

Government of India
Ministry of Agriculture
COASTAL AQUACULTURE AUTHORITY
2nd floor, Shastri Bhavan Annexe
Chennai 600 006

TENDER DOCUMENT

Supply and Installation of Equipment etc for establishment of water quality monitoring laboratory at Coastal Aquaculture Authority

Sl.No	Details	Date and Time
1	Period of issue of Tender Document	04-01-2010 to 25-01-2010
2	Date and time for submission of Tender Document	From 9.00AM to 5.30 P.M in all working days from 04-01-2010 to 25-01-2010
3	Date and time for opening of Technical Bids	At 11.Am on 27-01-2010

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No.1-1/2009-Accts
COASTAL AQUACULTURE AUTHORITY
Government of India
Ministry of Agriculture
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Chennai 600 006

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NOTICE INVITING TENDER

- 1 Sealed tenders are invited from manufacturers/authorised dealers of laboratory equipments of International/National standard in the prescribed tender form under two-bid system for supply, erection, commissioning of Water Quality Monitoring laboratory in the Coastal Aquaculture Authority, Chennai, The tender forms may be obtained from the premises of this office or downloaded from our website www.caa.gov.in
- 2 Selection will be on basis of fulfilment of the eligibility criteria and lowest rates.
- 3 The Sealed tenders with separate Technical and Financial bids duly filled in the prescribed Performa may be addressed to the **Member Secretary, Coastal Aquaculture Authority, 2nd Floor, Shastri Bhavan Annexe, Chennai.600006**, so as to reach him latest by 5.30 P.M on 25th January, 2010 The tender may be sent by post to the above mentioned address or dropped in the Tender Box placed at CAA office by the stipulated date and time.
5. The Technical bids shall be opened on 27-01-2010 at 11A.M Coastal Aquaculture Authority, 2nd Floor, Shastri Bhavan Annexe, Chennai., in the presence of such tenderers or their authorized representatives who may wish to be present.
- 6 The tenderers whose Technical bids are accepted will be informed about the date of the opening financial bid.
7. Bids received after the closing date and time shall not be considered.

MEMBER SECRETARY

TERMS AND CONDITIONS

1. The successful bidder will have to supply, install, test and commission the equipments within 30 days from the date of placing the order at Coastal Aquaculture Authority, Technical Section, 2nd Floor, Radha Mandram, No-52,EVK Sampath Salai, Vepery Chennai,600007
2. The payment will be release only after successful supply & Installation of Equipment.
3. No Advance Payment.
4. After completion of the contractual obligations, including supply / installation / integration and commissioning of the items, the successful bidder shall raise the bills, in triplicate.
5. Details / specifications of items required are given in the tender document
6. Colour picture catalogues of the item should be attached with the Technical Bid.
7. The tenderers are required to submit two separate bids - Technical and Financial, as per proforma given in this tender document, in two separately sealed envelopes super scribed "Technical Bid and "Financial Bid" respectively. Both sealed envelopes should be put in a third sealed envelope super scribed "Tender for supply of laboratory equipments to CAA
8. The declaration in the prescribed proforma as given in this tender document should be submitted along with the Technical Bid.
9. The Technical bid should be accompanied by an Earnest Money Deposit (EMD) of Rs.25,000/-(Rs. Twenty Five thousand only) in the form of Demand Draft/Pay order from a commercial bank drawn in favour of "COASTAL AQUALCULTURE AUTHORITY, payable at Chennai. The EMD should be valid for a period of 6 months from the date of issue of the bid invitation. In the absence of EMD, the tender shall be rejected summarily. The earnest money shall be refunded to the unsuccessful bidders on or before the 30th day after the award of contract.
10. The EMD of Rs.25,000/- (Rs. Twenty five thousand only) of the successful tenderer shall be Retained as Performance Security Deposit. The successful tenderer will deposit Balance Performance Security 10% of value of the contract in the form of a Demand draft from a commercial bank in favour of "COASTAL AQUALCULTURE AUTHORITY", payable at Chennai valid for 60 days beyond the completion of all contractual obligation of the supplier including warranty period.
11. All entries in the tender forms should be legible and filled clearly. Any cutting in the Bid Application must be signed by the authorized signatory.
12. Tender incomplete in any form are liable to be rejected outright
13. The declaration in the prescribed proforma given in the tender document should be submitted along with the technical bid and should be put in the same envelope containing the technical bid.
14. Conditional or incomplete bids will be rejected outright.
15. The closing date and time for receipt of tenders will be 25-01-2010 at 5.30 P.M.Bids received after the specified date and time for receipt of bids would not be entertained.
16. Any enquiry after submission of bids will not be entertained.
17. No bidder will be allowed to withdraw after submission of the bids; otherwise the EMD submitted by the bidding firm would stand forfeited.
18. The Technical bid shall be opened at 27-01-2010 at 11 A.M in the presence of the authorized representatives of the Firms, who wish to be present at that time. The bidders whose Technical Bids are accepted will be informed about the date of the opening financial bid
19. In case the successful bidder declines the offer of contract, for whatsoever reason(s), the EMD submitted by the successful bidder would stand forfeited. In case the successful bidder fails to render the required services, this office will have full authority to cancel the order and forfeit the performance security. In case of breach of any terms and conditions attached to this contract, the Performance Security Deposit of the agency will be liable to be forfeited by CAA besides annulment of the contract.
20. The Member Secretary Reserves right to withdraw/relax any of the terms and condition mentioned above so as to overcome any problem that may arise at a later stage.
21. The items should be under warranty for a minimum period of one year from the date of supply of the items.
22. In case of any manufacturing defect or damage during transit/Installation, the item / component should be replaced with a new set, without any extra charges for the same.

23. The bidder should indicate the time required for delivery / installation / integration of the items.
24. In case the successful bidder fails to supply /Install the item(s), within the time as specified in the bid form, this office will have full authority to cancel the order and forfeit the performance surety amount.
25. In case of breach of any terms and conditions attached to this contract, the Performance Surety Amount of the agency will be liable to be forfeited by this office besides annulment of the contract.
26. PAN Number and or other tax registration numbers should be printed on the bills raised by the successful bidder.
27. The competent authority Coastal Aquaculture Authority reserves right to withdraw/relax any of the terms and condition mentioned above so as to overcome any problem that may arise at a later stage.
28. The Member Secretary, reserves full authority to cancel, rejects, any / all offers, without giving any reason. The decision of Member Secretary shall be final in this regard.

Eligibility Criteria

The bidder will be considered for selection, only if the following conditions are fulfilled:

- (a) The bidder should be registered with the appropriate registration authority (proof to be enclosed).
- (b) The bidder should convey his acceptance to all the terms and conditions laid down by CAA.
- (c) The declaration in the prescribed proforma given in this tender document should be duly filled in, signed and submitted along with the technical bid. The above declaration, along with a copy of the terms and conditions, duly signed and sealed in each page, by the authorized signatory of the agency in token of acceptance of the terms and conditions should be enclosed with Technical bid.
- (d) The Technical bid should be accompanied by an Earnest Money Deposit (EMD) of Rs.25,000/- (Rupees Twenty Five thousand only) in the form of Demand draft in favour of “COASTAL AQUACULTURE AUTHORITY, Chennai .It should remain valid for a period of 6 months from the date of issue of the bid invitation.
- (e) Colour picture catalogues/brouchers etc of the item should be attached with the Technical Bid
- (f) The bids should be submitted in the two bid format, viz., separate bids – Technical and Financial, as per proforma given in this tender document and should put in a third sealed envelope super scribed “Tender for supply of laboratory equipments to CAA”

DECLARATION FORM

1. I, _____ Son / Daughter of
Shri _____ Proprietor / Partner / Director /
Authorized Signatory of M/s _____ competent to
sign this declaration and execute this tender document;
2. I have carefully read and understood all the terms and conditions of the tender and are fully acceptable to me;
3. The information / documents furnished along with the above application are true and authentic to the best of my knowledge and belief. I / we, am / are well aware of the fact that furnishing of any false information / fabricated document would lead to rejection of my tender at any stage besides liabilities towards prosecution under appropriate law.

Date:
Place:

Signature of authorized person
Full Name:
Company's Seal:

- N.B.:** 1. The above declaration, along with a copy of the terms and conditions, duly signed and sealed in each page, by the authorized signatory of the agency in token of acceptance of the terms and conditions should be enclosed with Technical bid.
2. The Declaration can be made on Company letterhead using the same format.

TECHNICAL BID FORM (A)

1.	Name of Bidding Firm			
2.	Full Address			
(a)	Telephone & Fax No.			
3.	Details of Earnest Money Deposit : Rs.25,000/- (Rupees Twenty Five thousand only)			
(a)	D.D. / P.O. No. & Date			
(b)	Drawn on Bank			
(c)	Valid upto			
4.	Give details of works awarded to the bidder by Government Departments / Ministries during the last three years, as on 31.12.2009, in the following format: Please attach copies of the works contracts.			
	Details of Departments / Ministries along with name, designation, address, telephone and FAX numbers of the concerned Officer.	Items supplied	Date of Supply	Value of Contract (Rs.)
A				
B				
C				
6.	Time required for supply / installation / integration, etc. of the items			
7.	Additional information, if any			

(If the space provided in the above sheet is insufficient, the Technical Bid can be prepared on any sheet, using the same format).

Date:
Place:

Signature of Owner/Managing Partner/Director
Name:
Company's Seal :

FINANCIAL BID FORM (B)

Sl. No.	Particulars	Size / specification	Qty.	Unit rate (Rs.)	Total Rates (Rs.)
1.	NITROGEN ANALYSER	Comprising both distillation digest ant unit			
2.	UV/Vis SPECTROPHOTOMETER	Wave length range 190-1100 nm			
3.	SEMI MICRO BALANCE	40/100/220 g			
4.	<i>VAT / Service tax, etc. (please indicate details of applicable taxes)</i>				
5.	<i>Transportation&Delivery Charges if any</i>				
6.	Total:				

(If the space provided in the above sheet is sufficient, the Financial Bid can be prepared on any sheet, using the same format.)

Signatures _____
Name in bold capitals _____
Name of the Bidding Firm _____
Company's Seal: _____
Date: _____

Technical specifications for Lab instruments

1. NITROGEN ANALYSER

A nitrogen analyzer comprising of both distillation and digestion unit with following specification is required

Distillation Unit:

- Distillation procedure including automatic programmable alkali addition and steam distillation
- Bellow pumps for accurate dispensing of reagents
- Distillate temperature control to secure accurate results
- Programmable for volume of reagent to be added & distillation using digital read-out
- Alkali dispensing via built in dispenser
- The Steam Generator must be made of glass and is visible from outside, so that the operator will know when to clean the salt residues
- Built in automatic steam generator for steam distillation
- Alkali resistant Poly Propylene Plastic Splash head for long life time
- Steam Addition for Equilibration (SafE) feature for a safe distilling of tubes with acid/salt cake contents

Digestion Unit:

- 8 Place digestion system with built-in Electronic Temperature Control Ambient – 440° C & Digital display
- Digestion tube capacity 250 ml.
- Exhaust system for handling tubes along with water aspirator, tube rack, heat shields & Retainer plate
- Provision for measurement of actual temperature using external thermometer
- Less consumption of reagents, approximately 50%
- Power consumption – 1100 W
- Audible “ready” or “cycle over” alerts that advise the user when the digestion application is completed
- Audible “alarm” alerts that advise the user when errors/interruptions occur within the running application program
- Acid neutralizer scrubber unit

2. UV/Vis SPECTROPHOTOMETER

An ideal double beam UV/Vis spectrophotometer with following specifications for most routine UV/Vis applications and regulatory tests giving fast and reliable results time after time is required

Technical description:

Construction	Solid CNC-machined aluminum chassis for thermal and vibration stability	
Optics	Double-beam, sealed, quartz-coated mirrors; lens-free system to reduce chromatic aberrations	
Monochromator	Holographic, concave grating with 1053 lines per mm	
Source	Deuterium and Tungsten prealigned sources with automatic switch-over	
Wavelength range		190-1100 nm
Bandwidth		1 nm fixed
Stray light	At 220 nm (NaI)	< 0.01%T
	At 340 nm (NaNO ₂)	< 0.01%T
	At 370 nm (NaNO ₂)	< 0.01%T
	At 200 nm (KCl)	< 1%T
Wavelength accuracy	At D ₂ peak (656.1 nm)	± 0.1 nm
Wavelength reproducibility	10 measurements at 656.1 nm	± 0.05 nm
Photometric accuracy	At 1 A using NIST 930D filter	± 0.001 A
	At 2 A using NIST 1930D filter	± 0.005 A
	Potassium dichromate	± 0.010 A
Photometric reproducibility	Maximum deviation of 10 measurements at 1 A	< 0.001 A
Photometric stability	Stability at 1 A, at 500 nm with 2-sec. response time	< 0.00015 A/hour
Photometric noise at 500 nm (RMS)	Noise 500 nm/0 A RMS Slit 1 nm	< 0.00005 A
Baseline flatness	Slit 1 nm	± 0.001 A

3. SEMI MICRO BALANCE

Capacity: 40/100/220 g
 Readability: 0.01/0.01/0.1 mg
 Repeatability: ± 0.02/0.05/0.1 mg
 Linearity: ±0.03/0.1 mg/0.2 mg
 Pan size: 80 mm Triangular shape
 Response Time: ≤12 / 3 sec

Features:

- 'iso CAL' Function
- Two(large) Tare keys are for left and right handed person
- Balance equipped with electronic filters for adapting the balance to ambient conditions
- Monolithic Weighing Technology
- RS 232C interface
- Balance should perform the following applications
 - Net total formulation
 - Percent weighing
 - Dynamic weighing
 - Piece counting

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