter 'TENDER FOR INSTRUMENTS & EQUIPMENTS- NOT TO OPEN BEFORE **29.08.2017** AT 11.30 A.M.' The senders address should be mentioned in all envelopes.

Item Code number(s) should be mentioned invariably on all envelopes. **Separate bids for separate item should be submitted. The combined bid will not be considered.**

- 2.6 Technical & Commercial part of the tender will be opened on due date i.e. at **11.30 A.M.** on **29.08.2017** in the office of the Gujarat Pollution Control Board in presence of the Representative of the Tenders who would like to present Sealed Price part of Technically and Commercially acceptable tenders will be opened on a later date which will be communicated by the Board on the same day or on a later date.
- 2.7. The bidder shall furnish, as part of its bid, bid security for each instrument/equipment separately for the amount mentioned in **Annexure-V** requirements.
- 2.8. The bid security (EMD) shall be in the form of Demand Draft/**or a valid bank guarantee from a nationalized bank**/Pay order only in favour of 'GUJARAT POLLUTION CONTROL BOARD' payable at Gandhinagar. The Earnest Money shall be forfeited if a

bidder withdraws or amends the tender in any respect within the period of validity of this tender or fails to supply the instruments within the specified period in the tender document. Tender shall not be entertained where a Tenderer has not furnished adequate earnest money in the Prescribed and acceptable form. In case the instrument supplied is found defective and not attended by the supplier, the Earnest Money deposited by the supplier will also be forfeited.

- 2.9 The Firm who seek exemption from depositing earnest money being **small scale industry or being registered with NSIC, DGS&D and other Government agencies which entitles them for exemption must submit the valid Registration Certificate** cover the instrument 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 techno-commercial part of tender along with the bid. **(EMD Exemption will be granted only to those items specified in the certificate of Registration).**
- 2.10 Unsuccessful bidders bid security will be discharged/ returned without any interest in the same form after the concerned purchase is finalized or within three months whichever is earlier and that of successful bidders will be discharged without interest within two months of the successful installation and commissioning of the instrument.
- 2.11 The validity of Tender would be for a minimum period of 180 days from the date of opening of Tenders. A Bid valid for a shorter period may be rejected by the Board as non responsive. In case, the validity to be extended, the Board may solicit the Bidder's consent to an extension on the period of validity and the bid shall remain valid for the extended period mutually agreed for.
- 2.12 The rates should be quoted both in words and figures.
- 2.13 Arithmetical error will be rectified on the following basis:- If there is discrepancy between the unit price and total price that is obtained by the multiplying the Unit Price and quantity, the unit price shall prevail and the total price shall be corrected. If there is discrepancy between words and figures, the amount mentioned in words will prevail.
- 2.14 Tenders not in proper sealed cover or received through/E-mail/Fax/telefax will not be entertained.
- 2.15 Conditional Tenders will be rejected without assigning any reason.
- 2.16 The Bid shall be typed or written in indelible ink and shall be signed by the Bidder or a person duly authorized to the Contract. The letter of authorization should bear the signatures of only the authorized person of the firm. All pages of the Bid, except for un-amended printed literature shall be initial by the person or persons signing the bid.
- 2.17 To assist in the examination, evaluation and comparison of bids the buyer 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.
- 2.18. Eventual suggestions for modification or subsidiary Tenders are principally not admissible.
- 2.31. The specification are clearly mentioned in the document and the Bidder are requested to submit Bid only if their offer strictly comply to these specifications. Please note that no deviation in the required specification will be permitted. The bidding for the instruments having different specification will be on Bidder's risk as the Board will not entertain such Bids. **BIDS CARRYING THE STATEMENT LIKE "SPECIFICATION AS PER TENDER DOCUMENT" SHALL NOT BE ENTERTAINED. THE PRODUCT SPECIFICATIONS SUPPORTED BY TECHNICAL LITERATURE AND LIST OF USERS, MUST BE ENCLOSED.**

- 2.32. The placement of work order/purchase order will be according to technical evaluation of the Tender and after consideration of its price worthiness.
- 2.33. The price to be given in the Tender are fixed prices, irrespective of rise in Materials prices and increase in taxes etc., till complete the delivery of items. No request in regard to increase in the price of instruments or in taxes etc. will be entertained after the submission of the tender.
- 2.34. **The supplier should attach a blank copy of financial bid (without cost/price figures) along with the technical bid to assess the items included/components quoted in the bid.**
- 2.23 The nomenclature of the instruments and spares will be invariably same in Proforma Invoice, Invoice, Packing list and in other relevant papers in case the Bidder is asked to supply the instruments against its offer.
- 2.24 With the submission of the Tender, the Bidder accepts the conditions of the Tender.
- 2.25 The installation of the instruments is the entire responsibility of the supplier. It must be done either by the principal/supplier or their authorized agents within one month of the receipt of the instruments by the Board. The supplier or Agent should be in touch with the Stores Section of the Board to know the exact day of receipt of stores supplied/dispatched by them.
- 2.26 Inspection of goods (quoted items) prior to dispatch and arrival at destination sites:
- 2.27 The Member Secretary, GPCB will constitute a committee **of 3 members** for Inspection of goods (quoted items) prior to dispatch i.e. **at manufacture site in India/ Application Centre in India / Application Laboratory in India** and also after its arrival at destination site. This committee will carry out inspection with reference to the specifications and the Bill of Quantities for respective instruments and submit the detailed inspection report along with the opinion / conclusion to the Member Secretary, GPCB.
- 2.28 The Member Secretary, GPCB will constitute a committee for Inspection of goods (quoted items) prior to dispatch i.e. at manufacture site and also after its arrival at destination site. This committee will carry out inspection with reference to the specifications and the Bill of Quantities for respective instruments and submit the detailed inspection report along with the opinion / conclusion to the Member Secretary, GPCB.
- 2.29 If the instrument supplied is not in conformity with the specification other than asked for, it will have to be replaced at the risk and cost of the supplier. No freight and other charges will be paid by the Board.
- 2.30 The list of instruments/equipment, their approximate quantity and point of delivery is given at Annexure-V and the detailed specification of the instrument are given in the tender document. The quantity mentioned in the tender document may be increased /decreased at the discretion of the Competent Authority in the Gujarat Pollution Control Board without assigning any reason.
- 2.31 Each and every folio of the Tender must be signed by the Bidder.
- 2.32 **Bidder can quote the rates for all the instruments or some of the instruments. The Bid shall be considered only for those instruments for which the rates have been specifically quoted. The Board further reserves the right to accept the Tender for all the instruments or some of the instruments for which the bidder has quoted the Bid. The**

bidder should attach a separate list for the consumable/spares required for smooth operation of the instrument and two copies of trouble shooting manuals, electric circuits etc. along with the bids.

- 2.33 **The bidder should not leave blank in any of the rows of the column “Bidders Response” in the specification sheet of respective Instrument/Equipment. If the bidder fails to do so, than this will be considered as one of the points for disqualification.**
- 2.34 The bidder should provide a complete list of spares and consumables required for operation and maintenance of the instruments along with the price list.
- 2.35 **Special Condition:** Any reasons, the supplier/manufacturer either changes or goes out of business, it must provide the Purchaser with design plans necessary for the alternative production of all needed spare parts and consumables. Manufactures/suppliers should provide a complete product Brochure having details of specification quoted.
- 2.36 **Annual maintenance contract:**
- The bidder should quote the charges for annual maintenance contract after the warranty period for the instrument listed in annexure IV of this tender document. The bidder should quote the charges for annual maintenance contract after the warranty period. However the AMC quoted by the bidder will not be taken into consideration for financial evaluation i.e. for deciding the successful (L1) bidder.
- 2.35. The instrument for which Tenders are invited will have to be supplied within 30 days from the date of issue of purchase order. in the case of non-observance of the delivery period , the order will be cancelled.
- 2.36. The after sales service is most important to be considered for comparison bids .The firms who do not have local Agents to provide after sales and service during warranty period will not be considered.
- 2.35. In the case of proprietary item, the proprietary certificate issued by the principal/manufacturer should be attached along with the technical bid. In that case, the bid of the sole distributor will only be considered. A copy of the latest supply order (showing details of price) executed to any other Departments under Govt. of India should be attached along with the price bid.
- 2.36 If the instrument supplied is found defective/unsatisfactory condition/short supply/other than specifications in the Purchase Orders, the same will have to be replaced at the suppliers risk and cost. No freight and other charges for replacement will be paid by the Board.
- 2.37 At any time prior to the deadline for submission of bids the buyer may for any reason whether at it's own initiative or in response to a clarification requested by a prospective Bidder, modify the bidding documents by an amendment.
- 2.38 The Amendment if any, will be brought to the notice in writing or by fax or cable or e-mail to all concerned Bidders who have purchased the bidding documents and will be binding on them.
- 2.39. In order to afford prospective Bidder reasonable time in which to take the Amendment into account in preparing their bids, the purchaser may at its discretion, extend the deadline for the submission of bids.
- 2.40 The prices must be quoted item-wise i.e. basic price, GST, packing forwarding, handling and installation charges etc. The charges must be quoted clearly and not in vague terms like "As Actual" "Approx" etc.

- 2.41 If according to the Bidder, the Tendered Documents contain unclear points which could influence price calculations, the bidder has to inform the authority who is issuing the call of Tenders before submission of his Tender, either in writing or by fax or e-mail even if he has pointed out this earlier in any other form/reference.
- 2.42. The Packing, Forwarding, Insurance, Transportation & Installation including training charges if any must be quoted separately for each item according to the place of delivery as mentioned in the schedule at Annexure-V. The supplier will be held liable for any damage, theft or loss during transit. The instruments are to be dispatched to the respective places directly and to be installed there by the supplier under intimation to the, GPCB Office at Paryavarn Bhavan, Sector 10/A, Gandhinagar. The prices should be quoted FOR GPCB/designated location mentioned in Annexure-V.
- 2.43. The warranty/guarantee of the instrument/equipment should be clearly mentioned in the Bid.
- 2.44. MOST IMPORTANT

PLEASE NOTE THAT ANNEXURE-I OF THIS DOCUMENT MUST BE ENCLOSED WITH THE FIRST PART OF BID i.e. "TECHNICAL/COMMERCIAL BID AND TENDER FEE (IN THE CASE OF DOWNLOADED DOCUMENT" AND ANNEXURE-II, III WILL BE KEPT IN THE SECOND PART OF BID i.e. PRICE BID.

PLEASE NOTE THAT THERE IS NO NEED TO ENCLOSE THE ENTIRE TENDER DOCUMENT (SUPPLIED BY THE BOARD) WITH YOUR BID. ONLY ANNEXURE-I, II AND III NEED TO BE ENCLOSED AS PER INSTRUCTION STIPULATED IN PARA 2.44, AND OTHER RELEVANT PARAGRAPHS OF THIS BID.

3. Commitments of the BUYER

- 3.1 The BUYER undertakes that no official of the BUYER, connected directly or indirectly with the contract, will demand, take a promise for or accept, directly or through intermediaries, any bribe, consideration, gift, reward or any benefit or any other advantage from the BIDDER, either for themselves or for any person, organization or third party related to the contract in exchange for an advantage in the bidding process, bid evaluation, contracting or implementation process related to the contract.
- 3.2 In case any such preceding misconduct on the part of such official(s) is reported by the BIDDER to the BUYER with full and verifiable facts and the same is prima facie found to be correct by the BUYER, necessary disciplinary proceedings, or any other action as deemed fit, may be initiated by the BUYER and such a person shall be debarred from further dealings related to the contract process. In such a case while an inquiry is being conducted by the BUYER the proceedings under the contract would not be stalled.

4. Commitments of BIDDERS

The BIDDER commits itself to take all measures necessary to prevent corrupt practices, unfair means and illegal activities during any stage of its bid or during any pre-contract stage in order to secure the contract or in furtherance to secure it and in particular commit itself to the following:-

- 4.1 The BIDDER will not offer, directly or through intermediaries, any bribe, gift, consideration, reward or other advantage, commission, fees, brokerage to any official of the BUYER, connected directly or indirectly with the bidding process, or to any

person, organization or third party related to the contract in exchange for any advantage in the bidding, evaluation, contracting and implementation of the contract.

- 4.2 The BIDDER commits to refrain from giving any complaint directly or through any other manner without supporting it with full and verifiable facts.
- 4.3 The BIDDER agrees that if it makes incorrect statement on this subject, BIDDER can be disqualified from the tender process or the contract, if already awarded, can be terminated for such reason.

5. Sanctions for Violations

Any breach of the aforesaid provisions by the BIDDER or any one employed by it or acting on its behalf (whether with or without the knowledge of the BIDDER) shall entitle the BUYER to take all or any one of the following actions, wherever required:-

- 5.1 To immediately call off the contract without assigning any reason or giving any compensation to the BIDDER. However, the proceedings with the other BIDDER (s) would continue.
- 5.2 The Earnest Money Deposit and/or Security Deposit/Performance Bank Guarantee (after the contract is signed) shall stand forfeited either fully or partially, as decided by the BUYER and the BUYER shall not be required to assign any reason therefore.
- 5.3 To debar the BIDDER from participating in future bidding processes of the Government of Gujarat for a minimum period of five years, which may be further extended at the discretion of the BUYER.

6 PAYMENT CONDITIONS

- 6.1 Full payment will be released on delivery, installation, required training and successful commissioning of the instruments/equipments to be certified by concerned Laboratory Head / Regional Officers of the Board, and on submission of bills in triplicate and on furnishing performance Bank Guarantee for 10% of the purchase order valid for a period of 60 days beyond the warranty period. No advance payment will be made in any case and no proposal for documents through Bank will be considered. Hence, no preference will be given for such advance payment proposal. The defective, substandard and contrary to the specifications instruments supplied have to be replaced by the supplier at their cost and responsibility.
- 6.2 In case several bills are presented, against one order, the reference of supply order and other details should be mentioned in each and every bill.
- 6.3 **Penalty Clause:** It is expected that the average downtime of an item will be less than half the maximum downtime (i.e. defined as number of days for which an item of equipment is not usable because of inability of the supplier to repair it). In case an item is not usable beyond the stipulated maximum downtime the supplier will be required to arrange for an immediate replacement of the same till it is repaired. Failure to arrange for the immediate repair/replacement will be liable for penalty **0.03% of the basic cost of the instruments per day or Rs 1000/- per day whichever is high** per equipment per day per item. The amount of penalty will be recovered from bank guarantee during warranty or annual maintenance period as the case may be.

7. SETTLEMENT OF DISPUTES

- 7.1 All disputes or difference arising out of or in connection with the contract and supply of any item/equipment assigned under the same (whether during the progress of the works or after their completion, determination, abandonment or breach of the contract) shall be settled in accordance with the appropriate decision taken by the Chairman, GPCB.
- 7.2 The party invoking the dispute shall specify the dispute to be referred to the Chairman GPCB under this clause together with the amount or amount claimed in respect of each such dispute.
- 7.3 If the supplier(s) do not make any demand for the dispute in respect of any claim(s) or dispute in writing within 60 days of submission of the final bill for payment, the claim of the supplier will be deemed to have been waived and absolutely barred and the Board will be discharged and released of all liabilities under the contract in respect of these claims.
- 7.4 The courts at Gujarat shall have exclusive jurisdiction to entertain and try all matters arising out of this contract.

8. 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 frost, floods, riots and acts of usurped power. Only those causes which have a duration of more than 7 calendar days shall be considered cause of force majeure. A notification to this effect duly certified by the Local Chamber of Commerce/Statutory Authorities shall be given by the Vendor to the owner by registered letter. In the event of delay due to such cases a length of time equal to the period of force majeure or at the option of the owner the order may be cancelled. Such cancellation would be without any liability whatsoever on the part of owner. In the event of such cancellation the vendor shall refund any amount advanced or period to the vendor by the Purchaser and delivery back any material issued to him by the Purchaser and release facilities, if any, provided by the Purchaser.

Bid No. GPCB/HO/2017-18/LCB/

Application Form
(To be filled by the bidder)

1.	Name & full address of the Bidder including Telegraphic Address/Telex No and Fax No. (officials e-mail address)	:	
2.	Name and Designation of the Head of the Firm/supplier and his Telephone No.	:	
3.	Name & address of the Principal supplier	:	
4.	i). In case the supplier is located Out of Gujarat; specify the Address/Authorized Distributor's or Agent's Address in Gujarat, if any	:	
	ii) Name, Designation, Address Telephone & Fax Numbers and email of the Authorized Person who may be contacted during the process of the purchase concerned under this document (Applicable for all the suppliers)	:	
5.	Item Code Number (s) and name of items quoted for	:	
6.	Whether Earnest Money Deposited (Amount Rs.)	:	
7.	If yes, Demand Draft No., Date and Name of issuing Bank	:	
8.	Whether Tender fee Deposited (Amount Rs)	:	
9.	If yes, Demand Draft No. Date and Name of issuing Bank	:	
10.	Validity of Tender	:	
11.	If the tender documents are accepted in full (yes or No)	:	
12.	Income Tax Clearance Certificate attached (Latest) (Yes or No) with PAN NUMBER	:	
	Place:		
	Date:		
			Legally Binding Signature with Stamp

BID FORM**Bid No. GPCB/HO/2017-18/LCB/**

Details showing quantity, specification and other details of the instruments offered (to be filled by the bidder and must be kept in "Price Bid" part of the Tender)

Sr. No.	Item Code	Name of Instrument/Equipment	Ex-factory price of Main Instrument/Equipment with standard accessories in INR. (Per Unit)	Packing Forwarding, Insurance, Transport charges from factory to place of Consignees, Installation, Training etc. in INR	Total F.O.R.D. price excluding GST# in INR	*AMC in INR
1	2	3	4	5	6	7

NOTE: If this sheet is not sufficient to accommodate the bid the additional sheets containing the same proforma but all such sheets including this one must be signed by the Bidder along with the seal. This Annexure must enclose in the Proforma Invoice price bid for item wise. Separate Bid form should be attached against each item, quoted for.

*** Also note that the AMC cost will not be considered during the financial evaluation for deciding L-1 Bidder.**

Goods and Service Tax (GST) will be paid as per the prevailing rules of the Government.

Environmental Engineer, (Stores), GPCB

Signature with date & stamp of the bidder

UNDERTAKING

DATE _____

TENDER NOTICE NO. _____

To,

The Chairman

Gujarat Pollution Control Board
Paryavaran Bhavan,
Sector 10-A, Gandhinagar- 382010
Gujarat

Sir,

Having examined the conditions of Tender Document and specifications of the instruments / Equipments the receipt of which is hereby acknowledged. We, the undersigned, offer to supply, delivery and install the following:

- 1.
- 2.
- 3.
- 4.
- 5.
- 6.
- 8.
- 9.
- 10.
- 11.
- 12.
- 13

(Please add additional pages, if required)The above supply, installation shall be in conformity with the specifications and conditions of supply.

We undertake if our bid is accepted to deliver the instruments / Equipments quoted by us, we shall deliver and install within the period indicated by us in our offer.

We agree to abide by this bid for a period of 180 days from the date fixed for Bid opening and it shall remain binding upon us and may be accepted at any time before expiration of that period.

We are submitting a Demand Draft/Pay order for Rs.....in favour of "Gujarat Pollution Control Board", Gandhinagar towards the Earnest Money.

This Bid, together with your written acceptance thereof in your notification of award shall constitute a bidding contract between us.

We understand that you are not bound to accept the lowest or any bid you may receive.

Dated this.....day of.....2017

Signature of authorized Person, Name with Stamp & full Address.

Gujarat Pollution Control Board**SCHEDULE OF EARNEST MONEY DEPOSIT (EMD)**

Item Code	Instrument / Equipment	Quantity	EMD (in Rs.)
LCB-17-01	Autoclave	02	5400
LCB-17-02	Automatic digital burette (50 ml)	21	47250
LCB-17-03	Automatic digital burette (25 ml)	03	5850
LCB-17-04	Bacteriological (Microbiological) Incubator	01	900
LCB-17-05	Bomb Calorimeter (for CV)	04	7200
LCB-17-06	COD Digester with condenser	01	1950
LCB-17-07	Colony counter	01	1050
LCB-17-08	Conductivity Meter	02	3900
LCB-17-09	Digital temp meter with thermocouple rod for temp measurement 0 to 1000 °C	01	750
LCB-17-10	Dissolved Oxygen meter – Portable	07	9450
LCB-17-11	Flash Point Apparatus	03	3150
LCB-17-12	Flocculator (Jar Testing Apparatus)	03	3150
LCB-17-13	Global Positioning System (GPS)	04	2400
LCB-17-14	Hot plate	03	2250
LCB-17-15	Magnetic Stirrer with hot plate	03	3150
LCB-17-16	Niskin Water Sampler	02	2400
LCB-17-17	Process Stack Kit	07	12600
LCB-17-18	Salinity meter (Refracto Meter)	09	6750
LCB-17-19	Ultrasonic water bath	01	900
LCB-17-20	Vaveen Sediment Grab Sampler	01	1350
LCB-17-21	Water bath	03	6750

Gujarat Pollution Control Board**LOCATION OF DELIVERY AND INSTALLATION OF INSTRUMENTS/EQUIPMENT**

Item Code	Name of Instruments	Nos. of Instruments (Quantity)	Recipients Name of R.O.	Destination code with quantity
LCB-17-01	Autoclave	02	Bhavnagar Central Laboratory	Bhav-1 Gnr CL-1
LCB-17-02	Automatic digital burette (50 ml)	21	Bharuch Bhavnagar Central Laboratory Kutch West Jamnagar Rajkot Surat Vadodara Vapi	Bhru-3 Bhav-1 Gnr CL-6 Kutch W-2 Jam-2 Raj-1 Srt-1 Vad-2 Vpi-3
LCB-17-03	Automatic digital burette (25 ml)	03	Jamnagar Surat Kutch West	Kutch W-1 Jam-1 Srt-1
LCB-17-04	Bacteriological (Microbiological) Incubator	01	Bhavnagar	Bhav-1
LCB-17-05	Bomb Calorimeter (for CV)	04	Central Laboratory Jamnagar Surat Vadodara	Gnr CL-1 Jam-1 Srt-1 Vad-1
LCB-17-06	COD Digester with condenser	01	Bharuch	Bhru-1
LCB-17-07	Colony counter	01	Surat	Srt-1
LCB-17-08	Conductivity Meter	02	Bharuch Vadodara	Bhru-1 Vad-1
LCB-17-09	Digital temp meter with thermocouple rod for temp measurement 0 to 1000 °C	01	Surat	Srt-1
LCB-17-10	Dissolved Oxygen meter – Portable	07	Anand Bharuch Central Laboratory Jamnagar Rajkot Surat Vadodara	Ana-1 Bhru-1 Gnr CL-1 Jam-1 Raj-1 Srt-1 Vad-1
LCB-17-11	Flash Point Apparatus	03	Central Laboratory Jamnagar Vadodara	Gnr CL-1 Jam-1 Vad-1
LCB-17-12	Flocculator (Jar Testing Apparatus)	03	Bharuch Jamnagar Rajkot	Bhru-1 Jam-1 Raj-1
LCB-17-13	Global Positioning System (GPS)	04	Ahmadabad city Ahmadabad Rural Anand Surat	Ahmd C-1 Ahmd R-1 Ana-1 Srt-1
LCB-17-14	Hot plate	03	Kutch West Bharuch Bhavnagar	Kutch W-1 Bhru-1 Bhav-1
LCB-17-15	Magnetic Stirrer with hot plate	03	Kutch West Bharuch	Kutch W-1 Bhru-2
LCB-17-16	Niskin Water Sampler	02	Jamnagar Bharuch	Jam-1 Bhru-1

Item Code	Name of Instruments	Nos. of Instruments (Quantity)	Recipients Name of R.O.	Destination code with quantity
LCB-17-17	Process Stack Kit	07	Anand Bharuch Kutch West Porbandar Sarigam Kutch East	Ana-1 Bhru- Kutch W-2 Pbr-1 Sari-1 Kut E-1
LCB-17-18	Salinity meter (Refracto Meter)	09	Bharuch Bhavnagar Central Laboratory Kutch East Jamnagar Rajkot Surat Vadodara Vapi	Bhru-1 Bhav-1 Gnr CL-1 Kutch E-1 Jam-1 Raj-1 Srt-1 Vad-1 Vpi-1
LCB-17-19	Ultrasonic water bath	01	Bharuch	Bhru-1
LCB-17-20	Vaveen Sediment Grab Sampler	01	Bharuch	Bhru-1
LCB-17-21	Water bath	03	Bhavnagar Central Laboratory Jamnagar	Bhav-1 Gnr CL-1 Jam-1

Ahmedabad-City	=	Ahmd C	Morbi	=	Mor
Ahmedabad East	=	Ahmd E	Navsari	=	Nav
Ahmedabad Rural	=	Ahmd R	Nadiad	=	Nad
Anand	=	Ana	Palanpur	=	Pal
Bhavnagar	=	Bhav	Porbandar	=	Pbr
Bharuch	=	Bhru	Rajkot	=	Raj
Gandhinagar	=	Gnr	Sarigam	=	Sari
Central Laboratory (Gandhinagar)	=	Gnr CL	Surat	=	Srt
Godhara	=	God	Surendranagar	=	Sur
Himmatnagar	=	Him	Vadodara	=	Vad
Jamnagar	=	Jam	Vapi	=	Vpi
Jetpur	=	Jet	Vigilance Gandhinagar	=	Vig Gnr
Junagadh	=	Jug	Vigilance Surat	=	Vig Srt
Kutch East	=	Kut E	Vigilance Rajkot	=	Vig Raj
Kutch West	=	Kut W	Vigilance Vadodara	=	Vig Vad
Mehsana	=	Meh			

Offices of the Gujarat Pollution Control Board

Gujarat Pollution Control Board,
“Paryavaran Bhavan”,
Sector 10-A,
Head Office : Gandhinagar - 382 010.
Phone: 079-23232152,
Fax : 079-23222784, 23232161,
Website: www.gpcb.gov.in

Regional Offices:

Sr. No.	RO-Regional Offices, GPCB
1.	RO, Gujarat Pollution Control Board, Ahmedabad 2nd Floor, Gram Nirman Bhavan, Gujarat Rajya Khadi Gramodyog Board, Juna Vadaj, Ahmedabad 380 009 Tel: 079-27556634, 27556631, 27556632 Fax: 079-27556670
2.	RO, Gujarat Pollution Control Board, Vadodara GERI Compound, Race Course road, Vadodara 390 007 Phone: (0265) 2354850, 2331928 Fax: (0265) 2339205
3.	RO, Gujarat Pollution Control Board, Rajkot Near Hotel Durkhush, Race course road, ring road, Rajkot 360 001 Phone: (0281) 2474524, 2459831 Fax: (0281) 2452189
4.	RO, Gujarat Pollution Control Board, Surat Belgium Square, Silver Plaza Complex, Opposite Linear bus stand, Ring road, Surat 395 003 Phone: (0261) 2442696, 2411192 Fax: (0261) 2429733
5.	RO, Gujarat Pollution Control Board, Vapi Shed no. C – 5/124, Vapi GIDC, Near Hotel Pritam, Vapi 396 195 Dist: Valsad Phone: (0260) 2432089, 2426207 Fax: (0260) 2432826
6.	RO, Gujarat Pollution Control Board, Bharuch Shed no. C – 1, 119/3, GIDC Phase - II, Narmadanagar, Bharuch 392 015 Phone: (02642) 246333, 248665 Fax: (02642) 246345
7.	RO, Gujarat Pollution Control Board, Jamnagar Sardar Patel Commercial Complex, Rameshwarnagar, K.G. Vikas Gruh marg, Bedi Bandar road, Jamnagar 368 008 Phone: (0288) 2752366, Fax: (0288) 2753540
8.	RO, Gujarat Pollution Control Board, Bhavnagar Plot 1154/2-B, Ghogha Circle, Sir Patni road, Bhavnagar 364 004 Phone : (0278) 2524108 Fax: (0278) 2525837
9.	RO, Gujarat Pollution Control Board, Mehsana H/3 - A, Phase I, GIDC Estate, Near GIDC Office, Modhera road, Mehsana Phone : (02762) 258294 Tel/ Fax: (02762) 258106
10.	RO, Gujarat Pollution Control Board, Godhra 20, Haidary Society, Near DSP office, Godhra, Dist: Panchmahal 389 001 Phone: (02672) 245869 Fax: (02672) 245991

Sr. No.	RO-Regional Offices, GPCB
11.	RO, Gujarat Pollution Control Board, Bhuj Katira Commercial Complex-1, Air Port Road, Sanskar Nagar, Nr. Income tax Office, Bhuj 370001 Phone : (02832) 250620 Fax: (02832) 250621
12.	RO, Gujarat Pollution Control Board, Nadiad 201-203, 'B' Block, Sardar Patel Bhavan, Nadiad, District Kheda 387 001 Phone : (0268) 2551427, Fax: (0268) 2551428
13.	RO, Gujarat Pollution Control Board, Junagadh 'Pankaj Bungalow', Station road, Opp. St. Anee's Church, Junagadh 362 001 Phone : (0285) 2651504, Fax: (0285) 2651503
14.	RO, Gujarat Pollution Control Board, Gandhinagar, Paryavaran Bhavan, Sector 10 A, Gandhinagar 382 010 Phone : (079) 23222096, Fax: (079) 232322425
15.	RO, Gujarat Pollution Control Board, Himmatnagar Aadarsh Bunglow, House no. 33/34, Motipura, Polytechnic road, Himmatnagar, District Sabarkantha 383 001 Tel: (02772) 229272, 229273 Fax No. (02772) 229273
16.	RO, Gujarat Pollution Control Board, Ankleshwar Cleaner Techonology Development Centre Building (ARAIL) 1501, GIDC Ankleshwar, Dist. Bharuch 393 002 Phone: (02646) 222933 Fax: (02646) 222932
17.	RO, Gujarat Pollution Control Board, Surendranagar 'Krushn Bhuvan, Jadeshwar Society, Nr PTC College, Jadeshwar road, Wadhvan, Dist. Surendranagar 363 030 Phone: (02752) 242121, 242122
18.	RO, Gujarat Pollution Control Board, Porbandar Sandeep Complex, First Floor, Opp. Madhvani College, Narsang Tekri, Airport road, Porbandar 360 577 Phone: (0286) 2220050 Fax: (0286) 2220030
19.	RO, Gujarat Pollution Control Board, Navsari 2nd floor, Patel Parivar Complex, Nr. RTO, N.H. No.8, Sisodara, Navsari. Phone: (02637) 290730
20.	RO, Gujarat Pollution Control Board, Palanpur Jilla Seva Sadan-2, Collector Office Complex, Joravar Palace, 3rd floor, Room No. 20 to 24, Palanpur. Phone : (02742) 251300
21.	RO, Gujarat Pollution Control Board, Anand Bardanwala Bhavan, Dr. Crook road, Anand Phone: (02692)266194,266195, Fax no. (02692) 266194
22.	RO, Gujarat Pollution Control Board, Jetpur Near Balaji Society, Dhoraji Road, Jetpur, Rajkot 360 370 Phone: (02823) 227222
23	RO, Gujarat pollution Control Board, Ahmedabad(rural), 2nd Floor, Gram Nirman Bhavan, Gujarat Rajya Khadi Gramodyog Board, Juna

Sr. No.	RO-Regional Offices, GPCB
	Vadaj, Ahmedabad 380 009 Tel: 079-27556634, 27556631, 27556632 Fax: 079-27556670
24	Ro Gujarat Pollution Control Board , Ahmedabad(East) Ground Floor, Shop No.1, Om Shantinagar 3+, Near Devi Ma Temple, Village: Vatva, Ta. Dascroi, Dist. Ahmedabad.Tel : 079-29295880
25	RO, Gujarat Pollution Control Board, Sarigam S.No: 253/2, Ahir Faliya, Bhandar Vad, Sarigam – 396 155.Dist. Valsad. Tel : 0260-2786044, 2786033, Fax: 0260-2786033
26	RO, Gujarat Pollution Control Board, Morbi Regional Office, GPCB, Morbi, “Parishram” , Nr. Mahavir Society, Opp. New Bus Stand, Sanala Road, Morabi - 363641. Tel : 02822-22801, 22802

Vigilance offices-GPCB

Sr. No.	VO-Vigilance Offices, GPCB
1	VO, Gujarat Pollution Control Board, Gandhinagar, 101 - 104, First Floor, Paryavaran Bhavan, Sector 10 A, Gandhinagar 382 010 Phone: (079)23231759
2	VO, Gujarat Pollution Control Board, Vadodara GERI Compound, Race Course road, Vadodara 390 007 Phone: (0265) 2354850, 2331928 Fax: (0265) 2339205
3	VO, Gujarat Pollution Control Board, Surat Belgium Square, Silver Plaza Complex, Opposite Linear bus stand, Ring road, Surat 395 003 Phone: (0261) 2442696, 2411192, Fax: (0261) 2429733
4	VO, Gujarat Pollution Control Board, Rajkot C/O Near Hotel Durkhush, Race course road, ring road, Rajkot 360 001 Phone: (0281) 2474524, 2459831, Fax: (0281) 2452189

Performance Security (Indicative Format)

[The bank, as requested by the successful Bidder, shall fill in this form in accordance with the instructions indicated]

Date: *[insert date (as day, month, and year) of Bid Submission]*

ICB No. and title: *[insert no. and title of bidding process]*

Bank's Branch or Office: *[insert complete name of Guarantor]*

Beneficiary:*[insert complete name of Purchaser]*

PERFORMANCE GUARANTEE No.: *[insert Performance Guarantee number]*

We have been informed that *[insert complete name of Supplier]* (hereinafter called "the Supplier") has entered into Contract No. *[insert number]* dated *[insert day and month]*, *[insert year]* with you, for the supply of *[description of Goods and related Services]* (hereinafter called "the Contract").

Furthermore, we understand that, according to the conditions of the Contract, a Performance Guarantee is required.

At the request of the Supplier, we hereby irrevocably undertake to pay you any sum(s) not exceeding *[insert amount(s)¹ in figures and words]* upon receipt by us of your first demand in writing declaring the Supplier to be in default under the Contract, without cavil or argument, or your needing to prove or to show grounds or reasons for your demand or the sum specified therein.

This Guarantee shall expire no later than the *[insert number]* day of *[insert month]**[insert year]*,² and any demand for payment under it must be received by us at this office on or before that date.

[signatures of authorized representatives of the bank and the Supplier]

1. *The Bank shall insert the amount(s) specified in the tender documents and denominated, as specified either in the currency (ies) of the Contract or a freely convertible currency acceptable to the Purchaser.*
2. *Dates established in accordance with the tender conditions taking into account any warranty obligations of the Supplier intended to be secured by a partial Performance Guarantee. The Purchaser should note that in the event of an extension of the time to perform the Contract, the Purchaser would need to request an extension of this Guarantee from the Bank. Such request must be in writing and must be made prior to the expiration date established in the Guarantee. In preparing this Guarantee, the Purchaser might consider adding the following text to the Form, at the end of the penultimate paragraph: We agree to a one-time extension of this Guarantee for a period not to exceed [six months] [one year], in response to the Purchaser's written request for such extension, such request to be presented to us before the expiry of the Guarantee."*

Bank Guarantee for Earnest Money Deposit EMD (Indicative Format)

[The Nationalized bank, as requested by the Buyer shall fill in this form in accordance with the instructions indicated.]

Date: *[insert date (as day, month, and year) of Bid Submission]*

ICB No. and title: *[insert number and title of bidding process]*

[bank's letterhead]

Beneficiary: *[insert legal name and address of Buyer]*

Earnest Money Deposit (EMD) PAYMENT GUARANTEE No.:*[insert Guarantee no.]*

We, *[insert legal name and address of bank]*, have been informed that *[insert complete name and address of Supplier]* (hereinafter called "the Supplier") has entered to participate for tender No. *[insert number]* dated *[insert date]* with you, for the supply of *[insert types of Goods to be quoted/delivered]*.

Furthermore, we understand that, according to the conditions of the tender, a payment for **Earnest Money Deposit (EMD)** is to be made.

At the request of the Supplier, we hereby irrevocably undertake to pay you any sum or sums not exceeding in total an amount of *[insert amount(s) in figures and words]* upon receipt by us of your first demand in writing declaring that the Supplier is in breach of its obligation under the tender conditions regarding Earnest Money Deposit (EMD).

It is a condition for any claim and payment under this payment to be made referred to above must have been received by the Supplier on its account *[insert number and domicile of the account]*

This Guarantee shall remain valid and in full effect from the date of the payment received by the Supplier under the Tender conditions until *[insert dated]*.

SPECIFICATIONS

Procurement of instruments / equipments for Gujarat Pollution Control Board Laboratories (Head Office & Regional Offices)

Code Number: LCB-17-01

Equipment Name: Autoclave (Vertical) stainless steel

Quantity: 02 (Two)

Sr. No	Specifications	Requirement	BIDDER'S RESPONSE:(Bidder shall indicate 'Complied' or 'Non Complied' as applicable in each row. In case of 'Non Complied', mention details)
1.0	Description	Vertical Stainless steel Autoclave for sterilization of microbiological media etc.	
2.0	Stranded working chamber size	45x250,500x300,550x350	
3.0	Height x Dia	600 x 450, 750 x 550 (all Dimensions in mm)	
4.0	Interior	Thick gauge non Magnetic SS-304,arc welded	
5.0	Exterior	Stainless steel sheet	
6.0	Chamber	Triple walled construction with an additional SS steam jacket for dry sterilization process	
7.0	Mounting	On sturdy legs	
8.0	Insulation	Glass wool	
9.0	Lid	Mild Steel Plate Lid Lined with SS-304 sheet	
10.0	Locking	Radial Locking System	
11.0	Loading	Top Loading , Optional SS-304 Perforated basket	
12.0	Sealing	Resilient Neoprene Rubber Gasket	
13.0	Front Panel	Toggle Switches, Pressure Control Switch, Indicator light Release Valves, Pressure Gauge	
14.0	Water Level	Water level with Gauges glass	
15.0	Drainage system	Drain Pipe with Cap	
16.0	Pedal Lifting Device	Foot Pedal for easy Lifting of Lid	
17.0	Steam Release	By handset valve	
18.0	Safety Valve	For exhaust of excessive steam from chamber	
19.0	Range	5 to 20 psi	
20.0	Tested	Hydraulically	
21.0	Control	Pressure Gauge (Peizo Stat)	
22.0	Display	Pressure Gauge, Temperatime Gauge	
23.0	Readability	1 psi	
24.0	Heater	Flanged type immersion water	
25.0	Other features	Safety Locking System (SLS) to prevent opening of lid when chamber is under pressure.	
		Timer Analog or Digital for setting Sterilization Time Cycle.	
		Automatic Low Water Cut Off Device	
26.0	Temperature Gauge	Digital.	
27.0	Calibration certificate	The pressure and temperature gauge should be calibrated from NABL recognized calibration laboratory and calibration certificates to be provided along with the Autoclave.	

Procurement of instruments / equipments for Gujarat Pollution Control Board Laboratories (Head Office & Regional Offices)			
Code Number: LCB-17-01			
Equipment Name: Autoclave (Vertical) stainless steel			
Quantity: 02 (Two)			
Sr. No	Specifications	Requirement	BIDDER'S RESPONSE:(Bidder shall indicate 'Complied' or 'Non Complied' as applicable in each row. In case of 'Non Complied', mention details)
28.0	Operation and Maintenance Training	The supplier has to impart on site operation training (all expenditure inclusive) at the time of installation to Scientists on operation and maintenance aspects of the application at the respective destination sites to the satisfaction of the trainees and Regional Officer / Lab Head. The trainees and Regional Officer / Lab Head have to certify the same.	
29.0	Warranty	Free Maintenance Services will be provided by the supplier during the period of warranty. After warranty period, Annual Maintenance and Repairs of the equipment supplied for next 24 months will be done by the Supplier.	
30.0	Special Condition	Any reasons, the supplier/manufacturer either changes or goes out of business, it must provide the Purchaser with design plans necessary for the alternative production of all needed spare parts and consumables. Manufactures/suppliers should provide a complete product Brochure having details of specification quoted.	
31.0	General Conditions of Supply	<ul style="list-style-type: none"> • The instrument and all its sub units should operate on 230 ± 10 volts 50 Hz power supply. • All the operation and maintenance manuals, circuit diagrams, application notes and application software to be supplied should be in English language. • The supplier / manufacturer should have Indian Facility to provide after sales service. • The main unit and all the sub units of the instrument should be serviced by the Indian representative of supplier. • In case of breakdown of the system, the servicing to be done immediately by the supplier during the warranty period Maximum down time period 4 working days. 	

Procurement of instruments / equipments for Gujarat Pollution Control Board Laboratories (Head Office & Regional Offices)			
Code Number: LCB-17-02			
Equipment Name: Automatic Digital Burette (Bottle Top Digital Burette) 50 ml			
Quantity: 21 (Twenty One)			
S o.	Specifications	Requirement	BIDDER'S RESPONSE: (Bidder shall indicate 'Complied' or 'Non Complied' as applicable in each row. In case of 'Non Complied', mention details)
1	Dispensing Range	0.01 – 50.0 ml	
2	Discharge tube	Adjustable discharge tube	
3	Battery	Long life battery. Should be equipped with low battery indicator	
4	Titration performance	Should be able to perform precise titrations within the error limits of class a glass burettes	
5	Dispensing	Continuous pulse free dispensing	
6	Filling tubes	Vertical and horizontal adjustable filling tubes. Telescope filling tube for automatically setting the length	
7	Recirculation valve	Recirculation valve for priming without loss of reagents	
8	General (mandatory)	<ul style="list-style-type: none"> – Removable electronic unit. The burettes should be autoclaved without electronic unit – Should be highly resistant chemicals – Burette should be able to rotate full 360° on bottle – To be supplied with required bottle adapters 	
9	Operation and Maintenance Training	The supplier has to impart on site operation training (all expenditure inclusive) at the time of installation to Scientists on operation and maintenance aspects of the application at the respective destination sites to the satisfaction of the trainees and Regional Officer / Lab Head. The trainees and Regional Officer / Lab Head have to certify the same.	
10	Warranty	Free Maintenance Services will be provided by the supplier during the period of warranty. After warranty period, Annual Maintenance and Repairs of the equipment supplied for next 24 months will be done by the Supplier.	
11	Special Condition	Any reasons, the supplier/manufacturer either changes or goes out of business, it must provide the Purchaser with design plans necessary for the alternative production of all needed spare parts and consumables. Manufactures/suppliers should provide a complete product Brochure having details of specification quoted.	
12	General Conditions of Supply	<ul style="list-style-type: none"> • The instrument and all its sub units should operate on 230 ± 10 volts 50 Hz power supply. • All the operation and maintenance manuals, circuit diagrams, application notes and application software to be supplied should be in English language. • The supplier / manufacturer should have Indian Facility to provide after sales service. • The main unit and all the sub units of the instrument should be serviced by the Indian representative of supplier. • In case of breakdown of the system, the servicing to be done immediately by the supplier during the warranty period Maximum down time period 4 working days. 	

Procurement of instruments / equipments for Gujarat Pollution Control Board Laboratories (Head Office & Regional Offices)

Code Number: LCB-17-03			
Equipment Name: Automatic Digital Burette (Bottle Top Digital Burette) 25ml			
Quantity: 03 (Three)			
S. No.	Specifications	Requirement	BIDDER'S RESPONSE: (Bidder shall indicate 'Complied' or 'Non Complied' as applicable in each row. In case of 'Non Complied', mention details)
1	Dispensing Range	0.01 – 25.0 ml	
2	Discharge tube	Adjustable discharge tube	
3	Battery	Long life battery. Should be equipped with low battery indicator	
4	Titration performance	Should be able to perform precise titrations within the error limits of class a glass burettes	
5	Dispensing	Continuous pulse free dispensing	
6	Filling tubes	Vertical and horizontal adjustable filling tubes. Telescope filling tube for automatically setting the length	
7	Recirculation valve	Recirculation valve for priming without loss of reagents	
8	General (mandatory)	<ul style="list-style-type: none"> – Removable electronic unit. The burettes should be autoclaved without electronic unit – Should be highly resistant chemicals – Burette should be able to rotate full 360° on bottle – To be supplied with required bottle adapters 	
9	Operation and Maintenance Training	The supplier has to impart on site operation training (all expenditure inclusive) at the time of installation to Scientists on operation and maintenance aspects of the application at the respective destination sites to the satisfaction of the trainees and Regional Officer / Lab Head. The trainees and Regional Officer / Lab Head have to certify the same.	
10	Warranty	Free Maintenance Services will be provided by the supplier during the period of warranty. After warranty period, Annual Maintenance and Repairs of the equipment supplied for next 24 months will be done by the Supplier.	
11	Special Condition	Any reasons, the supplier/manufacturer either changes or goes out of business, it must provide the Purchaser with design plans necessary for the alternative production of all needed spare parts and consumables. Manufactures/suppliers should provide a complete product Brochure having details of specification quoted.	
12	General Conditions of Supply	<ul style="list-style-type: none"> • The instrument and all its sub units should operate on 230 ± 10 volts 50 Hz power supply. • All the operation and maintenance manuals, circuit diagrams, application notes and application software to be supplied should be in English language. • The supplier / manufacturer should have Indian Facility to provide after sales service. • The main unit and all the sub units of the instrument should be serviced by the Indian representative of supplier. • In case of breakdown of the system, the servicing to be done immediately by the supplier during the warranty period Maximum down time period 4 working days. 	

Procurement of instruments / equipments for Gujarat Pollution Control Board Laboratories (Head Office & Regional Offices)	
Code Number: LCB-17-04	

Equipment Name: Bacteriological (Microbiological) Incubator			
Quantity: 01 (One)			
S. No.	Specifications	Requirement	BIDDER'S RESPONSE: (Bidder shall indicate 'Complied' or 'Non Complied' as applicable in each row. In case of 'Non Complied', mention details)
1.0	Inside chamber size	450 mm x 450 mm x 450 mm 605 m x 910 m x 605 m	
2.0	Construction	Double walled with inside wall made of thick stainless steel and outside wall made of mild steel furnished in durable white enamel paint. The space between the walls should be atleast 75 mm thick and packed with pure white glass wool.	
3.0	Door	Door should have double glass viewing window of size adequate enough to permit observations without disturbing the thermal conditions.	
4.0	Heating elements	Should be located at appropriate locations to enable temperature controls through a built-in air circulating fan.	
5.0	Thermostat	From room temperature to 70 °C with a sensitivity of ± 0.2 °C in the entire temperature range.	
6.0	Thermometer	Built-in Digital Thermometer with adequate indicator	
7.0	Ventilation	Two adjustable air ventilators located near the top of the sides.	
8.0	Operation	230 ± 10 V 50 Hz AC power.	
9.0	Other items	Should be complete with pilot lamp, atleast three perforated stainless steel sheet shelves adjustable at any levels, power cable and plug.	
10.0	Calibration / certificate	Should be calibrated for temperature from National / International Calibration Laboratory and supplied with calibration certificate	
11.0	Operation and Maintenance Training	The supplier has to impart on site operation training (all expenditure inclusive) at the time of installation to Scientists on operation and maintenance aspects of the application at the respective destination sites to the satisfaction of the trainees and Regional Officer / Lab Head. The trainees and Regional Officer / Lab Head have to certify the same.	
12.0	Warranty	Free Maintenance Services will be provided by the supplier during the period of warranty. After warranty period, Annual Maintenance and Repairs of the equipment supplied for next 24 months will be done by the Supplier.	
13.0	Special Condition	Any reasons, the supplier/manufacturer either changes or goes out of business, it must provide the Purchaser with design plans necessary for the alternative production of all needed spare parts and consumables. Manufactures/suppliers should provide a complete product Brochure having details of specification quoted.	
14.0	General Conditions of Supply	<ul style="list-style-type: none"> • The instrument and all its sub units should operate on 230 ± 10 volts 50 Hz power supply. • All the operation and maintenance manuals, circuit diagrams, application notes and application software to be supplied should be in English language. • The supplier / manufacturer should have Indian Facility to provide after sales service. • The main unit and all the sub units of the instrument should be serviced by the Indian representative of supplier. • In case of breakdown of the system, the servicing to be done immediately by the supplier during the warranty period Maximum down time period 4 working days. 	

Procurement of instruments / equipments for Gujarat Pollution Control Board Laboratories (Head Office & Regional Offices)

Code Number: LCB-17-05

Equipment Name: Bomb Calorimeter for CV

Quantity: 04 (Four)

S. No.	Specifications	Requirement	BIDDER'S RESPONSE: (Bidder shall indicate 'Complied' or 'Non Complied' as applicable in each row. In case of 'Non Complied', mention details)
1.	Description	Microprocessor controlled compact, bench top, Bomb calorimeter for determination of Heat of combustion, Gross calorific values & Sulphur contents solid & liquid fuels as per Indian and International standards.	
2.	Compliance	Should comply with standard test method ASTM D 5865, ASTM D 240, ASTM D 4809, ASTM D 5468, ASTM E711, ISO 1928, AS1038.5, BS1016 etc., Calorimeter should have a facility to upgrade with different types of bombs by simply plug in without changing the main calorimeter configuration	
3.	Calorimeter	Calorimeter software should identify different bombs automatically & maintain the history of the ignitions performed with each bomb.	
4.	Bomb & bucket	should be removable type to increase the number of samples per hour.	
5.	Measuring range	Up to 10,000 Kcal/Kg per one gram of sample with a provision to extend more for 1gm of sample without reducing the sample size	
6.	Temperature Measurement	with inbuilt high precision electronic thermometer	
7.	Temperature Measuring Resolution	0.001 deg C	
8.	Analysis Time	5 to 10 minute or better	
9.	No. of Tests per hour	6 samples or more in an hour	
10.	Display	BTU/lb, cal/g, J/kg; MJ/kg on color graphic touch screen	
11.	Resolution	0.0001 Cal/gm	
12.	Analysis Mode	Equilibrium mode / Dynamic mode or any other mode	
13.	Precision	0.1 % RSD or better on analysis of 1 gram sample	
14.	Repeatability / Reproducibility	As Per BIS 1350 (Part -2), 1970, ASTM D-5865/04 & DIN 51900 Methods	
15.	Oxygen Combustion Vessel (Bomb)	Combustion vessel should made up of Special stabilized stainless steel to resist the mixed nitric acid and sulfuric acid produced in combustion. Vessel capacity should be 340 ml with heavy duty screw cap.	

Procurement of instruments / equipments for Gujarat Pollution Control Board Laboratories (Head Office & Regional Offices)			
Code Number: LCB-17-05			
Equipment Name: Bomb Calorimeter for CV			
Quantity: 04 (Four)			
S. No.	Specifications	Requirement	BIDDER'S RESPONSE: (Bidder shall indicate 'Complied' or 'Non Complied' as applicable in each row. In case of 'Non Complied', mention details)
		To be supplied with Test certificate	
		Pressure gauge on stand and Bomb lid stand	
16	Correction	Spiking, Ash/ Nitrogen or Acid, Fuse wire, moisture, cotton thread, Sulphur and Hydrogen	
17.	Memory Capacity	Inbuilt data storage for minimum 1,000 tests results and data transfer to PC via Ethernet without using any additional software.	
18.	Safety requirement	Safety device build in	
19.	Interface	Inbuilt USB interface for Balance, Printer and computer without any additional accessories/software.	
20.	Sample Crucible	Metal crucibles with Ni-Cr Alloy	
21.	Power requirement	230 ± 10 Volts 50 Hz AC	
22.	Gas requirement Oxygen - One	High pressure seamless steel cylinder fitted with high purity Oxygen gas having gas capacity 7 m ³ water capacity 47 liters. Cylinder should be ISI marked conforming to IS 7285 specifications. Flat bottom fitted with valve as per IS: 3224. Complete with neck ring and cap painted as specified under Gas cylinder Rules, 1981 along with Hydraulic test certificate, ISI inspection / Test Certificate. Explosive Certificate from Chief Controller of Explosives, Nagpur as per BIS standards.	
23.	Gas cylinder	Stainless steel Gas cylinder to be supplied alongwith the system with compatible regulator.	
24.	Standard Accessories	(i) Oxygen bomb with permanent fuse wire (ii) Bucket & Water measuring flask (iii) Benzoic Acid with certificate (iv) One set mandatory spares/consumables (v) Electronic Balance (0.0001 gram readability) with connecting cable (vi) Printer with connecting cable (vii) Pellet press (viii) Standard Benzoic acid of known calorific value alongwith calibration certificate.	
25	Operation and Maintenance Training	The supplier has to impart on site operation training (all expenditure inclusive) at the time of installation to Scientists on operation and maintenance aspects of the application at the respective destination sites to the satisfaction of the trainees and Regional Officer / Lab Head. The trainees and Regional Officer / Lab Head have to certify the same.	
26	Warranty	Free Maintenance Services will be provided by the supplier during the period of warranty. After warranty period, Annual Maintenance and Repairs of the equipment supplied for next 24 months will be done by the Supplier.	

Procurement of instruments / equipments for Gujarat Pollution Control Board Laboratories (Head Office & Regional Offices)			
Code Number: LCB-17-05			
Equipment Name: Bomb Calorimeter for CV			
Quantity: 04 (Four)			
S. No.	Specifications	Requirement	BIDDER'S RESPONSE: (Bidder shall indicate 'Complied' or 'Non Complied' as applicable in each row. In case of 'Non Complied', mention details)
27	Special Condition	Any reasons, the supplier/manufacturer either changes or goes out of business, it must provide the Purchaser with design plans necessary for the alternative production of all needed spare parts and consumables. Manufactures/suppliers should provide a complete product Brochure having details of specification quoted.	
28	General Conditions of Supply	<ul style="list-style-type: none"> • The instrument and all its sub units should operate on 230 ± 10 volts 50 Hz power supply. • All the operation and maintenance manuals, circuit diagrams, application notes and application software to be supplied should be in English language. • The supplier / manufacturer should have Indian Facility to provide after sales service. • The main unit and all the sub units of the instrument should be serviced by the Indian representative of supplier. • In case of breakdown of the system, the servicing to be done immediately by the supplier during the warranty period Maximum down time period 4 working days. 	

Procurement of instruments / equipments for Gujarat Pollution Control Board Laboratories (Head Office & Regional Offices)			
Code Number: LCB-17-06			
Equipment Name: COD Digester with condenser			
Quantity: 01 (One)			
Sr. No	Specifications	Requirement	BIDDER'S RESPONSE: (Bidder shall indicate 'Complied' or 'Non Complied' as applicable in each row. In case of 'Non Complied', mention details)
1	Heating Block	Solid Metal block with 15 holes	
2	Glassware	15, 20, 25 Reaction Vessels (dia 40 mm approx) & compatible Air Conditioners.	
3	Temperature	150° C ± 1% (Uniform heating)	
4	Capacity	15, 20, 25 samples at a time	
5	Vessel Capacity	200 ml (without neck) for sample size 20 ml.	
6	Display	Graphic LCD Module 128 x 64 dots with large font.	
7	Key Board	Soft Touch membrane key board	
8	Timer	Programmable with buzzer and indicator.	
9	Power requirement	230 ± 10% Volt. 50 Hz Single Phase AC with Sufficient Power chord.	
10	Consumables/ Accessories	One set of condenser and vessel with cooling system. Standard Toolkit and Manual.	
11	Operation and Maintenance Training	The supplier has to impart on site operation training (all expenditure inclusive) at the time of installation to Scientists on operation and maintenance aspects of the application at the respective destination sites to the satisfaction of the trainees and Regional Officer / Lab Head. The trainees and Regional Officer / Lab Head have to certify the same.	
12	Warranty	Free Maintenance Services will be provided by the supplier during the period of warranty. After warranty period, Annual Maintenance and Repairs of the equipment supplied for next 24 months will be done by the Supplier.	
13	Special Condition	Any reasons, the supplier/manufacturer either changes or goes out of business, it must provide the Purchaser with design plans necessary for the alternative production of all needed spare parts and consumables. Manufactures/suppliers should provide a complete product Brochure having details of specification quoted.	
14	General Conditions of Supply	<ul style="list-style-type: none"> • The instrument and all its sub units should operate on 230 ± 10 volts 50 Hz power supply. • All the operation and maintenance manuals, circuit diagrams, application notes and application software to be supplied should be in English language. • The supplier / manufacturer should have Indian Facility to provide after sales service. • The main unit and all the sub units of the instrument should be serviced by the Indian representative of supplier. • In case of breakdown of the system, the servicing to be done immediately by the supplier during the warranty period Maximum down time period 4 working days. 	

Procurement of instruments / equipments for Gujarat Pollution Control Board Laboratories (Head Office & Regional Offices)

Code Number: LCB-17-07			
Equipment Name: Colony Counter			
Quantity: 01 (One)			
S. No.	Specifications	Requirement	BIDDER'S RESPONSE: (Bidder shall indicate 'Complied' or 'Non Complied' as applicable in each row. In case of 'Non Complied', mention details)
1.0	Display	4 Digits, 9999 max. count	
2.0	Dish Size of diameter	110 mm	
3.0	Approx. Dimension	L 250 X B 300 X H 150 mm (approx.)	
4.0	Magnification	1.7 x	
5.0	Operating Power	230 V ± 10 V 50 Hz AC	
6.0	Marking Pen	1 No. installed with instrument and two nos. spares	
7.0	Magnifier lens	Minimum 110 mm diameter	
		Audible confirmation of each count	
		Should have uniform glare free illumination	
8.0	Operation and Maintenance Training	The supplier has to impart on site operation training (all expenditure inclusive) at the time of installation to Scientists on operation and maintenance aspects of the application at the respective destination sites to the satisfaction of the trainees and Regional Officer / Lab Head. The trainees and Regional Officer / Lab Head have to certify the same.	
9.0	Warranty	Free Maintenance Services will be provided by the supplier during the period of warranty. After warranty period, Annual Maintenance and Repairs of the equipment supplied for next 24 months will be done by the Supplier.	
10.0	Special Condition	Any reasons, the supplier/manufacturer either changes or goes out of business, it must provide the Purchaser with design plans necessary for the alternative production of all needed spare parts and consumables. Manufactures/suppliers should provide a complete product Brochure having details of specification quoted.	
11.0	General Conditions of Supply	<ul style="list-style-type: none"> • The instrument and all its sub units should operate on 230 ± 10 volts 50 Hz power supply. • All the operation and maintenance manuals, circuit diagrams, application notes and application software to be supplied should be in English language. • The supplier / manufacturer should have Indian Facility to provide after sales service. • The main unit and all the sub units of the instrument should be serviced by the Indian representative of supplier. • In case of breakdown of the system, the servicing to be done immediately by the supplier during the warranty period Maximum down time period 4 working days. 	

Procurement of instruments / equipments for Gujarat Pollution Control Board Laboratories (Head Office & Regional Offices)

Code Number: LCB-17-08

Equipment Name: Conductivity Meter

Quantity: 02 (Two)

S. No.	Specifications	Requirement	BIDDER'S RESPONSE: (Bidder shall indicate 'Complied' or 'Non Complied' as applicable in each row. In case of 'Non Complied', mention details)
1.	General	Light weight, Bench top, Sensitive microprocessor controlled digital conductivity Meter having dual power operating facilities (220 ± 10 V online power and 9 V batteries) with all accessories, standards (NIST Traceable) etc.	
2.	Size/weight	Light weight, Portable	
3.	Display	LCD, simultaneous display of Temperature and conductivity LCD display for the condition of electrode with an warning	
4.	Conductivity Range	0.0 to 199.9 µS 200 to 1999 µS 2.00 to 19.99 mS	
5.	Auto Ranging Resolutions for respective determination ranges	0.1µS (0.0 to 199.9 µS) 1µS (200 to 1999 µS) 0.01mS (2.00 to 19.99 mS)	
6.	Accuracy	± 2% (at Full Scale)	
7.	Temperature Range	0.0 to 50°C	
8.	Temperature Accuracy	± 0.50C	
9.	Resolution	0.1°C	
10.	Offset	0.1 °C increments	
11.	Calibration	Up to 3 points (push button; 1 point per range)	
12.	Cell Constant	Theoretically 1.0, (Provide Internationally Traceable Calibration Certificate)	
13.	Temperature Compensation	Automatic, at 0.0 to 50.0 °C	
14.	Reference Temperature	Factory set at 25 °C	
15.	Temperature Coefficient	Factory set at 25 °C	
16.	Buttons / Keys	ON/OFF, Measure (Cond.), CAL, ENTER, UP, DOWN and others	
17.	Inputs	BNC, Temperature Probe, Power, Reference etc.	
18.	Power	9V alkaline & also on 230 V ± 10 V 50 Hz AC	
19.	Accessories	Power chord, Operation and service manual (2 copies each), Electrode stand (preferentially Flexible) , Beakers for calibration etc.	
20.	Standards	NIST traceable Standards for calibrations at all working ranges	
21.	Optional	Built in printing protocol for attachment of normal printer/ PC.	

Procurement of instruments / equipments for Gujarat Pollution Control Board Laboratories (Head Office & Regional Offices)			
Code Number: LCB-17-08			
Equipment Name: Conductivity Meter			
Quantity: 02 (Two)			
S. No.	Specifications	Requirement	BIDDER'S RESPONSE: (Bidder shall indicate 'Complied' or 'Non Complied' as applicable in each row. In case of 'Non Complied', mention details)
		Password protection for multilevel operator	
		Memory Data Sets.	
		Self Diagnostic Messages.	
		Provision for LIMS Connectivity	
		RS232 C Interface to attach the normal printer / PC	
22	Operation and Maintenance Training	The supplier has to impart on site operation training (all expenditure inclusive) at the time of installation to Scientists on operation and maintenance aspects of the application at the respective destination sites to the satisfaction of the trainees and Regional Officer / Lab Head. The trainees and Regional Officer / Lab Head have to certify the same.	
23	Warranty	Free Maintenance Services will be provided by the supplier during the period of warranty. After warranty period, Annual Maintenance and Repairs of the equipment supplied for next 24 months will be done by the Supplier.	
24	Special Condition	Any reasons, the supplier/manufacturer either changes or goes out of business, it must provide the Purchaser with design plans necessary for the alternative production of all needed spare parts and consumables. Manufactures/suppliers should provide a complete product Brochure having details of specification quoted.	
25	General Conditions of Supply	<ul style="list-style-type: none"> • The instrument and all its sub units should operate on 230 ± 10 volts 50 Hz power supply. • All the operation and maintenance manuals, circuit diagrams, application notes and application software to be supplied should be in English language. • The supplier / manufacturer should have Indian Facility to provide after sales service. • The main unit and all the sub units of the instrument should be serviced by the Indian representative of supplier. • In case of breakdown of the system, the servicing to be done immediately by the supplier during the warranty period Maximum down time period 4 working days. 	

Procurement of instruments / equipments for Gujarat Pollution Control Board Laboratories (Head Office & Regional Offices)			
Code Number: LCB-17-09			
Equipment Name: Digital temp meter with thermocouple rod for temp measurement 0 to 1000⁰C			
Quantity: 01 (One)			
Sr. No	Specifications	Requirement	BIDDER'S RESPONSE: (Bidder shall indicate 'Complied' or 'Non Complied' as applicable in each row. In case of 'Non Complied', mention details)
1	Pyrometer	Pyrometer with Thermocouple for High Temperature (1000 Deg. C)	
2	Probe Length	Probe Length – 1 mtr with thick pipe for sustaining high Temp in stack	
3	Calibration Certificate	Calibration Certificate with NABL Logo must be provided to ensure reliability of Calibration.	
4	Operation and Maintenance Training	The supplier has to impart on site operation training (all expenditure inclusive) at the time of installation to Scientists on operation and maintenance aspects of the application at the respective destination sites to the satisfaction of the trainees and Regional Officer / Lab Head. The trainees and Regional Officer / Lab Head have to certify the same.	
5	Warranty	Free Maintenance Services will be provided by the supplier during the period of warranty. After warranty period, Annual Maintenance and Repairs of the equipment supplied for next 24 months will be done by the Supplier.	
6	Special Condition	Any reasons, the supplier/manufacturer either changes or goes out of business, it must provide the Purchaser with design plans necessary for the alternative production of all needed spare parts and consumables. Manufactures/suppliers should provide a complete product Brochure having details of specification quoted.	
7	General Conditions of Supply	<ul style="list-style-type: none"> • The instrument and all its sub units should operate on 230 ± 10 volts 50 Hz power supply. • All the operation and maintenance manuals, circuit diagrams, application notes and application software to be supplied should be in English language. • The supplier / manufacturer should have Indian Facility to provide after sales service. • The main unit and all the sub units of the instrument should be serviced by the Indian representative of supplier. • In case of breakdown of the system, the servicing to be done immediately by the supplier during the warranty period Maximum down time period 4 working days. 	

Procurement of instruments / equipments for Gujarat Pollution Control Board Laboratories (Head Office & Regional Offices)			
Code Number: LCB-17-10			
Equipment Name: Dissolved Oxygen Meter – Portable			
Quantity: 07 (Seven)			
S. No.	Specifications	Requirement	BIDDER'S RESPONSE: (Bidder shall indicate 'Complied' or 'Non Complied' as applicable in each row. In case of 'Non Complied', mention details)
1	Read	Dissolved Oxygen mg/l/ppm digital display percent O ₂ saturation %	
2	Dissolved Oxygen Range	0.0 to 20.00 mg/l	
3	Saturation of O ₂ Range	0.0 to 20 %	
4	Resolution	0.01 mg/l for diss. O ₂ , 0.1 % for O ₂ saturation	
5	Accuracy	± 1.5 % full scale	
6	Temperature range	0.0 to 50 °C	
7	Pressure and salinity correction	Automatic	
8	Power	Battery operated	
9	General	To be supplied complete with electrode, battery, carrying case etc. necessary for successful & satisfactory operations	
10	Operation and Maintenance Training	The supplier has to impart on site operation training (all expenditure inclusive) at the time of installation to Scientists on operation and maintenance aspects of the application at the respective destination sites to the satisfaction of the trainees and Regional Officer / Lab Head. The trainees and Regional Officer / Lab Head have to certify the same.	
11	Warranty	Free Maintenance Services will be provided by the supplier during the period of warranty. After warranty period, Annual Maintenance and Repairs of the equipment supplied for next 24 months will be done by the Supplier.	
12	Special Condition	Any reasons, the supplier/manufacturer either changes or goes out of business, it must provide the Purchaser with design plans necessary for the alternative production of all needed spare parts and consumables. Manufactures/suppliers should provide a complete product Brochure having details of specification quoted.	
13	General Conditions of Supply	<ul style="list-style-type: none"> • The instrument and all its sub units should operate on 230 ± 10 volts 50 Hz power supply. • All the operation and maintenance manuals, circuit diagrams, application notes and application software to be supplied should be in English language. • The supplier / manufacturer should have Indian Facility to provide after sales service. • The main unit and all the sub units of the instrument should be serviced by the Indian representative of supplier. • In case of breakdown of the system, the servicing to be done immediately by the supplier during the warranty period Maximum down time period 4 working days. 	

Procurement of instruments / equipments for Gujarat Pollution Control Board Laboratories (Head Office & Regional Offices)

Code Number: LCB-17-11

Equipment Name: Flash Point Apparatus

Quantity: 03 (Three)

S. No.	Specifications	Requirement	BIDDER'S RESPONSE: (Bidder shall indicate 'Complied' or 'Non Complied' as applicable in each row. In case of 'Non Complied', mention details)
1.0	Description:	Portable, Electrically heated equipment to measure flash point of waste, oils, lubricating oils, waste fuels, petroleum products, water liquid, paints as per latest flash point ASTM Standards method ASTM D 5450 & D 7094.	
2.0	Controller	Microprocessor based process controller-cum-indicator. Flash point measurement by Continuously Closed Cup with RTD sensor.	
3.0	Sample volume	Small; 1 to 10 ml	
4.0	Ignition	Electric Arc ignition inside closed measuring chamber; Ignition transformer having O / P of 10.6 KV DC from 230 ± 10 V AC i/p.	
5.0	Temp. range	Upto 400° C	
6.0	Temp. readout & control	Digital, Built in temperature control	
7.0	Heater	800 Watt Electronic heater with energy regulator	
8.0	Flash Detector	Automatic Ionization principle based flame detector sensor with audible signals and on screen prompt	
9.0	Stirrer	At least two speed or more	
10.0	Measuring time	5-10 min per sample	
11.0	Pressure correction	Automatic	
12.0	Cooling	Force cooling facility	
13.0	Interface	<ul style="list-style-type: none"> • Computer & Printer • Connection for external keyboard or bar code reader 	
14.0	Calibration	Simple, factory calibrated with calibration certificate from NABL accredited calibration laboratory. Should be supplied with calibration Liquid – 2 bottles.	
15.0	Power Supply	230 V ± 10 V AC 50 Hz single phase	
16.0	Safety features	Fire safe with fire sensor over temperature cut out facility	
17.0	Accessories	Syringes, igniter, electrical cable, instruction manual (2 Nos.) calibrated thermometer from NABL accredited calibration laboratory	
18.0	Other Accessories	Sample cup 4 ml for ASTM D 6450 - 1 No. Sample cup 7 ml for ASTM D 7094 - 1 No. Sample cup carrier - 1 No. Stirring magnet - 6 Nos. Brass eraser - 2 Nos. Power supply cable RS232 printer cable	
19.0	Operation and Maintenance Training	The supplier has to impart on site operation training (all expenditure inclusive) at the time of installation to Scientists on operation and maintenance aspects of the application at the respective destination sites to the satisfaction of the trainees and Regional Officer / Lab Head. The trainees and Regional Officer / Lab Head	

Procurement of instruments / equipments for Gujarat Pollution Control Board Laboratories (Head Office & Regional Offices)			
Code Number: LCB-17-11			
Equipment Name: Flash Point Apparatus			
Quantity: 03 (Three)			
S. No.	Specifications	Requirement	BIDDER'S RESPONSE: (Bidder shall indicate 'Complied' or 'Non Complied' as applicable in each row. In case of 'Non Complied', mention details)
		have to certify the same.	
20.0	Warranty	Free Maintenance Services will be provided by the supplier during the period of warranty. After warranty period, Annual Maintenance and Repairs of the equipment supplied for next 24 months will be done by the Supplier.	
21.0	Special Condition	Any reasons, the supplier/manufacturer either changes or goes out of business, it must provide the Purchaser with design plans necessary for the alternative production of all needed spare parts and consumables. Manufactures/suppliers should provide a complete product Brochure having details of specification quoted.	
22.0	General Conditions of Supply	<ul style="list-style-type: none"> • The instrument and all its sub units should operate on 230 ± 10 volts 50 Hz power supply. • All the operation and maintenance manuals, circuit diagrams, application notes and application software to be supplied should be in English language. • The supplier / manufacturer should have Indian Facility to provide after sales service. • The main unit and all the sub units of the instrument should be serviced by the Indian representative of supplier. • In case of breakdown of the system, the servicing to be done immediately by the supplier during the warranty period Maximum down time period 4 working days. 	

Procurement of instruments / equipments for Gujarat Pollution Control Board Laboratories (Head Office & Regional Offices)			
Code Number: LCB-17-12			
Equipment Name: Flocculator (Jar Testing Apparatus)			
Quantity: 03 (Three)			
Sr. No	Specifications	Requirement	BIDDER'S RESPONSE: (Bidder shall indicate 'Complied' or 'Non Complied' as applicable in each row. In case of 'Non Complied', mention details)
1	Base Surface	Water and Corrosion Proof surface and Stable Base	
2	Stirrer	6 stirrers of S.S. with individual stirring speed facility	
3	Stirrer Blade (propeller)	Different 2 cm to 8 cm size of Blade (propeller) require	
4	Stirring Speed	15 to 250 rpm	
5	Controller display with Timer & Speed	LED or LCD Digital Timer and continuous operations Digital speed display and digital speed control	
6	Power	220 V AC	
8	Application	Use for proper mixing of suspension/solutions/samples for the analysis and sample preparation.	
9	Operation and Maintenance Training	The supplier has to impart on site operation training (all expenditure inclusive) at the time of installation to Scientists on operation and maintenance aspects of the application at the respective destination sites to the satisfaction of the trainees and Regional Officer / Lab Head. The trainees and Regional Officer / Lab Head have to certify the same.	
10	Warranty	Free Maintenance Services will be provided by the supplier during the period of warranty. After warranty period, Annual Maintenance and Repairs of the equipment supplied for next 24 months will be done by the Supplier.	
11	Special Condition	Any reasons, the supplier/manufacturer either changes or goes out of business, it must provide the Purchaser with design plans necessary for the alternative production of all needed spare parts and consumables. Manufactures/suppliers should provide a complete product Brochure having details of specification quoted.	
12	General Conditions of Supply	<ul style="list-style-type: none"> • The instrument and all its sub units should operate on 230 ± 10 volts 50 Hz power supply. • All the operation and maintenance manuals, circuit diagrams, application notes and application software to be supplied should be in English language. • The supplier / manufacturer should have Indian Facility to provide after sales service. • The main unit and all the sub units of the instrument should be serviced by the Indian representative of supplier. • In case of breakdown of the system, the servicing to be done immediately by the supplier during the warranty period Maximum down time period 4 working days. 	

Procurement of instruments / equipments for Gujarat Pollution Control Board Laboratories (Head Office & Regional Offices)			
Code Number: LCB-17-13			
Equipment Name: Global Positioning System (GPS)			
Quantity: 04 (Four)			
S. No.	Specifications	Requirement	BIDDER'S RESPONSE: (Bidder shall indicate 'Complied' or 'Non Complied' as applicable in each row. In case of 'Non Complied', mention details)
1.0	Description	The Global Positioning system should indicate and record the exact locations / points visited with a date-wise folder.	
2.0	Operating temperature	-10 ⁰ C to 50 ⁰ C.	
3.0	Data storage and display	Store and Digital Display Real Time positions in the portable device itself through secure digital SD card as well as in the Server and represent on the Indian Map.	
		Adequate Digital Data storage to enable GPS receivers to draw contour maps, plot the outré, Mark points of interest etc.	
4.0	Recording parameters	Time, Date, Location, Speed Heading, Latitude, Longitude and Altitude.	
5.0	Memory & Antenna	Built-in flash memory & multi directional Antenna	
6.0	Battery	Battery with a long life for storage of relevant information at least for few months.	
7.0	System features	System should be so designed as to cover entire country (India).	
		India's & World base map showing geographical boundaries should be in built with system and could support Multiple Indian Languages such as Hindi other than English.	
8.0	Operation and Maintenance Training	The supplier has to impart on site operation training (all expenditure inclusive) at the time of installation/supply to Scientists on operation and maintenance aspects of the application at the respective destination sites to the satisfaction of the trainees and Regional Officer / Lab Head. The trainees and Regional Officer / Lab Head have to certify the same.	
9.0	Warranty	Free Maintenance Services will be provided by the supplier during the period of warranty. After warranty period, Annual Maintenance and Repairs of the equipment supplied for next 24 months will be done by the Supplier.	
10.0	Special Condition	Any reasons, the supplier/manufacturer either changes or goes out of business, it must provide the Purchaser with design plans necessary for the alternative production of all needed spare parts and consumables. Manufactures/suppliers should provide a complete product Brochure having details of specification quoted.	
11.0	General Conditions of Supply	<ul style="list-style-type: none"> • The instrument and all its sub units should operate on 230 ± 10 volts 50 Hz power supply. • All the operation and maintenance manuals, circuit diagrams, application notes and application software to be supplied should be in English language. • The supplier / manufacturer should have Indian Facility to provide after sales service. • The main unit and all the sub units of the instrument should be serviced by the Indian representative of supplier. • In case of breakdown of the system, the servicing to be done immediately by the supplier during the warranty period Maximum down time period 4 working days. 	

Procurement of instruments / equipments for Gujarat Pollution Control Board Laboratories (Head Office & Regional Offices)			
Code Number:LCB-17-14			
Equipment Name: Hot Plate			
Quantity:03 (Three)			
S. No.	Specifications	Requirement	BIDDER'S RESPONSE: (Bidder shall indicate 'Complied' or 'Non Complied' as applicable in each row. In case of 'Non Complied', mention details)
1	Element rating	3K w with overload protection	
2	Size	30cm x 30cm	
3	Body	Teflon coated	
4	Indicator cum controller	Digital indicator cum controller with temperature regulator	
5	Temp. range	Ambient to 250 °C	
6	Accuracy	12°C	
7	Mains voltage	230 + or - 10 Volts AC	
8	General	Should produce calibration from third party valid for one year	
9	Operation and Maintenance Training	The supplier has to impart on site operation training (all expenditure inclusive) at the time of installation to Scientists on operation and maintenance aspects of the application at the respective destination sites to the satisfaction of the trainees and Regional Officer / Lab Head. The trainees and Regional Officer / Lab Head have to certify the same.	
10	Warranty	Free Maintenance Services will be provided by the supplier during the period of warranty. After warranty period, Annual Maintenance and Repairs of the equipment supplied for next 24 months will be done by the Supplier.	
11	Special Condition	Any reasons, the supplier/manufacturer either changes or goes out of business, it must provide the Purchaser with design plans necessary for the alternative production of all needed spare parts and consumables. Manufactures/suppliers should provide a complete product Brochure having details of specification quoted.	
12	General Conditions of Supply	<ul style="list-style-type: none"> • The instrument and all its sub units should operate on 230 ± 10 volts 50 Hz power supply. • All the operation and maintenance manuals, circuit diagrams, application notes and application software to be supplied should be in English language. • The supplier / manufacturer should have Indian Facility to provide after sales service. • The main unit and all the sub units of the instrument should be serviced by the Indian representative of supplier. • In case of breakdown of the system, the servicing to be done immediately by the supplier during the warranty period Maximum down time period 4 working days. 	

Procurement of instruments / equipments for Gujarat Pollution Control Board Laboratories (Head Office & Regional Offices)			
Code Number: LCB-17-15			
Equipment Name: Magnetic Stirrer with hot plate			
Quantity: 03 (Three)			
S. No.	Specifications	Requirement	BIDDER'S RESPONSE: (Bidder shall indicate 'Complied' or 'Non Complied' as applicable in each row. In case of 'Non Complied', mention details)
1.0	Description	Heat adjustable, Magnetic Stirrer with stirring facility of Liquid using various sizes of immersible Teflon coated stirring magnetic bars with hot plate	
2.0	Speed range	100 to 1000 rpm	
3.0	Number of stirring position	One	
4.0	Maximum stirring volume	Two Liters	
5.0	Temperature range	25 to 200° C	
6.0	Top plate material	Stainless steel / Ceramic	
7.0	Stirring magnetic bars / paddles	Teflon coated; 12 mm, 25 mm and 35 mm length	
8.0	Power supply	230 ± 10 V 50 Hz AC	
9.0	Operation and Maintenance Training	The supplier has to impart on site operation training (all expenditure inclusive) at the time of installation to Scientists on operation and maintenance aspects of the application at the respective destination sites to the satisfaction of the trainees and Regional Officer / Lab Head. The trainees and Regional Officer / Lab Head have to certify the same.	
10.0	Warranty	Free Maintenance Services will be provided by the supplier during the period of warranty. After warranty period, Annual Maintenance and Repairs of the equipment supplied for next 24 months will be done by the Supplier.	
11.0	Special Condition	Any reasons, the supplier/manufacturer either changes or goes out of business, it must provide the Purchaser with design plans necessary for the alternative production of all needed spare parts and consumables. Manufactures/suppliers should provide a complete product Brochure having details of specification quoted.	
12.0	General Conditions of Supply	<ul style="list-style-type: none"> • The instrument and all its sub units should operate on 230 ± 10 volts 50 Hz power supply. • All the operation and maintenance manuals, circuit diagrams, application notes and application software to be supplied should be in English language. • The supplier / manufacturer should have Indian Facility to provide after sales service. • The main unit and all the sub units of the instrument should be serviced by the Indian representative of supplier. • In case of breakdown of the system, the servicing to be done immediately by the supplier during the warranty period Maximum down time period 4 working days. 	

Procurement of instruments / equipments for Gujarat Pollution Control Board Laboratories (Head Office & Regional Offices)			
Code Number: LCB-17-16			
Equipment Name: Niskin Water Sampler			
Quantity: 02 (Two)			
Sr. No	SPECIFICATION	REQUIREMENT	BIDDER'S RESPONSE: (Bidder shall indicate 'Complied' or 'Non Complied' as applicable in each row. In case of 'Non Complied', mention details)
1.0	APPLICATION	Collection of water sample from deep sea / deep inland water bodies.	
2.0	COMPOSITION	<ul style="list-style-type: none"> - Main Niskin water sampler One Unit - Devil Messenger One Unit - Cable 6 mm / Rope set-One Unit - Operation Manual-One unit 	
3.0 TECHNICAL SPECIFICATIONS			
3.1	Sampler Construction	Non metallic (preferable Teflon) free flushing sampling bottle activated by devil messenger.	
3.2	Sampler Volume	5 ltr	
3.3	Sampler mounting	Cable clamps stainless steel material Stainless steel spring with polyester resin coating Steel clamps	
3.4	End closer	Stopper with spherical section sealing surface held firmly against O ring seal -by Stainless steel spring.	
3.5	Drainage	Air vents screw at top stop cock at base for rapid drainage.	
3.7	Accessories	All essential accessories and spares for satisfactory operation of the sampler along with the operation manual	
4.0	Operation and Maintenance Training	The supplier has to impart on site operation training (all expenditure inclusive) at the time of installation/supply to Scientists on operation and maintenance aspects of the field application at the respective destination sites to the satisfaction of the trainees and Regional Officer / Lab Head. The trainees and Regional Officer / Lab Head have to certify the same.	
5.0	Warranty	Free Maintenance Services will be provided by the supplier during the period of warranty. After warranty period, Annual Maintenance and Repairs of the equipment supplied for next 24 months will be done by the Supplier.	
6.0	Special Condition	Any reasons, the supplier/manufacturer either changes or goes out of business, it must provide the Purchaser with design plans necessary for the alternative production of all needed spare parts and consumables. Manufactures/suppliers should provide a complete product Brochure having details of specification quoted.	
7.0	General Conditions of Supply	<ul style="list-style-type: none"> • The instrument and all its sub units should operate on 230 ± 10 volts 50 Hz power supply. • All the operation and maintenance manuals, circuit diagrams, application notes and application software to be supplied should be in English language. • The supplier / manufacturer should have Indian Facility to provide after sales service. • The main unit and all the sub units of the instrument should be serviced by the Indian representative of supplier. • In case of breakdown of the system, the servicing to be done immediately by the supplier during the warranty period Maximum down time period 4 working days. 	

Procurement of instruments / equipments for Gujarat Pollution Control Board Laboratories (Head Office & Regional Offices)			
Code Number: LCB-17-17			
Equipment Name: Process Stack Kit (Handy Sampler)			
Quantity: 07 (Seven)			
S. No.	Specifications	Requirement	BIDDER'S RESPONSE: (Bidder shall indicate 'Complied' or 'Non Complied' as applicable in each row. In case of 'Non Complied', mention details)
1	Suction Pump	Built-in / Rotary vane type.	
2	Sampling Rate	0.5 - 1 LPM	
3	Rotameter	0 – 3 LPM wit Needle Valves to control flow	
4	Timer (Battery Operated)	3 digit display in minutes ; with provision of display of total run time & delay time	
5	Battery	Rechargeable maintenance free battery	
6	Running Time	1 – 999 Min	
7	Delay Time	1 – 99 Min	
8	Power Supply	220V (+/-) 10V AC, 50Hz with Battery charger and Rechargeable Batteries (4AH).	
9	Operation Time	10 hours with full charge	
10	Charge time	15 hours or less.	
11	Sampling Housing Train	Consisting of 3 nos., 35 ml glass impingers kept in ice tray connected with inert Silicone tubing.	
12	Other	The instruments size should be handy (Maximum 30 cm x 30 cm x 30 cm) with handling belt and case for easy movements	
13	Operation and Maintenance Training	The supplier has to impart on site operation training (all expenditure inclusive) at the time of installation to Scientists on operation and maintenance aspects of the application at the respective destination sites to the satisfaction of the trainees and Regional Officer / Lab Head. The trainees and Regional Officer / Lab Head have to certify the same.	
14	Warranty	Free Maintenance Services will be provided by the supplier during the period of warranty. After warranty period, Annual Maintenance and Repairs of the equipment supplied for next 24 months will be done by the Supplier.	
15	Special Condition	Any reasons, the supplier/manufacturer either changes or goes out of business, it must provide the Purchaser with design plans necessary for the alternative production of all needed spare parts and consumables. Manufactures/suppliers should provide a complete product Brochure having details of specification quoted.	
16	General Conditions of Supply	<ul style="list-style-type: none"> • The instrument and all its sub units should operate on 230 ± 10 volts 50 Hz power supply. • All the operation and maintenance manuals, circuit diagrams, application notes and application software to be supplied should be in English language. • The supplier / manufacturer should have Indian Facility to provide after sales service. • The main unit and all the sub units of the instrument should be serviced by the Indian representative of supplier. • In case of breakdown of the system, the servicing to be done immediately by the supplier during the warranty period Maximum down time period 4 working days. 	

Procurement of instruments / equipments for Gujarat Pollution Control Board Laboratories (Head Office & Regional Offices)			
Code Number: LCB-17-18			
Equipment Name: Salinity meter (Refracto Metter)			
Quantity: 09 (Nine)			
Sr. No	Specification	Requirement	BIDDER'S RESPONSE: (Bidder shall indicate 'Complied' or 'Non Complied' as applicable in each row. In case of 'Non Complied', mention details)
1	Range	0-100% (per mill)	
2	Resolution	U	
3	Accuracy	U	
4	Display	LCD	
5	Operating Temperature	5° C to 70° C	
6	Power Supply	9V x 1EA	
7	Weight	Approx. 1 kg	
8	Desirable features	Automatic calibration. Measuring range 0 to 100%, Light weight, Automatic temperature compensation, Compact and rugged housing, Built-in low battery indicator	
9	Operation and Maintenance Training	The supplier has to impart on site operation training (all expenditure inclusive) at the time of installation to Scientists on operation and maintenance aspects of the application at the respective destination sites to the satisfaction of the trainees and Regional Officer / Lab Head. The trainees and Regional Officer / Lab Head have to certify the same.	
10	Warranty	Free Maintenance Services will be provided by the supplier during the period of warranty. After warranty period, Annual Maintenance and Repairs of the equipment supplied for next 24 months will be done by the Supplier.	
11	Special Condition	Any reasons, the supplier/manufacturer either changes or goes out of business, it must provide the Purchaser with design plans necessary for the alternative production of all needed spare parts and consumables. Manufactures/suppliers should provide a complete product Brochure having details of specification quoted.	
12	General Conditions of Supply	<ul style="list-style-type: none"> The instrument and all its sub units should operate on 230 ± 10 volts 50 Hz power supply. All the operation and maintenance manuals, circuit diagrams, application notes and application software to be supplied should be in English language. The supplier / manufacturer should have Indian Facility to provide after sales service. The main unit and all the sub units of the instrument should be serviced by the Indian representative of supplier. In case of breakdown of the system, the servicing to be done immediately by the supplier during the warranty period Maximum down time period 4 working days. 	

Procurement of instruments / equipments for Gujarat Pollution Control Board Laboratories (Head Office & Regional Offices)			
Code Number: LCB-17-19			
Equipment Name: Ultrasonic Water Bath			
Quantity: 01 (One)			
S. No.	Specifications	Requirement	BIDDER'S RESPONSE: (Bidder shall indicate 'Complied' or 'Non Complied' as applicable in each row. In case of 'Non Complied', mention details)
1	Electric Supply	170 - 245 VAC 50Hz Single Phase	
2	Tank Capacity	Capacity: 9.0 liters	
3	Ultrasonic Power	200-500 Watts (Average), 1000 watts (Peak)	
4	Ultrasonic Frequency	33 - 40 +/- 3 KHz	
5	Ultrasonic Generator	Micro Controller based generator with latest MOSFET based technology. With automatic frequency tuning for maximum output.	
6	Timer	Digital display 0 - 90 minutes or 5 -60 minutes timer	
7	Temperature Control (Optional)	Digital temperature controller with display up to 65 deg C	
8	Transducers	PZT Sandwich type, bonded on the base of S.S. Tank, Crystal used of PZT4 and Morgon Make. High temperature & good quality wires for Connection & epoxy for bonding of transducers are used.	
9	Tank Material of Construction (MOC)	Stainless Steel 316 grade & buffed form inside. 1.6mm Thickness	
10	Drain Value	1/2" • Ball Value is provided for cleaning the tank.	
11	Tank housing MOC	Stainless Steel 304 Grade & buffed form , Outer SS.	
12	Supplied with	Lid, Basket, Power Cord And Operational & Instructional Manual etc.	
13	Operation and Maintenance Training	The supplier has to impart on site operation training (all expenditure inclusive) at the time of installation to Scientists on operation and maintenance aspects of the application at the respective destination sites to the satisfaction of the trainees and Regional Officer / Lab Head. The trainees and Regional Officer / Lab Head have to certify the same.	
14	Warranty	Free Maintenance Services will be provided by the supplier during the period of warranty. After warranty period, Annual Maintenance and Repairs of the equipment supplied for next 24 months will be done by the Supplier.	
15	Special Condition	Any reasons, the supplier/manufacturer either changes or goes out of business, it must provide the Purchaser with design plans necessary for the alternative production of all needed spare parts and consumables. Manufactures/suppliers should provide a complete product Brochure having details of specification quoted.	
16	General Conditions of Supply	<ul style="list-style-type: none"> • The instrument and all its sub units should operate on 230 ± 10 volts 50 Hz power supply. • All the operation and maintenance manuals, circuit diagrams, application notes and application software to be supplied should be in English language. • The supplier / manufacturer should have Indian Facility to provide after sales service. • The main unit and all the sub units of the instrument should be serviced by the Indian representative of supplier. • In case of breakdown of the system, the servicing to be done immediately by the supplier during the warranty period Maximum down time period 4 working days. 	

Procurement of instruments / equipments for Gujarat Pollution Control Board Laboratories (Head Office & Regional Offices)

Code Number: LCB-17-20

Equipment Name: Vanveen Sediment Grab Sampler

Quantity: 01 (One)

Sr. No	SPECIFICATION	REQUIREMENT	BIDDER'S RESPONSE: (Bidder shall indicate 'Complied' or 'Non Complied' as applicable in each row. In case of 'Non Complied', mention details)
1.0	Application	For collecting bottom sediments for biological, hydrological and environmental studies.	
2.0	Composition	Stainless steel and the surface is electro polished. Manufactured from 4 mm plate.	
3.1	Sample area / Dimensions	200 mm x 200 mm with height of 120 mm	
3.2	Materials	Stainless steel 4 mm thickness	
3.3	Max operation weight	8.5 kg incl. 4 x 0.5 kg lead weights	
3.4	Accessories	All essential accessories and spares for satisfactory operation of the sampler along with the operation manual	
4.0	Operation and Maintenance Training	The supplier has to impart on site operation training (all expenditure inclusive) at the time of installation/supply to Scientists on operation and maintenance aspects of the field application at the respective destination sites to the satisfaction of the trainees and Regional Officer / Lab Head. The trainees and Regional Officer / Lab Head have to certify the same.	
5.0	Warranty	Free Maintenance Services will be provided by the supplier during the period of warranty. After warranty period, Annual Maintenance and Repairs of the equipment supplied for next 24 months will be done by the Supplier.	
6.0	Special Condition	Any reasons, the supplier/manufacturer either changes or goes out of business, it must provide the Purchaser with design plans necessary for the alternative production of all needed spare parts and consumables. Manufactures/suppliers should provide a complete product Brochure having details of specification quoted.	
7.0	General Conditions of Supply	<ul style="list-style-type: none"> • The instrument and all its sub units should operate on 230 ± 10 volts 50 Hz power supply. • All the operation and maintenance manuals, circuit diagrams, application notes and application software to be supplied should be in English language. • The supplier / manufacturer should have Indian Facility to provide after sales service. • The main unit and all the sub units of the instrument should be serviced by the Indian representative of supplier. • In case of breakdown of the system, the servicing to be done immediately by the supplier during the warranty period Maximum down time period 4 working days. 	

Procurement of instruments / equipments for Gujarat Pollution Control Board Laboratories (Head Office & Regional Offices)

Code Number: LCB-17-21

Equipment Name: Water Bath

Quantity: 03 (Three)

S. No.	Specifications	Requirement	BIDDER'S RESPONSE: (Bidder shall indicate 'Complied' or 'Non Complied' as applicable in each row. In case of 'Non Complied', mention details)
1	Temperature range	Ambient to 100°C	
2	Accuracy	± 1°C	
3	Display	Digital	
4	outer	Powder coated Aluminum	
5	Inner Bath	SS only (30x20) LxB	
6	Size and Shape	Rectangular size with capacity 20 Liters	
7	Lids	Lids of 5 sizes	
8	Mains voltage	230 ± 10 Volts AC	
9	General	To produce calibration certificate from third party valid for one year. Warranty Three years from the date of installation.	
10	Operation and Maintenance Training	The supplier has to impart on site operation training (all expenditure inclusive) at the time of installation to Scientists on operation and maintenance aspects of the application at the respective destination sites to the satisfaction of the trainees and Regional Officer / Lab Head. The trainees and Regional Officer / Lab Head have to certify the same.	
11	Warranty	Free Maintenance Services will be provided by the supplier during the period of warranty. After warranty period, Annual Maintenance and Repairs of the equipment supplied for next 24 months will be done by the Supplier.	
12	Special Condition	Any reasons, the supplier/manufacturer either changes or goes out of business, it must provide the Purchaser with design plans necessary for the alternative production of all needed spare parts and consumables. Manufactures/suppliers should provide a complete product Brochure having details of specification quoted.	
13	General Conditions of Supply	<ul style="list-style-type: none"> • The instrument and all its sub units should operate on 230 ± 10 volts 50 Hz power supply. • All the operation and maintenance manuals, circuit diagrams, application notes and application software to be supplied should be in English language. • The supplier / manufacturer should have Indian Facility to provide after sales service. • The main unit and all the sub units of the instrument should be serviced by the Indian representative of supplier. • In case of breakdown of the system, the servicing to be done immediately by the supplier during the warranty period Maximum down time period 4 working days. 	

CHECK LIST FOR THE BIDDER

1. Bid on original Tender form only.
2. Separate EMD against each item.
3. Earnest money or necessary documentary proof for exemption of earnest money with the part 1 of the bid.
4. Price bid must be Part II of the bid in the form provided at Annexure II of the tender document.
5. The Basic Price, Taxes, Packing, Forwarding, Handling, Transportation Insurance, Installation charges etc. must be quoted clearly. Do not use vague terms like “As Actual, Approximately etc”.
6. Do not use the terms As per Specification of Tender Documents’ in respect of instruments. There should be proper write up of production quoted for supported with printed leaflets literature.
7. In case of bidders desirous to quote more than one item, separate envelop should be submitted (technical & price bid) for individual item super scribing item code number and name.
8. **With technical bid, the bidder should provide a copy of the price bid format (giving details of the items, accessories, spares etc.) without specifying the price other than one mentioned in annexure- II of this tender document.**