



**KARNATAKA STATE SERICULTURE RESEARCH AND
DEVELOPMENT INSTITUTE**

**INVITING TENDER FOR DEVELOPMENT OF SOFTWARE FOR
COCOON TESTING AND GRADING**

Website:

Tender reference: No.KSSRDI/STD/CT/01/2018-19

- Tender publishing date : 01.10.2018
- Last date and time for receipt of tender : 22.10.2018 : 4.00PM
- Time and Date of opening of tender : 22.10.2018 : 4.30PM
- Place of opening of tender : KSSRDI,
Thalaghattapura
Bangalore 560001

Address for communication

Director,
Karnataka State Sericulture Research and Development Institute, Thalaghattapura,
Bangalore

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**KARNATAKA STATE SERICULTURE RESEACH AND DEVELOPMENT INSTITUTE
TALGHATTAPURA, BANAGALORE**

No:NoNo.KSSRDI/STD/CT/01/2018-19

Date: 01.10.2018

TENDER NOTIFICATION

Sub: Inviting tender for software development for cocoon testing and grading –reg

The Director of Karnataka State Sericulture Research and Development Institute, Thalaghattapura, Bangalore hereby invites tenders in two cover system from the software firm/consulting firms/Institutes to develop software for cocoon testing and grading. The approximate amount put to tender is as follows.

Sl.No.	Description	EMD
1	<ul style="list-style-type: none">• Development of cocoon testing and grading software.• Installation of software at 10 Govt. Cocoon markets.• Integration of software with E-auction software which is already functioning in the cocoon markets.• Any other support softwares required for the purpose.	Rs. 11,250.00

1.0 Schedule of Events

Tender publishing date	01 .10.2018
Last date and time for receipt of tender	22.10.2018 : 4.00PM
Time and Date of opening of tender	22.10.2018 : 4.30PM
Place of opening of tender	KSSRDI, Thalaghattapura Bangalore 560001

Download of tender documents: Tender documents may be downloaded from the website
<http://www.karnataka.gov.in/kssrdi/>

1.1 Opening of Tenders

a. Opening of Tenders - Technical Bid

Date : 22.10.2018 : 4.30PM

(NB: Subsequent working day in case the date happens to be a holiday for any unforeseen events.)

Venue: KSSRDI, Thalaghattapura, Bangalore 560001

b. Opening of Tenders - Financial Bid

Will be notified to the bidders whose technical bids are found responsive through their

E.Mail and will also through SMS as (and if) provided in the tender.

1.2 Validity of the bid.

Bid must remain valid for 90 days after the last date for submission of tenders which may be extendable by mutual agreement up to a further period of 30 days. There after the tender will be treated as closed automatically.

2.0 GENERAL TERMS AND CONDITIONS

2.1 The Tender shall be submitted only if the Tenderer is agreeable to all the Terms and Conditions of this Tender notification, which includes the Description and terms of reference mentioned therein.

2.2 The terms and conditions specified in this tender by the tendering authority shall be binding and no other terms and conditions if any specified by the tenderer shall be binding on the tendering authority.

3.0 Procedure for submission of tender

The tender shall be submitted in two parts namely Technical Bid and Financial Bid in sealed covers to KSSRDI , Thalaghattapura, Bangalore 560 062

A. Technical Bid

The Technical Bid shall contain the following Documents.

1. The Technical bid shall contain the details as indicated in Annexure-I
2. Earnest Money Deposit and Tender Processing Fee shall be paid through Demand draft drawn in favour of Director, KSSRDI.
3. Tenderer shall include certified (by gazette officer) copy of PAN card.
4. Tenderer shall include certified copy of Service Tax Registration Certificate.
5. Tenderer shall include details of the firm, previous experience in undertaking similar type of work, past experience certificate in conducting such studies.
6. Tenderer shall upload; Curriculum Vitae (CV) of Top three personnel and the staff who would be involved in the development of software.
7. "Undertaking by the tenderer on Rs. 100.00 (Rupees One Hundred only) stamp paper duly notarized stating that the tenderer was not disqualified by any Government Department / Agencies in the past under any Act and Rules shall be uploaded.
8. An Undertaking by the Tenderer for having accepted the Terms & Conditions of the Tender Document in to be uploaded.(Annexure-I.)

The Tenderer shall produce all the Original Documents for Verification whenever necessary.

B. Financial Bid

1. The Financial Bid shall contain the details as indicated in Annexure –II
The Tenderer must quote the rates in INR against each item of work as listed.
2. Rate must be quoted for all the components in annexure II and not quoting for any one component will be treated as non-responsive and will be rejected, out right.
3. The Bidder is strictly prohibited from changing any specification given in the Annexure – I(a).
Any such deviation /modification / insert / deletion will render the bid invalid and treated as non-responsive.
4. The Tenderer must sign the document and the name of the person should be indicated in Block Letters (Capital) with Date and the Official Seal of the Firm or the Company.

5.0 Evaluation Criteria

5.1 Eligibility

The firms who have produced registration certificate, audited balance sheet and profit and loss account and other relevant documents for the past three years and who have been performing well will only be eligible for technical bid.

5.2 Evaluation

The Technical bid will be evaluated for maximum of 100 marks and the evaluation will be as per the following.

Sl. No.	Description	Marks
01	Previous experience in developing software involving interfacing of equipment to computer and development of software involving data base recording and computations. in the field of cocoon marketing or cocoon testing. The software should have been installed and used successfully at minimum of two places.	45
02	Previous experience in hardware and network integration and data processing, particularly with reference to silkworm cocoon marketing.	20
02	Salient features of the software provided by the firm including methodology	15
03	Qualification and experience of the staff relevant to the study	10
05	Previous experience of the firm in cocoon marketing/cocoon testing	10

Minimum marks to qualify in Technical bid is 80. The bids scoring less than 80 will be rejected.

6.0 GENERAL CONDITIONS

- 1. Submission of Tender Document:** The Technical and Financial Bid and other Relevant Documents should be submitted on or before the closing date.
- Every correction, if any, in the tender document shall be attested by the tenderer, failing which the tender will be rejected
- The tender document must be signed only by the proprietor, if it is a proprietary concern. If it is a partnership firm, a person duly authorized on behalf of the Partners should sign the tender. Attested copy of the partnership deed and authorization letter for signing of the tender documents, with necessary seal and signature should be submitted (This becomes necessary even to consider the Technical Bid).
- In addition, it may be noted that incomplete Technical or Financial Bid in any form will be rejected outright.
- In case there is any discrepancy between the rate quoted in figures and words, the lower of the two shall govern.
- Service tax will be deducted at source
- The software developed will be the sole property of KSSRDI.

The decision of The Director, Karnataka State Sericulture Research and Development Institute, Thalaghattapura, Bangalore who is also the tender accepting authority in this instance, in all matters covering the terms & conditions etc., shall be final.

5.0 Earnest money deposit:

- a. The Earnest Money Deposit for the purpose of this tender shall be as mentioned in Column 4 of Table in Page No. 2.
- b. The Earnest Money Deposit of unsuccessful tenderers will be returned within 30 (Thirty) days from the date of finalization of tender.
- c. The Earnest Money Deposit of the successful tenderer will be discharged when the tenderer has signed the agreement and furnished the required security deposit.

6.0 Validity of the tender rates:

- a) The offers quoted should be valid for minimum period of one year from the date of opening the tenders. The Department will not entertain any price revision
- b) If any information provided by the tenderer in both Technical and Financial bids are found to be factually false or misleading such firms will be summarily rejected any time during the validity of the tender and liable for penalties as applicable.
- c) The tenders are liable for rejection due to the following reasons
 1. Non-submission of EMD
 2. Incomplete / non-submission of documents sought for
 3. Incomplete Technical and Financial Bid.
 4. If any company is black listed by any state or agency, such tenderers are liable for rejection at any time during the validity of the tender.

7.0 Opening and Scrutiny of Tenders

- a. The documents as listed in Clause No. 3.0 A “Technical Bid” shall be complied within full. Any document not provided or incompatible or insufficient in details or not attested where indicated shall render the bid non-responsive and will be summarily rejected.
- b. The opening of Technical Bids will be done in the presence of the tenderers or their authorized representatives by the Tender scrutinizing committee and will conduct the scrutiny.
- c. The Financial bids of those tenderers whose technical bids are qualified will be opened in the presence of suppliers by the Tender scrutinizing committee. The tender scrutinizing committee will submit the same to tender accepting authority.

8.0 Award of Tenders

- a. The Tendering Authority will award the Contract to the Tenderer whose Tender has been determined to be substantially responsive to the Tender Documents and who has offered the Lowest Evaluated Tender price, provided that such Tenderer has been determined to be (a) Eligible in accordance with the Provisions of Clause 3 and (b) qualified in accordance with the Provisions of Clause 3.

9.0 Security Deposit and Contract Agreement

1. The Successful Tenderer shall be required to pay Security Deposit of 5% (five per cent) of tender value in the form of irrevocable Bank Guarantee on any Nationalized Bank drawn in favour of the Director, KSSRDI, Thalaghattapura, Bangalore.
2. The specified “**Security Deposit**” should be submitted within **seven days** from the date of receipt of the intimation of the Acceptance of Offer.
3. The refund of the Security Deposit shall be subject to satisfactory performance of the contract as per the terms and conditions of the contract. The Security Deposit not claimed within three years

from the Expiry Date of Validity of the Security Deposit shall be forfeited to Government without notice.

10.0 Duration of the development work

The successful tenderer has to complete the development within two months of receipt of the order.

11.0 Place of office

The Tenderer should have main office or at least branch office in district place in Karnataka State.

12.0 Penalties for non-compliances, non-performance or violations:

- i. In case of delay in completion of the feasibility study, the tenderer will be liable to pay Penalty of 1% of tender value per week. The total Amount of Penalty shall not exceed 10% of the tender value. The Tendering Authority may deduct Penalty from Payments due to the firm..
- ii. Apart from the above the Tender Accepting Authority reserves the right to impose the following Penalties on the firm.
 - a. Forfeiture of Bank Guarantee furnished by the firm
 - b. Black Listing of the firm.
- iii. If any Information provided by the tenderer is found to be factually false or misleading such tender will summarily be rejected at any time during the validity period of the tender and in such case EMD of such Tenderer will be forfeited.

13.0 Legal Terms and Compliances:

- a. In respect of any Dispute arising out of implementation of this tender, the decision of the Tender Accepting Authority shall be final and binding.
- b. For any legal remedies, the courts at Bangalore shall only have the jurisdiction.

14.0. Rights Reserved.

The Tender Accepting Authority and/or Competent Authority further to him, reserves the right to accept or reject any or all tenders even after opening of technical bid or commercial bid without assigning any reasons whatsoever and does not bind itself to accept the lowest tender.

15.0. The Conditional Tender will be rejected.

16.0 Corrigendum / modifications / Corrections, if any, will be published in the Website only.

17.0 Termination

18.0 The Tendering Authority or the tendering firm may terminate the Contract if the other Party causes a Fundamental Breach of the Contract.

19.0 Fundamental Breaches of Contract include, but shall not be limited to the following.

If the tenderer, in the judgment of the Tendering Authority has engaged in Corrupt or Fraudulent Practices in competing for or in Executing the Contract.

For the purpose of this paragraph “**Corrupt Practice**” means the Offering, Giving, Receiving or Soliciting of anything of Value to influence the Action of a Public Official in the Procurement Process. “**Fraudulent Practice**” means a Misrepresentation of Facts in order to influence a Procurement Process and includes Collusive Practice among Tenderers (prior to or after Tender Submission) designed to establish Tender Prices at Artificial Non Competitive Levels and to deprive the Borrower of the Benefits of Free and Open Competition.

20.0 Notwithstanding the above, the Tendering Authority may terminate the Contract for Convenience.

21.0 If the Contract is terminated, the firm shall stop work immediately.

22.0 Payment upon Termination

23.0 If the work is terminated because of a Fundamental Breach of Contract by the firm, the Tendering Authority shall prepare Bill for the Value of the Work done received upto the Date of the Bill, Less other Recoveries Due in Terms of the Contract, Less Taxes due to be deducted at Source as per Applicable Law and Less the Percentage to apply to the Work not completed. If the Total Amount due to the Tendering Authority exceeds any Payment due to the firm, the Difference shall be a Debt payable to the Tendering Authority.

DIRECTOR OF KSSRDI

ANEXXURE -I

TECHNICAL BID

1. TENDERERS PROFILE:

1	Component details for which technical bid submitted	Development of software for cocoon testing and grading
2	Tender reference	Tender No.KSSRDI/STD/CT/01/2018-19
3	Name & address of the Tenderer with Mobile & land line phone Number	
4	Tender document purchase details	GR No. & Date:
5	Details of EMD paid	Date: Bank :..... Amount.....
6	Status of the firm/Ownership i) Sole proprietorship firm ii) Partnership firm iii) Private limited company iv) Public limited company	a) (Registration certificate) b) (Name & address of the proprietor) c) partnership agreement letter of consent and authorized by other partner to bid for tender d) (Certificate of incorporation & authorization from CEO, if not represented by CEO)
7.	Sales tax Registration	a). State sales tax Reg. No. b). Central Sales Tax Reg. No. c). Sales Tax return statement for the previous year (enclose photocopies)
9.	Customer satisfactory certificate(if any)	
10.	PAN No.	
11	Brochures with previous work details should be enclosed.	Yes/No
12	Salient features of the work	This has to include methodology (Brief description has to be provided)
13	CVs of Top three personnel and the staff conducting the study	
14	Man power strength	Technical Management Others
12	Audited Balance Sheet and profit and loss Account for last three years attached.	

*Details of TOR are provided in annexure I(a)

(Documentary evidences to be enclosed and submitted physically to the office of the Director, KSSRDI, Thalghattapura, Bangalore -560 062 on the day of tender opening)

Seal and Signature of the Tenderer

DECLARATION BY THE TENDERER:-

1. I have read, understood and agreed the tender Terms and conditions relevant to Tender Notification No:date.....and I have submitted the technical bid in accordance with the Terms and Conditions of the above notification
2. The information furnished in the Technical bid are true and factual and I clearly understand that our tenders are liable for rejection, if any information furnished is found to be not true and not factual at any point of time.

Place:

Seal & Signature

Date:

of the tender

We are agreeable to the above **TERMS & CONDITIONS**

DECLARATION BY THE TENDERER:-

1. I have read, understood and agreed the tender terms and conditions as Tender Notification No:date..... and I have submitted the Commercial bid in accordance with the Terms and Conditions of the above notification
2. The information furnished in the Financial bid are true and factual and I clearly understand that our tenders are liable for rejection, if any information furnished is found to be not true and not factual at any point of time.

Place:

Seal & Signature

Date:

of the tenderer

CHECKLIST OF ENCLOSURES TO THE TECHNICAL BID

(Write whether enclosed or not enclosed clearly)

Sl. No	Checklist	Remarks
I	Name and address of the firm	
II	Copy of the certificate of Registration of the firm	
III	The following documents are required to be submitted along with Technical Bid (Cover A) by the tenderer 1. Annexure - I(a) 2. Declaration by the tenders -terms & conditions	
V	Sales tax Registration Certificate	
VI	Brochures with previous work details.	
VII	Salient features of the study	
VIII	Man Power Strength and CVs of the personnel	
VIII.	Financial Bid Annexure –II (Cover B) by the tenderer	

Seal & Signature of Tenderer

Annexure 1(a)

Introduction

The cocoon lots brought for marketing at Government cocoon markets are transacted by open auction and e-auction. The quality assessment of cocoon is being carried out by reelers themselves by subjective assessment based on their experience. The quality of cocoons depends on various factors such as rearing practices, season, region and environmental conditions etc.

In sericulturally advanced countries like Japan and China, cocoon price is determined based on the quality tests conducted at organized cocoon testing centers. Samples are drawn from the cocoon lots brought by the farmer, the cocoons are tested for important parameters such as defective cocoon% and shell weight. The farmer is paid 80% of the amount by the organized filatures who buy the cocoons and the balance 20% is paid after test reeling at designated centers about the reeling performance and filament characteristics. Cocoon price is thereby fixed based on the cocoon quality grades

The cocoon quality certification will help both farmers and reelers to offer fair and justified rates for cocoons. In this backdrop it has been planned by DOS, Govt. of Karnataka to establish cocoon testing centers at Govt. cocoon markets in the State to facilitate farmers to know the quality of the produce and reelers to assess the price for bidding cocoon price based on its quality. The project is aimed at automation of testing processes and operations to improve the testing efficiency and reduction in operation cost.

The number of cocoon lots arrival at GCMs range from about 300 to 1000 every day depending upon the season and location of the market. The quantity of each lot also vary from 25 kgs to above 500 kgs per lot.

Further, moisture content in the shell vary depending on the season of rearing, day of harvest and environment conditions. Reeler who subjectively assess this parameter, offer low price for such lots. This necessitates the testing of moisture content in cocoon.

The DOS, Govt. of Karnataka had entrusted KSSRDI to develop a strategy to test the cocoon for its quality before the auction process so that the reeler could bid right price. Accordingly KSSRDI has developed the cocoon testing and grading protocol. The cocoon testing and grading involves use of digital balances which are interfaced to the computer. The project will involve computerization of cocoon testing and grading in the cocoon testing laboratory by adopting the procedure listed in the protocol developed by KSSRDI. Finally the result of each lot has to be communicated to the e-auction software for displaying in the cocoon market. Initially the software

has to be installed at Kanakapura GCM and on successful implementation the software has to be installed in the other nine cocoon markets and maintained for one year.

The procedure for cocoon testing is as follows

1. When the farmer brings the cocoons to the market, the software at cocoon testing centre has to generate barcode and one kg sample is drawn from the lot and put into the sample collection bag along with the barcode.
2. The sample collection bag is brought to the cocoon testing laboratory(CTL). Immediately after receiving the sample it is subjected to preliminary tests.
3. The sample is first tested for DC%(Defective Cocoon%). If the sample is observed to be having more than or equal to 5% then the corresponding lot is considered as NG(Non Gradable). If it is classified as non gradable, it is immediately entered as NG in the computer and the sample is returned to the farmer without further testing. Each time data is fed to the computer it has to be preceded by barcode entry.
4. The sample which has less than 5% DC% is considered for further testing. The number of cocoons per kg is counted using counting template. If the no. of cocoons exceeds 600 the lot is regarded as NG and the data is entered in the computer and the sample is returned to the farmer without further testing.
5. 25 cocoons from the sample are randomly selected and checked for non pupated cocoons. If more than 2 cocoons are non pupated, the lot is regarded as NG. If it is NG the data is entered in computer and the sample is returned to the farmer.
6. If the sample passes all the three preliminary tests, it is considered for further tests. 25 cocoons selected in Sl. No. 5 constitute sample for further testing. These cocoons are put in the small bag along with barcode and transferred to CSR% testing section and rest of the cocoons are put in the sample bag and returned to the farmer.
7. In the CSR testing section, the cocoons are cut and 20 good cocoons are considered for test. The cocoon shells along with pupa are weighed on the balance and weight is transferred to the computer. The cocoon shells are transferred to Cocoon shell drying section. In this section cocoon shell weight after drying is obtained and transferred to the computer.
8. In the computer the CSR% is calculated by adding 11% of the dry shell weight to the dry shell weight. The CSR% (Based on conditioned weight) and estimated renditta the cocoons are used for grading the cocoons as A, B and C.
9. The grading data is linked to the software used in e-auction for displaying on the monitor. In addition grade tag is also used in the bin to indicate the grade in the bin.

ANNEXURE –II

FINANCIAL BID

Sl.No.	Description	Price of software	Taxes	Total (price of component + tax)
1	Development of software for cocoon testing and grading			

Note: Price must be in INR and Quoted both in figures and words

Seal & Signature of the Tenderer