

**CIBA**

भारतअनुप - केन्द्रीय खारा जलजीव पालन अनुसंधान संस्थान

ICAR - CENTRAL INSTITUTE OF BRACKISHWATER AQUACULTURE

ISO 9001:2008 CERTIFIED

www.ciba.res.in

(Indian Council of Agricultural Research, Govt. of India) 75, Santhome High Road, Raja Annamalai Puram, Chennai - 600028, Tamil Nadu, India

F.No.10-14/2020-21/ST**Date: 07.08.2020****TENDER NOTICE FOR ANNUAL RATE CONTRACT 2020-21**

Sealed quotations/bids are invited on behalf of the Director, CIBA, Chennai from the manufacturers/ authorized distributors/dealers / recognized service providers to enter into annual rate contract (ARC) for the supply of:

Sl.No	DESCRIPTION
1.	Chemicals/ Kits/Glass wares/Plastic wares/Filter Papers/ Pipettes/ Cloning and Antibiotic Residue Analysis etc
2.	Sequencing Services
3.	Feed Ingredients
4.	Artemia/Algal Paste
5.	Refilling of Gas Cylinders
6.	Blowers
7.	PVC items

Annual rate contract (2020-21) is proposed for:**A. CIBA headquarters, Chennai, Tamil Nadu - 600028****B. Kakdwip Research Centre, Kakdwip, West Bengal-743 347****C. NGRC-CIBA, Navsari, Gujarat -396450**

Published Date	07 th August 2020 (04.00 PM)
Bid Document Download Start Date	07 th August 2020 (04.00 PM)
Bid Clarification Start Date	07 th August 2020 (04.00 PM)
Bid Clarification End Date	23 rd August 2020 (04.00 PM)
Bid Submission Start Date	07 th August 2020 (04.00 PM)
Bid Submission End Date	24 th August 2020 (04.00 PM)
Bid Opening Date	25 th August 2020 (11.00 AM)



CIBA

केन्द्रीय खारा जलजीव पालन अनुसंधान संस्थान

ICAR - CENTRAL INSTITUTE OF BRACKISHWATER AQUACULTURE

Annual rate contract (2020-21)

Table of Contents:

Section 1	Bid Schedule
Section 2	Eligibility Criterion
Section 3	Instructions to Bidders
Section 4	Terms and Conditions
Section 5	Bidder's Information-Technical Bid
Section 6	Financial Bids
Section 7	Annexures & Technical Specifications
Section 8	Check List

SECTION : 1 – BID SCHEDULE

Tender No.	F.No.10-14/2020-21/ST
Tender Date	07.08.2020
Validity of bid	180 days from the date of submission of offer.
Item Description	Annual Rate Contract for the Supply of Chemicals/Glass wares/Plastic wares/Kits/ Filter Papers/Pipettes/ Cloning and Sequencing Services/Antibiotic Residue Analysis/ Feed Ingredients / Artemia/Algal Paste / Refilling of Gas Cylinders /Blowers/ PVC items for the year 2020-21
Tender Type	Two Bid System: Tender must be submitted in two separate envelopes super scribed as Technical Bid and Financial Bid as the case may be, along with tender no. and the due date and both these sealed covers are to be put in a bigger cover which should also be sealed and duly super scribed with ' TENDER FOR ANNUAL RATE CONTRACT FOR SUPPLY OF CHEMCIALS, GLASSWARES, PLASTICWARES AND LABWARES TO ICAR ', tender No., due date.
Last date & Time of submission of Tender/Tender related information	24.08.2020 by 04: 00 PM
Place of submission	Central Institute of Brackishwater Aquaculture, Chennai – 600028.
Date & Time of Technical Bid opening	25.08.2020 by 11: 00 AM
Place of opening of the bids:	Central Institute of Brackishwater Aquaculture, Chennai – 600028.

Earnest Money Deposit(EMD)	Banker's Cheque or Demand Draft Rs.30,000/- or Rs.5,000/- in favour of ICAR Unit CIBA, payable at Chennai from a Nationalized Bank/ Scheduled Commercial Bank.
For any clarification, Contact	AAO(Stores), ICAR-Central Institute of Brackishwater Aquaculture Indian Council of Agricultural Research (Ministry of Agriculture and Farmers Welfare) #75, Santhome High Road, Raja Annamalai Puram Chennai, Tamil Nadu. 600028.

SECTION 2- ELIGIBILITY CRITERIA

1. Copy of the PAN card of the firm.
2. Copy of the IEC Code certificate (if applicable).
3. The Bidder must not be black listed/suspended for any service related dispute with any organization/Govt Organization in India or outside.
4. The bidders submitting their offer must have received and executed order from CIBA/ICAR Institutes or Govt. agencies for the similar items. Copies of such order must be enclosed with the offer. Non submission of such credentials may lead to rejection to the offer.
5. The Bidder should have filed ITR for the last three financial years i.e., 2017-18, 2018-19 & 2019-20, Copy of the ITRs and filed acknowledgement to be submitted.
6. If the Bidder is a Local Distributor/Dealer/Stockiest, **it is mandatory to attach latest authorization certificate issued after the issue of this Tender Notice along with the bid.**
7. Acceptance of Terms and Conditions-**Section - 4.**

SECTION 3- INSTRUCTIONS TO BIDDERS

1. Tender Document:

- a. Tender documents along with terms and conditions and other details can be downloaded from CIBA web site www.ciba.res.in. under heading “ Tender” and CPPP site <https://eprocure.gov.in/epublish/app>

2. Preparation of bid:

1. Sealed tenders are invited in two bid system (Technical Bid and Financial Bid) from the reputed Manufacturer's/Authorized Distributors/Dealers who have the latest authorization from the Principal Company issued after this Tender Notice for entering into Annual Rate Contract- 2020-21 for the supply of items grouped as under:

Sl.No	Category		Manufacturers	Financial bid for quotation
1	A	General Chemicals(GLC)	Merck/ Sigma Aldrich /Qualigens/ Rankem/ Sd Fine/S R L/ HiMedia/ Spectrochem/ Thermofisher/ Agile Life Science Technologies India Pvt.Ltd/ Bio-Rad lab (India) P.ltd,N.Delhi/ Bio-Vision Inc, USA/Bio-Basic Inc, Canada/Ampliqon-PCR Products, Denmark/ DLAB scientific P.Ltd, Hyderabad/ Labmate Asia/ VWR lab Products P.Ltd, (Part of Avantor)/ Genei Laboratories P.Ltd/ Genetix Biotech Asia Pvt.Ltd/ Sunny Corporation P.Ltd/ Qiagen/Supernobio,/MP Bio medical/ Imperial Life Sciences Pvt.Ltd,/ Invitrogen Bioservices India Pvt.Ltd, etc	

2	B	Sequencing Services	Nucleome, etc.	
3	C	Glassware items	Borosil/Vensil/Glassco/Rivera,etc	
4	D	Plastic Ware items	Tarsons/Axygen/Glassco,etc	
5	E	Millipore range products	Millipore, etc.	
6.	F	UF Cartridge	Millipore and other companies	
7	G	MX Cartridge	Millipore and other companies	
8	H	Smartpak	Millipore and other companies	
9	I	Millipak	Millipore and other companies	
10	J	DO sensing module/Membrance	Thermo Scientific	
11	K	Lab Filtration Products	Sigma, Whatman, Sartorius, etc.	
12	L	Oxygen Tips and Tubes	Oxygen,etc.	
13	M	LCMS & GCMS Consumables excluding solvents	Waters, Agilent, Thermofishers, Simazdu, etc	
14	N	Feed Ingredients		
15	O	Artemia Cysts		
16	P	Refilling of Gas Cylinder	Indogas and Rana Industrial gas Products.	
17	Q	Blowers		
18	R	PVC Items	Finolex	

2. The Bidder should submit Technical and Financial Bid separately in sealed envelope super scribing the envelope as 'Technical Bid' and 'Financial Bid'. Both these envelopes should again be put in a single larger envelope super scribed **'TENDER FOR ANNUAL RATE CONTRACT FOR SUPPLY OF CHEMICALS, GLASSWARES, PLASTICWARES AND LABWARES TO CIBA'**, Tender No., due date and sealed and completed tenders should reach to **THE DIRECTOR**, Central Institute of Brackishwater Aquaculture, Indian Council of Agricultural Research,(Ministry of Agriculture and Farmers Welfare), #75, Santhome High Road, Raja Annamalai Puram, Chennai, Tamil Nadu. 600028. **on or before 24.08.2019 by 4.00 pm.**

3. The firm participating in the tender should submit Technical Bid as per format in **Section-5** in a separate sealed envelope super scribed as **'TECHNICAL BID'**.

4. Price must be submitted in enclosed Financial Bid Format see **Section-6 (Annexure A to O) only**. If financial bid is not quoted as per the format provided in this tender document, CIBA will have the right to reject the bid. As it's been the objective of CIBA to award the contract for the entire range of products of particular manufacturer like Rankem, Merck, Vensil, Sigma Aldrich Oxygen, Millipore etc to a single manufacturer/ Distributor/Dealer and procure the same accordingly. The bidder has to offer the maximum possible discount which applies to all the products of a Manufacturer like Merck, Qualigens, Rankem, Borosil, Vensil etc., Hence the manufacturer/ Distributor/Dealer/ are encouraged to quote the maximum possible discount and get the contract to supply, the entire range of that manufacturers product to CIBA, Hqrs and its Research Stations at Muttukadu, Kakdwip and Navsari. So, the firms are requested to offer the **most competitive maximum discount** to get the contract.

5. Price quoted should be in Indian Rupees only. Price should be for delivery at **CIBA, Hqrs, Chennai and its Research Centers at Muttukadu, Tamil Nadu, Kakdwip, West Bengal and Navsari, Gujarat**. Freight, Insurance charges, if any, is to be borne by the Supplier. Similarly, shortage, pilferage, damage if any in transit will be the sole responsibility of the Supplier and the same will be intimated to the Supplier on receipt of goods. **The short/defective supply will have to be replaced by the Supplier within 7 days without any additional cost including freight/insurance charges.**

6. Communication with bidders will be carried out electronically and /or in hard copy. All bidders must provide their current email address, phone number and present postal address for correspondence.

7. Overwriting and corrections will not be accepted. The bid should be complete in all respects and should be duly signed. Each page of the tender and annexure should be signed by the authorized signatory of the firm with seal. Incomplete and unsigned bids will not be considered. The Institute shall not be responsible for any postal delay and delay in receipt of the offer. Delayed/ Late bids will not be accepted under any circumstances.

8. Latest printed price list/Catalogue (Hard Copy) must be furnished in bound form along with soft copy (CD/Flash drive). **An undertaking may be given that the price list being furnished with the proposal will remain valid during the currency of the rate contract.**

9. The Firms should be registered with Tax Authorities. Copy of the Registration certification along with the copies of PAN Card, GST Number and IEC (if applicable) must be enclosed.

10. There will be no change in price structure during the currency of contract except of the statutory levies which are made applicable by the Govt. through notifications / regulations change from time to time.

11. The Bidder must furnish the Financial Bids as per the format given in Section 6-Annexure A to L. In the financial bid, the firms have to indicate only the Maximum discount offered on the entire range of their products. However, a CD/Pen drive and a hard copy of the printed price schedule of the entire range of products need to be submitted to office along with Technical Bid. The Financial Bid must be submitted in a separate sealed envelope super scribed as 'FINANCIAL BID'.

12. It is mandatory to submit the quotes in the same format as per Annexure A to L and if some items are not available making it unable to quote, it should be mentioned as **NQ** (Not Quoted) and the items should not be deleted and instead if any other manufacturer apart from the one in list may be added to the corresponding list and its price may be quoted.

13. Prices charged for the stores supplied under Rate Contract should under no event be higher than lowest prices which the party sells to any other Govt. Organization / Private Organizations during the period of contract. Failing which the "FALL CLAUSE" will be applicable. A certificate to this effect may be provided by the firm that the lowest prices (Maximum Discount) have been offered to CIBA. In case it is found that the price charged by the firm is more, the same will be recovered from the subsequent/unpaid bill of the supplier.

CANCELLATION OF TENDER:

Notwithstanding anything specified in this tender document The Director, CIBA in his sole discretion, unconditionally or without having any reason to assign.

- (i) To accept OR reject lowest tender or any other tender or all the tenders
- (ii) To accept any tender in full or in part
- (iii) To reject the tender offer not confirming to the tender norms
- (iv) To give purchase preference to Public Sector Undertakings when applicable as per Govt Policy/Guidelines.

VALIDITY OF THE OFFER: 180 days from the date of submission of offer.

TRANSFER AND SUBLETTING. The seller shall not sublet, transfer, assign or otherwise part with the acceptance to the tender or any part thereof, either directly or indirectly, without the prior written permission of the Purchaser.

EVALUATION OF OFFER:

1. The final acceptance/decision on the Rate Contract will be taken after screening the offers by a duly constituted committee at CIBA which reserves the right to accept/reject the tender wholly or partially without assigning any reasons thereof.
2. The agency/firm/vendor who has offered the maximum discount for a given range of items of a particular manufacturer like Merck, Qualigens, Borosil etc., will be selected for that product range among those firms who qualify in the Technical Bid Evaluation. In case, more than one agency offering the same discount for a product, the Institute reserves the right to place order with the agency who has more turnover in the last three financial year.
3. In case the bidder is silent on any clauses mentioned in this tender document, CIBA shall construe that the Bidder had accepted the clause as per the invitation to tender. No further claim will be entertained.
4. No revision in the terms and conditions quoted in the offer will be entertained after the last date and time fixed for receipt of tenders.
5. All the discounts quoted should be valid during of the rate contract period.

6. EARNEST MONEY DEPOSIT:

CATEGORY	EARNEST MONEY DEPOSIT (EMD)
A - M	Rs. 30,000/- (Rupees Thirty thousand only) A single DD of Rs.30,000/- for participating in all Categories of A-M.
N-R	Rs.5,000/- (Rupees five thousand only)

An Earnest Money Deposit (EMD) of as shown above, in the form of DD / Banker cheque drawn in favour of the “**ICAR Unit, CIBA**” payable at Chennai to be submitted within the due date. The Earnest money will be returned to the unsuccessful bidders within 45 days from the date of finalizing the ARC 2020-21. However, the **earnest money deposit in respect of the successful bidder would be retained as Performance security deposit**. This performance security deposit will be forfeited in case of the breach of contract. After successful completion of the contract, the performance security deposit will be refunded within 60 days after adjusting dues if any to the CIBA from the ARC holder.

Submission of the EMD is mandatory. Non-submission of the same will lead to rejection of the offer. Separate application for each category and DD towards EMD must be submitted. (DD drawn in favour of “ICAR unit CIBA” payable at Chennai)

Submission of Bids

- a. The Bid Should be neatly typed. Hand written offers will be rejected. Any deviation in the offer shall lead to rejection. The purchaser shall not be responsible for any postal delay and delay in receipt of the offer. The bids which do not fulfil the desired terms and conditions shall be rejected summarily and no communication in this regard shall be sent. **Delayed/Late bids will not be accepted under any circumstances.**
- b. All the bids will be opened in the presence of bidders/representatives, as per the date and time specified in the Tender Document.

SECTION 4 - TERMS AND CONDITIONS

1. Period of the Contract

- a. The Annual Rate Contract (ARC) will be effective for one year from the date of contract and can be extended if it is agreed mutually by both the parties.
- b. The rates shall remain valid for a period of one year and there will be no change in price structure during the currency of the contract except, the statutory levies which are otherwise made applicable by the Govt. through notification / regulations. Enlistment can be cancelled at any time if the firm found as a habitual defaulter or supplying sub-standard material or for any reason or non –compliance of the terms and condition of the ARC.

Delivery Schedule:

- a. Materials should be door delivered at CIBA, Chennai/Kakdwip Research Centre of CIBA, Kakdwip – 743 347, West Bengal and NGRC-CIBA, First Floor Animal Husbandry & Polytechnic Building, Navsari Agricultural University, Eru Char Rasta, Navsari, Gujarat-396450 as per PO.
- b. Delivery must be made within the period as per the Supply order either directly or through their dealer network unless otherwise specified.
- c. If the supplier fails to deliver the order within the allotted delivery period as specified above, the purchaser may procure goods or services similar to those un-delivered upon such terms and in such manner as it deems appropriate from any other firm and the supplier will be liable to the purchase for any excess cost.
- d. **Part supply is normally not acceptable and payment will be done only after completion of the complete supply of all the items/services as per the Supply Order issued.**

Payment

All payments shall be made on bill basis on receipt of the materials in full normally within 20 days from the date of delivery or otherwise specified in the purchase order. The tenderers shall confirm the above payment terms in their tender. To make payment thro' ECS, furnish IFSC/ MICR number etc. as per overleaf Annexure - 'III'.

Appointment of Local Dealer / Stockist

- a. The Manufacturers (OEMs) / principals offering for the ARC may furnish the name and address of their local distributor / dealer, so that the copies of orders can be endorsed to them for expeditious supply. In such cases where local dealer / stockist have been nominated by the principal, the bills raised by them against our purchase order will be accepted.
- b. A manufacturer should authorize only one dealer/distributor to supply their products.
- c. Any addition and deletion of dealership/ distributorship shall be intimated to the undersigned immediately on authorization of a new party.

Taxes & Duties

- a. Ours is a public funded research organisation under the administrative control of ICAR, Ministry of Agriculture and Farmers welfare, Government of India and we are **eligible for concessional tax on submission of concessional certificate**. Hence tax should be charged at **concessional rates of 5%** as applicable to educational and research institutions run without profit motives, for which necessary certificate will be issued on demand at the time of retirement of documents/payments, wherever applicable.
- b. CIBA, Chennai is exempted from paying Excise Duty on procurement of stores vide OM No.TU/V/RG-CDE (321)/2011 dated 1 November 2011.
- c. GST will be admitted as applicable. Any statutory variation will be paid to supplier on production of documentary evidence. Kindly clearly indicate the percentage of GST applicable.

Loss Damage & Shortage:

CIBA, Chennai shall not be responsible for any loss, damages and shortage during transit. Payment shall be made for materials received in good conditions only.

General Terms & Conditions:

- a. The Director, CIBA, Chennai reserves the right to enter into parallel Rate Contract for similar items any time during the period of Rate Contract with one or more parties.
- b. The Rate Contract can be terminated at any time by giving one month's notice by either party.
- c. The products which are supplied will have to be of high quality & grade and in the event of any chemicals/ordered items if found to be of inferior quality, the supplier is liable to be banned or suspended from doing business with CIBA, Chennai and other Govt. organizations. Only one bill should be raised for each supply order.
- d. Liquidated Damage (LD) @ 0.5% per week subject a maximum of 10% of the total value of supply order & beyond 10% subject to approval of Director CIBA will be recovered from the vendor for non-compliance of the RC Terms and Conditions. In case of cancellation of order no compensation will be paid towards progress of order/procurement.
- e. FORCE MAJEURE: Force Majeure will be accepted on adequate proof thereof.
- f. The acceptance of the offer will rest with the Director, CIBA, Chennai, who does not bind himself to accept the lowest tender and reserves the right to himself to reject/ accept partially or wholly the tenders received, without assigning any reason.
- g. Mere submission of application/proposal does not imply acceptance of the same at this end and the firms will be enlisted only after meeting the laid down qualifying parameters for which decision of Director, CIBA, Chennai shall be final.

- h. Routine Printed terms and conditions of the applicant on their quotation Form / Literature / Letter etc. if any, will not be binding on us.
- i. Enlistment under Rate Contract with this institute does not ensure business of any quantum, whatsoever.
- j. Any deviation from the Terms and Conditions mentioned above will imply disqualification for the firm.

Acceptance / Rejection:

The Director, CIBA, Chennai reserves the right to accept a quotation in part or in full or to reject all quotations or any of the quotations received, for non-compliance of any of the above items, conditions or instructions without assigning any reason thereof.

Mode Of Payment: In all the cases, CIBA shall make payments only through Electronic Payment mechanism (viz. NEFT/RTGS/ECS/PFMS). Bidders should invariably provide the following particulars along with their offers (model ECS mandate form Appendix – 'A' enclosed).

Warranty: The supplier/Manufacturer shall be fully responsible for the manufacturer's warranty in respect of quality and workmanship of the materials covered under the Rate Contract. In case of any defects found at the time of use, the supplier/Manufacturer will provide free replacement or refund the amount charged for that item.

LEGAL MATTER: The dispute(s) if any, arising in relation to the Rate Contract, shall be subject to Chennai jurisdiction only.

SECTION 5- BIDDERS' INFORMATION - TECHNICAL BID

APPLICATION FORM FOR ENTERING INTO RATE CONTRACT

FOR CHEMICALS, GLASSWARE, PLASTICWARE, LABORATORY SUPPLIES, etc

1. Name & Full address of the applicant :

2. Items/ materials for which rate contract Desired/ applied for :(Yes / Not Quoted)

Sl.No	Category		CIBA, Hqrs, Chennai	KRC-CIBA, Kakdwip, West Bengal	NGRC-CIBA, Navsari, Gujarat
1	A	General Chemicals(GLC)			
2	B	Sequencing Services			
3	C	Glassware items			
4	D	Plastic Ware items			
5	E	Millipore range products			
6	F	UF Cartridge			
7	G	MX Cartridge			
8	H	Smartpak			
9	I	Millipak			
10	J	DO sensing module/Membrance			
11	K	Lab Filtration Products			
12	L	Oxygen Tips and Tubes			
13	M	LCMS & GCMS Consumables excluding solvents			
14	N	Feed Ingredients			
15	O	Artemia Cysts			
16	P	Refilling of Gas Cylinder			
17	Q	Blowers			
18	R	PVC Items			

3. Copies of documents having Rate Contract with the CSIR Labs / ICMR Labs / ICAR Labs/IIT Labs / Central Universities / DRDO / Govt. Organization in the past three years.

4. Annual Turnover of the firm / company
For the last three financial years-

[2016-17] [2017-18]

Rs. _____

Lacs

[2017-18] [2018-19]

Rs. _____

Lacs

[2018-19] [2019-20]

Rs. _____

Lacs

(Enclose CA certified documents in support of the claim)

5. (a) Chartered Accountant Certified copies of GST/TIN/PAN/

Registration No. : _____

(b) IEC copy, if applicable : _____

6. (a) Income Tax PAN No. (in the name of the firm/company & not individual

: _____

(b) Latest copies of return filed with : Enclosed (Yes / No)

Income Tax Department for the
last 3 years

[FY 2017-18, 2018-19 & 2019-20]

7. Whether latest printed original price list by manufactures : Enclosed (Yes/ No)

8. Bank details for payment

- (a) Bank A/c No. : _____
- (b) Bank name : _____
- (c) Branch name : _____
- (d) IFSC Code : _____
- (e) Other details : _____

9. Any other information vital for entering into Rate contract:

10. Documents required, placed at page :

1. Turnover Details for 3 yrs : Pg. No. _____
2. PAN copy : Pg. No. _____
3. GST registration copy : Pg. No. _____
4. Authorization Certificate : Pg. No. _____
5. Hard Copy of Catalogue / Price list : Pg. No. _____
6. Price Bid : Pg. No. _____
7. Other Rate Contract copies with the CSIR Labs /
ICMR Labs / ICAR IIT Labs / Central Universities : Pg. No. _____
DRDO / Govt. Organization in the past three years
8. IEC Certificate(if applicable) : Pg. No. _____
9. ITR for Last 3 Years : Pg. No. _____

UNDERTAKING / DECLARATION

We hereby declare that all the particulars given in this application are true and complete to the best of our knowledge and we will produce all the relevant documents promptly, if necessary or as and when asked for by CIBA, Chennai. We understand that information provided by us will serve as pre-qualification Criteria for enlistment on ARC and in the event of any information being found false or incorrect or ineligibility being detected even after the approval of the Rate Contract our contract may be cancelled & all our claims may be forfeited by the CIBA. We have read and understood all the terms and conditions of ARC & we fully agree to it.

We also declare that we will not sell our products at a lesser price to other parties than those given to you and in the event of such happening, we will be bound to refund the difference and our enlistment may be cancelled at the discretion of Director, CIBA, Chennai

We also undertake that all the terms & conditions and such as Product Range, Price, Discount, Delivery / other charges, Terms of payment and also the names of the Dealer / Distributor will remain unchanged during the period of contract and no alteration will be done without official approval. However, we will promptly change our distributor / supplier if a request/ complaint is received from your end with regard to this effect due to any reason.

Date:**Signature:****Place:****Name:****Designation:****Seal of the firm**

SECTION 6 (FINANCIAL BID : 'A - M')

Tender Inviting Authority: The Director, ICAR-CIBA, Chennai

Name of Work: ARC of Chemicals, Glassware's, etc at ICAR-CIBA, Chennai, KRC-CIBA, Kakdwip , West Bengal & NGRC-CIBA, Navsari, Gujarat.

Tender No: F.No.10-14/2020-21/ST

(DOMESTIC TENDERS - RATES ARE TO GIVEN IN RUPEES (INR) ONLY)

(This Financial Bid should not be modified / replaced by the bidder and the same should be submitted after filling the relevant columns, Else the bidder is liable to be rejected for this tender. Bidders are allowed to fill the Bidder Name and Discount Value in % only)

BIDDER NAME & ADDRESS:

Sl. No.	Item Description	Quoted currency in INR Only	Maximum Discount in % only	Maximum Discount for Bulk purchase in % only
A	General Lab Chemicals (GLC)/Kits			
	Manufacturers/Suppliers	As per Price list/catalogue	(in Percentage)	(Above 3 or more quantity)
	Brand Name	INR		
		INR		
		INR		
		INR		
		INR		
		INR		
B	Sequencing Services			
	Brand Name	INR		
		INR		
		INR		
		INR		
		INR		
		INR		
C	Glasswares			
	Brand Name	INR		
		INR		
		INR		
		INR		
		INR		
		INR		

D	Plasticwares			
	Brand Name	INR		
		INR		
		INR		
		INR		
		INR		
E-I	Millipore range products			
	Brand Name	INR		
		INR		
		INR		
		INR		
		INR		
J	DO sensing module/Membrance	INR		
K	Lab Filtration Products			
	Brand Name	INR		
		INR		
		INR		
		INR		
		INR		
L	Oxygen Tips and Tubes			
	Brand Name	INR		
		INR		
		INR		
		INR		
		INR		
M	LCMA & GSMS Consumables			
	Brand Name	INR		
		INR		
		INR		
		INR		
		INR		

SECTION 6 (FINANCIAL BID : ‘ N’)**Tender Inviting Authority: The Director, ICAR-CIBA, Chennai****Name of Work: ARC of Feed Ingredients at ICAR-CIBA, Chennai, KRC-CIBA, Kakdwip , West Bengal & NGRC-CIBA, Navsari, Gujarat.****Tender No: F.No.10-14/2020-21/ST**

(DOMESTIC TENDERS - RATES ARE TO GIVEN IN RUPEES (INR) ONLY)
 (This Financial Bid should not be modified / replaced by the bidder and the same should be submitted after filling the relevant columns, Else the bidder is liable to be rejected for this tender. Bidders are allowed to fill the Bidder Name and Discount Value in % only)

BIDDER NAME & ADDRESS

Sl. No.	Item Description (Specifications as per Section – 7)	Quoted currency in INR Only	Maximum Discount in % only
A	Feed Ingredients		
		Cost / Kg	
1.	Fish Meal		
2.	Soyabean Meal		
3.	Shrimp Meal		

If different grades are available then, price for different grades can also be added in the column to quote the prices and GST will be applicable as per the government norms.

SECTION 6 (FINANCIAL BID : ‘ O ’)

Tender Inviting Authority: The Director, ICAR-CIBA, Chennai

Name of Work: ARC of Artemia Cysts/Algal Paste for ICAR-CIBA, Chennai, KRC-CIBA, Kakdwip , West Bengal & NGRC-CIBA, Navsari, Gujarat.

Tender No: F.No.10-14/2020-21/ST

(DOMESTIC TENDERS - RATES ARE TO GIVEN IN RUPEES (INR) ONLY)
(This Financial Bid should not be modified / replaced by the bidder and the same should be submitted after filling the relevant columns, Else the bidder is liable to be rejected for this tender. Bidders are allowed to fill the Bidder Name and Discount Value in % only)

BIDDER NAME & ADDRESS

Sl. No.	Item Description (Specifications as per Section – 7)	Quoted currency in INR Only	Maximum Discount in % only
A	Artemia		
		Cost / tin in INR	
1.	OSI Yellow Ring (Gold) with 80% + hatching rate		
2.	OSI Blue Ring with 85% + hatching rate		
3.	Artemia Nauplii		
B	Algal Paste (Cost /litre)		
		Price per seed in INR	
C	Penaeus Vannamei Seed		

If other different types are available then, price for those can also be added in the column to quote the prices and GST will be applicable as per the government norms.

SECTION 6 (FINANCIAL BID : ‘ P’)**Tender Inviting Authority: The Director, ICAR-CIBA, Chennai****Name of Work: ARC of Refiling of Gas Cylinders at ICAR-CIBA, Chennai, KRC-CIBA, Kakdwip , West Bengal & NGRC-CIBA, Navsari, Gujarat.****Tender No: F.No.10-14/2020-21/ST**

(DOMESTIC TENDERS - RATES ARE TO GIVEN IN RUPEES (INR) ONLY)
 (This Financial Bid should not be modified / replaced by the bidder and the same should be submitted after filling the relevant columns, Else the bidder is liable to be rejected for this tender. Bidders are allowed to fill the Bidder Name and Discount Value in % only)

BIDDER NAME & ADDRESS

Sl. No.	Item Description	Quoted currency in INR Only	Maximum Discount in % only
A	Refiling of Gas Cylinders		
		Unit Price	
1.	Hydrogen(High pure – 99.999%)		
2.	Nitrogen-HP(Grade 1-99.9992%)		
3.	Nitrogen- 0grade (Grade 1-99.9998%)		
4.	Zero air – 0 Grade		
5.	5% CH4 in Ar		
6.	Acetylene AAS – 99.6%		
7.	Argon Grade 1 (99.9993%)		
8.	Oxygen 99.8%		
9.	Oxygen 99.999%		
10.	Helium – 0 grade (99.999%)		
11.	5% H2 in Helium		

Taxes and transportation charges at actuals at the time of billing.**Necessary purity certificate is requested at the time of supply of the above items.**

SECTION 6 (FINANCIAL BID : ‘ Q ’)**Tender Inviting Authority: The Director, ICAR-CIBA, Chennai****Name of Work: ARC of Blowers at ICAR-CIBA, Chennai / MES, Muttukadu, KRC-CIBA, Kakdwip , West Bengal & NGRC-CIBA, Navsari, Gujarat.****Tender No: F.No. 10-14/2020-21/ST**

(DOMESTIC TENDERS - RATES ARE TO GIVEN IN RUPEES (INR) ONLY)
 (This Financial Bid should not be modified / replaced by the bidder and the same should be submitted after filling the relevant columns, Else the bidder is liable to be rejected for this tender. Bidders are allowed to fill the Bidder Name and Discount Value in % only)

BIDDER NAME & ADDRESS

Sl. No.	Item Description (Specifications as per Section – 7)	Quoted currency in INR Only	Maximum Discount in % only
A	Side Channel Ring blowers (turbine blowers)		
		Unit Price	In %
1.	Single phase; 550W; 95m ³ /h; <11KPa		
2.	Single phase; 750W; 120m ³ /h; <15KPa		
3.	Three phase; 1100W; 180m ³ /h; <16KPa		
4.	Three phase; 1500W; 190m ³ /h; <19KPa		
5.	Three phase; 2200W; 220m ³ /h; <22KPa		
6.	Three phase; 3000W; 290m ³ /h; <28KPa		
7.	Three phase; 4000W; 300m ³ /h; <35KPa		
8.			
B	TWIN LOBE AIR BLOWER to provide 100% oil free pressurised air		
1.	Twin Lobe Air Blower to provide 100% oil free pressurised air		

Any changes in the prices will be accepted, **only** when there is price change in the manufacturers price list / Catalogue.

Taxes and transportation charges at actuals at the time of billing

SECTION 6 (FINANCIAL BID : ‘ R ’)

Tender Inviting Authority: The Director, ICAR-CIBA, Chennai

Name of Work: ARC of PVC Items at ICAR-CIBA, Chennai/MES, Muttukadu, KRC-CIBA, Kakdwip , West Bengal & NGRC-CIBA, Navsari, Gujarat.

Tender No: F.No. 10-14/2020-21/ST

(DOMESTIC TENDERS - RATES ARE TO GIVEN IN RUPEES (INR) ONLY)
(This Financial Bid should not be modified / replaced by the bidder and the same should be submitted after filling the relevant columns, Else the bidder is liable to be rejected for this tender. Bidders are allowed to fill the Bidder Name and Discount Value in % only)

BIDDER NAME & ADDRESS

Sl. No.	Item Description (Specifications as per Section – 7)	Quoted currency in INR Only	Maximum Discount in % only
	Manufacturer/Supplier		
	Brand Name	As per price list/catalogue	

Any changes in the prices will be accepted, **only** when there is price changes in the manufacturers price list / Catalogue.

Taxes and transportation charges at actuals at the time of billing.

SECTION – 7 : ANNEXURES**ANNEXURE-I****Declaration for Acceptance of Terms and Conditions**

To

The Director

Ref: Sub: F.No. 10-14/2020-21/ST for Annual Rate Contract for
the Supply of _____
for the year 2020-21.

Sir,

I've carefully gone through the Terms & Conditions as mentioned in the above referred Request for Tender proposal (RFTP) document. I declare that all the provisions of this ARC 2020-21 are acceptable to my company. I further certify that I'm an authorized signatory of my company and I am, therefore, competent to make this declaration.

Yours faithfully,

(Signature of the Bidder)

Name :

Designation:

Date:

Seal:

ANNEXURE - II**FALL CLAUSE NOTICE CERTIFICATE**

1. This is to certify that we have offered the maximum possible discount to you in our Quotation No _____ dated _____
2. The prices charged for the stores supplied under Rate Contract should under no event be higher than lowest prices at which the party sells the items of identical description to any other Govt. Organization/PSU's/Autonomous bodies/Pvt Organizations during the period of contract failing which the "FALL CLAUSE" will be applicable.
3. In case, if the price charged by our firm is more, the CIBA, Chennai will have the right to recover the excess charged amount from the subsequent/unpaid bill of the supplier.

Signature with Seal of the Bidder

Date:

Place:

Note: This letter of authority should be on the **letter head of the quoting firm** and should be signed by a person competent and having the power of attorney to bind the same.

ANNEXURE-III**MODEL ECS MANDATE FORMAT**

Customer's option to receive payments through e-Payment
(CS/EFT/DIRECT/RTGS/NEFT/Other payment mechanism as approved by RBI).

Credit Clearing Mechanism

1. Customer's Name :
 2. Particulars of Bank Account :
 - (a). Bank Name :
 - (b). Branch Name :
 - (c). Address :
 - (d). Telephone numbers :
 - (e). IFS code :
 - (f). 9 Digit code number of Bank and :
Branch appearing on MICR
Cheque issued by Bank
 - (g). Account Type (S.B. Account/ :
Current Account or Cash)
 - (h). Ledger number :
 - (k). Account number as appearing on :
Cheque book
 - (l) E. Mail id :
 - (m) Mobile No.
 3. Please attach a blank cancelled cheque, or, photocopy of a cheque or front page of your bank pass book issued by your bank for verification of the above particulars.
 4. Date of Effect :
- "I, hereby, declare that the particulars given above are correct and complete. If the transaction is delayed or not effected at all for reasons of incomplete or incorrect information, I would not hold the user institution responsible. I have read the option invitation letter and agree to discharge the responsibility expected of me as a participants under scheme."

(.....)

Date:

Signature of Customer

Certified that the particulars furnished above are correct as per our records.

Bank's Stamp

(.....)

Date

Signature of the Authorized Official from the Bank

SECTION – 7 : TECHNICAL SPECIFICATION**CATEGORY – ‘A’****LIST OF ITEMS FOR ANNUAL RATE CONTRACT (ARC)****General Chemicals, Glassware, Plastic wares****MICROPIPETTES: (Variable Volume)**

Sl. No.	VOLUME – RANGE	BRAND	Rate (Rs.)
1.	0.01 - 1.0µl		
2.	0.5 - 2.0µl		
3.	1.0 - 10.0µl		
4.	2.0 - 20.0µl		
5.	10.0 - 100.0µl		
6.	20.0 - 200.0µl		
7.	100.0 - 1000.0µl		
8.	100.0 - 1500.0 µl		
	Other Large Volume Capacity		
9.	1ml onwards		

PCR Kits

Sl. No.	Type of PCR Kits	Rate (Rs.)
1	White Spot Syndrome Virus (WSSV) – IQ2000 WSSV detection and prevention system	
2	Infection Hypodermal and Hematopoeitic Necrosis virus (IHHNV) – IQ2000 IHHNV detection and prevention system	
3	Infections Myonecrosis Virus (IMNV) – IQ2000 IMNV detection and prevention system	
4	Taura Syndrome virus (TSV) – IQ2000 TSV detection and prevention system	
5	Yellow Head Virus (YHV) – IQ2000 YHV detection and prevention system	
6	Necrotizing hepatopancreatitis bacteria (NHPB) – IQ2000 NHPB detection and prevention system	
II Kits for the detection of Fish Pathogens:		
1	Viral nervous necrosis (VNN) – IQ2000 VNN detection and prevention system	
2	Irido Virus (Irido) - IQ2000 Irido detection and prevention system	
3	Real Time PCT Kit - SYBR Green	
4	Cloning kit	
5	PCR Product purification kit	

CATEGORY – ‘B’

CLONING AND SEQUENCING:

Samples:-

1. Un purified PCR product, having single band
2. Purified PCR product, having single band

Processing:-

1. Cloning of the given DNA template
2. DNA Template - 500-1000bp > 1000 bp
3. Identification of the clones
4. Sequencing

Terms and conditions

- ❖ Samples would be submitted either as purified/unpurified PCR product/plasmid and bacterial culture
- ❖ Sequencing using (i) standard primers (ii) client-specific primers
- ❖ QC report
- ❖ Electropherogram of each reaction
- ❖ Sequences in Fasta format
- ❖ Samples for sequencing to be collected and transported from the Institute by the firm as and when required
- ❖ Turnaround time (after receipt of samples) : Approx: 10 days
- ❖ Company representative would collect the samples and primers meant for sequencing in dry ice every time on a pre-decided day from CIBA, at no extra charge.
- ❖ All the orders of sequencing from CIBA would be considered as one order.
- ❖ A blind control may be sent along with each batch for sequencing for validation of the sequence results which should not be considered for service charge
- ❖ The hard and soft copies of the sequencing results should be handed over to the indenter only and confidentiality is to be maintained
- ❖ Company would repeat all failed reactions without any additional cost. Reaction failed or not will be decided by indenter with justification based on the result of the blind control.
- ❖ Quality check of the samples is to be carried out by the firm before proceeding for sequencing at no extra cost. If samples are found unsuitable for sequencing, the same to be informed to the indenter before further processing.

- ❖ Results of sequencing must be supplied to the indenter in the form of Electropherogram Files with Phred score for all bases and compatible with all commonly used sequence visualization and processing softwares.
- ❖ The cloned cultures are to be returned back to the indenter.
- ❖ **Important:** 90% of the bases in the DNA sequence (excluding the initial primer length of not more than 30-40 bases) should have a Phred score of not less than 20. If less than 90% of the bases have a Phred score of 20, then the reaction would be considered as failed and should be repeated without any charge. On second failure of the sequencing reaction, no charges will be paid for the reaction.
- ❖ Handing over the cloned culture.
- ❖ The contract would be valid from the date of issue of this letter till August 2020
- ❖ CIBA would have the right to terminate the services of a firm at anytime if found unsatisfactory, without prior notice.
- ❖ It may be noted that the above rates will be in force with immediate effect till 31 August 2021.

SERVICE - II

The following services are required by this Institute on a continuous basis for a period of one year from the date entering into rate contract.

A: SEQUENCING SERVICES:

Type of sample	Length for sequencing	Rates in `			Remarks (Actions to taken by the company for sequencing)
		Single pass (A)	Double pass (B)	Primer walking (C)	
Unpurified PCR product having single band	<500bp			NA	PCR product clean-up to be done before sequencing
	>500-1000bp				
	>1000bp				
Purified PCR products product having single band	<500bp			NA	
	>500-1000bp				
	>1000bp				
Purified Plasmid DNA	<500bp				Only sequencing to be done
	>500-1000bp				
	>1000bp				

Unpurified Plasmid DNA in form of bacterial colony	<500bp				Plasmid extraction and purification to be done before sequencing
	>500- 1000bp				
	>1000bp				
<u>When DNA samples are supplied:</u> Quotations for synthesis of labeled primers (FAM/HEX/NED dyes and HPLC purified) and subsequent fragment sizing and analysis					Price to be quoted per locus.
<u>When tissue samples are supplied:</u> Quotations for synthesis of labeled primers (FAM/HEX/NED dyes and HPLC purified), DNA extraction, subsequent fragment sizing and analysis					Price to be quoted per locus.

Requirements (for sequencing services)

- Sequencing for single pass/double pass
- Samples would be submitted either as purified/unpurified PCR product/plasmid and bacterial culture
- Sequencing using (i) standard primers or
(ii) client-specific primers
- QC report
- Electropherogram of each reaction
- Sequences in Fasta format
- Samples for sequencing to be collected and transported from the Institute by the firm as and when required
- Turnaround time (after receipt of samples) : Approx: 10 days

SERVICE - III

Transcriptome sequencing

1. denovo Transcriptome sequencing using NGS technology with advance Bioinformatics tools to support NGS data output

1. RNA Extraction and Enrichment.
2. Quality reports and RIN Numbers to be provided.
3. Library Construction.
4. Transcriptome Sequencing using NGS technology.
5. Sequencing run to obtain at least 60 million reads per Transcriptome.
6. Advanced Bioinformatics tools to support NGS data output such as Differential Gene Expression analysis, Identification of novel transcripts, Denovo assembly of Transcriptome (genes and transcripts), Quantification of

Transcriptome (genes and transcripts), Functional annotation of expressed genes (BLASTX based protein similarity, Gene function, Gene Ontology, Metabolic and other pathway annotation), Calculation and Identification of development related genes, transcripts and pathways, SSR identification in the genes and transcripts.

2. Reference based Transcriptome sequencing using NGS technology with advance Bioinformatics tools to support NGS data output

1. RNA Extraction and Enrichment.
2. Quality reports and RIN Numbers to be provided.
3. Library Construction.
4. Transcriptome Sequencing using NGS technology.
5. Sequencing run to obtain at least 60 million reads per Transcriptome.
6. Advanced Bioinformatics tools to support NGS data output such as Differential Gene Expression analysis, Identification of novel transcripts, Denovo assembly of Transcriptome (genes and transcripts), Quantification of Transcriptome (genes and transcripts), Functional annotation of expressed genes (BLASTX based protein similarity, Gene function, Gene Ontology, Metabolic and other pathway annotation), Calculation and Identification of development related genes, transcripts and pathways, SSR identification in the genes and transcripts.

3. Transcriptome sequencing using NGS technology for raw data

1. RNA Extraction and Enrichment.
2. Quality reports and RIN Numbers to be provided.
3. Library Construction.
4. Transcriptome Sequencing using NGS technology.
5. Sequencing run to obtain at least 60 million reads per Transcriptome.

4. Small RNA sequencing using NGS technology

1. RNA Extraction and Enrichment.
2. Quality reports and RIN Numbers to be provided.
3. Library Construction.
4. Transcriptome Sequencing using NGS technology.
5. Bioinformatics analysis

SERVICE -IV**Whole genome sequencing**

- a. High Quality High Molecular weight DNA Extraction including Gel QC (suitable for NGS – illumina, nanopore and pacbio)
- b. TruSeq DNA good quality Lib preparation with QC on Bioanalyzer (250-300 / 400 - 700 bp) for Shot gun / PE sequencing
- c. Mate pair good quality library (3 kb / 5 kb/ 8 - 10 kb) preparation for Mate pair sequencing
- d. Illumina 150 bp PE sequencing with High quality (more than Q30) data per library - Raw data generation with QC
- e. Illumina Mate pair sequencing 150bp PE (38 Gb data Q30 passed) / library
- f. Denovo Assembly and contig generation with illumina Shot gun sequencing data with each library data (with proven softwares)
- g. Scaffolding and generation of good quality scaffolds including statistics (with proven softwares)
- h. Gene annotation and prediction. Validation of Gene (BLASTx based protein similarity) Gene function, Gene ontology , Metabolic and other pathway annotation.
- i. Nanopore library preparation or Pac Bio library preparation.
- j. Sequencing in Nanopore or Pac Bio
- k. Denovo assembly and Error correction with complementary platforms.

Terms and conditions

1. Company representative would collect the samples and primers meant for sequencing in dry ice every time on a pre-decided day from CIBA, at no extra charge.
2. All the orders of sequencing from CIBA would be considered as one order.

3. A blind control may be sent along with each batch for sequencing for validation of the sequence results which should not be considered for service charge.
4. The hard and soft copies of the sequencing results should be handed over to the indenter only and confidentiality is to be maintained.
5. Company would repeat all failed reactions without any additional cost. Reaction failed or not will be decided by indenter with justification based on the result of the blind control.
6. Quality check of the samples is to be carried out by the firm before proceeding for sequencing at no extra cost. If samples are found unsuitable for sequencing, the same to be informed to the indenter before further processing.
7. For primer walking of samples above 1000 bases, the rates should be quoted as ` per base. For Primer walking: All cost towards primers synthesis or any other charges should be inclusive in the quoted price.
8. Results of sequencing must be supplied to the indenter in the form of Electropherogram Files with Phred score for all bases and compatible with all commonly used sequence visualization and processing softwares.
9. **Important:** 90% of the bases in the DNA sequence (excluding the initial primer length of not more than 30-40 bases) should have a Phred score of not less than 20. If less than 90% of the bases have a Phred score of 20, then the reaction would be considered as failed and should be repeated without any charge. On second failure of the sequencing reaction, no charges will be paid for the reaction.
10. The contract would be valid for one year.
11. CIBA would have the right to terminate the services of a firm at anytime if found unsatisfactory, without prior notice.
12. For all legal matters and disputes if any, the jurisdiction will be Chennai only.

Payment details:

- ❖ The cost should be quoted in Rupees and should be inclusive of handling and transportation charges of samples.
- ❖ Payment would be done after satisfactory completion of the assigned sequencing work and receipt of the report by the indenter in the form of soft copy (CD), hard copies in addition to e-mail.

ANTIBIOTIC RESIDUE ANALYSIS

List of Antibiotics and pesticides to be tested

S.No	Antibiotics	Maximum permissible residual level in ppm
1.	Chloramphenicol	Nil
2	Furazolidone	Nil
3	Neomycin	Nil
4.	Tetracycline	0.1
5	Oxytetracycline	0.1
6	Trimethoprim	0.05
7	Oxolinic acid	0.3
8	Nalidixic acid	Nil
9	Sulphamethoxazole	Nil
10	Emamectin Benzoate	-
11	Nitrofurans	Nil
12	Others*	

***Other relevant antibiotics that need to be tested according to EIC**

Terms & Conditions:

1. Samples has to be picked up from the CIBA, HQ in appropriate packaging with no additional charges.
2. Samples should be analysed for antibiotics and pesticides (Annexure I).
3. Highest detection limits to meet the Maximum residual limits (MRLs) mentioned in Annexure I.
4. Should be a NABL accredited laboratory and recognised by AGMARK/ MOEF/ APEDA/ FSSAI and BIS.
5. Methodology for analysis
 - a. LC-MS
 - b. HPLC
 - c. GC-MS

6. Type of samples to be analysed:
 - a. Shrimp tissue
 - b. Soil
 - c. Water
7. Deliverables:
 - a. Standard test report along with chromatogram
 - b. Results should be provided via email and hard copy
8. Company would repeat all failed reactions without any additional cost.
Reaction failed or not will be decided by indenter with justification based on the result of the blind control.
9. CIBA would have the right to terminate the services of a firm at any time if found unsatisfactory, without prior notice.
10. For all legal matters and disputes if any, the jurisdiction will be Chennai only.

Payment details:

- ❖ The cost should be quoted in Rupees and should be inclusive of handling and transportation charges of samples.
- ❖ Payment would be done after satisfactory completion of the assigned sequencing work and receipt of the report by the indenter in the form of soft copy (CD), hard copies in addition to e-mail.

CATEGORY – ‘N’**FEED INGREDIENTS****Specification for Fish meal: Requirement 500 kg per month**

Protein	:	60.0% Minimum
Fat	:	10.0% Maximum
Total Ash	:	18.0% Maximum
Sand and Silica	:	2.0% Maximum
Moisture	:	12.0% Maximum
Pepsin digestibility	:	95.0% Minimum
Lysine	:	4.5% Minimum
TVN	:	120mg % maximum
Histamine	:	500ppm Maximum

Nutrient/Ingredient	Soyabean meal- Hipro
Protein	49% Min
Fibre	5% Max
Sand and Silica	Less than 2%
Moisture	Lessthan12%
Urease activity	0.05 MG N/G minimum to 0.35 MG N/G maximum at 30 Degree C By EEC method

CATEGORY 'O'

Artemia Cysts:

OSI Blue Ring with 85% + hatching rate. OSI Yellow Ring (Gold) with 80% + hatching rate and Artemia Nauplii.

Estimated Qty required:

24 tins per month. However the quantity may increase/ decrease depending upon the actual requirement

Live Artemia Nauplii: Hatched out Artemia nauplii free from cyst, microbes in controlled temperature.

Estimated Qty required:

15 trays of 800gms weight per month. However the quantity may increase/ decrease depending upon the actual requirement

CATEGORY 'Q'

1. Side Channel Ring blowers (turbine blowers)

Equipment/technology: Oil free Ring blower/side channel/ turbine blower/whirling charge blower.

Centrifugal vanes will make high pressure, great outflow and low noise.

Place of Delivery - ICAR-CIBA at its Muttukadu Experimental Station, Muttukadu, East coast Road, Muttukadu

Features:

- Compact, High pressure, great air out put, low noise.
- Non-oil lubrication and pure compressed air.
- Aluminum blower housing, impeller and cover
- Continuous duty, Non-pulsating operation.
- Low Noise and Vibration, Inlet and outlet can have internal silencer
- Can be mounted in any plane
- Oil Free design eliminates contamination of downstream components
- Cable length: >1.6m

Technical Specification

S.No	Phase	Watts	Air volume	Pressure	Required Numbers
1	Single phase	550W	95m ³ /h	<11KPa	8
2	Single phase	750W	120m ³ /h	<15KPa	6
3	Three phase	1100W	180m ³ /h	<16KPa	6
4	Three phase	1500W	190m ³ /h	<19KPa	6
5	Three phase	2200W	220m ³ /h	<22KPa	6
6	Three phase	3000W	290m ³ /h	<28KPa	8
7	Three phase	4000W	300m ³ /h	<35KPa	5

2. TWIN LOBE AIR BLOWER to provide 100% oil free pressurised air

Technical Specification

Type	ROTARY TWIN LOBE AIR BLOWER
Make	Everest or Equivalent make
Fluid to be handled	Air
Considered Inlet Temperature	Ambient
Considered Inlet Pressure	Atmospheric
Specific Gravity	1.0
Capacity suction (m³/hr)	425 Approx
Pressure (Bar)	0.20
Mode	59 AC
RPM	1000
BHP	4.20
Inlet and Out let in mm	80 NB
Recommended Motor (HP/RPM)	5/1440 With 'B' Class insulation
Orientation	Top suction, Bottom discharge
Type of drive	'V' Belt 'B' Pulley with NRV and Pressure Gauge.
MOC	
Casing & Side plates	C.I.F.G 260, IS:210
Rotors (Lobes)	S.G.Iron - 500/7
Shaft	EN -24 (817M40)
Gears	EN - 353 (815M17) duly hardened & ground
Bearings	SKF / ZKC Make Only
Base Frame	M S Fabricated

CATEGORY 'R'**1. PVC pipes of Schedule 40 grade (Brand Finolex)**

2. Place of Delivery - ICAR-CIBA at its Muttukadu Experimental Station,
Muttukadu, East coast Road, Muttukadu

S.No	OD in mm	Grade	Length	Approx req /annum (length)
1	63	CLASS 2, 4 KG/CM2	6 MTR	50
2	75	CLASS 2, 4 KG/CM2	6 MTR	20
3	90	CLASS 2, 4 KG/CM2	6 MTR	50
4	110	CLASS 2, 4 KG/CM2	6 MTR	30
5	50	CLASS 3, 6 KG/CM2	6 MTR	20
6	63	CLASS 3, 6 KG/CM2	6 MTR	50
7	75	CLASS 3, 6 KG/CM2	6 MTR	10
8	90	CLASS 3, 6 KG/CM2	6 MTR	30
9	110	CLASS 3, 6 KG/CM2	6 MTR	30
10	25	CLASS 4, 8 KG/CM2	6 MTR	60
11	32	CLASS 4, 8 KG/CM2	6 MTR	100
12	110	CLASS 4, 8 KG/CM2	6 MTR	10
13	140	CLASS 4, 8 KG/CM2	6 MTR	5
14	160	CLASS 4, 8 KG/CM2	6 MTR	5
15	20	CLASS 5, 10 KG/CM2	6 MTR	30
16	25	CLASS 5, 10 KG/CM2	6 MTR	30
17	32	CLASS 5, 10 KG/CM2	6 MTR	50
18	40	CLASS 5, 10 KG/CM2	6 MTR	10
19	50	CLASS 5, 10 KG/CM2	6 MTR	5
20	63	CLASS 5, 10 KG/CM2	6 MTR	20
21	75	CLASS 5, 10 KG/CM2	6 MTR	5
22	90	CLASS 5, 10 KG/CM2	6 MTR	5
23	110	CLASS 5, 10 KG/CM2	6 MTR	10
24	160	CLASS 5, 10 KG/CM2	6 MTR	6

PVC Fittings and Ball valves

Make :

1. **Fittings** – Finolex
2. **Ball valves** – Ashirvad or any other ISI brand which suitably matches with finolex pipes and fittings

PVC Fittings and Ball valves	All sizes in mm
Reducing Tee	Sizes (in mm) 25, 32, 40, 63, 75, 90, 110, 140, 160, and 200mm of heavy material thickness (6 and 10 kg pressure rating) available with Should max precisely with Finolex pipes of schedule 40 grade.
Plain Tee	
Reducer Bush	
End cap	
Reducer	
Tee Joints	
End cap (Pasting type)	
MTA	
FTA	
PVC Coupler	
Shoe Elbows	
Service Saddles	110/32; 110/40; 110/25
Reducers	25X 20/10 32X 25/10 40X 32/10 50X 40/10 63X 40/6 63X 50/6 75X 40/6 75X 63 /6 90X 63/6 90X 75 /6 110X 63/6 110X 75/6 (measurement in mm)
PVC and Polly Propylene valves (Ashirvad brand)	110 (10 numbers), 90 (15 numbers), 75 (15 numbers), 63 (100 numbers), 50 (50 numbers), 40 (50 numbers), 32 (150 numbers) and 25 (200 numbers)

SECTION – 8 –CHECK LIST

The following items must be checked before the Bid is submitted

Sl.No	Item	Yes / No
1.	Envelope “A” – Technical Bid	
a)	Application form duly filled & signed	
b)	Demand Draft for EMD	
c)	Price List (2019-20)	
d)	PAN Copy	
e)	GST Certificate	
f)	Authorization Certificates	
g)	Copies of Rate contracts	
h)	ITR for last 3 years	
i)	Cancelled Cheque & ECS mandate form	
2.	Envelope “B” – Price Bid (as per Section – 6)	

Your quotation must be submitted in two envelopes **Technical Bid (Envelope A) and Financial Bid (Envelope B)** super scribing on both the envelopes **the Tender no. and due date** and the both these sealed covers are to be put in a bigger cover which should also be sealed and duly super scribed with our **Tender No. & Due Date**

केन्द्रीय खारा जलजीव पालन अनुसंधान संस्थान (भारतीय कृषि अनुसंधान परिषद)
#75, संथोम हाई रोड, राजा अण्णामलैपुरम, चेन्नई - 600028, तमिलनाडु, भारत

Phone EPBX: +91 44 24618817, 24616948, 24610565

Fax: +91 44 24610311

Email: director.ciba@icar.gov.in, director@ciba.res.in

