

National Centre for Sustainable Aquaculture

(MPEDA, Ministry of Commerce & Industry, Government of India)

ISO 9001: 2015

House No: 70-1A-6/1, Boat Club Road,
Ramanayyapeta, Kakinada - 533003
East Godavari District, Andhra Pradesh.

Telephone: +91 884 2350655

Fax: +91 884 2350649

E-mail: nacsa@mpeda.gov.in,

Web: www.nacsampeda.org.in

NOTICE INVITING FOR QUOTATION

Ref. No: NaCSA/HQ/Tech/14/2019-20

Date 26-02-2020

The National Centre for Sustainable Aquaculture (NaCSA), under the administrative control of The Marine Products Export Development Authority (MPEDA), Kochi invites quotations in two bid system in separately (i.e. Technical BID and Financial Bid) from eligible bidders for the **“Supply of Lab Equipment, Chemicals and Glassware”** for NaCSA Aqua One Centres in different Coastal Districts of Andhra Pradesh under Government of India funding. The details of requirements and terms & conditions for each item are available in the NaCSA website: <http://nacsampeda.org.in>. The bids shall be submitted to NaCSA, HQ Kakinada. Dead line for submission of bid: 18.00 P.M **on 06-03-2020**. The bids are required to be submitted in two separate parts i.e. Financial bid & Technical Bid. The Financial Bid of bidders whose technical bid gets qualified would be opened.

Sd/-

CEO – NaCSA

National Centre for Sustainable Aquaculture

(MPEDA, Ministry of Commerce & Industry, Government of India)

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QUOTATION	
Scope of the Quotation	Supply of Lab Equipment, Chemicals and Glassware
Rate Contract period	March, 2020 to Feb, 2022 or 730 days from the date of the award of contract
Earnest Money Deposit	Rs. 1.00 Lakh (Rupees One lakh only) by Demand Draft in favour of NaCSA, payable at Kakinada
Last Date for submission of quotation	06.03.2020 at 18.00 PM
Preferable Make	Glassware: Borosil ®, Chemicals: Qualigens/Merck/ Loba Media: Hi-media, Plastic ware: Tarsan

Introduction:

The **National Centre for Sustainable Aquaculture (hereinafter referred as “NaCSA”)** is a society registered under the AP Societies Registration Act 35 of 2001 under the administrative control of The Marine Products Exports Development Authority (hereinafter referred as “MPEDA”), Ministry of Commerce and Industry, Government of India. NaCSA with its Head office at Boat Club Road, Ramanayyapeta, Kakinada, East Godavari District, Andhra Pradesh is entrusted with the forming of clusters of shrimp farmers as primary task of promotion of export of marine products from India.

Job Description

NaCSA invites two bid system in separate entries (i.e. Technical BID and Financial Bid) from eligible bidders for the supply of the laboratory equipment, Chemicals and Glassware in prescribed format from reputed firms/ dealers for entering into contract with the National Centre for Sustainable Aquaculture (NaCSA), Kakinada for the **“Supply of Lab Equipment, Chemicals and Glassware”** for NaCSA Aqua One Centres located in different coastal districts of Andhra Pradesh”.

Interested Bidders may obtain further information from the Head office of NaCSA at the address given below from 09:00 to 18:00 hrs. (IST) on all working days (Monday to Saturday) –

The Chief Executive Officer

The National Centre for Sustainable Aquaculture

(MPEDA, Ministry of Commerce & Industry, Govt. of India)

#70-1A-6/1, Boat Club Road, Ramanayyapeta,

Kakinada – 533005, E.G Dist., Andhra Pradesh

Telephone: +91 884 2350655, Fax: +91 884 2350649

E-mail: nacsa@mpeda.gov.in, Web: www.nacsampeda.org.in

CHAPTER – 1

1. INSTRUCTION TO BIDDERS:

- a) The bidders who are desire to participate shall submit their Technical bids, Financial bids etc., in the standard formats provided in Quotation document.
- b) **Validity of Quotation** - The offer should remain open for **180 (one hundred eighty)** days from the date of opening of quotation and there should be clear mention in the Quotation to that effect.

2. PRE QUALIFICATION CRITERIA:

- a) The bidder must be a Goods and Services Tax (GST) registered firm / company. Sub-authorization is not accepted.
- b) For Package A: The bidder should have had average annual financial turnover of not less than Rs.300.00Lacs during the last three years. The bidder should attach copy of audited/ITCC Certificate for the last three years duly attested by Chartered Accountant.
- c) For Package B: The bidder should have had average annual financial turnover of not less than Rs.50.0 Lacs during the last three years. The bidder should attach copy of audited/ITCC Certificate for the last three years duly attested by Chartered Accountant.
- d) The bidder is required to produce and attach solvency certificate for minimum value of Rs.10.0 Lac from the scheduled bank duly attested by the Chartered Accountant or Senior Branch Manager of the scheduled bank. Refer “**Annexure-XI**”. The certificate should not be more than six months old from the date of publication of quotation.
- e) The firm should not have been blacklisted, debarred, declared non-performer or expelled from any work of Union Government/ State Governments/ PSUs etc. during the last three years. They should also submit a self-declaration on its letter head for the same. The firm should also provide information regarding litigation / arbitration cases for the last five years as per **Annexure-X**

3. TERMINATION OF CONTRACT:

- a. If the supply of contractor at any stage is found unsatisfactory, NaCSA is likely to terminate the Contract without assigning any reason and notice. The performance security deposit will be forfeited, without any intimation.
- b. The NaCSA may without prejudice to any other remedy for breach of contract may terminate the contract in whole or parts if the firm fails to arrange the supply of any or all the items within the period(s) specified in the contract.
- c. NaCSA may without prejudice, to other rights under law or the contract provided get the supply of material done at the risk and cost of the firm, in the above circumstances.

4. TERMINATION FOR INSOLVENCY:

NaCSA may also give written notice for termination of contract/ Order and without compensation to the firm, terminate the contract/ Order, if the firm becomes unwilling, bankrupt otherwise insolvent without affecting its right of action or remedy as hirer.

5. FORCE MAJEURE CLAUSE:

If any time during the continuance of this contract, the performance in whole or in part by either party of any obligation under this contract is prevented or delayed by reason of any war, or hostility, acts of the public enemy. Civil commotion, sabotage, fires, floods, explosions, epidemics, quarantine restrictions, strikes, lock outs or act of God (Hereinafter referred to as events) provided notice of happenings, of any such eventuality is given by either party to the other within 21 days from the date of occurrence thereof, neither party shall by reason of such events be entitled to terminate this contract nor shall either party have any claim for damages against the other in respect of such non performance or delay in performance and the contract shall be resumed as soon as practicable after such an event may come to an end or cease to exist and the decision of NaCSA as to whether the service have to resume or not shall be final and conclusive, provided further that if the performance in whole or part of any obligation under this contract is prevented or delayed by reason of any such event for a period exceeding 60 days either party may, at his option terminate the contract.

6. ARBITRATION:

In the event of any question, dispute or difference arising under the agreement or in connection there with (except as to matter the decision to which is specifically provided under this agreement), the same shall be referred to sole arbitrator to be fixed by mutual consent of both the parties. The venue of the arbitration proceeding shall be NaCSA, HO, Kakinada.

Any legal dispute arising out of this contract should be dealt by Courts having jurisdiction at Kakinada.

7. AMENDMENT TO THE QUOTATION

- a. At any time prior to the last date for receipt of bids, NaCSA may, for any reason, whether at its own initiative or in response to a clarification requested by a prospective bidder or as a outcome of the deliberation of Pre-Bid Conference, if any, modify the quotation document by issuing an amendment.
- b. The amendment will be notified in the official Web site of NaCSA (www.nacsampeda.org.in), which can be accessed by any prospective bidders.
- c. In order to afford prospective bidders reasonable time to take the amendment into account in preparing their bids, NaCSA may, at its discretion, extend the last date for the receipt of quotations.
- d. The Quotation Enquiry and Purchase order (or resultant contract) will be interpreted under Indian Laws.

8. REJECTION OF BIDS:

Canvassing by the Bidder in any form, unsolicited letter and post-quotation correction may invoke summarily rejection with forfeiture of EMD. Conditional quotation i.e. quotation submitted incorporating bidders own imposed condition(s) will be summarily rejected. No post-bid clarification on the initiative of the bidder will be entertained. Quotations received after the due date summarily rejected.

CHAPTER – 2

****CONDITIONS OF CONTRACT****

GENERAL

- The bidders should quote all inclusive rates for delivery of articles including GST/ Packing/Delivery charges/Insurance charges etc. at the consignee premises.
- In case of requirement of Waybill at the time of delivery, the prescribed Entry tax whatever needed shall be borne by the supplier. Arrangement for obtaining of necessary Waybill/Road permit shall be the responsibility of the supplier.
- The quoted rate shall remain unaltered during the entire contract period. The estimated requirement of Supply of Chemicals, Glassware and Instruments as per **Annexure V** is indicative and can vary based on the operational circumstances of the Aqua laboratory and hence the quoted rate shall remain unaltered even if there is a decrease in the number of Chemicals, Glassware and Instruments ordered by NaCSA.
- The earliest date by which delivery can be completed should be mentioned in the quotation

DELIVERY INSTRUCTION:

Supplies are to be made as per requirement of NaCSA and the items are to be delivered at given addresses in the **Annexure-VI** within 3 weeks from date of issue of purchase order.

PRICE:

The price shall be quoted in Indian Rupee, indicating break-up for the equipment and accessory instruments, details of tax as applicable and other over-heads. The price shall be inclusive of all costs of freight, insurance, transportation, delivery (**door delivery to respective floors**) and installation & commissioning at the respective laboratories.

WARRANTY AND SERVICE AFTER SALE :

- 1) **Two years** comprehensive warranty from the date of completion of installation for the complete system including replacement of instruments/ parts / spares / accessories and labour charges.
- 2) Complete set of spares and consumables as stand by shall be provided/made available along with the equipment or from time to time during the period of warranty.
- 3) The repair/servicing shall be done periodically for the equipment to be carried out by the manufacturer/supplier free of cost during the entire warranty period, or extended warranty period irrespective of any number of repairs / services.
- 4) Definite time schedule for servicing of equipment, time required for attending break-downs, etc shall be indicated in the terms & conditions for warranty and AMC.

- 5) Shall provide good after sale service/technical support capable of attending to problems on short notice, at places where the equipments are installed. At least 2 preventive maintenance visits and unlimited breakdown calls by the service/application support engineer during the warranty period, every year.
- 6) The manufacturer / supplier shall give a warranty certificate as per the format attached in the quotation Document (**Annexure VII**).

ANNUAL MAINTANCE CONTRACT (AMC)/CMC:

- 1) Shall provide annual maintenance contract / service contract after the warranty period for the lab equipments (electronic equipments etc.).
- 2) The cost/rate and the terms and conditions for AMC for three years, after the warranty period (3rd, 4th and 5th year) have to be specified.
- 3) The payment terms for the AMC shall be as per the Rule 159 of GFR 2005 (Govt. of India) and amendments there to.
- 4) Definite time schedule for servicing of equipment, time required for attending breakdowns, etc shall be indicated in the terms & conditions for AMC

TRAINING OF PERSONNEL:

- 1) Basic training for a period not less than two days after installation of the equipment to the technical personnel of concerned laboratories.
- 2) Trouble shooting training as and when required.
- 3) Installation checkout specification (pre – requisite) shall be provided by the supplier

LIQUIDATED DAMAGE CLAUSE:

- The schedules of delivery as per Purchase Order should be strictly adhered to. In case there is delay in the delivery of items, the firm will be liable to pay the liquidated damages @ 1% of the total value of the item per day
- The successful Bidder shall have to supply the items within the time limit specified in the purchase order. In case, extension of time is required for valid reason, the request should be given within 05 days from the date of receipt of purchase order. Such request will be examined, and extension of time granted on merit.
- On receipt of purchase order, the firm shall acknowledge the same. If no information is received, the firm shall be deemed to have agreed to supply within the stipulated period.
- Supply of items has to be as per specification mentioned in the Purchase Order. All items supplied shall be of the latest batch/year.
- All items / supplied shall be accompanied with necessary Certificate of Analysis (COA) or Compliance Certificate along with required reference standards.

- Item(s) rejected shall be replaced with item specified (quality & quantity) in the purchase order within 7 days from the supply. In case of any failure in this regard, no payments will be made for the rejected quantity.

METHOD VALIDATION:

The successful Bidder shall be carried out method validation for the Chemicals and Instruments performance by their own application chemist in as per the technical requirements of **EU CRL 2010**, preferably within 10 days time from date of award of contract with own expense. Any failure /unsatisfactory performance will lead to the rejection of entire offer from that particular party/firm. In that case next party will be called up for performance verification and same procedures will be followed.

EARNEST MONEY DEPOSIT (EMD):

- The Bidders shall submit **EMD of Rs 1.00 Lakh** (Rupees One lakh only) in the form of Demand Draft in favour of the **NaCSA payable at Kakinada**.
- No interest is payable on the **EARNEST MONEY DEPOSIT AMOUNT**.
- The validity of the amount submitted as the **EMD**, should be suitably extended by the Bidder, if needed, beyond validity of the quotation.
- The EMD will be returned to the unsuccessful Bidders, EMD of the successful bidder will be adjusted towards **PERFORMANCE SECURITY DEPOSIT** till completion of contract period.
- In case of withdrawals or amends or impairs or derogates or non-compliance of Quotation condition(s) of the offer in any respect within the validity period of the quotation or refusal to furnish **PERFORMANCE SECURITY DEPOSIT** in the event of getting intimation of awarding the Purchase Order, the **EMD** amount is liable to be forfeited.
- The quotation received after the prescribed date and / or time and without EMD will be rejected.

PERFORMANCE SECURITY DEPOSIT:

- The successful bidder shall produce **PERFORMANCE SECURITY DEPOSIT** for an amount equal to 10% of the bid value (Chapter 6.1.2 of Manual of Procurement of goods) in the form of Demand draft or Bank Guarantee.
- EMD will be adjusted towards **PERFORMANCE SECURITY DEPOSIT** in the case of successful Bidder till completion of contract period. The successful bidder need to submit the Performance Security Deposit for the difference amount **For example** Successful bidder has to be submitted Demand Draft or Bank Guarantee for Rs 11.00 Lakh (Rupees Eleven lakhs) favouring NaCSA to make total **PERFORMANCE SECURITY DEPOSIT** as Rs. 12.00 Lakh in case the total bid value is Rs.1.2 crore.
- In case of non-delivery of the ordered materials in time or/and for any other bad delivery performance or/and failure of the delivered material which are not meeting the required specifications like Quantity, Quality, Purity and Grade/Specification

etc, NaCSA will quantify the loss sustained or penalty leviable thereon and the performance security will be adjusted against such loss or penalty.

- d. The Performance Security Deposit amount will be returned to the Supplier by deducting all penalties or other amounts due from the contractor after completion of contract period.
- e. In case of any delay in supply beyond the stipulated time without any valid reason, a penalty @1% per day of the total value of the item(s) delayed will be levied from the successful bidder.

PAYMENT TERMS:

- a. Payment amount will be credited through RTGS after satisfactory receipt, evaluation of items and submission of original invoice/relevant documents like Certificate of Analysis (COA) along with other documents mentioned in purchase order in two instalments : 1) 90% of the payment in rupee terms shall be released against satisfactory installation, commissioning and training of the equipment in respective labs. 2) Balance 10% after 6 months from the date of successful installation and commissioning of the instrument/s
- b. Part supply is allowed. However, payment will be effected only after completing the entire supply of items mentioned in purchase order.

SUBMISSION OF BID

The sealed Technical bid and Financial bid with separate envelopes to be placed in main envelope. However the ORIGINAL of the bids in sealed envelope Should be superscripted “**Quotation for Supply of Lab Equipment, Chemicals and Glassware**” along with copies of relevant certificates / documents mentioned in the quotation notice may please be submitted on or before last day notified in the quotation to NaCSA HQ , Kakinada addressed to:-

The Chief Executive Officer
The National Centre for Sustainable Aquaculture
(MPEDA, Ministry of Commerce & Industry, Govt. of India)
#70-1A-6/1, Boat Club Road, Ramanayyapeta
Kakinada – 533003, E.G Dist, Andhra Pradesh
Telephone :+91 884 2350655, Fax: +91 884 2350649
E-mail: nacsa@mpeda.gov.in, Web: www.nacsampeda.org.in

TERMS AND CONDITIONS

- I. Submit Authorization certificates/letter as per **Annex II**. The rate/price of items quoted shall be all inclusive of all taxes, duties, packing charges, insurance, forwarding charges, entry tax etc.,
- II. If the quotation opening day happens to be holiday, the quotations will be opened on the next working day.
- III. The L1 quoted price will be considered for purchase provided it meets the all specifications.
- IV. The rates quoted in the quotation should be valid for a period of 2 years (from March, 2020 to Feb, 2022 or **730** days from the award of contract).
- V. Quotations which are incomplete in terms of specifications or required details will not be considered and such quotations are liable to be rejected.
- VI. Quotation document should be page numbered and signed on all pages by the Authorized signatory along with seal of the Firm/ Agency.
- VII. The person signing the quotation shall have the authority to sign the quotation on behalf of the said company. Authorization to sign the quotation on behalf of the company and ID proof to be attached.
- VIII. **Penalty:** If the Bidder fails to supply the items as per Purchase Order issued or supply items which are inferior in quality than specified, the Performance security will be forfeited and the party will be blacklisted from further dealings.
- IX. The CEO, NaCSA reserves the right to reject any or all the quotations without assigning any reason and to place order with one or more firms.
- X. This contract can be extended for one more year with mutual consent without any enhancement in rates.

CLARIFICATION OF QUOTATION DOCUMENT:

Prospective Bidders requiring any clarification of the Quotation Document may notify NaCSA in writing at mailing address mentioned above. NaCSA will respond in writing to any request for clarification of the Quotation Document, received not later than. **06.03.2020**

BID EVALUATION CRITERIA:

- I. The Technical & Financial (BOQ) bids will be opened by a committee of the officers duly constituted for the purpose.
- II. The lowest total financial offer (BOQ) (inclusive of all financial/cost aspects) as which is the ultimate landing cost up to the consignees place will be selected.

FINANCIAL BID FORMAT

Name of work – Supply and commissioning of laboratory equipment, chemicals and glassware for NaCSA AOC laboratories a separate Xls file has been provided with a file name “**BOQ**” a copy of duly signed and filled Xls file has to be submitted along this Financial Bid format.

Name of the Bidder:

1	2	3	4	5
S.No	Particulars	Total Basic Rate in Rs.	GST	Total amount with GST (3+4) in Rs.
1	PACKAGE A			
2	PACKAGE B			
Sub Total				
	Grand Total ::			
	AMC for 3 rd Year			
	AMC for 4 th Year			
	AMC for 5 th year			
Sub Total				
	CMC for 3 rd Year			
	CMC for 4 th Year			
	CMC for 5 th year			
Sub Total				
Grand Total				

.Note : For AMC/CMC quote price in % on basic cost of Individual equipment.

Date:

Official Seal

Signature of the bidder/Authorized signatory

Letter for submission of Quotation in company letter head

To,

**The Chief Executive Officer
The National Centre for Sustainable Aquaculture
(MPEDA, Ministry of Commerce & Industry, Govt. of India)
#70-1A-6/1, Boat Club Road, Ramanayyapeta
Kakinada – 533003, E.G Dist, Andhra Pradesh**

**SUB: SUPPLY OF CHEMICALS, GLASSWARE AND INSTRUMENTS
for NaCSA AQUA ONE CENTERS.**

Sir,

I / We /am/ *are authorized signatories of M/s.....
undertake as follows:-

1. I/ We hereby undertake to supply Lab items for a period of **TWO Years** from -----
----- to ----- at the rates quoted by me/us and in the pack size mentioned in
quotation form, which is submitted herewith according to the instructions and the
terms and conditions.
2. The rates quoted against each lab item by me/us in the quotation and excel sheet
are all inclusive including packing charges, freight charges and duties payable during
the contract period. However, % GST charges are mentioned separately against
each item.
3. Necessary documents are enclosed herewith in the order in which they are
mentioned.
4. I/We have carefully read and understood the terms and condition to avoid any error,
omission. I/we shall abide by these conditions. I/we will follow them scrupulously.
5. My/our firm has not been blacklisted by any Govt. institution/Organization during the
last three years.
6. I/we hereby undertake to abide by the terms and conditions of the contract and I/we
have signed all the papers of terms and conditions and filled up prescribed
Performa(s) given along with the quotation.

Yours faithfully,

(Signature of Bidder with seal) (Authorized Signatory)

*Strike out not applicable

AUTHORIZATION LETTER

(On Letter head of the Firm/ Company)

Date:

(Authorization letter to be issued by the manufacturer for appointing Distributor / Dealer / Agent etc.)

I/We the undersigned who is / are authorized signatory / signatories of the manufacturing firm M/s.

..... address do hereby Authorize M/s.

.....address

to supply items / collect the orders / raise the bills for the items manufactured by me/ us. I /we have authorized/ not authorized* any other Distributor / Agents/ Dealer etc for this purpose.

I/we have gone through all the terms and conditions of the quotation and the same shall be binding on me/ us and also on the Distributor /Dealer /Agent M/s.
.....

appointed by me/us during the whole contract period including extension period of the said contract, if any.

Authorized signatory of the firm (Seal)

*Strike out not applicable

Note: Relevant copy of the letter from the respective principals may be enclosed.

UNDERTAKING

Date

I/we am/ are authorized signatory / signatories of the firm M/s. (Address)

..... do here by undertake that-

1. The firm is in this business in continuation for last three years i.e.,-----
----- to till date.
2. If any information in the quotation submitted by me is found incorrect/ false
at any time, the quotation is liable to be rejected
3. The terms and conditions of the quotation is acceptable in full.

Authorized signatory

(Seal)

MANDATE FORM
(Bank details for e-PAYMENT)

1. Name and address of beneficiary:
2. Bank account no:
3. Type of account (S.B/Current/Cash credit):
4. Digital code number of the bank and branch as appearing on the MICR Cheque issued:
5. Name of bank:
6. Name of branch and address, Telephone No:
7. IFSC Code (Indian Financial Service Code):
8. Photocopy of cancelled cheque to confirm correctness of IFSC code and Account No:

I hereby declare that the particulars given above are correct and complete. If the transaction is delayed or not effected at all for reason of incomplete or incorrect information given by me as above, I would not hold the user institution responsible.

Date:

(Signature of the Beneficiary)

For BANK

Certified that the particulars furnished above are correct as per our records. Bank's seal:

Date:

Signature of the

Authorized
Official

S p e c i f i c a t i o n s :
Annexure - V

LAB EQUIPMENT SECTION-A

S. No	Instrument / Item	Qty	Specifications	Requirement	Yes/ No
1	Spectrophotometer Visible	10		Reference detector technology (RDT)	
			Optical Design	Monochromator, Insensitive to external light for fast measurements without cuvette slot cover	
				Cuvette slot must be covered for color measurements and measurements in the UV-range	
			Light Source	Instrument should have 1 or 2 sources i.e.	
				Halogen lamp for Visible range	
				Deuterium Lamp for UV range, light source should be auto automatically selected as per wavelength required.	
			Spectral Bandwidth	< 4 nm	
			Holmium oxide filter	Instrument must have a preinstalled Holmium oxide filter to automatically check for wavelength accuracy	
			Measuring modes	Absorbance, transmission, factor, kinetics, 2-point calibration, scan, nephelometric turbidity measurement, Different color measurement scales	
			Wave Length Resolution	Resolution: 0.1	
			Wavelength Range	320-1100 nm Wavelength	
			Wavelength accuracy	± 1 nm for entire range	
			Wavelength reproducibility	<0.5nm	
			Scanning speed	1 complete scan < 1 min	
			Photometric Range	± 3.0 A in wavelength range 340-900 nm	

			Photometric accuracy	0.005 at 0.0 A–0.5 A; 1% at 0.5A–2.0 A	
			Photometric linearity	< 0.5% at ≤ 2 A; $\leq 1\%$ at > 2 A	
			Stray light	<0.1%	
			Measuring modes	More than 200 preprogrammed tests and special methods, 100 optionally programmable user defined methods, absorbance, transmission, factor, kinetics, 2-point calibration, scan, nephelometric turbidity measurement, Different color measurement scales or Programmable	
			Turbidity measurement	Nephelometric turbidity measurement at 860 nm, 0.1–1000 NTU, instrument should have separate optics for turbidity measurement. Turbidity must be measured and shown for preprogrammed tube tests and customized methods in tubes and shown together with the result of the measurement to account for interfering turbidities	
			Preprogrammed special methods	Nephelometric turbidity and TSS	
			Inspections equipment monitoring (IQC)	Instrument must have a preinstalled Holmium oxide filter to automatically check for wavelength accuracy. Control of lamps, photometric correctness and stray light. Measurement of standards, spike additions, multi determinations and dilutions	
			Color measurements	CIE conform color measurements must be possible; Measurement of color according to ISO7887 B,C,User programs:- 100	
			Cuvette slot	Universal cuvette slot for Test tubes 16 mm OD. Rectangular cuvettes 2 mm, 10 mm, 20 mm, 40 mm and 50 mm	

			Data memory	16 GB Internal Micro SDHC card, 5000 measured data sets, 100 spectra, GLP conform (result, date, time, operator, dilution, comment, sample ID)	
			Display	HD 10 inch, anti-reflective cover glass with projected capacitive touch screen (PCAP).	
			Operation	Barcode technology, icon-based menu guidance, touch screen	
			Languages	DE / EN / FR / ES / PT / PL / HU	
			External light	Insensitive, open cuvette slot for wavelength range of 340nm-1100nm	
			Interfaces	LAN (CAT 6; only use shielded cable of max. 20 m length), 2 x USB (Host), 1 x USB (Function) and 1 x RS 232 (only use shielded cable of max. 3 m length)	
			Update:	Via Internet / PC and USB stick	
			Operating range	10–40 °C, max. 80 % relative humidity (without condensation)	
			Power supply	12 V, DC 3A	
			CLASS – 1M LASER-PRODUCT	The barcode reader of the spectrophotometers is subject to laser protection class 1M.	
			warranty	2 years of warranty	
2	Digital pH meter	10	Type	Multiparameter type	
			Measuring Method	pH: Glass electrode	
			Range		
			pH	-2.000 to pH16.000	

			Conductivity	0.1 mS/m to 10 S/m (Conductivity: 0.000 to 2.000mS/m (0.00 to 20.00µS/cm) 0.00 to 20.00mS/m (0.0 to 200.0µS/cm) 0.0 to 200.0mS/m (0.000 to 2.000mS/cm) 0.000 to 2.000S/m (0.00 to 20.00mS/cm) 0.00 to 20.00S/m (0.0 to 200.0mS/cm) Switching between SI unit (S/m) and old unit (S/cm) (Automatic/Manual range switching)	
			Salinity (NaCl)	0.00 to 4.04% (NaCl), 0.00 to 42.40psu (PSS) Conversion from electrical conductivity	
			Total dissolved solids (TDS)	0 to 99.99mg/L 0 to 999.9mg/L 0 to 9.999g/L 0 to 99.99g/L 0 to 999.9g/L (Automatic/Manual range switching) Conversion from electrical conductivity	
			Temperature	0.0 to 100.0°C	
			Display resolution pH	0.01pH/0.001pH	
			Conductivity	0.05% FS	
			Total dissolved solids (TDS)	0.01% FS	
			Salt	0.01% (NaCl) 0.01psu (PSS)	
			Temperature	0.1°C	
			Electrical resistivity	0.05% FS	
			Repeatability	pH: Within ±0.006pH	
			Conductivity	±0.5% FS	
			Electrical resistivity	±0.5% FS	
			Salt	±0.5% FS	
			Total dissolved solids (TDS)	±0.5% FS	
			pH Temperature	ATC (Automatic temperature compensation) 0 to 100.0°C MTC (Manual temperature compensation) 0 to 100.0°C	
			Electrical conductivity temperature	ATC (Automatic temperature compensation) 0 to 100.0°C MTC (Manual temperature compensation) 0 to 100.0°C ATC OFF (No temperature compensation)	

			Calibration	5-point calibration for pH, Temperature calibration: 1- point calibration	
			Data memory	Should have capable store the data in both channels up to 1500 data points	
			Auto-hold function	Stable judgment value: Fixed, (Always displayed during measurement)	
			Calibration history	To store the latest 10 calibrated data including on the Probe side	
			Waterproof construction	IP67 (valid for connecting probes and masking external input/output)	
			Power source	AA alkaline dry battery/two rechargeable nickel-metal hydride batteries/ USB power supply	
			Expansion	System should be easy extensibility for connecting external printer and computer	
3	Weighing balance	10	4 digit		
			Type of Electronic Weighing Machine	Electronic Precision Pan Balance	
			R a t e d L o a d / Capacity(kg)	220 gm	
			Resolution(gms)	0.1mg	
			Class type	Class-I	
			Display	lcd	
			Number of Display	single	
			Speed of measurement	3 second	
			Internal calibration	Yes	
			Number of scale division	0.1 mg	
			Tare provision	automatic	
			Connectivity to Computer	Yes	
			Number of USB ports	1	

			Number of RS232 ports	1	
			Power Requirement	mains operated battery operated	
			Power Supply	Single Phase	
			DC Operating voltage in Volts	12 Volt	
			Battery Backup	Yes	
			Backup time(hour)	10	
			Battery type	rechargeable	
			Battery rating	12 volt	
			Type of Sensing Element	EMFC	
			Number of load cell/ EMFC	1	
			Class of Protection	IP 65	
			Warranty in Years	3	
			DIMENSIONAL & MATERIAL PARAMETERS		
			Material of platform	WM-21(326)/2010 AND 09/11/2010	
			Pan/ Platform Shape	circular	
			Pan/ Platform Size	90 m dia	
			Dimensions of weighing machine (L X W X H) in mm x mm x mm	213x356x338	
			Weight of Weighing Machine	6.2 kilogram	
4	DO meter	10	Instrument should be Multi parameter type with digital probe connectable. Instrument should be capable to measure Dissolved Oxygen by optical technology. It should have digital Probe technology with automatically recognizes probe information. Multiple probe combinations are for 2 channel measurement and have digital Communication Transmission (Rs-485 Transmission).It should be portable slim design and have 1500 Data memory. Instrument should display the measurement Time, temperature.		
			Measuring method		
			DO	Dissolved oxygen: Optical type	

			Display	Custom LCD (with backlight)	
			Range		
			DO	0-20 mg/l	
			Saturation rate	0-200%	
			Temperature for DO Probe	0.0 to 50.0°C	
			Repeatability		
			DO	8 mg/l± 0.1 mg/l	
			Saturation rate	100%±1%	
			Temperature	Within ±0.2°C	
			DO Temperature	ATC (Automatic temperature compensation) 0 to 50.0°C	
			Data memory	Should have capable store the data in both channels up to 1500 data points	
			Auto-hold function	Stable judgment value: Fixed, (Always displayed during measurement)	
			Calibration history	To store the latest 10 calibrated data including on the Probe side	
			Waterproof construction	IP67 (valid for connecting probes and masking external input/output)	
			Power source	AA alkaline dry battery/two rechargeable nickel-metal hydride batteries/USB power supply	
			Expansion	System should be easy extensibility for connecting external printer and computer	
5	flame photometer	10	CONFIGURATION		
			Filters Required	Na, K, Ca	
			Display	20 x 4 alphanumeric backlit LCD display	
			Range	Na: 0-100 ppm Ca: 20-100 ppm, K: 0-100 ppm	

			Sensitivity	Na: 5 ppm Ca: 10 ppm K : 5 ppm	
			Detector	Silicon Photodiode	
			Ignition System	Auto Ignition	
			Resolution	0.1 ppm	
			Power	230 V + 10% AC, 50 Hz	
			Calibration	Upto 5-Point Calibration with curve fitting software	
			Flame System	LPG & dry oil free air	
			Air Supply	By oil free mini compressor unit with pressure regulator	
			Combustion Gas	Controlled by precision regulator	
				**Supply mini cylinder with regulator	
6	Digital Refractometer	10	Salinity (PSU) Range	0 to 50 PSU	
			Salinity (PSU) Resolution	0.5 PSU	
			Salinity (PSU) Accuracy	±2 PSU	
			Salinity Range	0 to 150 ppt	
			Salinity Resolution (ppt)	0.5 ppt	
			Salinity Accuracy (ppt)	±2 ppt	
			Specific Gravity Range	1.000 to 1.114 Specific Gravity (20/20)	
			Specific Gravity Resolution	0.001 Specific Gravity (20/20)	
			Specific Gravity Accuracy	±0.002 Specific Gravity (20/20)	
			Automatic Shut-Off	after three minutes of inactivity	
			Battery Type/Life	9V / approximately 5000 readings	
			Dimensions	192 x 102 x 67 mm (7.6 x 4.01 x 2.6")	
			Weight	420 g (14.8 oz.)	

			Refractometer Light Source	yellow LED	
			Minimum Sample Volume	100 µL (to cover prism totally)	
			Sample Cell	stainless steel ring and flint glass prism	
			Measurement Time	approximately 1.5 seconds	
			Ordering Information	HI96822 is supplied with battery and instruction manual	
			Notes	Enclosure Rating: IP65	
7	Soil pH meter	10			
8	Portable water Analysis kit	10		for analysis of DO, pH, Alkalinity, Nitrite and Ammonia, Total Hardness, Calcium, Magnesium and Soil test kits for Organic carbon, Nitrogen and Phosphorous	
9	Plankton Net	10			
10	Secchi Disk	10			
11	Microscope	10	Binocular research	pathological binocular non hinged type with built in light and with light intensity regulator	
			Microscope Frame	Coaxial Coarse/fine knobs : tension adjustment on the right side, Fine focus knob graduated, Stage movement (XY direction) on rack and pinion, Quadruple revolving nosepiece (fixed), Plane stage 120 * 132 mm, With right hand mechanical stage, Abbe condenser N.A. 1.25 (oil immersion), with aperture iris diaphragm, Blue filter Universal Power Supply (100 V to 240 V) for 6V 20 W illuminator 8cc immersion oil, Dust cover, Mirror Unit(Plano-concave)	
			Observation Tube	Binocular observation tube (inclination 45 degree, Interpupillary distance adjustment range 53-75mm), diopetre adjustment on the left	

			Objectives	achromatic iNEA Achromat 4x(anti-fungus), iNEA Achromat 10x(anti-fungus), iNEA Achromat 40x(anti-fungus) s p r i n g , iNEA Achromat 100x(anti-fungus) spring oil	
			Objective Magnification	10 x	
			Numerical Aperture of Objective	1.25	
			Eyepiece	lcwhk 10X (LB eyepiece 10 X), F.N. 18 mm, (anti- fungus) (x2)	
			Eye piece Type	Huygenian	
				Binocular Eye pieces Confirming to the requirements of IS: 8275/1976 (latest)	
			Lamp	6V 20 W halogen lamp (x2)	
			Power Chord		
12	Auto Pipettes	10	1000µl		
13	Pocket PCR			<p>CE-IVD certified.</p> <p>Should test pre-stocking screening of Pond Soil, Seed and routine monitoring of stocks and culture environment for a wide range of pathogens in a very effective way.</p> <p>Accurate -analytical sensitivity up to 10 copies per reaction, equivalent to real-time PCR.</p> <p>Easy to operate -one touch operation using a pre-programmed protocol.</p> <p>Easy to interpret -results directly displayed as positive or negative on screen.</p> <p>Quality system in compliance with ISO 9001, ISO 13485 and GMP.</p>	
			PCR Amplification Technology	Insulated isothermal polymerase chain reaction (iiPCR)	
			Fluorescent Wavelength	520 nm / 550nm	
			Detection Target	DNA / RNA	
			Sensitivity	Up to 10 copies per reaction	

			Throughput	1 - 4 samples per run	
			PCR Reaction Time	Approx. 45 minutes	
			Data Storage	Micro SD card	
			Dimensions & Weight	160 (W) × 78 (D) × 55 (H) mm	
			Weight	430 g	
			Operating Temperature	15 - 35°C	
			Power Source	Li-ion polymer battery	
			Warranty Information	1-year limited warranty	
			Certification	CE-IVD	
			Award	any	
14	Rapid test kits	10		EHP, WSSV kits (for both Soil and Seed)	

MICROBIOLOGY INSTRUMENTATION-SECTION B

S.No	Instrument	Qty	Specification		
1	Refrigerator	10	250 Lit		
2	Incubator	10			
			Heating Chamber Size (IN Litres)	64	
			Number of compartments (in nos)	1	
			Maximum Hot Case temperature (Degree in C)	250	
			Inside Finish	SS	
			Material of partition/Shelves	SS	
			Temperature Control System	Electronic	
			Type of Door/Shutter	Shutter	
			Display of Hot Case Temp	Yes	
			Material of Door	Other	
			CONSTRUCTIONAL		
			Over all Size (mm)	570 x 500 x 720	
			Operating Voltage (Volt)	230AC	
			Weight (in Kg)	52	
			Maximum Wattage (KW)	1	
3	Laminar air flow	10	2*2*3		
			Size of Sink (mm)	200 millimeter	
			Power Rating	100	
			Drawing No.	10	
			Product Code available on Web	No	
			Safety Device Trip (Nos)	1	
			Material of Base Cabinet	SS	
			Working Platform Material	SS	
			Double wall Construction	Yes	
			Ducting Material	SS	
			Details of Electrical outlets	YES	
			Product Code No	3452	

			Air Flow (Cubic metre/hr)	100	
			Width of Base Cabinet (mm)	609	
			Material of Front shutter	other	
			Overall length of Fumehood (mm)	914	
			Base Cabinets	With	
			Ducting for hood	With	
			Efficiency & Noise level of Blower (%, dB)	65DB	
			Thickness of wall (mm)	40	
			Operating Temperature of Fume hood (degree C)	50 degree Celsius	
			Material of Fume hood	SS	
			No. of Drawers in the Base Storage Unit (Nos)	1	
			Fume hood installation Kit and Accessories	With	
			Height of Base Cabinet (mm)	914	
			Type of Filter	HEPA	
			Type of Fume hood	Laboratory	
			Length of Base Cabinet (mm)	609	
			Fire Resistant	Yes	
			Utility Pipe lines for Nitrogen, Compressed Air & Water etc.	No	
4	Digital Colony Meter	10	Basic model		
5	Hot Plate	10	Basic model		
6	Auto Pipettes	10	200µl		

STERILIZATION ROOM-SECTION C

S.No	Instrument	Quantity	Specification		
1	Autoclave	10	180 Ltrs		
2	Hot air oven	10	GENERIC		
			Heating Chamber Size (IN Litres)	95	
			Number of compartments (in nos)	1	
			Maximum Hot Case temperature (Degree in C)	250	
			Inside Finish	SS	
			Material of partition/Shelves	SS	
			Temperature Control System	Electronic	
			Type of Door/Shutter	Sliding door	
			Display of Hot Case Temp	Yes	
			Material of Door	Glass	
			CONSTRUCTIONAL		
			Over all Size (mm)	455x455x455	
			Operating Voltage (Volt)	230AC	
			Weight (in Kg)	50	
			Maximum Wattage (KW)	1	

LAB GLASSWARE-SECTION D

S.NO	NAME OF THE ITEM	CAPACITY	QUANTITY	REMARKS
	13ml Test tubes	13ml	30	
	Test tube stands (Plastic)		3	
	Test tube holder		3	
	Distilled water bottles	500ml	3	
	Mortar and pestle	4 inches	1	
	Spatula	6 inches	10	
	Pipette Drive	25 ml (4 Nos)	2	
	Burette	50ml	4	
	Burette stand (Plastic)		4	
	Pipette (Blowing & Non Blowing)	0.2ml	2	
	Pipette (Blowing & Non Blowing)	2ml	2	
	Pipette (Blowing & Non Blowing)	5ml	2	
	Pipette (Blowing & Non Blowing)	10ml	3	
	Pipette stand (Horizontal Plastic)		1	
	Glass Beakers	100ml	4	
	Glass Beakers	250ml	2	
	Glass Beakers	500ml	1	
	Conical Flask	250ml	12	
	Conical Flask	150ml	24	
	Measuring cylinder Plastic	10ml	4	
	Measuring Cylinder Plastic	50ml	1	
	Measuring cylinder Plastic	100ml	2	
	Measuring cylinder Plastic	250ml	2	
	Measuring Cylinder Plastic	500ml	1	
	Measuring Cylinder Plastic	1000ml	1	
	Volumetric Flask	1000ml	1	

	Volumetric Flask	500ml	2	
	Volumetric Flask	100ml	5	
	Volumetric Flask	50ml	5	
	Volumetric Flask	25ml	5	
	BOD bottles		5	
	Reagent Bottles	1liter	2	
	Reagent Bottles	500ml	4	
	Micro tips boxes(1000 nos)	2 to 200µl	1	
	Micro tips boxes(500 nos)	200 to 1000 µl	1	
	Microcentrifuge tubes pack of 500no	(1.5ml)	1	
	Funnel	65mm	2	
	Reagent Bottles with screw cap (C-1519 amber)	100ml	5	
	Reagent Bottles with screw cap (C-1519 amber)	250ml	5	
	Test tube cleaning brushes		3	
	Water cans	5liters	4	
	White tiles		4	
	Plastic trays		4	
	Filters			
	Plastic droppers(Pasteur pipettes, 1ml 500ns)		1	
	Rubber Stoppers		5	
	Wash Bottles	1000ml	2	
	Foreceps			
	Screw capped centrifuge tubes			
	Aluminium Foils		1roll	
	Droppers,8"		2no	

S.NO	NAME OF THE ITEM	CAPACITY	QUANTITY	
1	TCBS Agar (C-M189) (500gms)	500 gm	1	
2	Petridish(90-110)	100*17	25	
3	Clonical Flask	500ml	2	
4	L shaped Glass rods		10	
5	Glass rods		5	
5	Hand gloves (100 nos)	1Boxes	1	
6	Spirit Lamp		2	
7	Tissue paper roll		5	
8	Absorbent Cotton roll		1	
9	Non-Absorbent Cotton roll		1	
10	Glass Slides box		1	
11	Cover slip box		1	
12	Desiccator, plain	150mm	1	

CHEMICALS SECTION-F

S.NO	NAME OF THE ITEM	CAPACITY	QUANTITY	REMARKS
1	EDTA	500grms	1	
2	Sodium Hydroxide pellets	500grms	1	
3	Sulfuric Acid	2.5liter	1	
4	HCL	2.5liter	1	
5	Ammonium solution	500ml	1	
6	Potassium Sulphate	500grms	1	
7	Ammonium Chloride	500grms	1	
8	Erichrome Black T	25grms	1	
9	Ammonium Purpurate (muroxide)	5grms	1	
10	Methyl orange indicator	125ml	4	
11	Phenolphthalein	125ml	4	
	PH meter Buffer Solutions	PH 4	1	
12		PH 7	1	
		PH 9.2	1	
13	Sodium Chloride	500gms	1	
14	Magnesium Chloride	500gms	1	
15	Hydroxylamine	100gms	1	
16	Hydroxylamine Hydrochloride	100gms	1	
17	Ethanol (Ethyl Alcohol)	500ml	1	
18	Phenol	500ml	1	
19	Sodium Nitroprusside	100gms	1	
20	Tri Sodium Citrate	500gms	1	
21	Hypochlorite	500gms	1	
22	Sulphanalamide	25gms	1	
23	NED (Naphthyl Diamine Ethylene Diamine Dihydrochloride)	5gms	1	
24	Copper Sulphate	250gms	1	

25	Hydrazine Sulphate	100gms	1	
26	Acetone	500ml	1	
27	Ammonium Acetate	500gms	1	
28	Glacial Acetic Acid	500ml	1	
29	Phenanthroline	100ml/gms	1	
30	Barium Chloride	100gms	1	
31	Silver Nitrate	25gms	1	
32	Potassium Dichromate	500gms	1	
33	Boric Acid	500gms	1	
34	Starch soluble	500gms	1	
35	L-Stannous Chloride	100gms	1	
36	Ammonium fluoride	500gms	1	
37	Universal Indicator	500ml	1	
38	Propane 2-ol	500ml	1	
39	Sodium Sulphate	500gms	1	
40	Sodium Thiosulphate	500gms	1	
41	Calcium Carbonate	500gms	1	
42	Charcoal Activated	500gms	1	
43	Ammonium Molybdate	500gms	1	
44	Potassium Iodide	250gms	1	
45	Sodium thiosulphate	500gms	1	
46	Ammonium Sulphate	500gms	1	
47	L-Ascorbic Acid	250gms	1	
48	Potassium Dichromate	500gms	1	
49	Iodine resublimed	100gms	1	
50	Diphenylamine	500gms	1	
51	Potassium Nitrate	500gms	1	
52	Ammonium Molybdate	250gms	1	
53	Antimony Potassium Tartrate	500gms	1	
54	Chloroform	500ml	1	
55	Calcium Chloride	500gms	1	

Address of the NaCSA AOC laboratories where the items to be delivered and installed

S.No	Complete Address with Pin code
01	Malkipuram, East Godavari District
02	Narsapuram, West Godavari District
03	Koduru, Krishna District
04	Nagayalanka, Krishna District
05	Machilipatnam, Krishna District
06	Karlapalem, Guntur District
07	Ramayapatnam, Prakasam District
08	Kavali, Nellore District
09	Guduru, Nellore District
10	Indukuripeta, Nellore District

WARRANTY CERTIFICATE

We Warranty that all the machines, equipments and accessories supplied by us under the Purchase Order bearing No. _____ Dated _____, shall be brand new, free from all defects - patent or latent and faults in materials, workmanship and manufacture and shall be of the highest grade and quality and consistent with the established and generally accepted standards for material of the type ordered and shall be in full conformity with the specifications, drawing or samples and shall operate properly. We shall be fully responsible for its efficient performance. This Warranty shall survive irrespective of any payment or acceptance of the goods but shall expire after (except in respect of complaints and all manufacturing defects of which we have been notified prior to such date) three years after the installation and acceptance of equipments by National Centre for Sustainable Aquaculture (NaCSA)

The obligations under the Warranty expressed above shall include all costs relating to labour, spares, maintenance (preventive and unscheduled/breakdown service) and transport charges from site to the manufacturers work place and back and free repair/adjustment or replacement at site or any parts of the equipment which under normal and proper use and maintenance proves defective in design, material or workmanship or fails to conform to the specifications previously given by the National Centre for Sustainable Aquaculture (NaCSA) to us. This Warranty shall bind us, our assigns and successors.

Date :

Signature of Bidder

Name & Designation

Seal

GENERAL INFORMATION

1	Name of firm
2	Head office address
3	GST No
4	PAN No
5	Telephone I Contact
6	Fax I E-mail No
7	Place of incorporation/ I Year of incorporation/ registration Registration

Signature and seal of the Authorized Signatory of the bidder

FINANCIAL CAPABILITIES

Financial Year	Annual Turn Over in Indian Rupees (or equivalent to Indian Rupees) as per Audited Balance Sheet
2016-17	Rs.
2017-18	Rs.
2018-19	Rs.

NOTE: The above data is to be supported by audited balance sheets

1. Attach recent solvency certificate from bankers. The certificate should be not more than one-year-old from the date of submission of bid.

Signature and seal of the Authorized Signatory of the bidder

LITIGATION DETAILS (COURT CASES/ARBITRATION)

Year	Name of the work	Name of the Client with Address	Title of the court Case/ Arbitration	Details of the Court / Arbitrator	Status Pending / Decided	Disputed Amount (Current Value, the Equivalent) in case of Court Case / arbitration	Actual Awarded Amount (Rs.) in decided Court Cases / Arbitration

Signature and seal of Authorized Signatory of bidder

Solvency certificate

This is to certify that to the best of our Knowledge and information M/s having marginally noted address, a customer of our bank are/is respectable and can be treated as good for any engagement up to a limit of Rs..... (Rs.....)

This certificate is issued without any guarantee or responsibility on the bank or any of the officers.

Date of Issue: -

(Signature with Stamp)

For the Bank

Note: -

1. Banker's certificate should be on letter head of the Bank and should not be more than 6 months old from the date of publication of quotation.
2. In case of partnership firm, certificate should include names of all partners as recorded with Bank.

CHECK LIST FOR BIDDER

Quotation Ref No:	NaCSA/HQ/Tech/14/2019-20		
Date:			
Name of the Bidder			
S.No	Particulars	Documents Attached	Page No.
A	EMD INR : Rs.1.0 LAKH DD No: DATE :	Yes / No	
B	TECHNICAL BID with following Annexes	Yes / No	
	1) ANNEX – I : ACCEPTANCE LETTER	Yes / No	
	2) ANNEX – II : AUTHORIZATION LETTER	Yes / No	
	3) ANNEX – III : UNDERTAKING	Yes / No	
	4) ANNEX – IV : MANDATE FORM	Yes / No	
	5) ANNEX – V : SPECIFICATIONS	Yes / No	
	6) ANNEX – VI : ADDRESSES OF AOC LABS	Yes / No	
	7) ANNEX – VII : WARRANTY CERTIFICATE	Yes / No	
	8) ANNEX – VIII : GENERAL INFORMATION	Yes / No	
	9) ANNEX – IX : FINANCIAL CAPABILITIES	Yes / No	
	10) ANNEX – X : LITIGATION DETAILS	Yes / No	
	11) ANNEX – XI : SOLVENCY CERTIFICATE	Yes / No	
	12) ANNEX – XII : CHECK LIST FOR BIDDER	Yes / No	
C	FINANCIAL BID (BOQ)	Yes / No	