



RAJASTHAN STATE POLLUTION CONTROL BOARD

4, Institutional Area, Paryavaran Marg, Jhalana Doongari, Jaipur- 302004 Rajasthan

Phone: +91-0141 5159802, EPBAX 5159600, 5159699, FAX: +91-0141 5159694-97

Website: <http://www.rpcb.nic.in>, email: member-secretary@rpcb.nic.in

NIB No. -F-11(592)RSPCB/LAB/INSTRUMENTS/2020-21/01, Dated ___/___/___

1. Online Bids are invited by Rajasthan State Pollution Control Board, Jaipur from manufacturers/authorized dealers in India and Abroad for the supply of Laboratory Instruments / Equipments as mentioned below:-

S.N.	Name of Items	Qty	S.N.	Name of Items	Qty	S.N.	Name of Items	Qty
1	Autoclave	12	13	Heating Mantle of 1 kW	32	25	Semi Micro Balance	23
2	Bacteriological Incubator	12	14	High Volume Air Sampler	34	26	Specific Ion Meter (Ion Analyzer)	6
3	BOD Incubator	12	15	Hot Air Oven	12	27	Stack Monitoring Kit	21
4	COD Digester with Air Condensers	14	16	Hot Plate with Magnetic Stirrer	17	28	Total Kjeldahl Nitrogen Analyzer (TKN)	6
5	Conductivity Meter (Bench Top Model)	12	17	Laminar Air Flow	6	29	Turbidity Meter (Bench Top Model)	6
6	Deep Freezer	16	18	Muffle Furnace	11	30	UV-Visible Spectrophotometer (PC Controlled)	7
7	Digital Portable Barometer	17	19	Multi Parameter Water Quality Analyzer Kit	16	31	Visible Spectrophotometer	14
8	Dissolved Oxygen (DO) Meter	6	20	Noise Level Meter	32	32	Water Bath(Thermostatic)	7
9	Filtration assembly with suction system for Suspended Solids	11	21	Orsat Gas Apparatus	17	33	Water Double Distillation Unit	11
10	Flame Photometer	6	22	pH meter Bench type	13	34	Washer (Laboratory Glassware)	18
11	Fume Hood	21	23	Portable Petrol Engine Generator (3 KVA)	32	Total Quantity =537 Nos.		
12	Global Position System (GPS)	17	24	Respirable Dust Samplers	40			

2. Important Steps /Dates:-

S.No.	Particulars	Date/Place/Amount in Rs.
1.	Name and Address of Procuring entity	Member Secretary, Rajasthan State Pollution Control Board, 4, Institutional Area, Paryavaran Marg, Jhalana Doongari, Jaipur-302004
2.	Title of Procurement	Supply of Instrument / Equipments For Central and Regional Laboratories of Rajasthan State Pollution Control Board.
3.	Bid Procedure	Single Stage: - Technical Bid in one cover /envelope and financial bid in the other cover /envelope.
4.	Website for downloading bidding documents, corrigendum's, addendums etc.	http://eproc.rajasthan.gov.in , https://sppp.rajasthan.gov.in/ http://www.environment.rajasthan.gov.in . However, bid is to be submitted only through the website http://eproc.rajasthan.gov.in or https://sppp.rajasthan.gov.in .
5.	Estimated Tender Cost	631.67 Lac
6.	Amount in Rs of EMD in DD/Pay Order	12.64 Lac (Rounded)
7.	Date of Availability of Bid Document On Website	10.07.2020, 9:30 am
8.	Bid Submission Start Date	10.07.2020
9.	Last Date of Submission of Bid	10.08.2020, 6:00 pm
10.	Date of Submission of Original Demand Draft for Bid Security and Processing Fees at RSPCB HO.	10.08.2020, 6:00 pm
11.	Time /Date/Place of Opening of Technical Bid	Date and Time:- 11.08.2020 at 3:00 pm
12.	Time /Date/Place of Opening of Financial Bid	Date and Time:- To be communicated later on only to technically qualified bidders through e-mail only.
13.	Place of Opening of Technical Bid /Financial Bid	4, Institutional Area, Paryavaran Marg, Jhalana Doongari, Jaipur
14.	Bid Validity	120 Days from the bid submission deadline.
15.	Bid Fee in Favour of Member Secretary, RSPCB, Jaipur	Rs. 5000/-
16.	Processing Fee in Favour of MD, RSPCB, Jaipur	Rs. 1000/-

i. The Member Secretary (Procuring Authority), RSPCB, Jaipur reserves the right to accept or reject any Bid, and to cancel the bidding process and reject all Bids at any time prior to award of contract, without assigning any reason.

ii. The detailed terms & conditions with specifications of equipments/instruments and bid document may be downloaded from website The provisions of RTTP Act, 2012 & Rules, 2013, there to shall be applicable for this procurement, further move, in case of any inconsistency in any of the provision of this bidding documents with the RTTP Act 2012, & Rules 2013, there to the later shall prevail.

Member Secretary



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BID NOTICE No. RSPCB/LAB/INSTRUMENTS/2020-21/01, dated --/--/----

**Online-Bid Document
For Supply of
Instrument / Equipments
For Central and Regional Laboratories
of
Rajasthan State Pollution Control Board**



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Member Secretary



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General Terms and Conditions of Bid



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1. SUBMISSION OF BID

- 1.0 Bidder (Any person/ firm/ agency/ company/ contractor/ supplier/ vendor/ consortium participating in the procurement/ bidding process with the procurement entity. **In case of Consortium, the bidder is referred to any/both of the partner(s) throughout the bidding document and aggregate eligibility would be considered.**) shall submit their offer on line in Electronic formats both for technical and financial proposal However, DD for Bid Fees, RISL processing Fees is **Rs. 1000/-** and Bid Security amount for instrument/equipments should be submitted physically at the office of Biding Authority as prescribed in Notice Inviting Bid and scanned copy of same should also be uploaded along with the technical Bid cover.
- 1.1 **The Bidders have to quote for all the items mentioned in Bid document.**
- 1.2 **In case Bidder fails to quote for all the items mentioned in Bid document his Bid will not be considered and will be rejected.**
- 1.3 **Consortium of maximum three Bidders is allowed.**
- 1.4 In case any of the bidders fails to physically submit the Banker's Cheque/Demand Draft for Bid Fee, Bid Security and RISL processing Fee up to <time>, its Bid shall not be accepted. The Banker's Cheque/Demand Draft for Bidding document fee and Bid Security should be drawn in favour of Member secretary, Rajasthan State Pollution Control Board "and the RISL processing Fee in favour of "Managing Director, Raj COMP Info Services Ltd" payable at' Jaipur " from any Scheduled Commercial Bank.
- 1.5 To participate in online bidding process, Bidders must procure a Digital Signature Certificate (Type III as per Information Technology Act,2000 using which they can digitally sign their electronic bids. Bidders can procure the same from any CCA approved certifying agency. i.e. TCS, Safecrypt, Noode etc. Bidders who already have a valid Digital Signature Certificate (DSC) need not procure a new DSC. Also, bidders must be registered on <http://eproc.Rajasthan.gov.in>.
- 1.6 Board will not be responsible for delay in online submission due to any reason. For this, bidders are requested to upload the complete bid well advance in time so as to avoid 11th hour issues like slow speed, choking of web site due to heavy load or any other unforeseen problems.
- 1.7 Bidders are also advised to refer "Bidders Manual Kit" available at eproc website for further details about the e-Bidding process.
- 1.8 Training for the bidders on the usage of e-Biding System (e-Procurement) is also being arranged by DoIT&C on a regular basis Bidders interested for training may contact e_Procurement Cell, DoIT&C for booking the training slot. **Contact No. 0141-4022688** (Help desk 10 AM to 6 PM on all working days) E-mail eproc @ rajasthan.gov.in.
- 1.9 Bid can be viewed on both website <http://eproc.rajasthan.gov.in>., <http://sppp.raj.nic.in>. and <http://www.environment.rajasthan.gov.in/> However, bid is to be submitted only through the website <http://eproc.rajasthan.gov.in>.
- 1.10 The Bid Document is not transferable by the purchaser. The bid form in the bid document at **Annexure - II** will be used for technical bid. **EACH PAGE OF THE BID MUST BE DIGITALLY SIGNED BY THE BIDDER.** The price bid must be in the form provided herewith at **Annexure - III**.



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- 1.11 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. The check list for submission of bid is available at **Annexure – XII.**
 - 1.12 The bidder is expected to examine all instructions, forms, terms and conditions and specifications mentioned in the bid document carefully. Failure to furnish all information required by the bid documents or submission of a bid not substantially responsive to the bid document in every respect will be at the bidder's risk and may result in the rejection of its bid.
 - 1.13 The Board at its discretion may extend the last date of submission of bid and opening of bids. The final authority for acceptance of a Bid will rest with the Member Secretary, Rajasthan State Pollution Control Board who does not bind himself to accept the lowest bid and may accept or reject any or all of the bids received without assigning any reason.
 - 1.14 Documents, literature, diagrams / leaflets, original catalogue of equipment and samples etc., enclosed/ upload with the bids shall become the property of the Board without any cost.
 - 1.15 The prices should be quoted both in words and figures.
 - 1.16 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.
 - 1.17 If there is discrepancy between words and figures, the amount in words will prevail.
 - 1.18 If there is an error in a total corresponding to the addition or subtraction of subtotals, the subtotals shall prevail and the total shall be corrected; and
 - 1.19 If the Bidder that submitted the lowest evaluated Bid does not accept the correction of errors, its Bid shall be disqualified and its Bid Security amount shall be **forfeited.**
 - 1.20 At any time prior to the deadline for submission of bids, the buyer may, for any reason, whether at its own initiative or in response to a clarification requested by a prospective Bidder, modify the bidding documents by an amendment.
2. **WARRANTY: The comprehensive warranty period will be for thirty six months** starting from the date of successful commissioning of the instrument. Under this warranty, upon the receipt of such notice, supplier / agent shall, within the three working days specified, repair /replace the defective instrument or spare parts thereof at the ultimate destination from the date of issue of request letter for repairing. 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 to the left over period of warranty. **The comprehensive warranty includes maintenance of equipments including spare parts etc. except consumables.**
- Calibration:- During warranty period, supplier is required to provide calibration certificate without any cost.**



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3. The nomenclature of the instruments and spares will invariably be same in Performa Invoice, Invoice, Packing list and all other relevant papers, in case the Bidder is awarded with the purchase order for supply against its offer.
4. **The authorized Indian agent/Representative should have minimum Three years continuous agency/ partnership/ joint venture/ participation or collaboration with their principal foreign supplier.** The documentary proof of such agency / authorization/ MOU should be submitted along with the technical part. If the bid of the firm does not contain the proof of such nomination/authorization, Indian agent will be rejected.
5. The list of instruments/equipments, their approximate quantity and point of delivery are given at **Annexure-V and VI** and the detailed specifications of the instrument are given in the bid document. The quantity mentioned in the bid document may be increased or decreased at the discretion of the Competent Authority in the Board without assigning any reason.
6.
 - i. The items have to be supplied in standard packing. The foreign supplier should use the minimum possible packets and should reduce the size of the packing in volume to avoid extra demurrage in the bonded warehouse in India, if any. 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 Central Laboratory, RSPCB Office at Jhalana Doongari, Institutional Area, Jaipur. Please note that Performa Invoice must be separate for each item code (instrument / equipment).
 - ii. The bidder shall be responsible for the proper packing so as to avoid damage under normal conditions of transport by sea, rail and road or air and delivery of the material in good condition to the consignee at destination. In the event of any loss, damage, breakage or leakage or any shortage the bidder shall be liable to make good condition such loss and shortage found at the checking/inspection of the materials by the consignee. **“No extra cost” on such account shall be admissible.**

CHANGES IN THE BIDDING DOCUMENT

At any time, prior to the deadline for submission of Bids, the RSPCB may for any reason, whether on its own initiative or as a result of a request for clarification by a bidder, modify the bidding documents by issuing an addendum in accordance with the provisions below:

- i. In case, any modification is made to the bidding document or any clarification is issued which materially affects the terms contained in the bidding document, the RSPCB shall publish such modification or clarification in the same manner or only on website as the publication of the initial bidding document.
 - ii. In case, a clarification or modification is issued to the bidding document, the RSPCB may, prior to the last date for submission of Bids, extend such time limit in order to allow the bidders sufficient time to take into account the clarification or modification, as the case may be, while submitting their Bids.
7. **FORMAT AND SIGNING OF BIDS**
- a) Bidders must submit their bids online at e-Procurement portal i.e. <http://eproc.rajasthan.gov.in>.
 - b) All the documents uploaded should be digitally signed with the DSC of authorized signatory and uploaded only in PDF format with clear readability and prescribed file name as mentioned in the table below.
 - c) (i) Single stage Two part/ cover system shall be followed for the Bid: -
Technical Bid, including fee details, eligibility & technical documents.
The **Technical Bid** shall consist of the following documents: -



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S. No.	Documents Type	Document Format
Fee Details		
1.	Bidding document Fee (Bid Fee), RISL Processing Fee (e-Procurement), and Bid Security	Instrument/ Proof of submission (pdf) As per <u>Annexure-V</u> (pdf)
Eligibility Documents		
2.	Application Form	As per <u>Annexure-I</u> (pdf)
3.	Bidder's Authorisation Certificate	As per <u>Annexure- XV</u> and copy of PO/ Board resolution stating that Auth. Signatory (DSC holder) can sign the bid/ contract on behalf of the firm.(pdf)
4.	All the documents mentioned in the "Eligibility Criteria", in support of the eligibility	As per the format mentioned against the respective Pre – Qualification eligibility criteria clause (ELIGIBILITY.pdf)
Technical Documents		
5.	Technical bid form with No Deviation to be submitted by the bidder	As per <u>Annexure-II</u> (pdf)
6.	Declaration by the Bidder	As per <u>Annexure-XVI</u> (pdf)
7.	Undertaking on Authenticity of Equipments by the manufacturer	As per <u>Annexure-XI</u> (pdf)
8.	Undertaking by the bidder	As per <u>Annexure-IV</u> (pdf)
9.	Check- List of documents attached	As per <u>Annexure-XII</u> (pdf)

c) (ii) **Financial Bid :-** Financial bid shall include the following documents-

S. No.	Documents Type	Document Format
1.	Financial Bid – Covering Letter	On bidder's letter head duly signed by authorized signatory as per <u>Annexure-XVII</u> (pdf)
2.	Financial Bid - Format	As per BoQ (xls) format available on e-Procurement portal As per <u>Annexure-III</u> (xls)

- d) The bidder should ensure that all the required documents, as mentioned in this bidding document, are submitted along with the Bid and in the prescribed format only. Non-submission of the required documents or submission of the documents in a different format/ contents may lead to the rejection of the Bid submitted by the bidder.
- e) The financial bid and AMC charge **should be** submitted online in BoQ format only, otherwise financial bid **will not be** considered.

8. DEADLINE FOR THE SUBMISSION OF BIDS:-

- a) **Bids shall be received online at e-Procurement portal and up to the time and date specified in the notice inviting bid.**
- b) Normally, the date of submission and opening of Bids would not be extended. In exceptional circumstances or when the bidding document are required to be substantially modified or otherwise and the time with the prospective bidders for preparation of Bids appears insufficient, the date may be extended by the RSPCB. In such case the publicity of extended time and date shall be given in the manner, as was given at the time of issuing the original notice inviting bid and shall also be placed on the State Public Procurement Portal, if applicable. It would be ensured that after issue of corrigendum, reasonable time is available to the bidders for preparation and submission of their Bids. The RSPCB shall also publish such modifications in the bidding document in the same manner as the publication of initial bidding document.



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If, in the office of the Bids opening authority, the last date of submission or opening of Bids is a non-working day, the Bids shall be opened on the next working day on same time.

9. WITHDRAWAL, SUBSTITUTION, AND MODIFICATION OF BIDS

- a) If permitted on e-Procurement portal, a Bidder may withdraw its Bid or re-submit its Bid (technical and/ or financial cover) as per the instructions/ procedure mentioned at e-Procurement website under the section "**Bidder's Manual Kit**".
- b) Bids withdrawn shall not be opened and processed further.
- c) No bid shall be withdrawn, substituted, or modified after the due time and date fixed for receipt of bids.

10. The Bidders are requested to quote the rates item-wise for each equipment on F.O.R. destination basis including total price of each instrument separately indicating the Govt. levies and other expenditure item-wise. **The freight charges and insurance charges will be borne by the supplier in both cases of imported items and Indian goods.**

For indigenous items supplied by Indian firms, the rate should be F.O.R. Central /Regional laboratories of RSPCB. Excise Duty excluded price should be quoted as necessary exemption certificate as applicable will be supplied by the Board. **Taxes and other levies, insurance freight etc.** if any, should be indicated separately, also **No C/D form will be issued by the Board for GST.**

11. **IMPORTANT: The bidder is required to download and submit bid documents for instrument / equipment.**

Bidder is expected to examine the bidding documents carefully and is deemed to have received and read all relevant documents.

The Supplier should attach a copy of financial bid / Performa Invoice of the Instrument quoted (without cost / price figures) along with the technical bid to assess the item / components quoted in the bid. The bidder will give the undertaking (Annexure - IV) that he or his authorize dealer will service / repair the equipment during guaranty / warranty / maintenance contract.

12. **PROCURING ENTITY'S RIGHT TO VARY QUANTITIES (Repeat Order)**

- (i) At the time of award of contract, the quantity of Goods, works or services originally specified in the Bidding Document may be increased or decreased by a specified percentage, but such increase or decreases **shall not exceed twenty percent**, of the quantity specified in the Bidding Document. It shall be without any change in the unit prices or other terms and conditions of the Bid and the conditions of contract.
- (ii) If the Procuring Entity does not procure any subject matter of procurement or procures less than the quantity specified in the Bidding Document due to change in circumstances, the Bidder shall not be entitled for any claim or compensation except otherwise provided in the Conditions of Contract.
- (iii) In case of procurement of Goods or services, additional quantity may be procured by placing a repeat order on the rates and conditions of the original order. However, the additional quantity shall not be **more than 25% of the value of Goods** of the original contract and shall be within one month from the date of expiry of last supply. If the Supplier fails to do so, the Procuring Entity shall be free to arrange for the balance supply by limited Bidding or otherwise and the extra cost incurred shall be recovered from the Supplier.

13. **BID SECURITY/ PERFORMANCE SECURITY**



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- (i) The Bid Security as indicated in Bid document must be submitted by the Bidder along with the Bid in the form of Demand Draft only drawn in favor of MEMBER SECRETARY, RAJASTHAN STATE POLLUTION CONTROL BOARD payable at Jaipur, Rajasthan (India). It should be in Indian Rupee. The Indian agent / representative should furnish an authorization letter (**As per Annexure - XV**) from their foreign Principal supplier authorizing to deposit the BID SECURITY on their behalf.
- (ii) The Bid Security shall be forfeited if a bidder withdraws or amends the bid in any respect within the period of validity of his bid or fails to submit performance security or agreement within the specified period as mentioned in the bid document. Bid shall not be entertained where a bidder has not furnished adequate Bid Security in the prescribed and acceptable form. In case, the instrument supplied is found defective and not attended by the supplier /authorized agent, the Performance Security deposited by the supplier /their authorized Indian agent will also be forfeited.
- (iii) The Bid Security of the bidders who's Bids could not be accepted shall be refunded soon after the contract with the successful bidder is signed and its performance security is obtained.
- (iv) Performance Security will be @ 10% of the said value of the store (Goods/Instruments).

14. EXEMPTION/ PARTIAL EXEMPTION FROM PAYMENT OF BID SECURITY/ PERFORMANCE SECURITY:

- a. Bid Security / Performance Security will not be taken from the Undertakings, Corporations, Autonomous bodies, Registered Societies, Co-operative Societies which are controlled/ managed by Government, Govt. Undertakings and Companies of Union Government and Government of Rajasthan.
- b. Bid Security will be taken @ 0.5% (Half-percent) of the value of the quantity offered for supply by the S.S.I. Units of Rajasthan and Performance Security @ 1% of the quantity ordered to be supplied. They will furnish original or Photostat copy, duly attested by Gazetted Officer, of the Registration of SSI Unit issued by the Director of Industries in respect of the stores for which they are registered.
- c. The Bid Security, performance security of a bidder lying with the RSPCB/ Office in respect of other bids awaiting approval or rejected or on account of contract completed will not be adjusted towards earnest money/ performance security for the fresh bids.
- d. Bid Security and performance security will be taken @ 1% and 2% respectively of the value of the bid from the Sick Industries (other than S.S.I.). **Sickness certificate issued by competent authority should be enclosed along with bid document.**
- e. Price and/ or purchase preference notified by the State Government (GoR), Price preference policy for MSME enterprise (as per new circular on Nov. 19, 2015) & any other notification issued by GoR for price preference and as mentioned in the bidding document shall be considered in the evaluation of Bids and award of contract.

15. Unsuccessful bidder's Bid Security will be discharged/ returned without any interest after the concerned purchase is finalized and that of successful bidders will be adjusted (without interest) in Performance Security.

- a) BID SECURITY of the instrument shall necessarily accompany with the technical bid.
- b) The BID SECURITY may be given in the form of a banker's cheque or demand draft.
- c) The BID SECURITY of unsuccessful bidders shall be refunded soon after final acceptance of successful bid and signing of Agreement and submitting Bank Guarantee for Performance Security (PBG).



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- d) The BID SECURITY taken from a bidder shall be forfeited, including the interest, if any, in the following cases, namely: -
 - i.) When the bidder withdraws or modifies its bid after opening of bids;
 - ii.) When the bidder does not execute the agreement, if any, after placement of Letter of Award within the specified period;
 - iii.) When the bidder fails to commence the supply of the goods or service or execute Letter of Award as per work order within the time specified;
 - iv.) When the bidder does not deposit the performance security and contract agreement within specified period after the Letter of Award is issued; and
 - v.) If the bidder breaches any provision of code of integrity, prescribed for bidders, specified in the bidding document.
- e) Notice will be given to the bidder with reasonable time before BID SECURITY deposited is forfeited.
- f) In case of the successful bidder, the amount of BID SECURITY may be adjusted in arriving at the amount of the Bank Guarantee for performance security, or refunded, if the successful bidder furnishes the full amount of performance security.
- g) The RSPCB shall promptly return the BID SECURITY at the earliest of the following events, namely:-
 - i.) the expiry of validity of BID SECURITY ;
 - ii.) the execution of agreement for procurement and performance security is furnished by the successful bidder;
 - iii.) the cancellation of the procurement process; or
 - iv.) the withdrawal of bid prior to the deadline for presenting bids, unless the bidding documents stipulate that no such withdrawal is permitted.

16. **OPENING OF BIDS:-**

- a) The Bids shall be opened by the Bid Opening & Bid Evaluation Committee on the date and time mentioned in the notice inviting bid in the presence of the bidders or their authorised representatives who choose to be present.
- b) The committee may co-opt experienced persons in the committee to conduct the process of Bid Opening.
- c) The committee shall prepare a list of the bidders or their representatives attending the opening of Bids and obtain their signatures on the same. The list shall also contain the representative's name, e-mail, telephone number of corresponding bidders' name and address. The authority letter, if any, brought by the representatives shall be attached to the list. The list shall be signed by all the members of Bid Opening Committee with date and time of opening of the Bids.
- d) The committee shall conduct a preliminary scrutiny of the opened technical Bids to assess the prima-facie responsiveness and ensure that the:-
 - ✓ bid is accompanied by bidding document fee, Bid Security and processing fee;
 - ✓ bid is valid for the period, specified in the bidding document;
 - ✓ bid is unconditional and the bidder has agreed to give the required performance security;
 - ✓ other conditions, as specified in the bidding document are fulfilled; and
 - ✓ Any other information which the committee may consider appropriate.
- e) No Bid shall be rejected at the time of Bid opening except the Bids not accompanied with the proof of payment or instrument of the required price of bidding document, processing fee and Bid Security.
- f) The Bid would be regarded as turned down, if no award of contract has been obtained till the expiry of the Bid validity. No separate communication will be made in this regard.



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- g) In case of the date of submission and the date of opening of Bid is declared as Public Holiday, the Bid shall be submitted and opened on the next working day at the same time. **LATE AND DELAYED BIDS WILL NOT BE CONSIDERED.**

17. CLARIFICATION OF BIDS:-

- a) To assist in the examination, evaluation, comparison and qualification of the Bids, the Bid Evaluation Committee may, at its discretion, ask any bidder for a clarification regarding its Bid. The committee's request for clarification and the response of the bidder shall be through the e-Procurement portal.
- b) Any clarification submitted by a bidder with regard to its Bid that is not in response to a request by the committee shall not be considered.
- c) No change in the prices or substance of the Bid shall be sought, offered, or permitted, except to confirm the correction of arithmetic errors discovered by the committee in the evaluation of the Financial Bids.
- d) **No substantive change in qualification information or to a submission, including changes aimed at making nonqualified bidder, qualified or unresponsive submission, responsive shall be sought, offered or permitted.**

18. EVALUATION & TABULATION OF TECHNICAL BIDS

Determination of Responsiveness

- a) The Bid Evaluation Committee shall determine the responsiveness of a Bid on the basis of bidding document and the provisions of pre-qualification/ eligibility criteria of the bidding document.
- b) A responsive Bid is one that meets the requirements of the bidding document without any material deviation, reservation, or omission where:
 - ✓ “deviation” is a departure from the requirements specified in the bidding document;
 - ✓ “reservation” is the setting of limiting conditions or withholding from complete acceptance of the requirements specified in the bidding document; and
 - ✓ “Omission” is the failure to submit part or all of the information or documentation required in the bidding document.
- c) A material deviation, reservation, or omission is one that,
 - i.) if accepted, shall:-
 - 1.) affect in any substantial way the scope, quality or performance of the subject matter of procurement specified in the bidding documents; or
 - 2.) limits in any substantial way, inconsistent with the bidding documents, the procuring entity's rights or the bidder's obligations under the proposed contract; or
 - ii.) If rectified, shall unfairly affect the competitive position of other bidders presenting responsive Bids.
- d) The Bid Evaluation Committee shall examine the technical aspects of the Bid in particular, to confirm that all requirements of bidding document have been met without any material deviation, reservation or omission.
- e) The RSPCB shall regard a Bid as responsive, if it conforms to all requirements set out in the bidding document, or it contains minor deviations that do not materially alter or depart from the characteristics, terms, conditions and other requirements set out in the bidding document, or if it contains errors or oversights that can be corrected without touching on the substance of the Bid. **It may be noted that mere quoting lowest rates will not entitle any firm to get the order.** For qualifying technical bid the quality of the item being offered, the past performance, supply etc. will also be taken into consideration. The Board may call for any details, explanation, regarding technical & financial aspect.



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19. Non-material Non-conformities in Bids

- a) The Bid Evaluation Committee may waive any non-conformity in the Bid that does not constitute a material deviation, reservation or omission, the Bid shall be deemed to be substantially responsive.
- b) The Bid Evaluation Committee may request the bidder to submit the necessary information or document like audited statement of accounts/ CA Certificate, Registration Certificate, GST clearance certificate, ISO Certificates, etc. within a reasonable period of time. Failure of the bidder to comply with the request may result in the rejection of its Bid.
- c) The Bid Evaluation Committee may rectify non-material non-conformities or omissions on the basis of the information or documentation received from the bidder under (b) above.

20. Technical Evaluation Criteria

Bids shall be evaluation based on the documents submitted as a part of technical bid. Technical bid shall contain all the documents as asked in the clause “Format and Signing of Bids”

21. EVALUATION & TABULATION OF FINANCIAL BIDS

- a) For two part/ cover Bid system, the financial Bids of the bidders who qualified in technical evaluation shall be opened online at the notified time, date and place by the Bid Evaluation Committee in the presence of the bidders or their representatives who choose to be present;
- b) The process of opening of the Financial Bids shall be similar to that of Technical Bids.
- c) The names of the bidders, the rates given by them and conditions put, if any, shall be read out and recorded;
- d) Conditional Bids are liable to be rejected;
- e) The evaluation shall include all costs and all taxes and duties applicable (other than GST) to the bidder as per law of the Central/ State Board/ Local Authorities, and the evaluation criteria specified in the bidding documents shall only be applied;
- f) The offers shall be evaluated and marked L1, L2, and L3 etc. L1 being the lowest offer (total bid value) and then others in ascending order, or evaluated and marked H1, H2, H3 etc. in descending order.
- g) The Bid Evaluation Committee shall prepare a comparative statement in tabular form in accordance with rules along with its report on evaluation of financial Bids and recommend the lowest offer for acceptance to the RSPCB.
- h) The members of Bids Evaluation Committee shall give their recommendations below the table regarding lowest and sign it.
- i) It shall be ensured that the offer recommended for sanction is justifiable looking to the prevailing market rates of the goods, works or service required to be procured.

22. NEGOTIATIONS

- a) Except in case of procurement by method of **single source procurement** or procurement by competitive negotiations, to the extent possible, negotiations shall be conducted.
- b) The Bid Evaluation Committee shall have full powers to undertake negotiations. Detailed reasons and results of negotiations shall be recorded in the proceedings.
- c) The lowest or most advantageous bidder shall be informed in writing either through messenger or by registered letter and e-mail (if available). A minimum time of seven days shall be given for calling negotiations. In case of urgency the Bid Evaluation Committee, after recording reasons, may reduce the time, provided



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the lowest or most advantageous bidder has received the intimation and consented to regarding holding of negotiations.

- d) Negotiations shall not make the original offer made by the bidder inoperative. The Bid Evaluation Committee shall have option to consider the original offer in case the bidder decides to increase rates originally quoted or imposes any new terms or conditions.
- e) In case of non-satisfactory achievement of rates from lowest or most advantageous bidder, the Bid Evaluation Committee may choose to make a written counter offer to the lowest or most advantageous bidder and **if this is not accepted by him, the committee may decide to reject and re-invite Bids or to make the same counter-offer first to the second lowest or most advantageous bidder, then to the third lowest or most advantageous bidder and so on in the order of their initial standing and work/ supply order be awarded to the bidder who accepts the counter-offer. This procedure would be used in exceptional cases only.**
- f) In case the rates even after the negotiations are considered very high, fresh Bids shall be invited.

23. EXCLUSION OF BIDS/ DISQUALIFICATION

- a) RSPCB shall exclude/ disqualify a Bid, if: -
 - i.) the information submitted, concerning the qualifications of the bidder, was false or constituted a misrepresentation; or
 - ii.) the information submitted, concerning the qualifications of the bidder, was materially inaccurate or incomplete; and
 - iii.) the bidder is not qualified as per pre-qualification/ eligibility criteria mentioned in the bidding document;
 - iv.) the Bid materially departs from the requirements specified in the bidding document or it contains false information;
 - v.) the bidder, submitting the Bid, his agent or any one acting on his behalf, gave or agreed to give, to any officer or employee of the RSPCB or other governmental authority a gratification in any form, or any other thing of value, so as to unduly influence the procurement process;
 - vi.) a bidder, in the opinion of the procuring entity, has a conflict of interest materially affecting fair competition.
- b) A Bid shall be excluded/ disqualified as soon as the cause for its exclusion/ disqualification is discovered.
- c) Every decision of RSPCB to exclude a Bid shall be for reasons to be recorded in writing and shall be: -
 - i.) Communicated to the concerned bidder in writing;
 - ii.) Published on the State Public Procurement Portal, if applicable.

24. LACK OF COMPETITION

- a) A situation may arise where, if after evaluation of Bids, the Bid Evaluation Committee may end-up with one responsive Bid only. In such situation, the Bid Evaluation Committee would check as to whether while floating the bid all necessary requirements to encourage competition like standard bid conditions, industry friendly specifications, wide publicity, sufficient time for formulation of Bids, etc. were fulfilled. If not, the Bid would be re-floated after rectifying deficiencies. The Bid process shall be considered valid even if there is one responsive Bid, provided that: -
 - i.) the Bid is technically qualified;
 - ii.) the price quoted by the bidder is assessed to be reasonable;
 - iii.) the Bid is unconditional and complete in all respects;
 - iv.) there are no obvious indicators of cartelization amongst bidders; and



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- v.) the bidder is qualified as per the provisions of pre-qualification/ eligibility criteria in the bidding document.
- b) The Bid Evaluation Committee shall prepare a justification note for approval by the next higher authority of the RSPCB, with the concurrence of the accounts member.
- c) In case of dissent by any member of Bid Evaluation Committee, the next higher authority in delegation of financial powers shall decide as to whether to sanction the single Bid or re-invite Bids after recording reasons.
- d) If a decision to re-invite the Bids is taken, market assessment shall be carried out for estimation of market depth, eligibility criteria and cost estimate.
25. **ACCEPTANCE OF THE SUCCESSFUL BID AND AWARD OF CONTRACT**
- a) The RSPCB after considering the recommendations of the Bid Evaluation Committee and the conditions of Bid, if any, financial implications, trials, sample testing and test reports, etc., shall accept or reject the successful Bid. If any member of the Bid Evaluation Committee has disagreed or given its note of dissent, the matter shall be referred to the next higher authority, as per delegation of financial powers, for decision.
- b) Decision on Bids shall be taken within original validity period of Bids and time period allowed to RSPCB for taking decision. If the decision is not taken within the original validity period or time limit allowed for taking decision, the matter shall be referred to the next higher authority in delegation of financial powers for decision.
- c) Before award of the contract, the RSPCB shall ensure that the price of successful Bid is reasonable and consistent with the required quality.
- d) A Bid shall be treated as successful only after the competent authority has approved the procurement in terms of that Bid.
- e) The RSPCB shall award the contract to the bidder whose offer has been determined to be the lowest or most advantageous in accordance with the evaluation criteria set out in the bidding document and if the bidder has been determined to be qualified to perform the contract satisfactorily on the basis of qualification criteria fixed for the bidders in the bidding document for the subject matter of procurement.
- f) Prior to the expiration of the period of bid validity, the RSPCB shall inform the successful bidder, in writing, that its Bid has been accepted.
- (i) The bidder has to **submit details for opening of LC (Annexure - IX, IX A) for supply of instruments within 15 days from the date of issue of letter of award and also submitted contract agreement for supply of instruments (Annexure - VIII) and bank guarantee for Performance Security (Annexure - VII) otherwise after 15 days delay period will be treated for the liquidated damage (LD). If supplier fails to submit bid document for opening of LC, contract agreement BG/SD the delay on submission such documents delivery period will commence from 15th day of date of issue of letter award in place of date of opening of LC.**
- (ii) Successful bidder will have to execute an agreement on Rs 1000/- non-judicial stamp paper with all terms and condition mentioned in bid form at **Annexure-VIII** and deposit security equal to 10% of the value of the stores for which bids are accepted within 15 days from the date of dispatch of the letter by which the acceptance of the bid is communicated to the bidder.
- (iii) Firms registered with the Director of Industries Rajasthan in respect of stores for which they are registered, subject to their furnishing the registration in original from the Director of Industries or a Photostat copy or a copy thereof duly attested by any Gazetted Officer will be partially exempted from Performance Security and shall pay Performance Security at the rate of 1 % of the estimated value of bid Central Government and Government of Rajasthan's Undertakings will be exempted from furnishing security amount.
- (iv) **The decision of the Member Secretary in this regard shall be final.**



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- (v) The expenses of completing and stamping the agreement shall be paid by the bidder and bidder shall furnish free of charge with one executed stamped counter part of the agreement to State Board.

26. **IMPORTANT BANK CHARGES:** - All Bank charges within the country (in India) will be on buyers account and all Bank charges outside the country should be borne by the supplier / beneficiary. The bidders may note this and quote the price of the instrument/ equipment accordingly. In the case of Foreign Suppliers, they will have to ensure shipment of the consignment as per the validity of the Letter of Credit established in this regard. In case of extension of supply date is sought, the bank charges towards the amendment of L.C. should be borne by the Beneficiary/Supplier. If any amendment in LC is made on request of supplier the bank charges will be borne by supplier.

If the issuance of formal letter of acceptance is likely to take time, in the meanwhile a Letter of Award (LOA) may be sent to the bidder. The acceptance of an offer is complete as soon as the letter of acceptance or letter of intent is posted and/ or sent by e-mail (if available) to the address of the bidder given in the bidding document. Until a formal contract is executed, the letter of acceptance or Letter of Award (LOA) shall constitute a binding contract.

27. **INFORMATION AND PUBLICATION OF AWARD**

Information of award of contract shall be communicated to all successful bidders and published on the respective website(s) as specified in notice inviting bid.

28. **CONFIDENTIALITY:-**

- a) Notwithstanding anything contained in this bidding document but subject to the provisions of any other law for the time being in force providing for disclosure of information, a RSPCB shall not disclose any information if such disclosure, in its opinion, is likely to: -

- impede enforcement of any law;
- affect the security or strategic interests of India;
- affect the intellectual property rights or legitimate commercial interests of bidders;
- affect the legitimate commercial interests of the RSPCB in situations that may include when the procurement relates to a project in which the RSPCB is to make a competitive bid, or the intellectual property rights of the procuring entity.

- b) The RSPCB shall treat all communications with bidders related to the procurement process in such manner as to avoid their disclosure to competing bidders or to any other person not authorised to have access to such information.

- c) The RSPCB may impose on bidders and sub-contractors, if there are any for fulfilling the terms of the service contract, conditions aimed at protecting information, the disclosure of which violates (a) above.

- d) In addition to the restrictions specified above, the RSPCB, while procuring a subject matter of such nature which requires the RSPCB to maintain confidentiality, may impose condition for protecting confidentiality of such information.

29. **CODE OF INTEGRITY FOR BIDDERS**

- a) No person participating in a procurement process shall act in contravention of the code of integrity prescribed by the State Board.

- b) The code of integrity include provisions for: -

- i.) Prohibiting

- any offer, solicitation or acceptance of any bribe, reward or gift or any material benefit, either directly or indirectly, in exchange for an unfair advantage in the procurement process or to otherwise influence the procurement process;



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- any omission, including a misrepresentation that misleads or attempts to mislead so as to obtain a financial or other benefit or avoid an obligation;
 - any collusion, bid rigging or anti-competitive behaviour to impair the transparency, fairness and progress of the procurement process;
 - improper use of information shared between the RSPCB and the bidders with an intent to gain unfair advantage in the procurement process or for personal gain;
 - any financial or business transactions between the bidder and any officer or employee of the procuring entity;
 - any coercion including impairing or harming or threatening to do the same, directly or indirectly, to any party or to its property to influence the procurement process;
 - any obstruction of any investigation or audit of a procurement process;
- ii.) Disclosure of conflict of interest;
- iii.) Disclosure by the bidder of any previous transgressions with any entity in India or any other country during the last three years or of any debarment by any other procuring entity.
- c) Without prejudice to the provisions below, in case of any breach of the code of integrity by a bidder or prospective bidder, as the case may be, the RSPCB may take appropriate measures including: -
- i.) exclusion of the bidder from the procurement process;
 - ii.) calling-off of pre-contract negotiations and forfeiture or encashment of Bid Security;
 - iii.) forfeiture or encashment of any other security or bond relating to the procurement;
 - iv.) recovery of payments made by the RSPCB along with interest thereon at bank rate;
 - v.) cancellation of the relevant contract and recovery of compensation for loss incurred by the procuring entity;
 - vi.) debarment of the bidder from participation in future procurements of the RSPCB for a period not exceeding three years.
 - vii.) Conditional Bids will be rejected without assigning any reason.

30. CONFLICT OF INTEREST

A Bidder may be considered to be in conflict of interest with one or more parties in a bidding process if, including but not limited to:-

- a) they have controlling partners in common;
- b) they receive or have received any direct or indirect subsidy from any of them;
- c) they have the same legal representative for purposes of the bid;
- d) they have a relationship with each other, directly or through common third parties, that puts them in a position to have access to information about or influence on the bid of another;
- e) a bidder participates in more than one bid in the same bidding process. However, this does not limit the inclusion of the same sub-contractor, not otherwise participating as a bidder, in more than one bid; or
- f) a bidder or any of its affiliates participated as a consultant in the preparation of the design or technical specifications of the subject matter of procurement of the bidding process. All bidders shall provide in Eligibility Criteria documents, a statement that the bidder is neither associated nor has been associated directly or indirectly, with the consultant or any other entity that has prepared the design, specifications and other documents for the subject matter of procurement or being proposed as Project Manager for the contract.



31. INTERFERENCE WITH PROCUREMENT PROCESS

A bidder, who: -

- a) withdraws from the procurement process after opening of financial bids;
- b) withdraws from the procurement process after being declared the successful bidder;
- c) fails to enter into procurement contract after being declared the successful bidder;
- d) fails to provide performance security or any other document or security required in terms of the bidding documents after being declared the successful bidder, without valid grounds, shall, in addition to the resource available in the bidding document or the contract, be punished with fine which may extend to fifty lac rupees or ten per cent of the assessed value of procurement, whichever is less.

32. APPEALS

- a) Subject to “Appeal not to lie in certain cases” below, if any bidder or prospective bidder is aggrieved that any decision, action or omission of the procuring entity is in contravention to the provisions of the Act or the rules or guidelines issued there under, he/she may file an appeal to such officer of the procuring entity, as may be designated by it for the purpose, within a period of 10 days from the date of such decision or action, omission, as the case may be, clearly giving the specific ground or grounds on which he/she feels aggrieved:
 - i.) Provided that after the declaration of a bidder as successful in terms of “Award of Contract”, the appeal may be filed only by a bidder who has participated in procurement proceedings:
 - ii.) Provided further that in a case RSPCB evaluates the Technical Bid before the opening of the financial Bid, an appeal related to the matter of Financial Bid may be filed only by a bidder whose Technical Bid is found to be acceptable.
- b) The officer to whom an appeal is filed under (a) above shall deal with the appeal as expeditiously as possible and shall endeavour to dispose it off within 30 days from the date of filing of the appeal.
- c) If the officer designated under (a) above fails to dispose of the appeal filed under that sub-section within the period specified in (b) above, or if the bidder or prospective bidder or the RSPCB is aggrieved by the order passed, the bidder or prospective bidder or the procuring entity, as the case may be, may file a second appeal to an officer or authority designated by the State Board in this behalf within 15 days from the expiry of the period specified in (b) above or of the date of receipt of the order passed under (b) above, as the case may be.
- d) The officer or authority to which an appeal is filed under (c) above shall deal with the appeal as expeditiously as possible and shall endeavour to dispose it of within 30 days from the date of filing of the appeal:
- e) The officer or authority to which an appeal may be filed under (a) or (d) above shall be :

First Appellate Authority: Member Secretary, RSPCB

Second Appellate Authority: CHAIRPERSON, RSPCB

The every Appeal under the Rajasthan Transparency in Public Procurement Act, 2012 and Rules, 2013 shall be as per Annexure-XIX along with as many copies as there are respondents in the appeal. The appeal will be settled as per the terms and condition of bid document with the provision of Rajasthan Transparency in Public Procurement Act, 2012 and Rules their upon 2013.

33. STAY OF PROCUREMENT PROCEEDINGS



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While hearing of an appeal, the officer or authority hearing the appeal may, on an application made in this behalf and after affording a reasonable opportunity of hearing to the parties concerned, stay the procurement proceedings pending disposal of the appeal, if he, or it, is satisfied that failure to do so is likely to lead to miscarriage of justice.

34. VEXATIOUS APPEALS & COMPLAINTS

Whoever intentionally files any vexatious, frivolous or malicious appeal or complaint under the “The Rajasthan Transparency in Public Procurement Act 2012”, with the intention of delaying or defeating any procurement or causing loss to any RSPCB or any other bidder, shall be punished with fine which may extend to twenty lac rupees or five per cent of the value of procurement, whichever is less.

35. OFFENSES BY FIRMS/ COMPANIES

a) Where an offence under “The Rajasthan Transparency in Public Procurement Act 2012” has been committed by a company, every person who at the time the offence was committed was in charge of and was responsible to the company for the conduct of the business of the company, as well as the company, shall be deemed to be guilty of having committed the offence and shall be liable to be proceeded against and punished accordingly:

Provided that nothing contained in this sub-section shall render any such person liable for any punishment if he proves that the offence was committed without his knowledge or that he had exercised all due diligence to prevent the commission of such offence.

b) Notwithstanding anything contained in (a) above, where an offence under this Act has been committed by a company and it is proved that the offence has been committed with the consent or connivance of or is attributable to any neglect on the part of any director, manager, secretary or other officer of the company, such director, manager, secretary or other officer shall also be deemed to be guilty of having committed such offence and shall be liable to be proceeded against and punished accordingly.

c) For the purpose of this section-

i.) "company" means a body corporate and includes a limited liability partnership, firm, registered society or co- operative society, trust or other association of individuals; and

ii.) "director" in relation to a limited liability partnership or firm, means a partner in the firm.

d) Abetment of certain offenses: Whoever abets an offence punishable under this Act, whether or not that offence is committed in consequence of that abetment, shall be punished with the punishment provided for the offence.

36. DEBARMENT FROM BIDDING

a) A bidder shall be debarred by the State Board, if he has been convicted of an offence

i.) under the Prevention of Corruption Act, 1988 (Central Act No. 49 of 1988); or

ii.) under the Indian Penal Code, 1860 (Central Act No. 45 of 1860) or any other law for the time being in force, for causing any loss of life or property or causing a threat to public health as part of execution of a public procurement contract.

b) A bidder debarred under (a) above shall not be eligible to participate in a procurement process of RSPCB for a period not exceeding three years commencing from the date on which he was debarred.

c) If RSPCB finds that a bidder has breached the code of integrity prescribed in terms of “Code of Integrity for Bidders” above, it may debar the bidder for a period not exceeding three years.



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- d) Where the entire Bid Security or the entire Performance Security or any substitute thereof, as the case may be, of a bidder has been forfeited by a RSPCB in respect of any procurement process or procurement contract, the bidder may be debarred from participating in any procurement process undertaken by the RSPCB for a period not exceeding three years.
- e) The State Board or a procuring entity, as the case may be, shall not debar a bidder under this section unless such bidder has been given a reasonable opportunity of being heard.

37. INTERPRETATION

- a) If the context so requires it, singular means plural and vice versa.
- b) Entire Agreement: The Contract constitutes the entire agreement between the State Board and the Supplier/ Selected Bidder and supersedes all communications, negotiations and agreements (whether written or oral) of parties with respect thereto made prior to the date of Contract.
- c) Amendment: No amendment or other variation of the Contract shall be valid unless it is in writing, dated, expressly refers to the Contract, and is signed by a duly authorized representative of each party thereto.
- d) Non-waiver: Subject to the condition (f) below, no relaxation, forbearance, delay, or indulgence by either party in enforcing any of the terms and conditions of the Contract or the granting of time by either party to the other shall prejudice, affect, or restrict the rights of that party under the Contract, neither shall any waiver by either party of any breach of Contract operate as waiver of any subsequent or continuing breach of Contract.
- e) Any waiver of a party's rights, powers, or remedies under the Contract must be in writing, dated, and signed by an authorized representative of the party granting such waiver, and must specify the right and the extent to which it is being waived.
- f) Severability: If any provision or condition of the Contract is prohibited or rendered invalid or unenforceable, such prohibition, invalidity or unenforceability shall not affect the validity or enforceability of any other provisions and conditions of the Contract.

38. ELIGIBLE GOODS AND RELATED SERVICES

- a) All products quoted by the successful/ selected bidder must be associated with specific make and model number, item code and names and with printed literature describing configuration and functionality. Any deviation from the printed specifications should be clearly mentioned in the offer document by the bidder/ supplier. Also, the bidder is to quote/ propose only one make/ model against the respective item.
- b) The Original Equipment Manufacturer / Vendor of the quoted product should also have its direct representation in India in terms of registered office for at least past 3 years. The presence through any Distribution/ System Integration partner agreement will not be accepted.
- c) Bidder must quote products in accordance with above clause "Eligible goods and related services".

39. TAXES & DUTIES

- a) GST will be paid by State Board as per prevailing rates.
- b) If any tax exemptions, reductions, allowances or privileges may be available to the successful/ selected bidder in India, the State Board shall use its best efforts to enable the successful/ selected bidder to benefit from any such tax savings to the maximum allowable extent.

40. CONFIDENTIAL INFORMATION



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- a) The State Board and the Supplier/ Selected Bidder shall keep confidential and shall not, without the written consent of the other party hereto, divulge to any third party any drawings, documents, data, or other information furnished directly or indirectly by the other party hereto in connection with the Contract, whether such information has been furnished prior to, during or following completion or termination of the Contract.
- b) The State Board shall not use such documents, data, and other information received from the Supplier/ Selected Bidder for any purposes unrelated to the Contract. Similarly, the Supplier/ Selected Bidder shall not use such documents, data, and other information received from the State Board for any purpose other than the design, procurement, or other work and services required for the performance of the Contract.
- 41. The validity of Bid would be for a minimum period of 120 (one hundred twenty) days from the date of opening of Bids.** A Bid valid for a shorter period may be rejected by the Board as non-responsive. In case the validity is 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. A bidder may refuse the request for extension of validity period. Such refusal shall be treated as withdrawal of Bid and in such circumstances Bid Security shall not be forfeited.
- 42. The specifications should clearly be mentioned in the document and the Bidder is requested to submit Bid only if, their offer strictly complies with specifications of the Board. 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 bid document" shall not be entertained. The product specifications duly signed by authorized signatory supported by technical literature and list of users must be enclosed with Annexure - II.**
- Regarding Financial Bid, cost of imported equipment in foreign / Indian currency, it was decided that rates in both the currencies are acceptable. The comparison of L₁ rates in case of imported items will be calculated after conversion of foreign currency in Indian Rupees + custom duty, if any, and in case of Indian goods rate in Indian Rupees +GST
 - If any bidder quotes rates of imported item in Indian currency then no extra taxes will be considered except any specified by the State.
- If the bidder quotes the rates of foreign good in Indian rupees, the State Board will not provide custom exemption certificate and custom duty will also not be reimbursed / paid.** For the comparison of the rates quoted in different currencies by the bidders, the comparison will be done on the basis of conversion of currency in Indian Rupees on the date of opening of financial bid of the bid. For comparison of rates of quoted rates, the exchange rate of foreign currency in Indian Rupees on the date of opening of financial bid will be considered.
- 43.** 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 for export and re-shipment will be paid by the Board.
- 44. INSTALLATION & COMMISSIONING**
- The installation and commissioning of the instruments is the entire responsibility of the supplier. It must be done either by the principal supplier or their authorized agents within 120 days from the date of opening of LC in case of foreign suppliers. For Indian supplier the installation and commissioning should be completed within 90 days from the date of issue of purchase order. The supplier or their**



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authorized Agent should be in touch with the Central Laboratory of the Board to know the exact day of receipt of stores supplied/ dispatched by them.

45. The instrument for which Bids are invited will have to be supplied within 120 days from the date of opening of LC, if the goods are imported. (in the case of foreign suppliers the date of arrival of consignment at Indian port will be considered as the date of delivery). **A period of 60 days will be allowed for delivery of equipment from the date of issue of purchase order in the case of Indian manufacturers/suppliers. In case of delay in delivery (including installation and commissioning) the liquidated damages will be levied (as per para no. 63) from successful bidder.**
46. 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 Bid 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 at least for three years (as optional items) and two copies of trouble shooting manuals, electric circuits etc. along with the bid.
Combined BID SECURITY and consolidated bids will be rejected. BID SECURITY and bid should be submitted separately for each equipment.
47. **Bidder has to provide training on operation and maintenance of the instrument/equipment to Board Officials of respective Central and Regional laboratories without any additional charges. However, training for sophisticated instrument will be provided by the bidder as specified in respective technical specifications of the instrument.**
48. **ANNUAL MAINTENANCE CONTRACT:**
 - (i) The bidder should quote the charges for annual maintenance contract with price Bid for next five years after completion of three years comprehensive warranty period for the instrument.
 - (ii) The bidder will submit the undertaking manufacturer in format mentioned at **Annexure – XI**
49. **After sales service is most important** to be considered for comparison of the bids. Bid of those firms who do not have Indian / Local Agents to provide after sales and service during warranty period **will not be considered**. After sales service must be provided at the premises of the Laboratory / Offices of RPCB, by the manufacturer or authorized service provider. **The instrument will not be sent to the service provider** for the repair.
50. The **foreign bidders** must indicate the following information in their Performa invoice along with the Price Bid separately for each instrument/equipment.
 - ✓ Country of Origin.
 - ✓ Port of Shipment.
 - ✓ Name & Address of beneficiaries Bank, Branch name with Account No. & SWIFT No.
 - ✓ Whether trans-shipment/partial shipment is required or not.
 - ✓ The Indian Agent's complete address, telephone & fax number.
51. Foreign Principals/their authorized Indian Agent shall intimate the buyer regarding the date of shipment well in advance. A copy of the invoice documents, air way bill, packing list, certificate of country of origin may be forwarded to the purchaser by fax immediately after shipment of the consignment to clear from custom authorities so as to avoid demurrage charges. The consignment is to be get cleared by supplier from custom and he will deliver the item at Central and Regional laboratories.



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52. Prior to placing purchase order, in case the buyer desires to inspect the stores/instrument-equipment including demonstration, the same should be arranged by the supplier or their authorized Indian agent on free of charges. In case of heavier equipments / sophisticated instruments of indigenous / imported origin lab officials may be deputed at site of manufacturer or where same make / model is in operation in India.
53. **The bidder has to submit the Annexure - XI and Annexure - XVI on Rs. 500/- Non Judicial Stamp Paper. Otherwise bid will not be considered for technical evaluation.**
54. **PAYMENT CONDITIONS:-**
- (i) For Foreign Bidders: - The foreign bidders should quote the price in foreign currency. In case, they have components and services of Indian agent, the same may be quoted in Indian Rupees.
- 100%** payment will be released through irrevocable Letter of Credit in the name of foreign bidders for stores of foreign origin.
- 70%** payment will be made on shipment of the instrument/Equipments and on furnishing **Bank Guarantee for 10 % of the purchase order as security, contract agreement in the form of Annexure - VII** valid till warranty period. For release of payment the supplier shall submit documents as specified in **Annexure - IX** .
- Balance 30%** payment will be released on satisfactory installation, training and commissioning of instrument / equipment.
- (ii) For Indian bidders 100% payment will be released on satisfactory supply installation, training and commissioning of the instrument and on furnishing performance security/Bank Guarantee for 10 % of the purchase order value and **contract agreement in the form of Annexure - VIII**. The supplier shall provide the documents with each instrument as mentioned at **Annexure - IX A**.
- (iii) The Performance Security / Bank Guarantee be furnished by the principal supplier or their authorized Indian agent from any Nationalized Bank as per Annexure VII, No Proposal for advance payment will be allowed in any case. **The bank guarantee / performance security shall be valid till 45 days after expiry of the warranty period.**
- (iv) The defective, substandard and contrary to the specification of instruments, if supplied have to be replaced by the supplier at their cost and responsibility. In case of indigenous instrument/ equipment quoted by Indian firms/ representatives/ Indian agents of foreign supplier / manufacturers in rupees. The payment will be made in Indian rupees directly after supply and satisfactory installation / commissioning of equipments/instruments.
- (v) The reference of supply order should be submitted for payment.
55. **SETTLEMENT OF DISPUTE, ARBITRATION**
- (i) 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 by the Chairperson, Rajasthan State Pollution Control Board in accordance with the Arbitration and Conciliation Act, 1996. The arbitrators appointed by the Chairperson, Rajasthan State Pollution Control Board. The Chairperson, Rajasthan State Pollution Control Board, Jaipur shall appoint a sole arbitrator. The decision of the sole arbitrator shall be final and binding on both the parties. It will not be an objection to any such appointment that the arbitrator is the Government servant and had any interest in the Board or the



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contract entered into directly or indirectly. In all cases, the arbitrator shall state his decision in writing. Arbitration proceedings shall be held at Jaipur, Rajasthan (India) and the language of arbitration proceeding and that all documents and communications between the parties shall be in English.

- (ii) It is a term of the contract that the party invoking the dispute shall specify the dispute or disputes to be referred to the arbitrator under this clause together with the amount or amount claimed in respect of each such dispute.
- (iii) It is also a term of the contract that if the supplier (s) do not make any demand in respect of any claim (s) or dispute in writing within 90 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 discharged and released of all liabilities under the contract in respect of these claims.

56. LAWS AND REGULATIONS

The formation, validity and performance of this Contract shall be governed as to all matters by and under the laws and regulations of India and courts of Jaipur shall have exclusive jurisdiction in all matters arising under this Contract.

The Supplier shall respect and abide by all laws and regulations of India and shall make its best effort to ensure that the personnel of the Supplier and their dependents, while staying in India, shall respect and abide by all laws and regulation of India.

The Supplier shall protect, absolve and indemnify the Board, and their representatives from any claim, loss or damage arising from any non compliance alleged or proved, without claiming them for payment.

57. 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 duration of more than seven 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 buyer 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 buyer may be extended, the order may be cancelled. Such cancellation would be without any liability whatsoever on the part of buyer. In the event of such cancellation the vendor shall refund any amount advanced by the Purchaser and deliver back any material issued to him by the Purchaser and release facilities, if any, provided by the Purchaser.

58. INJURY AND DAMAGE

- (i) **INJURY OR DEATH OF PERSONS:** The Supplier shall be liable for and shall indemnify the Board against any liability, loss, claim or proceedings, whatsoever arising under any statute or law in respect of personal injury or death or any disability caused by the carrying out the Works.
- (ii) **DAMAGE TO PROPERTY:** The Supplier shall be liable for and shall indemnify the Board against and insure and cause any Manufacturers and subcontractors to insure against any expense, liability, loss claim or proceedings in respect of any damage, whatsoever to any real or personal property for any one occurrence in so far as such damage arises out of or in the course of or by reason of the carrying out of the Works and is due to any negligence, omission or default of the Supplier or any person for whom the supplier is responsible or any Manufacturers and subcontractors or person whom the Manufacturers and subcontractors are responsible.

59. ROYALTY AND PATENTS

- (i) The Supplier shall pay all royalties and licenses fee for the use of any patented item, whether it may be an invention, method, arrangement, article, process or appliance used



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in connection with the performance of the Contract. The supplier shall indemnify and save harmless the Board against any and all costs, damages and expenses of any nature or kind whatsoever which may arise out of or result from a claim by any person, firm or corporation that the manufacture, purchase, use or sale of any of the inventions, methods, arrangements, articles processes or appliances used in connection with the performance of this Contract infringes any patent or other rights. The Supplier shall, at the request of the Board, defend the Board against any suit brought to enforce any such claim at the Suppliers expense.

- (ii) In case any such patented item used on or in conjunction with the Works is in suit held to constitute an infringement of its use enjoined, the supplier shall either secure for the Board the right to continue using the said item by suspension of the injunction, by procuring for the Board a license or otherwise, or will replace such items with a non-infringing item or modify it, so that it becomes non-infringing or with the Boards approval remove the said enjoined item and refund to the Board the sums paid thereof.

60. **EFFECTIVENESS**

This Contract shall come into force and effect on the date of the Letter of Award and shall be in force until the expiry of the warranty period and all the payments have been made to the Supplier.

61. **INSURANCE**

The goods will be delivered at the destination godown in perfect condition. The supplier, if he so desires, may insure the valuable goods against loss by theft, destruction or damage, by fire, flood, under exposure to whether or otherwise viz., (war rebellion, riot, etc.). The insurance charges will be borne by the supplier in both cases Foreign goods and Indian goods and State Board will not reimburse such charges.

62. **LIQUIDATED DAMAGES**

- (1) The time specified for delivery in the bid form shall be deemed to be the part of the contract and the successful bidder shall arrange supplies and installation within the period from the date of supply order issued by the **Member Secretary, Rajasthan State Pollution Control Board, Jaipur (Rajasthan)**.
- (2) In case of extension in the delivery period with liquidated damages the recovery shall be made on the basis of following percentages of value of Stores which the bidder has failed to supply:-
 - a. Delay up to one fourth period of the prescribed delivery period - 2.5%,
 - b. Delay exceeding one fourth but not exceeding half of the prescribed period - 5%,
 - c. Delay exceeding half but not exceeding three fourth of the prescribed period - 7.5%, and
 - d. Delay exceeding three fourth of the prescribed period - 10%.
- (3) Fraction of a day in reckoning period of delay in supplies shall be eliminated if it is less than half a day.
- (4) The maximum amount of liquidated damages shall be - 10%.
- (5) If the supplier requires an extension of time in completion of contractual supply on account of occurrence of any hindrance he shall apply in writing to the authority, which has placed the supply order, for the same immediately on occurrence of the hindrance but not after the stipulated date of completion of supply of goods.
- (6) Delivery period may be extended with or without liquidated damages if the delay in the supply of goods is on account of hindrances beyond the control of the bidder.

63. **RECOVERIES**

Recoveries of liquidated damages, short supply, breakage, rejected articles shall ordinary be made from bills. Amount may also be withheld to the extent of short supply, breakage, rejected articles and in case of failure in satisfactory replacement by the supplier along with amount of liquidated damages shall be recovered from his dues



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and, Performance Security available with the RSPCB. In case recovery is not possible appropriate action will be taken under Rajasthan PDR Act or any other relevant law in force.

64. INSPECTION

- a. The Member Secretary RSPCB Jaipur, or his duly authorized representative shall have right for inspection of the instrument/equipments at premises of the bidder. In case of foreign supply, the bidder is required to submit the certificate of testing, materials and workmanship of the instrument /equipments machineries during manufacturing process or afterwards as may be decided.
- b. The bidder shall furnish complete address of the premises of his office, go down and workshop with contact number of responsible person where inspection can be made together with name and address of the person who is to be contacted for the purpose. In case of those dealers who have newly entered in business a letter of introduction from their bankers will be necessary.

65. CLEARANCE OF CONSIGNMENT FROM CUSTOMS

For imported items, Clearance of the consignment from Customs will be done by the bidder. Any custom duties paid as applicable under registration of Dept. of Science and Technology for clearance of the consignment shall initially be paid by the bidder and the same shall be reimbursed by RPCB after production of documentary evidence at actual as per Govt. Rules. **THE STATE BOARD WILL REIMBURSE THE CUSTOM DUTY ONLY; NO OTHER CHARGES WILL BE BORN BY THE STATE BOARD.** The delivery of goods will be taken at Central/ Regional laboratories.

66. DEMURRAGE CHARGES

In case, any demurrage charges are paid to release the consignment from custom, it will be borne by bidder.

67. REJECTION

- i. Articles not approved during inspection or testing shall be rejected and will have to be replaced by the bidder at his own cost within the time fixed by the Member Secretary.
- ii. If, however due to exigencies of Rajasthan State Pollution Control Board work, such replacement either in whole or in part, is not considered feasible, the Member Secretary after giving an opportunity to the bidder of being heard, shall for reasons to be recorded, deduct a suitable amount from the approved rates. The deduction so made shall be final.
- iii. The rejected articles shall be removed by the bidder within 15 days of intimation of rejection, after which Member Secretary shall not be responsible for any loss, shortage or damage and shall have the right to dispose of such articles as he thinks fit, at the bidder's risk and on his account.

68. The Member Secretary can repudiate the contract for the supply, at any time, if the supplies are not made to his satisfaction after giving an opportunity to the bidder of being heard and recording of the reasons for repudiation.

69. TERMINATION FOR DEFAULT

- a) The RSPCB may, without prejudice to any other remedy for breach of contract, by writing a written notice of default of at least 30 days sent to the supplier/ selected bidder, terminate the contract in whole or in part: -
 - i.) If the supplier/ selected bidder fails to deliver any or all quantities of the service within the time period specified in the contract, or any extension thereof granted by State Board; or



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- ii.) If the supplier/ selected bidder fails to perform any other obligation under the contract within the specified period of delivery of service or any extension granted thereof; or
- iii.) If the supplier/ selected bidder, in the judgement of the State Board, is found to be engaged in corrupt, fraudulent, collusive, or coercive practices in competing for or in executing the contract.
- iv.) If the supplier/ selected bidder commits breach of any condition of the contract.
- b) If State Board terminates the contract in whole or in part, amount of PSD (Performance Security Deposits) may be forfeited.
- c) Before cancelling a contract and taking further action, advice of senior most finance person available in the office and of legal adviser or legal assistant posted in the office, if there is one, may be obtained.

70. TERMINATION FOR INSOLVENCY

State Board may at any time terminate the Contract by giving a written notice of at least 30 days to the supplier/ selected bidder, if the supplier/ selected bidder becomes bankrupt or otherwise insolvent. In such event, termination will be without compensation to the supplier/ selected bidder, provided that such termination will not prejudice or affect any right of action or remedy that has accrued or will accrue thereafter to State Board.

71. Termination for Convenience

- a) State Board, by a written notice of at least 30 days sent to the supplier/ selected bidder may terminate the Contract, in whole or in part, at any time for its convenience. The Notice of termination shall specify that termination is for the State Board's convenience, the extent to which performance of the supplier/ selected bidder under the Contract is terminated, and the date upon which such termination becomes effective.
- b) Depending on merits of the case the supplier/ selected bidder may be appropriately compensated on mutually agreed terms for the loss incurred by the contract if any due to such termination.
- c) The Goods that are complete and ready for shipment within twenty-eight (28) days after the supplier's/ selected bidder's receipt of the Notice of termination shall be accepted by the State Board at the Contract terms and prices. For the remaining Goods, the State Board may elect:
 - i.) To have any portion completed and delivered at the Contract terms and prices; and/or
 - ii.) To cancel the remainder and pay to the supplier/ selected bidder an agreed amount for partially completed Goods and Related Services and for materials and parts previously procured by the supplier/ selected bidder.

72. PRE-QUALIFICATION/ ELIGIBILITY CRITERIA

- 1) A bidder participating in the bid process shall possess the following minimum pre-qualification/ eligibility criteria.

S. No.	Basic Requirement	Specific Requirements	Documents Required
1	Legal Entity	The bidder should be a Proprietorship firm duly registered either under the Rajasthan Shops & Commercial Establishments Act, 1958 or any other Act of State/ Union, as applicable for dealing in the subject matter of procurement OR A company registered under Indian Companies Act, 1956 OR	- Copy of valid Registration Certificates



RAJASTHAN STATE POLLUTION CONTROL BOARD

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S. No.	Basic Requirement	Specific Requirements	Documents Required
		<p>A partnership firm registered under Indian Partnership Act, 1932.</p> <p>OR</p> <p>Limited Liability Partnership firm registered under Limited Liability Partnership Act, 2008.</p> <p>¹ Consortium of Legal Entity (as mentioned above) is also allowed. The consortium shall not consist of more than three companies/ corporations and shall be formed under a duly stamped consortium agreement as per Annexure-VIII, Part-B, In a consortium, one of the partners shall be designated as a "Lead Partner" and other as Co-partner. The bidder or partners of the consortium shall be Laboratory/Scientific/ Technical Instrument company. Every member of the consortium shall be equally responsible and jointly and severally liable for the successful completion of the entire project. In case of any issues, Lead Partner as well as co-partners shall be responsible for all the pecuniary penalties. However, all the partners are equally liable for any legal issues.</p>	<p>In case of consortium, a Consortium Agreement must be submitted, duly signed by the consortium members. The Consortium Agreement must clearly specify the stake of each member and outline their roles and responsibilities as per Annexure-VIII, Part-B (attach PDF)</p>
2	Financial: Turnover from IT/ ITeS	<p>Annual Turnover of the bidder from IT/ ITeS during each of the last three financial years, i.e., from 2017-2018 to 2019-20 (as per the last published audited balance sheets), should be at least Rs. 10.0 Cr. (Ten Crores). In case of consortium, lead partner shall have minimum turnover of Rs. 10.0 Cr. (Ten Crores) and Co-partner shall also have atleast turnover of Rs. 5.0 Cr. (Five Crores)</p>	<p>CA Certificate with CA's Registration Number/ Seal</p>
3	Financial: Net Worth	<p>The net worth of the bidder in the last three financial year, i.e. 2017-2018 ,2018-2019 & 2019-2020, should be Positive.</p>	<p>CA Certificate with CA's Registration Number/ Seal</p>
4	Technical Capability	<p>The bidder must have executed at least two installations of same make and model and or latest version of the same model. The bidder must enclose the photocopies of purchase orders including satisfactory working certificate of equipments issued by the purchaser/Client.</p>	<p>Project reference And Satisfactory Work Completion Certificates from the client + Copy of Purchase Order</p>
5	Tax registration and clearance	<p>The bidder should have a registered number of</p> <ol style="list-style-type: none"> i. GST where his business is located ii. Service Tax iii. Income Tax / PAN/TIN <p>The bidder should have cleared his previous GST dues if any, to the Government.</p>	<p>Copies of relevant certificates of registration issued by the competent authority.</p>
6	Mandatory Undertaking	<p>Bidder should: -</p> <ol style="list-style-type: none"> a) Not be insolvent, in receivership, bankrupt or being wound up, not have its affairs administered by a court or a judicial officer, not have its business activities suspended and must not be the subject of 	<p>A Self Certified letter as per Annexure XVI Self-Declaration</p>



S. No.	Basic Requirement	Specific Requirements	Documents Required
		legal proceedings for any of the foregoing reasons; b) Not have, and their directors and officers not have, been convicted of any criminal offence related to their professional conduct or the making of false statements or misrepresentations as to their qualifications to enter into a procurement contract within a period of three years preceding the commencement of the procurement process, or not have been otherwise disqualified pursuant to debarment proceedings; c) Not have been blacklisted by any Government RSPCB/PSU or under a declaration of ineligibility for fraudulent or corrupt practices or inefficient/ineffective performance.	
7	Service Support Centre	Manufacture or its authorized dealer in India should have the service centre / workshop/competent service engineer for repairing of the same equipment.	Details / Undertaking for setting up Service Support Centres in India as per Annexure XV
8.	Mandatory Undertaking/ Authorization/ Declaration	AMC Charges Compliance certificate	As per Annexure IV, XIV, XVII

- 2) In addition to the provisions regarding the qualifications of the bidders as set out in (1) above: -
- a) The RSPCB shall disqualify a bidder as per the provisions under “Clause: Exclusion/ Disqualification of bids” as mentioned in terms and conditions of the bid.
 - b) The RSPCB may request a bidder, who was pre-qualified, to demonstrate its qualifications again in accordance with the same criteria used to pre-qualify such bidder. The RSPCB shall disqualify any bidder that fails to demonstrate its qualifications again, if requested to do so. The RSPCB shall promptly notify each bidder requested to demonstrate its qualifications again as to whether or not the bidder has done so to the satisfaction of the procuring entity. The bidder will be given one chance for demonstration of qualifications by intimating before 15 days.

MEMBER SECRETARY



ANNEXURE-I

S.No. RSPCB/LAB/INSTRUMENTS/2020-2021/01

Dated

APPLICATION FORM (To be filled by the bidder)

1. Name and full address of the _____
Bidder including Telegraphic-mail _____
Address and Fax No. _____
2. Name and designation of the _____
Head of the Firm/supplier and _____
his Telephone No. _____
3. (i) In case the supplier is located out _____
of Rajasthan; specify the authorized _____
Distributor's or Agent's Address , if any. _____

(ii) Name, Designation, Address Telephone _____
& Fax Numbers of the Authorized Person _____
who may be Contacted during the process _____
of the purchase concerned under this document(Applicable for all the suppliers)
4. Name of the Instrument and : _____
Item Code Number(s) quoted for _____
5. Whether Bid Security Deposited : _____ Yes / No _____
If yes (Amount: in Rs.) _____
Demand Draft No, Date, _____
and Name of Issuing Bank _____
6. Bid fee Rs 5000/- details DD / Cash receipt No _____, Date _____ and
Name of Issuing Bank _____
Processing fee Rs 1000/- details DD /Cash receipt No _____ Date _____
and Name of Issuing Bank _____
7. Income Tax Clearance Certificate : Yes or No
attached (Latest) with PAN Number _____

All the general terms and conditions of the bid documents have been read carefully and are accepted.

Place:

Date:

Legally Binding Signature with Stamp



BID FORM FOR TECHNICAL BID

ANNEXURE-II

(Please do not write the Price)

Details showing specifications and other details of the equipment offered along with item Code No.)

(To be filled by the bidder and must be kept marked as “Technical Bid” part of the Bid)

Item Code with Instruments Name	Specification specified by the Board		Remarks, if any
	Particular /Criteria	Requirement	
A	B1	B2	C
1. Autoclave	Vertical autoclave with double walled units, with pressure gauge, pressure release valve and stainless steel basket as a standard feature mounted on sturdy legs.		
	Construction	Fully organ welded to avoid steam and pressure leak. Double walled construction with inner SS 316 L and outer SS 304 Matt / Buff or mirror finish.	
	Capacity	110-125 liters.	
	Controlling system	Microprocessor based PID controller with Dual Digital Display of Temp. and Timer with auto - purging facility.	
	Heating System	SS 316 water immersion heater	
	Sterilizing temperature	121°C	
	Operating Pressure	15 PSI	
	Sterilizing Time	0 - 120 minutes	
	Size	450 x 750 mm (inner dia)	
	Chamber Size	60 x 45 x 45 cm	
	Water cut off	Water low-level alarm indication and heater cut-off facility	
	Basket type	Stainless steel carrier basket	
	Drainage	Auto and manual draining facility for reservoir tank water	
	Temperature Range	Ambient to 200°C	
	Calibration and inspection	Should have calibration and inspection certificate from factory. Calibration of the equipment shall also be ensured during warranty.	
	Power supply	Power supply AC 220/ 240 V, 50Hz	
	Certification	Temperature & Pressure controller to be certified by a NABL recognized Laboratory.	
	Lock System	Double Safety Radial Locking Arrangement	
	Safety Items	1. Safety Valve - 20 PSI 2. Extra safety valve - 25 PSI	
	Safety	Over temperature protection device	
Spares	One spare set of heater to be provided.		
Warranty	Three years from the date of installation.		



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Item Code with Instruments Name	Specifications specified by the Board		Remarks, if any
	Particular /Criteria	Requirement	
A	B1	B2	C
2. Bacteriological Incubator	Construction	Double wall construction with PUF insulation. Inner Chamber made of SS 304 and outer body made of stainless steel matted finish.	
	Capacity	250 to 300 ltrs.	
	Display	Digital Display of Temp. and Timer.	
	Controlling system	Microprocessor based PID controller	
	Temperature range	5.0°C above ambient to 70°C	
	Accuracy	±0.5°C in the entire range	
	Timer (optional)	99 hours / continuous	
	Viewing facility (inner door)	Door should have double glass viewing window of size adequate enough to permit observation without disturbing the thermal condition	
	Outer door	The outer door is insulated having inner SS lining fitted on stainless steel hinges and positive door gasket seals door perfectly.	
	Heating element	It should be located at appropriate locations to enable temperature controls through a built-in air circulating fan and thermostat arrangement from room temperature to 70°C.	
	Sensitivity Range	±0.2°C in the entire temperature range	
	Air ventilators	Adjustable air ventilators located near the top of the sides.	
	Shelves	Perforated stainless steel adjustable sheet shelves – 3 Nos.	
Certificates	Sensor & controller to be certified by a NABL recognized Laboratory. The		



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Item Code with Instruments Name	Specifications specified by the Board		Remarks, if any
	Particular /Criteria	Requirement	
A	B1	B2	C
		incubator should pass IQ / PQ / OQ tests.	
	Calibration	The incubator should be certified and calibrated from NABL or tracing Authority. Calibration of the equipment shall also be ensured during warranty.	
	Warranty	Three years from the date of installation.	
	Other Requirement	Operating manual, Power cable, plug, required standard toolkit	
3. BOD Incubator	Stainless steel double-walled (inside and outside) chamber with thick PUF insulation to minimize the heat exchange. The incubator (sensor & controller) should pass IQ / PQ / OQ tests. Maintain excellent temperature uniformity inside the incubator. The outside metal door with proper insulation shall have the magnetic gasket and lock.		
	Capacity	250 to 300 Ltrs.	
	Material	Internal – stainless steel; External – Mild Steel with powder coated enamel	
	Temperature	5° to 60° C, with accuracy of ± 0.5 ° C or Better	
	Temperature uniformity	< 1.5°C	
	Display	Digital display of date, time & temperature	
	Alarm	Over temperature limiter and door opening alarm	
	Digital timer	1 minute to 99 hr 59 minutes	
	Control system	Micro processor based PID controller with digital display and PT-100 sensors, With Printer interface facility,	
	Glass Door	Full view inner toughened Glass door with Aluminium Frame closes on a resilient gasket and permits inspection of the specimens, without disturbing the thermal conditions of the chamber.	
Compressor	Hermetically sealed		



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Item Code with Instruments Name	Specifications specified by the Board		Remarks, if any
	Particular /Criteria	Requirement	
A	B1	B2	C
		compressor coupled with evaporation coil and condenser, safe guarded by time delay circuit, CFC free refrigerant.	
	Mounting	Cooling Unit is placed on heavy duty Iron angle Frame below the Chamber with Castor wheel	
	Blower	Air is circulated by self cooling Motor with fans to keep the temperature uniform throughout the inner chamber.	
	Inside Chamber	Stainless Steel with ribs for adjusting perforated shelves at convenient Illumination Lamp (15 W) will be provided inside the Chamber.	
	Power	220/230 Volt, AC, 50/60 Hz mains	
	Shelves	Three adjustable Stainless Steel Perforated Shelves	
	Calibration	The incubator should be certified and calibrated from NABL or tracing Authority. Calibration of the equipment shall also be ensured during warranty.	
	Warranty	Three years from the date of installation.	
	Accessories	Supplied complete with Voltage Stabilizer and Instruction Manual	
Safety device	CLS (custom logical safe)-control system		
4. COD Digester With Air Condensers	Capacity	15 Samples at a time	
	Construction	Should be compact and made of SS and should have 15 holes to take reaction vessels, cooling tray and an air cooler stand for 15 air coolers and stand for 15 reaction vessels. The capacity of glass vessels should be 200ml. Air	



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Item Code with Instruments Name	Specifications specified by the Board		Remarks, if any
	Particular /Criteria	Requirement	
A	B1	B2	C
		Condenser should be of total length 745 mm.	
	Temperature	250°C ±1°C (uniform heating)	
	Temperature controller	Digital PID temperature cum controller with built in timer for temperatures up to 250°C	
	Timer	Integrated Programmable time with digital display of set value and process value. Programmable countdown timer in HH:MM up to 99 hours 59 minutes with 2 hours adjustable timer with buzzer	
	Sample size	20 ml (Total volume 60 ml with reagent)	
	Safety features	Auto alarm /Buzzer for user's attention, Auto power off mode on completion of COD digestion, Automatic safety features like auto over temperature protection,	
	Glassware	15 reaction vessels along with air condensers. (Should be made of standard quality Borosilicate glass). Additional 15 reaction vessels and 15 Air condenser should also be supplied.	
	Accessories	1. SS holder for glassware handling along with FRP water tank 2. Aluminum stand for reaction vessels 3. Aluminum stand for air condensers 4. Standard Toolkit and Manual	
	Display board	Digital LCD display with big visible fonts with date & time	
	Power Requirement	230 V/50Hz AC mains.	
Certificate	Temperature controller to be certified by a NABL		



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Item Code with Instruments Name	Specifications specified by the Board		Remarks, if any
	Particular /Criteria	Requirement	
A	B1	B2	C
		recognized Laboratory.	
	Warranty	Three years from the date of installation.	
5. Conductivity Meter (Bench Top Model)	Mode	Conductivity, Temperature, Salinity, TDS	
	Display	LCD, Simultaneous display of Temperature	
	Control	Microprocessor with all functions automatically.	
	Conductivity Range	1 micro Siemens/cm to 100 milli Siemens/cm	
	Resolutions	0.01 micro Siemens	
	Accuracy	± 0.5 % micro Siemens	
	Temperature Range	0.0 to 50 °C	
	Temperature Accuracy	±0.50 °C	
	Resolution	0.1°C	
	Auto Read	Automatic/manual selectable	
	Reference Temperature	Factory set at 25 °C	
	Calibration	Up to 3 point with 0.01 mol KCl upto 3 digits	
	Cell constants	Theoretically 1.0 (provide NIST traceable certificate)	
	Salinity Range	0.0 to 40% in direct display.	
	TDS Range	0 to 10000 mg/l	
	Power Supply	230 ± 10Volts / 50Hz Ac/ Battery operated	
	Warranty	3 years comprehensive on instrument & 1 year on electrodes.	
	Splash Proof Housing	Yes	
	Calibration Protocol	Yes	
	USB Port	Yes	
Alarm Functions	Yes		
Calibration	The Conductivity meter should be calibrated from NABL accredited laboratory. Calibration of the equipment shall also be ensured during warranty.		
Warranty	Three years from the date of installation.		
Accessories :-			
➤ To be supplied complete with carrying case, Electrode, Electrode stand, Operation & service Manual (Two set).			



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Item Code with Instruments Name	Specifications specified by the Board		Remarks, if any
	Particular /Criteria	Requirement	
A	B1	B2	C
	➤ NIST traceable reference solution 1000 uS/cm, 1413 uS/cm, 12.9 mS/cm with Certificate		
6. Deep Freezer	Deep Freezer (front loading) should be fabricated from stainless steel sheets, Aluminum and other corrosion resistant material, and finished with enamel paint. Should be provided with drain for condensate water outlet and for cleaning the storage compartment. It should be provided with door double lid, lock & key arrangement and strong castor wheel facility.		
	Temp. range	2°C to 25°C (Automatic and adjustable)	
	Compressor	Quiet in operation, energy efficient	
	Resolution	0.1 deg C or better	
	Capacity	350- 400 litre.	
	Voltage stabilization	Should be provided with stabilizer.	
	Power supply	230 ± 10 V AC, 50 Hz.	
	Warranty	Three years from the date of installation.	
	Refrigerant	Eco- friendly CFC free	
	Defrost	Auto	
	Display	Microprocessor controlled with LCD/LED for controlling and monitoring	
	Warranty	Three years from the date of installation.	
	Noise level	Less than 55db	
7. Digital Portable Barometer	Features:	Portable High Accuracy Barometer. Measures the actual barometric pressure.	
	Working temperature:	0°C to 55°C (32°F to 131°F).	
	Data field:	8 to 17 psi (~560 to 1170 mbar)	
	Accuracy:	3 hPa	
	Resolution	0.1 hPa	
	Conditions for the accuracy	100 to 900 m height. Normal battery voltage.	
	Altitude	Displayed in feet or meters	
	Operating Modes	Local pressure, sea level pressure from user set height, altitude from user set datum	
	Display	LCD with white LCD backlight. Stopwatch/time	



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Item Code with Instruments Name	Specifications specified by the Board		Remarks, if any
	Particular /Criteria	Requirement	
A	B1	B2	C
		of day clock	
	Calibration interval	180 days	
	Calibration adjustment	Zero and Span may be reset without affecting linearity.	
	Pressure units	mm Hg, PSI, in Hg, mbar, bar, kPa,	
	RESET:	Resets the memory. The height must be set again.	
	Process Features	Min/Max capture, leak test, damping rates, auto shutoff	
	Battery life	24 hr	
	Certificate	Supplied with Calibration Certificate Traceable to NIST	
	Communications	RS-232	
	Supplied all required accessories for measuring. Pressure port: Clean, dry, non-corrosive, non-combustible, non-oxidizing gases for all rated ranges.		
8 Dissolved Oxygen (D.O.) Meter	Microprocessor controlled Water tight, impact resistant and corrosion resistant housing. Mains (230 ± 10 volts/50 Hz AC) through charging transformer and rechargeable battery operated, Built-in storage pocket for Dissolved Oxygen cell, stand / carrying handle and shoulder strap.		
	Control	Microprocessor with functions automatically controlled	
	Modes	mg/l- % - °C	
	Dissolved Oxygen Concentration	0.0 to 50 mg/liter, % saturation 0 to 600 %	
	Accuracy	0.5% ±2 digit of measuring value(0.01 level)	
	Temperature compensation	0 to 50 °C	
	Salinity correction	0 to 40% salinity	
	Atmospheric Correction pressure	Automatically by integrated pressure sensor	
	Temperature Measurement range	0 to at least 50 °C	
	Auto Read	Automatic / Manual selectable	
	Ambient Temperature	Up to 50 °C	
	Calibration	Should be automatic and precise in water vapor saturated air/ in water, saturated with oxygen.	
	Calibration memory	Current calibration recallable	



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Item Code with Instruments Name	Specifications specified by the Board		Remarks, if any
	Particular /Criteria	Requirement	
A	B1	B2	C
	Display	LCD graphic display	
	Data memory	Manual 200	
	Data logger	Manual 200	
	Power supply	4 x 1.5 V rechargeable batteries	
	Protection Type	IP66/ IP 67	
	Shock Proof	Yes	
	UV Light & Dust Resistant	Yes	
	Rubber Armoring	Yes	
	Internal Diagnostics	Yes	
	Simultaneous Temperature Display	Yes	
	Sensor Validation	Yes	
	Warranty	Three years from the date of installation.	
	Electrode Specifications:- Should be membrane covered amperometric Oxygen Luminescence / Fluorescence Electrode /suitable for the measurement of DO up to 2 m depths / should be zero current free and pressure resistant. Equipped with protective hood for rough conditions, Rapid Response, Membrane leakage monitoring.		
	Accessories : System should be complete in all respect for Dissolved Oxygen measurement and should be provided with funnel set, stirring accessory, fixing ring, operational manual, dust cover, power cable, At least 5 meter electrode cord AC charger for batteries (230 ± 10 volts/50 Hz AC) and Should be provided with calibration and maintenance kit and storage holder.		
9 Filtration Assembly (Suction Pump For Suspended Solids)	Material	Stainless steel lid, funnel, base, clamp and filter support of SS perforated filter mesh with 6 place manifold	
	Filter diameter	47mm	
	Filtration area	12.5 cm ²	
	Funnel	Stainless steel, 47mm dia with 650 ml(minimum) Capacity.	
	Suction flask cup	2.0 litre	
	Connections	Outer diameter of base outlet 10mm.	
	Operating pressure	Vacuum only	
	VACUUM PUMP		
Type	Single phase motor with IP 44 type of protection, with carrying handle and sturdy		



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	Particular /Criteria	Requirement	
A	B1	B2	C
		rubber feet	
	Vacuum	Should be adequate for smooth filtration of water/waste water. The pump should be an oil free pump/diaphragm with continuous heavy duty type.	
	Flow rate/ rating	15 LPM (Maximum)/ 0.12 KW or 1/16 HP	
	Supply voltage	230=10VOLTS,50 Hz, Single phase AC	
	Ambient temperature	45°C (Maximum)	
	Warranty	Three years from the date of installation.	
	The Assembly should be complete with perforated Neoprene stopper, 2 nos. suction flask of 2 liter capacity, Vacuum hose pipes, stainless steel forceps, power cord with plug and toggle switch, and operating manual with standard tool kit.		
10. Flame Photometer	Description	System for the measurement of Sodium and Potassium in water and waste water samples, using the technique of flame emission photometry, comprising of an aspirator unit, oil free compressor, burner unit, filters and photo detector.	
	Measuring Range	Sodium - 0 to 100 mg/lit Potassium - 0 to 100 mg/lit	
	Accuracy & Reproducibility	± 2 %	
	Minimum Detection limit	Sodium – 0.2 mg/lit Potassium – 0.2 mg/lit	
	Detector	Photo conductive cell	
	Display	4 lines alphanumeric LCD readout with record for date & time	
	Operating air pressure	0.45 kg/cm ²	
	Filters	Filters for Sodium, Potassium should be inbuilt	
	Output	RS 232 interface, with printer post facility for hard copy.	
	Power requirement	230 ± 10V, 50 Hz AC	
	Air Compressor	Oil free air compressor,	



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Item Code with Instruments Name	Specifications specified by the Board		Remarks, if any
	Particular /Criteria	Requirement	
A	B1	B2	C
		built in air regulator and air filter to provide stable moisture free air supply	
	Warranty	Three years from the date of installation.	
	Other Requirements	To be supplied with dust cover, operating manual, Calibration Standards required (Sodium Standard 1000 mg/lit (CRM) & Potassium Standard 1000 mg/lit (CRM))	
11. Fume Hood	Size	1200 x 900 x 750 mm	
	Construction	Inner chamber shall be insulated by best quality heat & fire proof sheet and outer body is of thick mild steel sheet	
	Work Table	Shall be fitted with Acid / Alkali resistance granite	
	Door	Sash door of heat resistance toughened glass steel framed moves vertically up and down smoothly	
	Blower System	Exhaust Motor Blower consist of min. 1.5 HP Motor fitted with anti-corrosive FRP impeller having push button switch for ON-OFF	
	Sink	Stainless Steel Drip cup Sink	
	Fume Duct	Polypropylene duct pipe of sufficient dia. to reach the wall	
	Gas Outlet	The side wall of the fume hood should have the provision for gas outlet by stainless steel pipe with proper insulation and fitted with valve	
	Grill Type Stand	Should be fixed inside the fume hood with nut-bolt arrangement	
	Storage Compartment	Made of Stainless Steel with door	



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Item Code with Instruments Name	Specifications specified by the Board		Remarks, if any
	Particular /Criteria	Requirement	
A	B1	B2	C
	Power	220 volt single phase AC	
	Warranty	Three years from the date of installation.	
	Optional requirement	PVC fume duct of 6 inch diameter for exhaust gas	
12. Global Position System (GPS)	The Global Positioning system should indicate and record the exact locations / points visited with a date-wise folder. GPS With latest version software for data processing compatible with latest window operating system in Computer.		
	Operating temperature	- 2°C to 50°C	
	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.	
	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.	
	Memory & Antenna	Built-in flash memory & multi directional Antenna	
	Recording parameters	Time, Date, Location, Speed Heading, Latitude, Longitude and Altitude.	
	Battery	Battery with a long life for storage of relevant information at least for few months.	
	Weight	220 gms. with batteries	
	Waterproof:	Yes	
	Floats	Yes	
	High-sensitivity receiver	Yes	
Interface	High-speed USB and		



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Item Code with Instruments Name	Specifications specified by the Board		Remarks, if any
	Particular /Criteria	Requirement	
A	B1	B2	C
		NMEA 0183 compatible	
	Warranty	Three years from the date of installation.	
	Other Condition	1. The instrument and all its sub units should operate on 230 ± 10 volts 50 Hz power supply. 2. All the operation and maintenance manuals, circuit diagrams, application notes and application software to be supplied should be in English language. 3. The supplier / manufacturer should have Indian Facility to provide after sales service. 4. The main unit and all the sub units of the instrument should be serviced by the Indian representative of supplier.	
13. Heating Mantle (1KW)	Heating Mantle	Made of yarn providing uniform heating of flasks up to 250°C	
	Construction	Built In energy regulator, temperature controlled, indicator light fitted in painted metallic box	
	Holding capacity	Holding capacity for 1000 ml flask	
	Power requirement	220 ± 10 volt 50 Hz AC	
14. High Volume Sampler	Housing	Sturdy Aluminum cabinet and consist of Blower, Filter holder assembly, time totaliser, Real time timer, flow meter, Flow controller & flow measurement device with all indicating devices.	
	Heavy duty Blower	Brush less motor capable of giving free flow up to 1.7 M ³ /minute.	
	Power Supply	220 VAC \pm 10V, 50 Hz (Single Phase)	
	Flow Rate	1.1 to 1.7 M ³ /minute	
	Auto shut of timer	24 hour programmable	



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A	B1	B2	C
		digital timer to automatically shut off the system after pre-set time intervals. Flexible to set at any interval of time	
	Time Totalizer	0 – 9999.99 Hrs	
	Flow measurement	Glass Manometer tube accurately graduated directly in M ³ /min and calibrated across orifice	
	Weight	Easily transportable/portable	
	Area	As compact as possible	
	Standard Accessories	Equipment to be supplied with power cord, Operational & trouble shooting Manual (Two set) Calibration Certificate for flow meter.	
	Calibration Certificate	Calibration certificate must be provided with each instrument. Calibration of the equipment shall also be ensured during warranty.	
	Warranty	Three years from the date of installation.	
15. Hot Air Oven	Internal Chamber Size	60 X 60 X 60 cm	
	Mounting	Wheel mounting	
	Construction	Double wall stainless steel (SS 304) with inside mirror finish and outside chamber dull buff. Double wall insulated door with heavy hinges and door lock.	
	Insulation	75 mm gap between the walls should be filled with glass wool insulation to avoid thermal loss.	
	Temperature	5°C ambient to 250°C	
	Resolution	± 0.2°C	
	Temperature stability	± 1.0°C	
	Temperature uniformity	±2.5%	
	Programmable controller	Shall be available	
	Electrical Wiring	High quality fire retardant with contactor	
Control	Microprocessor based PID		



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A	B1	B2	C
		controller with digital display and PT-100 sensor with provision of time display.	
	Air Circulation	An inbuilt air circulation fan with motor to maintain temperature uniformly inside the chamber.	
	Timer	Digital with range 0-24 hrs automatic timer.	
	Rating KW	3 KW	
	Heater Quality	ISI marked heating element	
	Power Requirement	230 ±10 Volt, 50Hz AC	
	No. of Shelves	3 nos. adjustable (SS perforated adjustable shelves)	
	Safety System	Over temperature and temperature difference alarm and cut-off power supply in case the controller fails.	
	Accessories	To be provided with Temp. control, digital display of temperature, Power cord (At least five meters) and plug	
	Calibration	Manufacturer should provide calibration certificate. Calibration of the equipment shall also be ensured during warranty.	
	Warranty	Three years from the date of installation.	
16. Hot Plate With Magnetic Stirrer	Type	Compact with Stainless steel top heating plate. Hotplate-Should be chemically resistant to acid and alkali.	
	Width	200 to 250mm (Approx)	
	Depth	250 to 300mm (Approx)	
	Height	100 to 150 mm (Approx)	
	Speed	Up to 1200 RPM, provided with electronic speed regulator.	
	Heating element	Embedded long lasting Nichrome heating elements (2 KW) transfer heat across	



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A	B1	B2	C
		the entire top plate surface.	
	Temperature Range	Ambient to 200° C	
	Stirring Unit	Should be enclosed so that corrosive fumes do not enter it.	
	Stirring capacity	At least 2 liters (powerful motor of 150 watts motor rating input)	
	Heating capacity	1000 watts provided with energy regulator	
	Temperature uniformity	±1°C	
	Temperature stability	±0.5°C	
	Temperature indicator	Digital display. Controls for both hotplate and stirrer should be provided with suitable indicators.	
	Power	(230±10) volts/50 Hz AC operated	
	Accessories	Teflon coated Magnetic stirring bars (cylindrical 12 mm, 25 mm, 35 mm) 10 nos each with Holding rods/ supporting rods. Necessary electrical cables should be provided.	
17. Laminar Air Flow Bench	Construction	Regular, vertical with magnihellic gauge and class 100 fitted with HEPA Filters	
	Size	120 cm x 60 cm x 60 cm	
	Principle	Double filtration of Air	
	Particle retention	0.3 micron & above	
	Filters	Pre filter with 99.00 % with particle retention > 5 micron and HEPA filters with at least 99.97 efficiency for particulates of 0.3 micron or larger size on all the sides.	
	Protection	Grill for protection of HEPA filter	
	Noise level	60 decibel ± 5%	
Work Table	Made up of stainless steel (304) with a provision of cock for gas / burner on work table		



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A	B1	B2	C
	Front door	Acrylic transparent sheet, foldable type	
	UV Lamp	30/15 Watts	
	Normal working illumination	40 W fluorescent tube	
	Pressure	Static pressure manometer	
	Pressure Display	Preferably Digital static pressure indicator for air flow Measurement (Option: Incase, it could not be supplied then Inclined static pressure manometer for air flow measurement May be quoted).	
	Light level	Normal working fluorescent lights. The intensity should exceed 100 feet candles at work area.	
	Blower	Dynamically balanced and with at least 0.25HP electric motor 1440 rpm, mounted on anti vibration pad .	
	Housing	Epoxy powder coated GI sheet of 18 mm thickness.	
	Side panels	5 mm thick UV stabilized Polycarbonate sheet	
	Power Supply	230 ± 10 V / 50 Hz single phase A.C.	
	Warranty	Three years from the date of installation.	
	Accessories	Ultra Violet Light, static, pressure inclined manometer, Air/ Vacuum pet cock and burner.	
		The HEPA filter and manometer should be calibrated from NABL Accredited Calibration Laboratory. The calibration Certificate should also be provided.	
18. Muffle Furnace	Shall be designed for the environmental sample analysis applications like, inorganic solids, volatile solids & loss on ignition at 550°C and ash content at 800°C & 1000°C, using silica and platinum crucibles with low power consumption		
	Constructions	Dual shell furnace housing	



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		of rust free stainless steel material. Housing made of textured/mat finished stainless steel. Shall be compact and light weight. Multi layered high thermal efficient insulation with fiber plates in the furnace chamber.	
	Temperature Range	300°C to 1000°C	
	Size	Internal furnace cavity dimensions shall be 170 x 200 x 170 (w x d x h) mm.	
	Capacity	Volume of the furnace internal cavity shall be about 4 liters	
	Heating	Heating from two sides from heating elements in quartz tubes. Maintenance friendly replacement of heating elements and insulation.	
	Temperature Controller	Microprocessor based PID controller and digital temperature indicator	
	Display	LCD / LED	
	Door	Opening & closing with heat proof handle. Exhaust fume exit provision.	
	Power	230 ± 10V/50 Hz AC	
	Calibration and Inspection	Should have calibration and inspection certificate from factory. Calibration of the equipment shall also be ensured during warranty.	
	Certificates	Temperature & controller to be certified by a NABL recognized Laboratory.	
	Warranty	Comprehensive warranty for at least 3 years	
	Features	Highly insulated, Pilot lamp for thermostat operation, Safety interlock switch for open door	
19. Multi Parameter	A microprocessor based water analysis kit in a sturdy brief case capable of measuring pH/ conductivity/ Salinity, DO, Temperature. The equipment should have		



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A	B1	B2	C
Water Quality Analyzer	LCD display and it could be operated on battery and mains at 220 ± 10 volts 50 Hz with minimum 3 meter cable length or more of DO probe. Waterproof Handheld, protection for meter (IP67) and probe (IP68). Meter to accept both alkaline and rechargeable batteries.		
	pH		
	Range	0.00 to 14.00pH	
	Resolution	0.01pH	
	Accuracy	± 0.01 pH	
	Calibration	3 point	
	Sensor	Glass Combination Electrode or any other standard principle or operation	
	Temp. Compensation	Auto & Manual	
	Conductivity		
	Range	0 - 100 mS/cm or better	
	Resolution	0.1 µS/cm to 1 mS/cm or better (based on measuring range)	
	Accuracy	±2 % FS	
	Calibration	3 point	
	Sensor	Conductivity cells (0.1 to 5.0 CC) or any other standard principle or operation	
	Temp. Compensation	Auto & Manual	
	Salinity		
	Range	0 to 40 ppt	
	Resolution	0.1 ppt	
	Accuracy	± 2 of FS ± 1 digit	
	Sensor	Conductivity Cell (0.1 to 5.0 CC) or any other standard principle or operation	
	Temp. Compensation	Auto & Manual	
	Dissolved Oxygen		
	Range	0 to 20 ppm	
	Resolution	0.1 ppm	
	Accuracy	± 1 of FS /± 0.1	
	Sensor	Luminescence based Dissolved Oxygen sensor or any other standard principle or operation	
	Temp. Compensation	Auto & Manual	



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A	B1	B2	C
	Temperature		
	Range	- 5.0 to 100° C ± 1°C	
	Resolution	0.10 C	
	Accuracy	± 0.5° C ± 1digit	
	Sensor	PT100	
	Warranty	Three years from the date of installation.	
	Accessories	Main portable pH/Conductivity/D.O. Meter with pH/ATC probe with 3 meter cable length; Conductivity cell with 3 meter cable length; D.O. probe with 3 meter cable length with calibration kit; pH buffers; electrode storage solution, Conductivity Standard; Rinse Solution; Protective armor with probe holders; Hard carrying case and batteries(installed)	
	20. Noise Level Meter	Measurement Range	Should cover 20 - 140 dBA
Frequency Weighting		A, C and Z, Linear, Octave and 1/3rd octave	
Accuracy		Min. IEC 61672, ANSI S 1.4, IEC 61260	
Resolution		0.1 dB over Full Range	
Display		Color LCD or LED having contrast to be read in bright day light	
Error Indicator		Overload & under range indication	
Time Weighting		Switchable to different time intervals i.e. 1/8 Sec., 1 Sec., 10 Sec, slow, fast and impulse	
Power Supply		Rechargeable Battery suitable for minimum 8 hours logging	
Computer Interface		Data logging system with USB Port	
Calibration		Automatic calibration, Calibration of the	



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A	B1	B2	C
		equipment shall also be ensured during warranty.	
	Temperature	0°C to 55°C	
	Location Identifying facility	In-built GPS facility to be provided in the Sound Level Meter	
	Details of Software	Digital Leq. SPL, Lmax and Lmin over a programmable range.	
	Internal clock for date & time	Facility shall be available with the meter	
	Memory :	Sufficient memory to store at least 8 hrs. Data for all parameters given in modes and octave band analysis /8 GB memory card.	
		Octave Band Filter should be provided	
	Warranty	Three years from the date of installation.	
	Accessories Required		
	I	Calibrator (see specification)	
	II	Microphone – 2 nos., one with equipment and one additional (see specifications)	
	III	Tripod Stand – 1 no	
	IV	Wind Screen (two nos.)	
	V	Batteries as required	
	VI	Carrying Case or Kit	
	VII	Extension Cable with Pre Amplifier, Cable length 10 meters.	
	VIII	Operation and Maintenance Manual (Two set)	
	Specifications of Accessories		
	I. Calibrator		
	Level (dB)	: Two – one each in lower and higher range	
	Frequency	: 1 khz	
	Accuracy	: ± 0.3 dB at 25 ⁰ C	
	Adaptors	: 25 mm, 12.5 mm, 6.25 mm	
	II. Microphone		
	Operating Temperature : 0	0 to 55°C	



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A	B1	B2	C
	to 55°C		
	Range	: 20-140 dB (A)	
	III. Data Logger:		
	Summary data & time history, Max., Minimum, Peak, Ln, Leq, data logged Communications with data logger should be possible using a standard USB Port cable along with compatible modems in order to provide communication facilities (Radio/Telephone). Compatible software supplied with the data logger shall be able to handle all communication requirements.		
	IV. Further details/information required		
	i. Leq in bytes		
	ii. Built in memory in bytes		
	iii. In built data logger		
	iv. Details of software, in-built/spread sheet		
	v. Whether octave provided or not, If yes; its range		
	vi. Whether the software has facility for:-		
	(a) Retrieval Of short (1 sec) leq elements		
	(b) Retrieval Of short (1 sec) leq elements		
	vii. Calibration certificate of instrument and calibrator should be provided by bidder.		
21. Orsat Apparatus	The apparatus used for flue gas (O ₂ , CO ₂ & CO)		
	Orsat apparatus consists of a burette with 3 absorption pipettes.		
	Each pipette is controlled by separate glass stopcocks and all together with one.		
	In a hardwood carrying case with removable front and back panels.		
	One sample collecting bottle connected with Silicon Tubing.		
	Provision of opening from both sides.		
22. pH Meter Bench Top	Microprocessor based bench top pH meter for routine measurement of pH / mV & temperature with having dual power operating facilities (230 ± 10 V online power and 9 V rechargeable batteries) or mains operation and large multifunction digital display, automatic temperature compensation, and parallel temperature display, 5 - point calibration system in a set including gel filled pH combined electrode with inbuilt temperature sensor. The equipment should be water proof, light weight and portable with all accessories, standards (NIST Traceable) etc.		
	pH Range	0.0 0 to14.00 pH	
	Resolution	0.01 pH	
	Accuracy	± 0.01 pH	
	Calibration	Automatic 5 points	



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A	B1	B2	C
		calibration (pH 1.68, 4.01,7.00,10.01, 12.46)	
	mV Range	± 1999	
	Resolution	0.1 mV	
	Accuracy	± 0.1 mV	
	Temperature Range	0-50°C	
	Resolution	0.1 °C	
	Accuracy	± 0.1 °C	
	Temp. Compensation	Automatic	
	Reference Temperature	Selectable between 20 & 25°C	
	Power Supply	9V rechargeable batteries & online for 230 ± 10 V AC	
	Protection Type	IP66/IP 67	
	Internal Diagnostics / Self Test Facility	Yes	
	Splash Proof Housing	Yes	
	Display	LCD, Display of the condition of electrode with warning display	
	Simultaneous Temperature & pH Display	Simultaneous display of Temperature and pH	
	Membrane Keyboard with pressure defined points	Yes	
	USB Port	RS232C Interface to attach the normal printer / PC.	
	Sensor Validation	Yes	
	Combined Electrode Specifications	Combined (glass/reference), composed of epoxy, Ag/AgCl	
	Reference Electrolyte	One year replacement warranty	
	Temperature Sensor	Built in NTC	
	Electrode Maintenance solution	Suitable electrode filling solution for at least 2 years hassle free operation	
	Warranty	Three years from the date of installation.	
	Accessories :		
	Power cord, Operation and service manual (2 copies each), Electrode stand (preferentially Flexible) Beakers for calibration etc.		
	NIST traceable Standard buffers for 5 point calibration		
	Calibration certificate will be provided by the manufacturer.		



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A	B1	B2	C
23. Portable Petrol Engine Generator (3 KVA)	Small handy generators for mobile operation with petrol engine, low noise, electronic ignition. Control panel fitted onto the set. Automatic shutdown on low oil level.		
	Use	For laboratory (field Monitoring)	
	Maximum Output VA	3000 VA	
	Rated Power Output at 220v/50 Hz	2800 VA	
	Engine Type	Single Cylinder Air - Cooled	
	Starting System	Electric / Self Start / Recoil Start	
	Fuel Type	Petrol	
	Engine Control panel Display	i-monitor Equipped	
	Fuel Tank Capacity	12 L	
	Fuel Consumption	0.75 to 1.5 lit/hr	
	Noise Level (1M)	<75 dBA	
	Output Type	AC Single Phase	
	AC circuit Protection Device	Yes	
	Oil Alert System	Yes	
	Cooling Fan Indicator	Yes	
	Fule Level Guage	Yes	
	Overload Protection (NFB)	Yes	
	Costar Wheels	Yes	
Weight	< 65kg		
Warranty	Three years from the date of installation.		
Complete set of operating manuals			
24. Respirable Dust Samplers (Brushless & Noiseless)	Housing	Sturdy Aluminum cabinet and consist of Blower, Filter holder assembly, time totalizer, Real time timer, flow meter, Flow controller & flow measurement device with all indicating devices.	
	Heavy duty Blower	Brush less and totally noiseless motor capable of giving free flow up to 1.4 M3/minute, for at least 28 hrs continuous operation	
	Power Supply	230 ± 10 V ; 50 Hz (Single Phase)	
	Flow Rate	0.8 to 1.4 M3/minute free flow with flow stabilization	



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A	B1	B2	C
		by electronic flow control device	
	Auto Shut Off Timer	24 hour programmable digital timer to automatically shut off the system after pre-set time intervals. Flexible to set at any interval of time.	
	Time Totalizer	0 – 9999.99 Hrs	
	Flow controller	Automatic Electronic Feedback controller with pressure sensor to maintain Constant flow rate and compensate for dust load deposited on filter.	
	Flow measurement	Glass Manometer tube accurately graduated directly in M ³ /min and calibrated across orifice.	
	Auto Shut Off	Flow controller should have provision to automatically shut off the system if flow rate drops below 0.85m ³ /min in compliance with BIS 5182-part 23:2006.	
	Particulate Sampling / Separation	From 10 micron down to 0.1 micron on filter paper and coarse dust should be collected in a cyclonic cup as per BIS design.	
	Filter Holder	Aluminum Casting with fine finished rubber gasket.	
	Gaseous Sampling attachment	With thermoelectrically cooled controlled container.	
	Impinger Tubes	35 ml. capacity, 4 Nos. of Borosilicate glass midget impingers kept in thermoelectrically cooled facility for keeping the temperature of impingers around 15° C	
	Flow Control	Four Inlet and One outlet with built in Needle Valves for flow control of each unit & fitted with silica gel tubes.	



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A	B1	B2	C
	Control Valves	Fine control, Calibrated and independent control to each impingers in thermoelectrically cooled controlled container.	
	Rotameter Flow Rate	Acrylic, maximum of 0-3 lpm (Least count 0.1 LPM) capacity with calibration certificate should be provided by manufacturer.	
	Weight	Easily transportable/portable	
	Area	As compact as possible	
	Standard Accessories	Equipment to be supplied with power cord, Operational & trouble shooting Manual (Two set) Spares glass midget impingers 10 nos., Calibration Certificate for flow meter Rotameter & orifice.	
	Calibration Certificate	Calibration certificate must be provided with each instrument. Calibration of the equipment shall also be ensured during warranty.	
	Warranty	Three years from the date of installation.	
25. Analytical Balance (Semi Micro Balance)	Capacity	At least 200 gm or more	
	Readability	0.01 mg in full range or better	
	Tarring Facility	Entire range	
	Repeatability	0.015 mg upto 60 gms. and 0.025mg above 60 gms.	
	Display	Digital touch screen display	
	Calibration Adjustment	Should have internal calibration facility with an internal adjustment weight and provision for external calibration. Calibration mode- automatic time and temperature controlled in built adjustment	
	Linearity	0.1 mg in full scale	
Sensitivity Drift	Max. + 0.00015 % (If practically unable to show		



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A	B1	B2	C
		than manufacturers certificate may be considered)	
	Printing Port	Built in RS 232 Interface/ USB port for printer/ computer	
	Eccentric Load	0.2mg	
	Settling Time	< 5 Sec	
	Weighing Pan	Grid or Normal (78 x 73 mm)	
	Draft Shield	Automatic (Sensor or push button based) and detachable	
	Terminal	Display terminal detachable & adjustable	
	Level Control	Level control with warning signal	
	Protection	User administration & Password protection	
	Power Supply	Should operate on 230 ± 10 volts, 50 Hz, AC	
	Calibration Weight Box	Standard calibration weight set 1mg to 200gm of E1 Class traceable to National / International Standards with certificate (only one set for all Balances)	
Other Requirements	(i) To be supplied complete with dust cover, Operation & Service Manual (Two set), (ii) Manufacturer should provide calibration certificate. Calibration of the equipment shall also be ensured during warranty.		
26. Specific Ion Meter (Ion Analyzer)	Ion Concentration measurement	Range: 0.001-19900 ppb / ppm	
		Resolution: 1 count	
		Accuracy: ± 0.5%	
	Temperature Measurement	Range: 0 °C to +140 °C	
		Resolution: 0.1 °C	
		Accuracy : ± 1.0 °C	
Mili Volt Range	± 1500		
	0.1Mv		
	± 2.0 mV or ± 0.05%		



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A	B1	B2	C
	Timer	Date and time can be called up and recorded any time	
	Ready	Indication of stable value reached	
	Drift	<50 micro volt / °C	
	Display	Graphic LCD backlit display and feather touch keys.	
	Printer / Computer connectivity	Should have USB Port for attachment of Printer/ Computer.	
	Power Supply	9 Volt Line adapter for 230 ± 10 volts, 50 Hz, AC	
	Ambient conditions	Equipment shall be suitable for operation in ambient temperature i.e. 0-50°C and relative humidity of 2-98%.	
	Ion Selective Electrodes	Ion selective electrodes with standard electrolyte solution for measurement of Fluoride, Chloride, Cyanide, Sulphide, Nitrate, and Ammonia with at least Two years of shelf life	
	Spares and consumables	Should be supplied for two years trouble free operation.	
	Electrodes (Epoxy body combined solid state) & calibration standards		
	Fluoride electrode suitable for range of 0.02 ppm to saturation		
	Chloride electrode suitable for range of 1.80 to 19900 ppm or more		
	Nitrate electrode Combined liquid membrane, suitable for range of 0.1 to 14,000 ppm as N.		
	Ammonia electrode Combined high performance Gas sensing, suitable for range of 0.01 to 17000 ppm.		
	Cyanide electrode capable to measure Cyanide 0-10 ppm		
	Sulphide electrode capable to measure Sulphide 0-100 ppm		
	All electrodes should be supplied along with (60 ml X 5 nos. of each) Reference Electrode fill solution		
	Standard solutions NIST certified 500ml for Fluoride, Chloride, Cyanide, Sulphide, Nitrate, and Ammonia		
	Warranty	Three years from the date of installation.	



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Item Code with Instruments Name	Specifications specified by the Board		Remarks, if any
	Particular /Criteria	Requirement	
A	B1	B2	C
	Accessories		
	Should be supplied with Power cord, Dust cover, connecting cable, Power adapter, Operational Manual (Two Copies of each), Electrode Stand (Flexible) Beakers for Calibration.		
27. Stack Monitoring Kit	Instrument Panel		
	Manometer	Digital with 0-1300 mm of H ₂ O range	
	Stack velocity Range	3 to 60 m/sec	
	Particulate Matter Sampling	0 to 60 LPM,	
	Gaseous Sampling	0 – 3 LPM collection in a set of borosilicate glass impingers	
	Rotameter	Plastic body rotameter with 2% FSD accuracy, 0-60 lpm for particulates and 0-3 lpm for gases	
	Digital Clock	0-60 minutes, 1 second readout with start and stop switches	
	Pyrometer Range	Ambient to 600°C (Digital display) and 500-1000°C read separate digital pyrometers.	
	Thermocouple	Thermocouple sensor SS 304 casing with digital display capable of measuring temperature from 0 to 600°C covered with acid resistant casing and appropriate length (length same as that of pitot tube with 2 M long cable).	
		Separate suitable thermocouple with digital display capable of measuring temp. from 500°C to 1000 °C covered with acid resistant casings and appropriate length same as that of pitot tube with 2 M long cable).	
	Oil Free Vacuum Pump Assembly		
	Rotary design and oil free vacuum pump with moisture trap and should be portable.		



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Item Code with Instruments Name	Specifications specified by the Board		Remarks, if any	
	Particular /Criteria	Requirement		
A	B1	B2	C	
	Flow	Capable to ensure 60 LPM effective gas flow		
	Weight	Vacuum pump should be light weight (Weight should be less than 10 Kg)		
	Pipes	Two set of all required connecting pipes (hose) with leak proof joints. One additional 10 meters length pipe (hose).		
	Pump Housing	Mild steel case with oven-baked stove-enamel finish and ON/OFF switch with indicator lights.		
	Power	Single phase motor, 230 ± 10V.		
	Nozzles, Pitot & Sampling Probe			
	Set of iso kinetic Samples Nozzles	3 set of nozzles (minimum 4 nos. sizing 1/8", 1/4", 3/8", 1/2") fabricated from SS 304 or equivalent material with internal diameter suitable to cover the full range of stack velocities. The leading edge of the nozzle should be sharp and tapered.		
	Sampling Probe and 'S' – type pitot tubes	Modified S- type pitote tube shall be fabricated from SS 304. Calibration certificate should be provided for each pitote tube (0.6 m extendable to 1.2 mtr)		
	Sampling Probe	Fabricated from SS 304 tube of suitable diameter (not less than 15 mm ID). The lengths of the Pitot tube and the sampling probes shall be of 1.5m extendable to 2 meter.		
	Thimble Holder	Made of SS 304 tube suitable to hold cellulose/glass filtration thimble (size 28mm ID x 100 mm long) or glass micro fiber thimble (size 19mm ID x 90 mm long)		



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Item Code with Instruments Name	Specifications specified by the Board		Remarks, if any
	Particular /Criteria	Requirement	
A	B1	B2	C
	Dry Gas Meter	In built dry gas meter heaving resolution of one liter	
	Cold Boxes for Impingers & Back Panel		
	Cold Boxes for Impingers	Four impingers of 120 ml and two numbers of 250 ml capacity Borosilicate glass impingers. Facility should be there for keeping ice at the bottom of impinger box. Thermo electric cooling is desirable	
	Back Panel	Hinged door panel of mild steel to contain cold box with 5 impingers or cold box can be provided separately.	
	Calibration	Calibration certificates for Manometer, Rotameter, Pitot tube, Nozzles, Thermocouple and Dry gas meter etc. should be provided. Calibration of the equipment shall also be ensured during warranty.	
	Warranty	Three years from the date of installation.	
	Tools	A kit containing the essential tools required for connecting various components shall be provided with the equipment. Tripod stand	
28. Total Kjeldahl Nitrogen Analyzer (TKN Analyzer)	TKN system consists of digestion unit, acid fume scrubbing unit and distillation unit for the estimation of total kjeldhal nitrogen in water, industrial effluents, solid wastes, etc., samples.		
	Digestion unit		
	Automated with integrated programmable control		
	Capacity for 12 x 250 ml digestion tubes		
	Shall have electrically heated aluminum metal block with casted aluminum alloy heaters.		
	Should have the capacity to accommodate at least twelve numbers of digestion tubes each of at least 250ml capacity.		
Should be capable of providing a temperature range from 100°C - 440°C With ±10°C repeatability			



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Item Code with Instruments Name	Specifications specified by the Board		Remarks, if any
	Particular /Criteria	Requirement	
A	B1	B2	C
	Should have inbuilt temperature controller with digital display and LED display along-with manual temperature adjustment.		
	Heating time setting with steps from 1- 150 minutes		
	Should have leak proof integrated condensers (fumes carriers) made up of glass, fixed on a movable panel along-with adaptor for outlet to the scrubber unit.		
	Proper digestion exhausts system.		
	Scrubber unit		
	Effective acid fume suction and neutralization scrubber with alkali and water (two-stage) using non-corrosive and oil-free centrifugal suction type, with manual vacuum adjustment facility. Acid resistant tubing inter connections.		
	Distillation unit		
	Fully automatic microprocessor based distillation unit.		
	Recovery more than 99.5 % at nitrogen levels between 1- 200 mg/l.		
	Reproducibility 1% RSD		
	Detection limit : > 0.1 mg N		
	Programmable for sample dilution, alkali and boric acid additions, distillate volume setting, tube emptying, including all level sensors with tanks, etc.		
	System to process stop in case of accidental breakage of sample tube		
	Validated procedure/ certification for TKN distillation like AOAC, EPA, DIN, ISO etc		
	Should be made of standard quality borosilicate glass for steam generator along with heater. Steam inlet tube shall be of PTFE.		
	Should possess a steam generator made-up of borosilicate glass and easy cleaning facility along		
	Automatic sensing no water condition in the condenser with auto alarm		
	Distillation unit is equipped with sensors for safety door, distillate temperature and water level as well.		
	Automatic and precise dosage of boric acid		
	Should have ventilation valve.		
	Should have timer for 5 - 15 minutes with audio signal.		
	Steam inlet tube should be of PTFE.		
	Should have quick clamping device for digestion tube with adaptor		
	Can able to monitor and measurement of distillate temperature		
	All the three units should be operated on 230 ±10 Volts, 50 Hz, AC power supply.		



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Item Code with Instruments Name	Specifications specified by the Board		Remarks, if any
	Particular /Criteria	Requirement	
A	B1	B2	C
	Accessories		
	2 set of digestion tubes (24 tubes), Digestion tube stand, Spillage tray for the condensers, Tube removing device and operating manuals.		
	Warranty: Three years from the date of installation.		
29. Turbidity Meter	Should be laboratory bench top turbidity meter suitable for measurements even for colored samples with Auto shut off with following specifications.		
	Display	Digital	
	Measuring Ranges	0.00 - 10 NTU; 10-100 NTU; 100 – 1000 NTU	
	Range selection	Automatic / manual	
	Resolution	0.01 NTU, upto 9.99 NTU	
		0.1 NTU from 10 to 99.99 NTU	
		1 NTU from 100 to 999.99 NTU	
	Accuracy	± 2% of reading or 0.02 NTU	
	Repeatability	± 1 % of reading or 0.02 NTU, whichever is greater	
	Stray light	Less than 0.02 NTU	
	Light Source	Light emitting Diode for colorless samples and IR LED (Should cover both visible and IR range)	
	Measuring mode	Normal, average, continuous	
	Power requirement	230 ± 10Volts / 50 Hz AC	
	Data Logging	Optional USB connectivity.	
	Calibration	4 Point calibration with vials for four standards .	
	Calibration	Calibration certificate will be provided by manufacturer. Calibration of the equipment shall also be ensured during warranty.	
	Warranty	Three years from the date of installation.	
Accessories			
Should be provided with operation & maintenance Manual (Two Sets), Cable and plug, and dust cover			
Cuvettes and Cuvette stand (One Cuvette stand and ten Cuvettes).			
The NIST certified Standards (with certificates) should be supplied with 500 ml of each standard according to 4			



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Item Code with Instruments Name	Specifications specified by the Board		Remarks, if any
	Particular /Criteria	Requirement	
A	B1	B2	C
	point Calibration.		
30. UV - Visible Spectrophotometer (PC-Controlled)	Description	Real Double beam digital microprocessor control automatic scanning and fully controlled by external PC using Windows based software.	
	Operating Mode	Transmittance (%), Absorbance and Concentration.	
	Light Source	Tungsten-halogen and deuterium lamp with selectable switching facility.	
	Wavelength Range	190-1100 nm range	
	Wavelength Accuracy	better than or equal to ± 0.2 nm	
	Wavelength Repeatability	better than or equal to ± 0.1 nm	
	Band Pass Range	2 nm or smaller	
	Scan Speed	5 to 3000 nm/min	
	Photometric Drift	0.0003 absorbance units/hour at 340 nm	
	Noise Level	Should be 0.0005 A or better.	
	Stray Light	Less than 0.1 % at 220 nm & 340 nm	
	Computer & Printer	The personal computer with latest processor/configuration (Core i5 processor or better, minimum 4 GB RAM, 1 TB hard disk, DVD writer, with minimum 21" LED monitor, Optical Mouse, keyboard and LaserJet Printer) should be supplied along with the instrument. The latest OS (windows 10 or better software which is compatible with the UV-VIS software) should be supplied along with original license key of windows and Microsoft office. Latest Configuration branded color laser printer along	



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Item Code with Instruments Name	Specifications specified by the Board		Remarks, if any
	Particular /Criteria	Requirement	
A	B1	B2	C
		with Licensed application software, anti virus software with licensed CD.	
	Power Requirement	230 ± 10 V 50 Hz AC	
	Warranty	Three years from the date of installation.	
	Accessories		
	Spare Parts	Essential spares parts for five year of operation	
	Voltage Stabilizer	One No. of required capacity	
	Dust Cover	Two set	
	Operation Manual	Two set	
	Matching Cuvettes	Six pairs	
31.Spectrophotometer Visible	Micro processor based single beam grating based single detector Spectrophotometer. The unit should have built in self diagnostics and the sampling compartment should have compatibility for round cells, square cuvettes.		
	Optical System	Single beam grating based single detector	
	Wavelength Range	340 - 1100 nm	
	Spectral Bandwidth	5nm or better	
	Accuracy	Better than or equal to 1 nm	
	Readability	±1 nm	
	Photometric Resolution	0.1% T 0.001 Abs	
	Measuring Mode	Abs, %T, C and K factor	
	Measuring mode - Value	Abs 0.0 to 1.999 %T 0.00 to 100%	
	Lamp type	Tungsten-Halogen lamp. D2 lamp	
	Accuracy	Better than 1% or 0.005 A	
	Readout	Digital LCD or LED. Selectable for Transmittance (T), Absorbance (A), Concentration (C) with auto zero facility.	
	Cell Holder	For holding up to 50 mm path length rectangular cuvette	
	Interface	RS-232 C	
Power Requirement	230 + 10 Volt, 50Hz.		
Certificate	Certificate are to be		



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Item Code with Instruments Name	Specifications specified by the Board		Remarks, if any
	Particular /Criteria	Requirement	
A	B1	B2	C
		enclosed from manufacturer regarding ISO 9001:2015 and other accreditation certificate from the National or International reputed (Whichever is applicable).	
	Calibration	Calibration of the equipment shall also be ensured during warranty.	
	Warranty	Three years from the date of installation	
	Accessories		
	Two pair quartz Cuvette (at least 10 nm path length), 02 operating manual (English), Dust cover.		
32. Water Bath (Thermostatic)	Construction	Double walled, inner & outer made of SS 304 and with proper insulation between two walls.	
	Temperature range	5°C above ambient to 100°C	
	Temperature accuracy	± 1°C	
	Temperature Uniformity	± 1°C	
	Holes	12 holes with 3" dia. Adjustable concentric rings to use flasks from 50 to 500 ml capacity.	
	Temperature Control Primary	PID Controller	
	Secondary (safety control)	Hydraulic thermostat controller	
	Temperature sensor	100 Pt RTD	
	Display	LED/ LCD to show temperature	
	Bath Capacity	10 Liters	
	Water Low-level cutoff	Yes, adjustable	
	Working depth	6"	
	Power	230 Volt AC, 50 Hz	
	Base	Grounding should be with rubber bushes.	
Spares	One heater spare set shall be provided.		
Warranty	Three years from the date of installation.		
33. Water	Double distillation unit with water softener designed according to quality of feed water, Compact vertical		



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Item Code with Instruments Name	Specifications specified by the Board		Remarks, if any
	Particular /Criteria	Requirement	
A	B1	B2	C
Distillation Assembly	design,		
	Water output	3 Ltr/hour	
	Quartz make	Double walled condenser	
	Power cutoff and safety control unit	Controlled power supply	
	Boiler and Condenser	Quartz Boiler and Condenser, Should have large boiling space. Minimum Cooling Water Requirement.	
	Ease of Cleaning	Dismantle and Reassembly	
	Specific Conductivity	0.1-0.5 μ s/cm	
	Biological Activity (Distillate quality)	Pyrogen free	
	pH	6.0-7.0	
	Organic Matter	Nil	
	Total Solids	0.1 mg/Ltr	
	Silica	<0.01 mg/Ltr	
	Water Softener	To remove the salts from the water for longevity of the distillation unit	
	Free Service:	For 1 year after expiry of warranty	
	Electric Requirement	Single Phase 230 \pm 10 Volts	
Auto Cut (With Alarm) in reference to Water Flow and Temperature.			
Compact and easy to install and should be an ISO certified.			
34. Washer (Laboratory Glassware)	For washing and drying general laboratory glassware like Large, open mouth glassware, Narrow neck flasks, beakers, petri dishes, glass tubes, pipettes etc. Washing chamber made up of corrosion resistant stainless steel; all components constructed of stainless steel to the effects of detergents, additives and general laboratory chemical residues; robust construction; effective insulation against heat loss. Maximum space utilization design and caster wheel mounted.		
	Capacity	Chamber volume 200litres	
	Construction	Interior work area: 316L stainless Steel	
		Exterior body : 304 stainless steel	
		Washer trolley: 304 stainless steel	



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Item Code with Instruments Name	Specifications specified by the Board		Remarks, if any
	Particular /Criteria	Requirement	
A	B1	B2	C
	Controlling system	Microprocessor/ microcontroller based Programmable controller for setting the parameters like temperature, Time and custom washing methods. Programmable for different washing steps such Pre-Wash, Wash, Running Water, Hot Water Washing, Drying etc. in one washing cycle.	
	Display	LED/LCD display	
	Loading System	Front Loading Drop-down Door	
	Temperature	The water temperature can be adjustable to 70 ^o C.	
	Drying System	Forced Air Drying System blows hot air (HEPA filtered) into the chamber	
		Built-in Water Softener	
	Noise Level	Noise Level <50db	
	Alarm	Alarm for drainage high water heating, drainage malfunction alarm, detergent shortage alarm etc.	
	Power	Voltage: 240 VAC ±10 %, 50 Hz	
	Certificate	Certificate are to be enclosed from manufacturer regarding ISO 9001:2015 and other accreditation certificate from the National or International reputed (Whichever is applicable).	
	Warranty	Three years from the date of installation.	
	Other Requirement	Operating manual, Power cable, plug, required standard toolkit	
	Accessories	Required Glassware Racks and Supports	



**CERTIFICATE OF CONFORMITY/ NO DEVIATION WITH RESPECT TO BOARD'S
TECHNICAL SPECIFICATIONS**

{To be filled by the manufacturer}

Please fill the following compliance sheet with respect to specifications offered equipments.

Item Codes	Name of Equipment	Specification of equipment (Only one make and model)	Original equipment manufacturer Details (Name, Address, E-Mail, Mobile Nos.)	Remarks
1.	Autoclave			
2.	Bacteriological Incubator			
3.	BOD Incubator			
4.	COD Digester with Air Condensers			
5.	Conductivity Meter (Bench Top Model)			
6.	Deep Freezer			
7.	Digital Portable Barometer			
8.	Dissolved Oxygen (DO) Meter			
9.	Filtration assembly with suction system for Suspended Solids			
10.	Flame Photometer			
11.	Fume Hood			
12.	Global Position System (GPS) with dust cover			
13.	Heating Mantle of 1.0 L			
14.	High Volume Sampler			
15.	Hot Air Oven			
16.	Hot Plate with Magnetic Stirrer			
17.	Laminar Flow			



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18.	Muffle Furnace			
19.	Multi Parameter Water Quality Analyzer Kit			
20.	Noise Level Meter			
21.	Orsat Gas Apparatus			
22.	pH meter Bench type			
23.	Portable Petrol Engine Generator (3 KVA)			
24.	Respirable Dust Samplers (Brush less & Noise Less)			
25.	Semi Micro Balance			
26.	Specific Ion Meter (Ion Analyser)			
27.	Stack Monitoring Kit			
28.	Total Kjeldahl Nitrogen Analyzer (TKN)			
29.	Turbidity Meter (Bench Top Model)			
30.	UV-Visible Spectrophotometer (PC Controlled)			
31.	Visible Spectrophotometer			
32.	Water Bath(Thermostatic)			
33.	Water Double Distillation Unit			
34.	Washer (Laboratory Glassware)			

I/We declare that make/model submitted by us is in conformities with specifications given in tender document. There will be no deviation of specified parameters /specifications.

Place:
Date:

Signature of Authorized Signatory
Name and Designation
Seal

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Website: <http://www.rpcb.nic.in>, email: member-secretary@rpcb.nic.in**ANNEXURE –III****Bid Form For Price Bid For****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 Bid)**

S. No.	Item Code	Name of the Instrument / Equipment	Quantity	Name of Currency	Unit Price (excluding Tax / custom duty rates) (in figure & words)	Amount of Taxes and other expenditures (GST, Freight charges etc.)	Total Amount (F.O.R. RSPCB Delivery Destination) including all charges (in figure & words) indicate the Name of Currency.
1	2	3	4	5	6	7	8
1.	1.	Autoclave	12				
2.	2.	Bacteriological Incubator	12				
3.	3.	BOD Incubator	12				
4.	4.	COD Digester with Air Condensers	14				
5.	5.	Conductivity Meter (Bench Top Model)	12				
6.	6.	Deep Freezer	16				
7.	7.	Digital Portable Barometer	17				
8.	8.	Dissolved Oxygen (DO) Meter	6				
9.	9.	Filtration assembly with suction system for Suspended Solids	11				
10.	10.	Flame Photometer	6				
11.	11.	Fume Hood	21				
12.	12.	Global Position System (GPS) with dust cover	17				
13.	13.	Heating Mantle of 1.0 L	32				
14.	14.	High Volume Sampler	34				
15.	15.	Hot Air Oven	12				
16.	16.	Hot Plate with Magnetic Stirrer	17				
17.	17.	Laminar Flow	6				



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18.	18.	Muffle Furnace	11				
19.	19.	Multi Parameter Water Quality Analyzer Kit	16				
20.	20.	Noise Level Meter	32				
21.	21.	Orsat Gas Apparatus	17				
22.	22.	pH meter Bench type	13				
23.	23.	Portable Petrol Engine Generator (3 KVA)	32				
24.	24.	Respirable Dust Samplers (Brush less & Noise Less)	40				
25.	25.	Semi Micro Balance	23				
26.	26.	Specific Ion Meter (Ion Analyzer)	6				
27.	27.	Stack Monitoring Kit	21				
28.	28.	Total Kjeldahl Nitrogen Analyzer (TKN)	6				
29.	29.	Turbidity Meter (Bench Top Model)	6				
30.	30.	UV-Visible Spectrophotometer (PC Controlled)	7				
31.	31.	Visible Spectrophotometer	14				
32.	32.	Water Bath(Thermostatic)	7				
33.	33.	Water Double Distillation Unit	11				
34.	34.	Washer (Laboratory Glassware)	18				

Price Bid Should be inclusive of AMC charges for Five years after completion of three years comprehensive Warranty period.

NOTE:-

1. The cost should be quoted inclusive of all components and accessories required for equipment as mentioned in specifications.

Signature with date & stamp of the bidder



ANNEXURE – IV

UNDERTAKING

(To be submitted by bidder on 500/- Non Judicial Stamp Paper)

BID NOTICE No. RSPCB/LAB/INSTRUMENTS/2020-2021/01,

Dated:-

**THE MEMBER SECRETARY,
RAJASTHAN STATE POLLUTION CONTROL BOARD,
4, INSTITUTIONAL AREA, JHALANA DOONGARI,
JAIPUR Rajasthan (India).
302004**

I/ we have thoroughly read the bidding document and by signing this certificate, we hereby submit our token of unconditional acceptance to all the general terms & conditions of the bidding document without any deviations and assumptions.

I/We have examined the conditions of Bid Document and specifications of the instruments/equipments, the receipt of which is hereby acknowledged. We, the undersigned, offer to supply, deliver and install the (Name of equipment / instrument with Code no.) :

The above supply, installation shall be in conformity with the specifications and conditions of bid.

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

I/We agree to abide by this bid for a period of 120 days from the date fixed for Bid opening and it shall remain binding upon us and may be accepted at any time before expiry of that period.

I/We are submitting a Demand Draft (Payable At Jaipur) for Rs..... in favour of “Member Secretary Rajasthan State Pollution Control Board”, Jaipur towards the Bid Security.

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

I/ We declare that I am/we are bonafide/ Manufacturers/Authorized Service and Support Provider in the goods/stores/equipment/software for which I/ We have quoted.

If this declaration is found to be incorrect then without prejudice to any other action that may be taken, my/ our Bid Security may be forfeited in full and the bid, if any, to the extent accepted may be cancelled.

Dated this.....day of.....2020.

Place

Signature of Authorized Signatory ,
Name with Stamp & full Address.



ANNEXURE – V

List of Instruments/ Equipments with code no. and delivery destination.

S.No	Name of Instrument	Instrument / Equipment code No	Approx. Qty. (Nos.)	Estimated Cost of Total Qty (Rs. In Lacs.)	Delivery Destination in form of Laboratory code along with quantities to be supplied (Pls. refer code list @) Annexure-VI)
1	Autoclave	01	12	12	CL JPR(2), ALW(2), BWD(2), JDR(2), KOT (2) & UDR(2).
2	Bacteriological Incubator	02	12	6.0	CL JPR(2), ALW(2), BWD(2), JDR(2), KOT (2) & UDR(2)
3	BOD Incubator	03	12	19.2	CL JPR(1), BAL(1), BHR(1), BHL(1), BKR(1), CTG(1), JPR-N(1), JPR-S(1), JDR(1), KIG(1), PAL(1) & SKR(1)
4	COD Digester with Air Condensers	04	14	28	CL JPR(2), ALW(1), BAL(1), BHR(1), BHL(1), BKR(1), CTG(1), JPR-N(1), JPR-S(1), KIG(1), KOT (1), PAL(1) & SKR(1)
5	Conductivity Meter (Bench Top Model)	05	12	6.0	CL JPR(1), BAL(1), BHR(1), BHL(1), BKR(1), CTG(1), JPR-N(1), JPR-S(1), KIG(1), KOT (1), PAL(1) & SKR(1)
6	Deep Freezer	06	16	11.2	CL JPR(1), ALW(1), BAL(1), BHR(1), BHL(1), BWD(1), BKR(1), CTG(1), JPR-N(1), JPR-S(1), JDR(1), KIG(1), KOT(1), PAL(1), SKR(1) & UDR(1)
7	Digital Portable Barometer	07	17	8.5	CL JPR(2), ALW(1), BAL(1), BHR(1), BHL(1), BWD(1), BKR(1), CTG(1), JPR-N(1), JPR-S(1), JDR(1), KIG(1), KOT(1), PAL(1), SKR(1) & UDR(1)
8	Dissolved Oxygen (D.O) Meter	08	06	6.0	CL JPR(1), ALW(1), BWD(1), JDR(1), KOT (1) & UDR(1)



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9	Filtration Assembly with Suction System (For Suspended Solids)	09	11	7.7	CL JPR(1), BAL(1), BHR(1), BHL(1), BKR(1), CTG(1), JPR-N(1), JPR-S(1), KIG(1), PAL(1) & SKR(1)
10	Flame Photometer	10	06	6.0	CL JPR(1), ALW(1), BWD(1), JDR(1), KOT (1) & UDR(1)
11	Fume Hood	11	21	52.5	BAL(2), BHR(2), BHL(2), BKR(2), CTG(2), JPR-N(2), JPR-S(2), KIG(2), KOT (1), PAL(2) & SKR(2)
12	Global Position System (GPS)	12	17	10.2	CL JPR(2), ALW(1), BAL(1), BHR(1), BHL(1), BWD(1), BKR(1), CTG(1), JPR-N(1), JPR-S(1), JDR(1), KIG(1), KOT(1), PAL(1), SKR(1) & UDR(1)
13	Heating Mantle (1KW)	13	32	6.72	CL JPR(2), ALW(2), BAL(2), BHR(2), BHL(2), BWD(2), BKR(2), CTG(2), JPR-N(2), JPR-S(2), JDR(2), KIG(2), KOT(2), PAL(2), SKR(2) & UDR(2)
14	High Volume Air Sampler	14	34	25.5	CL JPR(4), ALW(2), BAL(2), BHR(2), BHL(2), BWD(2), BKR(2), CTG(2), JPR-N(2), JPR-S(2), JDR(2), KIG(2), KOT(2), PAL(2), SKR(2) & UDR(2)
15	Hot Air Oven	15	12	7.2	CL JPR(1), BAL(1), BHR(1), BHL(1), BKR(1), CTG(1), JPR-N(1), JPR-S(1), KIG(1), JDR (1), PAL(1) & SKR(1)
16	Hot Plate with Magnetic Stirrer	16	17	8.5	CL JPR(2), ALW(1), BAL(1), BHR(1), BHL(1), BWD(1), BKR(1), CTG(1), JPR-N(1), JPR-S(1), JDR(1), KIG(1), KOT(1), PAL(1), SKR(1) & UDR(1)
17	Laminar Flow	17	06	12.0	CL JPR(1), ALW(1), BWD(1), JDR(1), KOT (1) & UDR(1),
18	Muffle Furnace	18	11	8.8	CL JPR(1), BAL(1), BHR(1), BHL(1), BKR(1), CTG(1), JPR-N(1), JPR-S(1), KIG(1), PAL(1) & SKR(1)
19	Multi Parameter Water Quality Analyzer Kit	19	16	8.0	CL JPR(1), ALW(1), BAL(1), BHR(1), BHL(1), BWD(1), BKR(1), CTG(1), JPR-N(1), JPR-S(1), JDR(1), KIG(1), KOT(1), PAL(1), SKR(1)



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					& UDR(1)
20	Noise Level Meter	20	32	56.0	CL JPR(2), ALW(2), BAL(2), BHR(2), BHL(2), BWD(2), BKR(2), CTG(2), JPR-N(2), JPR-S(2), JDR(2), KIG(2), KOT(2), PAL(2), SKR(2) & UDR(2)
21	Orsat Gas Apparatus	21	17	5.1	CL JPR(2), ALW(1), BAL(1), BHR(1), BHL(1), BWD(1), BKR(1), CTG(1), JPR-N(1), JPR-S(1), JDR(1), KIG(1), KOT(1), PAL(1), SKR(1) & UDR(1)
22	pH meter Bench type	22	13	7.8	CL JPR(1), BAL(1), BHR(1), BHL(1), BKR(1), CTG(1), JPR-N(1), JPR-S(1), JDR(1), KIG(1), KOT (1), PAL(1) & SKR(1)
23	Portable Petrol Engine Generator 3 KVA	23	32	32	CL JPR(2), ALW(2), BAL(2), BHR(2), BHL(2), BWD(2), BKR(2), CTG(2), JPR-N(2), JPR-S(2), JDR(2), KIG(2), KOT(2), PAL(2), SKR(2) & UDR(2)
24	Respirable Dust Samplers (Brush less & Noise Less)	24	40	40.0	CL JPR(10), ALW(2), BAL(2), BHR(2), BHL(2), BWD(2), BKR(2), CTG(2), JPR-N(2), JPR-S(2), JDR(2), KIG(2), KOT(2), PAL(2), SKR(2) & UDR(2)
25	Semi Micro Balance	25	23	28.75	CL JPR(3), ALW(2), BAL(1), BHR(1), BHL(1), BWD(2), BKR(1), CTG(1), JPR-N(1), JPR-S(1), JDR(2), KIG(1), KOT(2), PAL(1), SKR(1) & UDR(2)
26	Specific Ion Meter (Ion Analyzer)	26	06	48.0	CL JPR(1), ALW(1), BWD(1), JDR(1), KOT (1) & UDR(1),
27	Stack Monitoring Kit	27	21	31.5	CL JPR(3), ALW(2), BAL(1), BHR(1), BHL(1), BWD(1), BKR(1), CTG(1), JPR-N(1), JPR-S(1), JDR(2), KIG(1), KOT(1), PAL(1), SKR(1) & UDR(2)
28	Total Kjeldahl Nitrogen Analyser (TKN Analyser)	28	06	60.0	CL JPR(1), ALW(1), BWD(1), JDR(1), KOT (1) & UDR(1).



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29	Turbidity Meter (Bench Top Model)	29	06	6.0	CL JPR(1), ALW(1), BWD(1), JDR(1), KOT (1) & UDR(1),
30	UV-Visible Spectrophotometer (PC Controlled)	30	07	24.5	CL JPR(2), ALW(1), BWD(1), JDR(1), KOT (1) & UDR(1),
31	Visible Spectrophotometer	31	14	9.8	ALW(1), BAL(1), BHR(1), BHL(1), BKR(1), CTG(1), JPR-N(1), JPR-S(1), JDR(1), KIG(1), KOT (1), PAL(1) & SKR(1) & UDR(1)
32	Water Bath	32	07	4.2	CL JPR(2), ALW(1), BWD(1), JDR(1), KOT (1) & UDR(1),
33	Water Distillation Assembly	33	11	5.5	CL JPR(1), BAL(1), BHR(1), BHL(1), BKR(1), CTG(1), JPR-N(1), JPR-S(1), KIG(1), PAL(1) & SKR(1)
34	Washer for Glass wares (Dish Washer)	34	18	22.5	CL JPR(3), ALW(1), BAL(1), BHR(1), BHL(1), BWD(1), BKR(1), CTG(1), JPR-N(1), JPR-S(1), JDR(1), KIG(1), KOT(1), PAL(1), SKR(1) & UDR(1)
Total Tender Cost				631.67	



ANNEXURE – VI

LIST OF LABORATORIES OF RSPCB WITH CODE NOS. LOCATED IN RAJASTHAN

S. No.	Name of Laboratory	Laboratory Code	Location
1.	Central Laboratory, Head Office, Jaipur	CL JPR	4, Paryavaran Marg, Institutional Area, Jhalana Doongri, Jaipur.
2.	Regional Laboratory, Alwar	ALW	D- Block, Ambedkar Nagar, Alwar
3.	Regional Laboratory, Balotra	BAL	Jasol Fanta, In front of Jd.V.V.N.L. Office, Balotara, Distt.-Barmer
4.	Regional Laboratory, Bharatpur	BHR	225, Sawarna Jayanti Nagar, Bhartpur.
5.	Regional Laboratory, Bhilwara	BHL	18, Ajad Nagar, Pannadhay Circle, Bhilwara
6.	Regional Laboratory, Bhiwadi	BWD	G-1, Phase II, Phool Bagh Chouk, RIICO Industrial Area, Bhiwadi, Dist.-Alwar
7.	Regional Laboratory, Bikaner	BKR	Spl 33, Phase-II Bichhwal Ind. Area, Bikaner
8.	Regional Laboratory, Chittorgarh	CTG	Near FCI Godown, Chanderia, Chittorgarh.
9.	Regional Laboratory, Jaipur (N)	JPR-N	Opp. Road no-5, VKI, Sikar Road, Jaipur
10.	Regional Laboratory, Jaipur (S)	JPR-S	4, Paryavaran Marg, Institutional Area, Jhalana Doongri, Jaipur.
11.	Regional Laboratory, Jodhpur	JDR	Spl-II, Phase – I, Marudhar, Ind. Area, Basani, Jodhpur
12.	Regional Laboratory, Kishangarh (Ajmer)	KIG	Sp-2, Phase-5, RIICO Industrial Area, Madanganj, Kishangarh, Dist.-Ajmer.
13.	Regional Laboratory, Kota	KOT	Spl.2A, Paryavaran Marg, Road No. 6, IPIA, Kota
14.	Regional Laboratory, Pali	PAL	SA-6, Mandia Road, Pali
15.	Regional Laboratory, Sikar	SKR	Housing Board Colony, Shiv Singh Pura, Nawalgarh Road, Sikar.
16.	Regional Laboratory, Udaipur	UDR	F-470, MIA, Udaipur



ANNEXURE - VII

Form of Bank Guarantee for Performance Security
(To be stamped in accordance with Stamp Act, if any, of the country of the issuing Bank)

Bank Guarantee No. _____

Date : _____

Ref. No. _____

To,
Member Secretary,
Rajasthan State Pollution Control Board,
4, Institutional Area, Paryavaran Marg Jhalana Doongri
Jaipur - 302004, Rajasthan
INDIA

Dear Sir or Madam,

THIS AGREEMENT is made on the _____ days of _____ 2020 between [name of the bank] of _____ [address of the bank] (hereinafter called “the Guarantor”) of the one part and Rajasthan State Pollution Control Board, with Office at 4, Institutional Area, Paryavaran Marg, Jhalana Doongri, Jaipur - 302004, Rajasthan, INDIA, (hereinafter called “the Board”) of the other part.

WHEREAS

1. This agreement is supplemental to a contract number _____ [insert Contract Number] (hereinafter called “the Contract”) made between _____ [name of Contractor] of _____ [address of Contractor] (hereinafter called “the Contractor”) of the one part and the Board of the other part whereby the Contractor agreed and undertook to execute the works of Supply (Name of Equipment) for RSPCB at (Name of Place) against the Contract for the sum of _____ [amount in Contract Currency] being the Contract Price; and
2. The Guarantor has agreed to guarantee the due performance of the Contract in the manner hereinafter appearing.

NOW, THEREFORE, the Guarantor hereby agrees with the Board as follows:



- a) If the Contractor (unless relieved from the performance by any clause of the Contract or by statute or by the decision of a tribunal of competent jurisdiction) shall in any respect fail to execute the contract or commit any breach of his obligations there under then the Guarantor will indemnify and pay the Board the aggregate sum of _____ [amount of Guarantee shall be 10% (Ten Percent) of the said value of the Contract, _____ [in words], such sum being payable in the types and amount of currencies in which the Contract Price is payable provided that the Board or his Authorized Representative has notified the Guarantor to that effect and has made a claim against the Guarantor before the expiry of guarantee period (Thirty six months).
- b) The guarantor shall not be discharged or released from his guarantee by an arrangement between the Contractor and the Board, with or without the consent of the Guarantor, or by any alteration in the obligations undertaken by the Contractor, or by any forbearance on the part of the Contractor, whether as to payment, time, performance, or other wise, any notice to the Guarantor of any such arrangement, alteration, or forbearance is hereby expressly waived.

This guarantee shall be valid until forty five (45) days from the date of expiry of warranty period of the equipment supplied as specified in the Contract.

Given under our hand on the date first mentioned above.

SIGNED BY _____

For and on behalf of the Guarantor

(Seal of Guarantor)

In the presence of

(Witness)



ANNEXURE – VIII, Part-A

**Form to Contract Agreement on Rs. 1000/- Non Judicial Stamp Paper
 For Supply of
 (Name of Equipment With Quantity And Instrument / Equipment Code No)**

AGREEMENT

An Agreement made this _____ Day of _____ 2020 between
 M/s _____

_____ (hereinafter called "The approved supplier", which expression shall, where the context so admits, be deemed to include his heirs successors, executors and administrators of the one part) and Rajasthan State Pollution Control Board, Jaipur (hereinafter called purchaser which expression shall where the context so admits, be deemed to include his successors in office and assigns) of other part.

1. Whereas the approved supplier has agreed with the Rajasthan State Pollution Control Board, Jaipur to supply to the Board at its Central laboratory at Head Office as well as Regional laboratories throughout Rajasthan, all those articles set forth in the schedule appended hereto in the manner set forth in the conditions of the bid and contract appended here with and the rates set forth in the purchase order.
2. And whereas the approved supplier has deposited a sum of
 Rs _____/- in words Rs.
 _____ .Bank guarantee/ Cash / Bank Draft /Banker Cheque
 No _____ dated _____ Name of Bank.....
3. Now these Presents Witness-
 - I. In consideration of the payment to be made by the RSPCB (the purchaser) through cheque at the rates set forth in the schedule hereto appended the approved supplier, will duly supply the said articles set forth and thereof in the manner set forth in the conditions of the bid and contract.
 - II. The conditions of the bid and contract for open bid enclosed to the Bid notice no. **RSPCB/LAB/INSTRUMENTS/2020-21/01, dated --/--/----** also appended to this agreement will be deemed to be taken as part of this agreement and are binding on the parties executing this agreement.
 - III. Letter No. _____ dated _____ received from bidder and letter No. _____ dated _____ issued by the RSPCB and appended to this agreement shall also form part of this agreement.
 - IV. (a) The RSPCB do hereby agree that if the approved supplier shall duly supply the said articles in the manner aforesaid observe and keep the said terms and conditions, the RSPCB will through pay or cause to be paid to the approved supplier at the time and the manner set forth in the said conditions, the amount payable for each and every consignment.



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- (b) The Mode of payment will be as per bid document.
- V. The delivery shall be affected and completed within the period specified in the supply order.
- VI (i) In case of extension in the delivery period with Liquidated damages, the recovery shall be made on the basis of following percentages of value of stores which the bidder has failed to supply:-
- Delay upto one fourth of the prescribed delivery period- 2.5%
 - Delay exceeding one fourth but not exceeding half of the prescribed Delivery period-5%
 - Delay exceeding one fourth but not exceeding three fourth of the prescribed delivery period-7.5%.
 - Delay exceeding three fourth of the prescribed delivery period -10%

Note:-(i) Fraction of a day in reckoning period of delay in supply shall be eliminated if it is less than half a day.

(ii) The Maximum amount of agreed liquidated damages shall be 10%.

(iii) If the supplier requires an extension of time in completion of contractual supply on account of occurrence of any hindrances, he shall apply in writing to the authority which had placed the supply order, for to the immediately on occurrence of the hindrance but not after the stipulated date of completion of supply.

(iv) Delivery period may be extended with or without liquidated damages if the delay in the supply of goods is on account of hindrances beyond the control of the bidder.

4. Approved rates are valid for the period of one year from the date of execution of first agreement, which may be extended for another one year with mutual consent.

5. The approved supplier hereby agree to provide the service / repairing of the(Name of equipment with quantity) during warranty period by his authorized dealer or by his office.

6. The approved supplier will provide the service /repairing of the (Name of equipment with quantity) through AMC after expiry of warranty period by his authorized dealer or by himself on mutually agreed rates for five years after expiry of warranty.

7. All disputes arising out of this agreement and all questions relating to the interpretation of this agreement shall be decided by the Chairperson RSPCB and the decision of the same shall be final.

In witness where of the parties hereto have set their hands on the _____ Day
of _____ 2020.



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Signature For and on behalf of
Supplier.

Signature For and on of the
behalf of RSPCB Jaipur

Dated
Place

Dated
Place

1.Witness
(Signature)
Name , Designation & Address

1.Witness
(Signature)
Name , Designation & Address

2.Witness
(Signature)
Name , Designation & Address

2.Witness
(Signature)
Name , Designation & Address



Annexure-VIII, Part B: FORMAT FOR CONSORTIUM AGREEMENT (to be submitted at the time of bidding in case of consortium partners)

(On non-judicial stamp paper of appropriate value to be purchased in the name of executants companies or as required by the jurisdiction in which executed)

This Consortium Agreement executed on this day of..... Two Thousand By:

M/s. a Company incorporated under the laws of..... and having its registered office at (hereinafter called the “Lead Member/First Member” which expression shall include its successors); and

M/s. a Company incorporated under the laws of and having its registered office at (hereinafter called the “Second Member” which expression shall include its successors)

The Lead Member/First Member and the Second Member shall collectively hereinafter be called as the “Consortium Members” for the purpose of submitting a proposal (hereinafter called as “Bid”) for the work of(Name of work).....for (Name of project) of M/s..... to Member Secretary, RPCB Address: 4-Institutional Area, Jhalana Doongri, Jaipur – 302004 (hereinafter called the “/ RSPCB Request for Proposal Document (hereinafter called as ”RFP” Document) Dated..... for the purposes of submitting the bid no. and entering into a contract in case of award for the work of(Name of work).....for (Name of project) of GoR/ RSPCB.

WHEREAS, the Owner invited bids vide its RFP document no. for the work of AND WHEREAS as per document, Consortium bids will also be considered by the Owner provided they meet the specific requirements in that regard.

AND WHEREAS the PQ bid is being submitted to the Owner vide proposal dated based on the Consortium Agreement being these presents and the PQ bid with its PQ bid forms and submission documents, in accordance with the requirement of PQ document conditions and requirements have been signed by all the partners and submitted to the Owner.

AND WHEREAS Clause _____ of RFP document stipulates that a Consortium of maximum two companies, meeting the requirements stipulated in the RFP document may submit a Proposal signed by Lead Member of the Consortium Members so as to legally bind all the Members of the Consortium who will be jointly and severally liable for the performance and all obligations thereunder to GoR/RSPCB and duly signed Consortium Agreement shall be attached to the Proposal.

NOW THEREFORE, in consideration of the mutual covenants of the members of the Consortium, the sufficiency whereof is hereby acknowledged and other good valuable consideration, we agree as follows:



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1. We the members in the Consortium hereby confirm that the name and style of the Consortium shall be..... Consortium.
2. M/s. shall act as Lead Member for self, and for and on behalf of M/s (Second Member) and further declare and confirm that we shall jointly and severally be bound unto the Owner for the successful performance of the obligations under the Request for Proposal (RFP) and resulting Contact Agreement(s) submitted / executed by the Lead Member in the event of the selection of Consortium. Further, the Lead Partner is authorized to incur liabilities and receive instructions for and on behalf of any or all partners of the CONSORTIUM.
3. That M/s..... which is the Lead Member of the Consortium shall invest and continue to invest ...% (at least 51% to be invested by Lead Bidder) interest in the Consortium for the Lock in Period as specified in the RFP document.
4. That M/s, (Second Member) shall invest and continue to invest ...% interest of the Consortium for the Lock in Period as specified in the RFP document.
5. The composition or the constitution of the consortium shall not be altered without the prior consent of GoR/RSPCB.
6. The roles and responsibilities of the lead bidder and the second member of the consortium for execution of various components/activities as defined in the RFP document shall be as under :

S.No.	Project Component/Activity	Roles & Responsibility of Lead Bidder	Roles & Responsibility of Second Member of Consortium
1			
2			
3			
4			

7. It is expressly agreed by the members that all members of the consortium shall be held equally responsible for the obligations under the RFP Document, Contract and this Agreement, irrespective of the specific roles/responsibilities undertaken by them.
8. For the purpose of this Agreement, the RFP Document and the Contract, the Lead Partner shall be the single point of contact for the GoR/ RSPCB, shall have the overall responsibility of the management of the Project and shall have single point responsibility for ensuring that all members of the consortium are complying with the terms and conditions set out in the Contract and the RFP Document.
9. All instructions/communications from PMC to the Lead Partner shall be deemed to have been duly provided to all the members of the consortium.
10. If GoR/ RSPCB suffers any loss or damage on account of any breach in the stipulation of the Agreements to be entered into by the Consortium Members, upon its selection pursuant to RFP (the "Agreements") or any shortfall in the performance of the Transaction or in meeting the performances guaranteed as per the RFP and the Agreements, the Consortium Members hereby jointly and severally undertake to promptly make good such loss or damages caused to GoR/ RSPCB on its demand without any demur or contest. The Owner shall have the right to proceed against anyone of the partners and it shall neither be necessary nor obligatory on the part of the Owner to proceed against the Lead Partner before proceeding against or dealing with the other Member.
11. The financial liability of the Consortium Members to the GoR/ RSPCB, with respect to any of the claims arising out of the performance or non-performance of obligations under the RFP and the resulting Agreement(s) shall not be limited so as to restrict or limit the liabilities of any of the Members and the Members shall be jointly and severally liable to GoR/RSPCB.



12. It is expressly agreed by the Members that all the due payments shall be made by the Owner to Lead Bidder only.
13. This Consortium agreement shall be construed and interpreted in accordance with the laws of India and the Courts of Jaipur (Rajasthan) shall have the exclusive jurisdiction in all matters arising there under.
14. It is also hereby agreed that Lead Member shall, on behalf of the Consortium shall submit the Bid and performance Security as specified by owner in the RFP document.
15. It is further agreed that this Consortium Agreement shall be irrevocable and shall continue to be enforceable till the same is discharged by GoR/RSPCB.
16. This Agreement shall come into force as of the date of signing and shall continue in full force and effect until the complete discharge of all obligations, concerning the carrying out of the Project, which have been taken on by the Parties under the Contract, RFP Document and under this Agreement.

Any other terms and conditions not in contradiction to the RFP and above mentioned terms and conditions.

IN WITNESS WHEREOF, the Members to the Consortium agreement have through their authorized representatives executed these presents and affixed common seal of their companies, on the day, month and year first mentioned above.

<p>Common Seal of has been affixed in my/our Lead Member presence pursuant to Board of Director's resolution dated</p> <p>1) Witness</p> <p>2) Witness</p>	<p>For and on behalf of M/s..... (Lead Bidder)</p> <p>(Signature of authorized representative) Name : Designation:</p>
<p>Common Seal of has been affixed in my/our Lead Member presence pursuant to Board of Director's resolution dated</p> <p>1) Witness</p> <p>2) Witness</p>	<p>For and on behalf of M/s..... (Second member)</p> <p>(Signature of authorized representative) Name : Designation:</p>



**LIST OF DOCUMENTS TO BE PRODUCED FOR RELEASE OF
PAYMENT THROUGH L/C WITHIN 15 DAYS**

Equipment of Foreign Origin:

- 1) Four (4) copies of the Manufacturer / supplier's invoice showing the Equipment's description, quantity, unit price and total payable amount;
- 2) Original and Four (4) copies of the negotiable, clean, on-board bill of landing marked freight prepaid and four copies of non-negotiable bill of landing;
- 3) Four copies of the packing list identifying contents of each package;
- 4) Insurance certificate;
- 5) Manufacturer and Suppliers warranty certificate;
- 6) Factory test and inspection certificate; and
- 7) Certificate of country-of origin;

ANNEXURE – IX A

EQUIPMENT TO BE SUPPLIED BY INDIAN MANUFACTURER:

Upon delivery of the Equipment to the transporters, the Supplier shall notify the Board and mail the following documents to the Board.

- 1) Four copies of the Supplier's invoice showing the Equipment's description, quantity, unit price and total payable amount
- 2) Supplier's / Manufacturer's warranty certificate
- 3) Factory test & inspection certificate by manufacturer, and
- 4) Insurance certificate



To Be Submitted Along With Technical Bid Document

**GUIDELINES FOR SERVICE CONTRACT
(ANNUAL MAINTENANCE CONTRACT)**

- 1. The proposals for maintenance of equipment should be submitted for 5 years (Charges per year) after guarantee period of minimum 36 months with spare & parts. The amount for the maintenance contract be mentioned for each equipment per year with bid document**
2. At least Two preventive maintenance and break down visits (as and when required) per annum will be provided under service contract as per requirement of RSPCB.
3. The firm shall depute service engineer to attend break down calls within 3 working days from the receipt of the call from client. In the event of failure on the part of the firm in attending to the preventive maintenance visit or in attending breakdown calls within 3 working days. The Member Secretary Rajasthan State Pollution Control Board, Jaipur or an authorized officer of State Board on behalf of the State Board will have the right to make the recovery by way of compensation @ 2% of the AMC Contract value per day. However, firm shall not be responsible for delay in services due to non-availability of spares or due to any reason beyond its control and the duration of service contract will be increased /extended by such period.
4. The payment will be made on half yearly basis after satisfactory service within 60 days from the date of receipt of the bill. Notwithstanding anything here-in-above provided it will be the responsibility of firm to see that the system including equipment as a whole (including accessories, software) is kept in well working condition during the full period of contract besides the time reasonably & naturally required in rectification / servicing etc. The points of disputes being mutually decided circumstantially on which the decision of the undersigned shall be final and binding on firm subject to arbitration.

Signature of Bidder
With Date, Seal & Address
Name and Designation
Place

Member Secretary

Rajasthan State Pollution Control Board



UNDERTAKING

(To be given by Principal Manufacturer on Rs. 500/- Non Judicial Stamp Paper)

I.....(Name),
..... (Designation), for and on behalf of M/s
.....(name and address of the firm), hereby,
solemnly affirm to give undertaking To, **Member Secretary, Rajasthan State Pollution Control Board, 4, Institutional Area, Paryavaran Marg Jhalana Doongri Jaipur - 302004, Rajasthan, INDIA**, that I (we) will, during warranty and after the expiry of warranty period, if required, be responsible for Annual Maintenance of the supplied item/equipment throughout its life span on AMC charges as mentioned in Price Bid and in any case, will not demand AMC charges at the higher than what we would be charging to our customers whether Govt./Semi-govt. or Private Institutions/Organizations. We also give an undertaking that we will arrange for all spare parts of the quoted model during the period of its annual maintenance and the rate of such spare parts shall not be higher than our published price list.

We hereby undertake that the quoted equipment is of latest model and meet the specifications mentioned in the bid components/ parts/ assembly/ software used in the equipment shall be genuine, original and new components /parts/ assembly/ software from respective OEMs of the products and that no refurbished/ duplicate/ second hand components/ parts/ assembly/ software are being used or shall be used. In respect of licensed operating system, we undertake that the same shall be supplied along with the authorized license certificate with our name/logo. Also, that it shall be sourced from the authorized source for use in India.

In case, we are found not complying with above at the time of delivery or during installation, for the equipment already billed, we agree to take back the equipment already supplied at our cost and return any amount paid to us by you in this regard and that you will have the right to forfeit our BID SECURITY / SD/ PSD for this bid or debar/ black list us or take suitable action against us.

We understood that you are not bound to accept the lowest or any bid you may receive. We or our authorized dealer shall provide the spares/service of equipment under Warranty / Guarantee and also during AMC after expiry of Warranty / Guarantee. If authorized dealer is not available or authorized dealer is changed, we (Manufacturer) will be responsible for service / repair of the equipment supplied by us.

The above undertaking is being submitted in compliance of Bid for
.....(Name of Instrument/Equipment)

Signature of Authorized Signatory

Place:
Date:

Designation
Seal



ANNEXURE - XII

CHECK LIST FOR THE BIDDER

1. Separate Bid Security and processing charges against each instrument / equipments.
2. Bid Security or necessary documentary proof for exemption of Bid Security with the part I (Technical Bid) of the bid. The technical specifications should be in Annexure II without quoting rate.
3. Price bid must be Part II (Financial Bid) of the bid in the form provided at Annexure -III. It should be in a separate cover.
4. The Basic Price, Taxes, Packing, Forwarding, Handling, Transportation Insurance, Installation charges and Training charges, if any etc. must be quoted clearly. Do not use vague terms like "As Actual, Approximately etc".
5. **Do not use the terms As per Specification of Bid Documents' in respect of instruments. There should be proper write up of product quoted for, supported with printed leaflets literature.**
6. 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 - III of this bid.
7. The delivery of equipments/ accessories/ spares will be accepted at Central / Regional labs as the address mentioned at Annexure - V &VI
8. The supplier will submit an undertaking 'NO LESSER PRICE' CERTIFICATE in Annexure - XIII.
9. The manufacturer will give an undertaking that during warranty and after expiry of comprehensive warranty period, if required, be responsible for providing Annual Maintenance of the supplied item/equipment in Annexure - XI & XVI. **In absence of such undertaking the bid will not be considered for technical examination.**
10. The AMC charges should also be submitted in format available at Annexure – XIV in xls file (BOQ).
11. The supplier has to provide Bank guarantee as Performance Security after receiving the supply order in format mentioned at Annexure - VII and agreement on Rs 1000/ Non Judicial Stamp paper as mentioned in Annexure - VIII.
12. The documents required for release of payment are mentioned at Annexure - IX & IX A
13. The Guidelines for AMC is available at Annexure - X
14. The undertaking to be submitted by Bidder in Annexure - XV
15. The compliance Certificate with respect Boards Specification of Manufacturer in Annexure - XVII
16. The cover letter for Financial Bid Annexure - XVIII



NO LESSER PRICE CERTIFICATE

I.....(Name),.....
..... (Designation), for and on behalf of M/s
.....(name and address of the
firm), hereby, certify that the firm mentioned above will not charge or quote lesser price than
the price submitted in Annexure – III for instrument....., if any, to any
other purchaser or agency or institute in India and that the prices offered are the lowest of those
offered by us in the country.

Signature of Authorized Signatory

Place:
Date:

Designation
Seal



ANNEXURE –XIV

BIDDER'S AUTHORIZATION CERTIFICATE

(To be filled by the Manufacturer on Letter Head)

To,
The Member Secretary,
Rajasthan State Pollution Control Board,
4, Institutional Area, Paryavaran Marg, Jhalana Doongari,
Jaipur-302004 (Rajasthan) (India).

Subject: Issue of the Manufacturer's Authorization Form (MAF)

Reference: BID NOTICE No. RSPCB/LAB/INSTRUMENTS/2020-21/01, dated --/--/----

Sir,

We {name and address of the original equipment manufacturer} who are established and reputed original equipment manufacturers (original equipment manufacturer) having factories at {addresses of manufacturing location} do hereby authorize {M/s _____} who is our {Distributor/ Channel Partner/ Retailer/ Others <please specify>} to bid, negotiate and conclude the contract with you against the aforementioned reference for the equipment manufactured by us: -

{ original equipment manufacturer will mention the details of proposed product with their make/ model. }

We undertake to provide original equipment manufacturer Warranty for the offered equipment, as mentioned above, for 3 Years.

We hereby confirm that the offered equipment is not likely to be declared as End-of-Service/ Support within next 10 years from the date of Commissioning of equipment.

We hereby confirm that we have direct back-to-back service support agreement with the bidder since last 3 years. As per terms & conditions of bid we will be responsible for providing service/ repairing facility for the equipment quoted in bid even if the dealer is changed.

He/ She is also authorized to attend meetings & submit technical & commercial information/ clarifications as may be required by you in the course of processing the Bid. For the purpose of validation, his/ her verified signatures are as under.

Thanking you,
Name of the Bidder: -
Authorized Signatory: -
Seal of the Organization: -
Date: _____
Place: _____

Verified Signature:



SELF-DECLARATION

(Undertaking by Bidder on Rs. 500/- Non judicial Stamp paper)

To,
The Member Secretary,
Rajasthan State Pollution Control Board,
4, Institutional Area, Paryavaran Marg, Jhalana Doongari,
Jaipur-302004 (Rajasthan) (India).

In response to the Notice of inviting bid notice- No.RSPCB/LAB/INSTRUMENTS/2020-21/01, dated --/--/----{Supply of Instrument /Equipments For Central and Regional Laboratories of Rajasthan State Pollution Control Board}, as an Owner/ Partner/ Director/ Auth. Sign. of _____, I/ We hereby declare that presently our Company/ firm _____, at the time of bidding,: -

- possess the necessary professional, technical, financial and managerial resources and competence required by the Bidding Document issued by the Procuring Entity;
- have fulfilled my/ our obligation to pay such of the taxes payable to the Union and the State Government or any local authority as specified in the Bidding Document;
- is having unblemished record and is not declared ineligible for corrupt & fraudulent practices either indefinitely or for a particular period of time by any State/ Central government/ PSU/ UT.
- Does not have any previous transgressions with any entity in India or any other country during the last three years.
- Does not have any debarment by any other procuring entity.
- is not insolvent in receivership, bankrupt or being wound up, not have its affairs administered by a court or a judicial officer, not have its business activities suspended and is not the subject of legal proceedings for any of the foregoing reasons;
- does not have, and our directors and officers not have been convicted of any criminal offence related to their professional conduct or the making of false statements or misrepresentations as to their qualifications to enter into a procurement contract within a period of three years preceding the commencement of the procurement process, or not have been otherwise disqualified pursuant to debarment proceedings;
- Does not have a conflict of interest as mentioned in the bidding document which materially affects the fair competition.
- Will comply with the code of integrity as specified in the bidding document.

If this declaration is found to be incorrect then without prejudice to any other action that may be taken as per the provisions of the applicable Act and Rules thereto prescribed by GoR, my/ our Bid Security may be forfeited in full and our bid, to the extent accepted, may be cancelled.

Thanking you,
Name of the Bidder: -
Authorised Signatory: -
Seal of the Organization: -
Date:
Place:



ANNEXURE –XVI
FINANCIAL BID COVER LETTER & FORMAT
COVER LETTER

(To be filled by the Bidder on Letter Head)

To,

The Member Secretary,

Rajasthan State Pollution Control Board,

4, Institutional Area, Paryavaran Marg, Jhalana Doongari,
Jaipur-302004 (Rajasthan) (India).

Subject:- For supply of Laboratories Equipment/ Instrument.....

Reference: Notice of inviting bid No. RSPCB/LAB/INSTRUMENTS/2020-21/01, dated --/--/--
---{Supply of Instrument /Equipments For Central and Regional Laboratories of
Rajasthan State Pollution Control Board}

Sir,

We, the undersigned bidder, having read & examined in detail, the bidding document, the receipt of which is hereby duly acknowledged, I/ we, the undersigned, offer to supply/ work in conformity with the said bidding document.

- I / We undertake that the prices are in conformity with the specifications prescribed. The quote/ price are inclusive of all cost likely to be incurred for executing this work. The prices are inclusive of all type of govt. taxes/duties as mentioned in the financial bid (BoQ).
- I/ We hereby declare that in case the contract is awarded to us, we shall submit the contract performance guarantee as prescribed in the bidding document.
- I / We agree to abide by this bid for a period of 180 days after the last date fixed for bid submission and it shall remain binding upon us and may be accepted at any time before the expiry of that period.
- Until a formal contract is prepared and executed, this bid, together with your written acceptance thereof and your notification of award shall constitute a binding Contract between us.
- I/ We hereby declare that our bid is made in good faith, without collusion or fraud and the information contained in the bid is true and correct to the best of our knowledge and belief.
- I/ We understand that you are not bound to accept the lowest or any bid you may receive.
- We agree to all the general terms & conditions as mentioned in the bidding document and submit that we have not submitted any deviations in this regard.

Signature of Authorized Signatory

Place:

Name and Designation

Date:

Seal



[See rule 83]

**Memorandum of Appeal under the Rajasthan
Transparency in Public Procurement Act, 2012**

Appeal Noof.....

Before the..... (First / Second Appellate Authority)

1. Particulars of appellant:

(i) Name of the appellant:

(ii) Official address, if any:

(iii) Residential address:

2. Name and address of the respondent(s):

(i)

(ii)

(iii)

3. Number and date of the order appealed against and name and designation of the officer / authority who passed the order (enclose copy), or a statement of a decision, action or omission of the Procuring Entity in contravention to the provisions of the Act by which the appellant is aggrieved:

4. If the Appellant proposes to be represented by a representative, the name and postal address of the representative:

5. Number of affidavits and documents enclosed with the appeal:

6. Grounds of appeal:.....
(Supported by an affidavit)

7. Prayer:.....

Place.....

Date.....

Appellant's Signature



Annexure A: Compliance with the code of Integrity and No Conflict of Interest

Any person participating in a procurement process shall-

- A. Not offer any bribe, reward or gift or any material benefit either directly or indirectly in exchange for an unfair advantage in procurement process or to otherwise influence the procurement process;
- B. Not misrepresent or omit that misleads or attempts to mislead so as to obtain a financial or other benefit or avoid an obligation;
- C. Not indulge in any collusion, Bid rigging or anti-competitive behavior to impair the transparency, fairness and progress of the procurement process;
- D. Not misuse any information shared between the procuring Entity and the Bidders with an intent to gain unfair advantage in the procurement process;
- E. Not indulge in any coercion including impairing or harming or threatening to do the same, directly or indirectly, to any party or to its property to influence the procurement process;
- F. Not obstruct any investigation or audit of a procurement process;
- G. Disclose conflict of interest, if any; and
- H. Disclose any previous transgressions with any Entity in India or any other country during the last three years or any debarment by any other procuring entity.

Conflict of Interest:-

The Bidder participating in a bidding process must not have a Conflict of Interest. A Conflict of Interest is considered to be a situation in which a party has interests that could improperly influence that party's performance of official duties or responsibilities, contractual obligations, or compliance with applicable laws and regulations.

A Bidder may be considered to be in conflict of Interest with one or more parties in a bidding process if, including but not limited to:-

- A. Have controlling partners / shareholders in common; or
- B. Receive or have received any direct or indirect subsidy from any of them; or
- C. Have the same legal representative for purposes of the Bid; or
- D. Have a relationship with each other, directly or through common third parties, that puts them in a position to have access to influence the decisions of the Procuring Entity regarding the bidding process; or
- E. The Bidder participates in more than one Bid in a bidding process. Participation by a Bidder in more than one Bid will result in the disqualification of all Bids in which the Bidder is involved. However, this does not limit the inclusion of the same subcontractor, not otherwise participating as a Bidder, in more than one Bid; or
- F. The Bidder or any of its affiliates participated as a consultant in the preparation of the design or technical specifications of the Goods, Works or Services that are the subject of the Bid; or
- G. Bidder or any of its affiliates has been hired (or is proposed to be hired) by the Procuring Entity as engineer-in-charge/ consultant for the contract.



Annexure B: Declaration by the Bidder regarding Qualifications

Declaration by the Bidder

In relation to my/our Bid submitted to.....for procurement of Instrument /Equipments For Central and Regional Laboratories of Rajasthan State Pollution Control Board in response to their Notice Inviting No.RSPCB/LAB/INSTRUMENTS/2020-21/01, dated I / we hereby declare under Section 7 of Rajasthan Transparency in public procurement Act, 2012, that:-

1. I/we possess the necessary professional, technical, financial and managerial resources and competence required by the Bidding Document issued by the Procuring Entity;
2. I/we have fulfilled my/our obligation to pay such of the taxes payable to the Union and the State Government or any local authority as specified in the Bidding Document;
3. I/we are not insolvent, in receivership bankrupt or being wound up, not have my/our affairs administered by a court or a judicial officer, not have my /our business activities suspended and not the subject of legal proceedings for any of the foregoing reasons;
4. I/we do not have, and our directors and officers not have, been convicted of any criminal offence related to my /our professional conduct or the making of false statements or misrepresentations as to my/our qualifications to enter into a procurement contract within a period of three years preceding the commencement of this procurement process, or not have been otherwise disqualified pursuant to debarment proceedings;
5. I/we do not have a conflict of interest as specified in the Act, Rules and the Bidding Document, which materially affects fair competition;

Date:

Place:

Signature of bidder

Name:

Designation:

Address:



Annexure C: Grievance Redressal during procurement process

The designation and address of the First Appellate Authority is _____

The designation and address of the Second Appellate Authority is _____

(1) Filing an appeal

If any bidder or prospective bidder is aggrieved that any decision, action or omission of the Procuring Entity is in contravention to the provisions of the Act or the Rules or the Guidelines issued there under, he may file an appeal to First Appellate Authority, as specified in the Bidding Document within a period of ten days from the date of such decision or action, omission, as the case may be, clearly giving the specific ground or grounds on which he feels aggrieved:

Provided that after the declaration of a Bidder as successful the appeal may be filed only by a Bidder who has participated in procurement proceedings; provided further that in case a Procuring Entity evaluates the Technical Bids before the opening of the Financial Bids, an appeal related to the matter of Financial Bids may be filed only by a Bidder whose Technical Bid is found to be acceptable.

(2) The officer to whom an appeal is filed under para (1) shall deal with the appeal as expeditiously as possible and shall endeavor to dispose it of within thirty days from the date of the appeal.

(3) If the officer designated under para (1) fails to dispose of the appeal filed within the period specified in para (2), or if the Bidder or prospective bidder or the Procuring Entity is aggrieved by the order passed by the First Appellate Authority, the Bidder or prospective bidder or the Procuring Entity, as the case may be, may file a second appeal to Second Appellate Authority specified in the Bidding Document in this behalf within fifteen days from the expiry of the period specified in para (2) or of the date of receipt of the order passed by the First Appellate Authority, as the case may be.

(4) Appeal not to lie in certain cases

No appeal shall lie against any decision of the Procuring Entity relating to the following matters, namely:-

- (a) determination of need of procurement;
- (b) provisions limiting participation of Bidders in the Bid process;
- (c) the decision of whether or not to enter into negotiations;
- (d) cancellation of a procurement process;
- (e) applicability of the provisions of confidentiality;

(5) Form of Appeal

- a. An appeal under Para (1) or (3) above shall be in the annexed Form along with as many copies as there are respondents in the appeal.
- b. Every appeal shall be accompanied by an order appealed against, if any, affidavit verifying the facts stated in the appeal and proof of payment of fee.
- c. Every appeal may be presented to First Appellate Authority or Second Appellate Authority, as the case may be, in person or through registered post or authorized representative.

(6) Fee for filing appeal

- a. Fee for first appeal shall be rupees two thousand five hundred and for second appeal shall be rupees ten thousand, which shall be non-refundable.
- b. The fee shall be paid in the form of bank demand draft or banker's cheque of a Scheduled Bank in India payable in the name of Appellate Authority concerned.

(7) Procedure for disposal of appeal

- a. The First Appellate Authority or Second Appellate Authority, as the case may be, upon filing of appeal, shall issue notice accompanied by copy of appeal, affidavit and documents, if any, to the respondents and fix date of hearing.



RAJASTHAN STATE POLLUTION CONTROL BOARD

4, Institutional Area, Paryavaran Marg, Jhalana Doongari, Jaipur- 302004 Rajasthan

Phone: +91-0141 5159802, EPBAX 5159600, 5159699, FAX: +91-0141 5159694-97

Website: <http://www.rpcb.nic.in>, email: member-secretary@rpcb.nic.in

- b. On the date fixed for hearing, the First Appellate Authority or Second Appellate Authority, as the case may be, shall,-
 - I. hear all the parties to appeal present before him; and
 - II. Peruse or inspect documents, relevant records or copies thereof relating to the matter.
- c. After hearing the parties, perusal or inspection of documents and relevant records or copies thereof relating to the matter, the Appellate Authority concerned shall pass an order in writing and provide the copy of order to the parties to appeal free of cost.
- d. The order passed under sub-clause (c) above shall also be placed on the State Public Procurement Portal.



Annexure D: Additional Conditions of Contract

1. Correction of arithmetical errors

Provided that a Financial Bid is substantially responsive, the Procuring Entity will correct arithmetical errors during evaluation of Financial Bids on the following basis:-

- (i) if there is a discrepancy between the unit price and the total price that is obtained by multiplying the unit price and quantity, the unit price shall prevail and the total price shall be corrected, unless in the opinion of the Procuring Entity there is an obvious misplacement of the decimal point in the unit price, in which case the total price as quoted shall govern and the unit price shall be corrected;
- (ii) if there is an error in a total corresponding to the addition or subtraction of subtotals, the subtotals shall prevail and the total shall be corrected; and
- (iii) if there is a discrepancy between words and figures, the amount in words shall prevail, unless the amount expressed in words is related to an arithmetic error, in which case the amount in figures shall prevail subject to (i) and (ii) above.

If the Bidder that submitted the lowest evaluated Bid does not accept the correction of errors, its Bid shall be disqualified and its Bid Security shall be forfeited or its Bid Securing Declaration shall be executed.

2. Procuring Entity's Right to Vary Quantities

- (i) At the time of award of contract, the quantity of Goods, works or services originally specified in the Bidding Document may be increased or decreased by a specified percentage, but such increase or decreases shall not exceed twenty percent, of the quantity specified in the Bidding Document. It shall be without any change in the unit prices or other terms and conditions of the Bid and the conditions of contract.
- (ii) If the Procuring Entity does not procure any subject matter of procurement or procures less than the quantity specified in the Bidding Document due to change in circumstances, the Bidder shall not be entitled for any claim or compensation except otherwise provided in the Conditions of Contract.
- (iii) In case of procurement of Goods or services, additional quantity may be procured by placing a repeat order on the rates and conditions of the original order. However, the additional quantity shall not be more than 25% of the value of Goods of the original contract and shall be within one month from the date of expiry of last supply. If the Supplier fails to do so, the Procuring Entity shall be free to arrange for the balance supply by limited Bidding or other wise and the extra cost incurred shall be recovered from the Supplier.

3. Dividing quantities among more than one Bidder at the time of award (In case of procurement of Goods)

As a general rule all the quantities of the subject matter of procurement shall be procured from the Bidder, whose Bid is accepted. However, when it is considered that the quantity of the subject matter of procurement to be procured is very large and it may not be in the capacity of the Bidder, whose Bid is accepted, to deliver the entire quantity or when it is considered that the subject matter of procurement to be procured is of critical and vital nature, in such cases, the quantity may be divided between the Bidder, whose Bid is accepted and the second lowest Bidder or even more Bidders in that order, in a fair transparent and equitable manner at the rates of the Bidder, whose Bid is accepted.



RAJASTHAN STATE POLLUTION CONTROL BOARD

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