केन्द्रीय रेशम उत्पादन अनुसंधान एवं प्रशिक्षण संस्थान
Central Sericultural Research & Training Institute

[केन्द्रीय रेशम बोर्ड -
वस्त्र मंत्रालय - भारत सरकार]
मानंदवाडी रोड, श्रीरामपुरा,
मैसूर-570008

[Central Silk Board -
Min. of Textiles – Govt. of India]
Manandavadi Road,
Mysoru-570008

No: CSB/CSRTI-MYS/SEEM/Tech-36(DB)/2025-26/ 128   Date: 06 .02.2026

To

As per list

Madam/Sir,

Sub: Inviting sealed quotations for a front end software development and technical architecture of the dashboard for SEEM Division, CSB-CSRTI Mysuru – Reg.

- - - - - - -

Sealed Quotations are invited from the reputed software development firms for the development and technical architecture of the dashboard for SEEM Division, CSB-CSRTI Mysuru. The firms are to submit their lowest rate as per requirements given below:

Sl. No.	Particulars	Remarks
1.	**_Key Features & Requirements:_** Introgression of Farm activities of nested units situated across regions Extension programs tracking across regions and beneficiaries Integration of Cluster Promotion Programmes ECP/FST/SRC programme monitoring Farmer engagement metrics and feedback systems Stakeholder management system Economic impact assessment tools with trend analysis Market intelligence integration for silk industry Resource optimization recommendations using AI algorithms **[For details please go through Scope of work attached]**	
2.	State the technical Specifications	
3.	Time frame for completion & Execution	
4.	Deliverables	
5.	Warranty and maintenance/service support will be one year from the date of acceptance of the software	
6,	The software should be web based; run in desktop computer, laptops, tabs and mobile phones and should work on google chrome, firefox and internet explorer	

You are requested to furnish your quotation addressed to the Director, CSB-Central Sericultural Research & Training Institute, Mysuru, Central Silk Board, Govt. of India, Srirampura, Manandavadi Road, Mysore 570008.

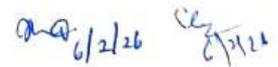| #	TERMS AND CONDITION
1	The sealed quotations are to be addressed to the Director, CSB-CSRTI, Mysuru and on the cover super scribed that "QUOTATION FOR DASH BOARD FOR CSB-CSRTI-SEEM" with last date for submission of quotation and date of opening of quotation.
2	Last date for receiving of quotations is 20.02.2026 by 2.30 pm.
3	The quotations will be opened on 20.02.2026 by 3.30 pm.

#		TERMS AND CONDITION
4	EMD	NA (Not applicable)/will not carry any interest.
5	EXEMPTION FROM EMD	NA (Not applicable)
6	VALIDITY	The rate quoted should be valid for a period of 90 days from the date of placing the order
7	DELIVERY SCHEDULE	F.O.R. CSRTI, MYSURU
8	WEB SPACE CHARGE & DOMAIN CHARGES	Indicate for two years
9	ANNUAL RECURRING CHARGES FOR 1. AMC for domain name & host space 2. Maintenance & updating	Indicate separately
10	PAYMENT SCHEDULE	Payment will be effected only after satisfactory supply and functioning of the dashboard
11	TAXES/OTHER STATUTORY PAYMENTS, IF ANY	Should be quoted separately and in percentage wherever applicable
12	The software supplied shall be in conformity with specifications.	
13	The undersigned reserves the right to accept or reject any quotations without assigning any reason at any point of time.	

Rate Quotation Format

Sl. No.	Particulars	Amount (Rs.)
1	Software development charges and technical architecture of the dashboard for SEEM Division,	
2	Web space charge & domain charges for 02 years [Applicable from the date of acceptance of work]	
3	Annual recurring charges* for 1. AMC for domain name & host space 2. Maintenance & updation and addition of web page [*Applicable after 02 years]	
4	Taxes/other statutory payments, if any	
	Grand Total	

Yours faithfully,

DIRECTOR

दूरभाष/Telephone: 0821-2362440   निदेशक/Director: 0821-2362757   वेबसाईट/Web: www.csrtimys.res.in
ई-मेल/E-mail: csrtimys.csb@nic.in
csrtimys@gmail.com

csrtimys
Central-Silk-Board

X   csrtimys
csbmot

csrtimysore

1. Objective of the Software

The proposed software system aims to enable efficient planning, execution, monitoring, and reporting of Extension and Research-linked activities of the Division by integrating all stakeholder units, namely the Director's Office, SEEM Division, RSRS, and REC/REC-SUs**,** on a single digital platform. The system shall improve work efficiency, transparency, accountability, real-time reporting, and decision-making**,** while reducing manual paperwork and duplication of data.

2. Organizational Hierarchy & User Roles

2.1 User Levels

The software shall follow a hierarchical role-based access control (RBAC) system:

a) Director Level

- Overall administrative access
- View and monitor activities of all divisions, RSRSs, and RECs
- Access consolidated dashboards and summary reports
- Export data for review and policy decisions

b) SEEM Division (Admin Level)

- Creation, modification, activation, and deactivation of user IDs and passwords
- Mapping of units to controlling units
- Define activity templates, formats, and reporting timelines
- Access to all units and activities
- Approve / validate reports submitted by units

c) Controlling Units (RSRS / REC Head Level)

- Access to own unit and subordinate units
- Approve, verify, and forward activity reports
- Monitor performance of subordinate units
- Generate unit-wise and programme-wise reports

d) Execution by Unit Head (Scientist)

- Access restricted to assigned area of operation and targeted activities
- Entry of activity plans, execution details, and outputs
- Upload of photographs, documents, attendance, GPS data (optional)
- View their own historical performance and reports

2.2. User Authentication & Security

- Each unit/user shall log in with a **unique user ID and password**

- Credentials shall be created and managed centrally by **SEEM Division**

- Password policy: minimum strength, expiry, and reset option

- Role-based access ensuring users see only authorized data

- Audit trail for logins, data entry, modification, and approvals

2.3. Area of Operation & Activity Mapping

- Each unit shall be mapped to:

  o Geographical jurisdiction (district/block/village)

  o Target groups (farmers, rearers, public)

  o Approved activity components

- System should prevent entry of activities outside the assigned area or mandate

3. Activity Components (15 Modules)

Each activity shall function as a separate module with standardized data fields, outputs, and reporting formats.

3.1. Silkworm Rearing (Farm-based)

- Location, crop details, dfls brushed, rearing system

- Advisory provided and outcome

- Farmer details and yield indicators

3.2. On-Station Trials (OST)

- Objective, technology tested, season

- Experimental design summary

- Observations and outcome

3.3. On-Farm Trials (OFT)

- Farmer participatory trials

- Technology demonstration details

- Feedback and adoption indicators

3.4. Field Visits

- Purpose, location, issues identified

- Recommendations given

- Follow-up action required

3.5. Cluster Promotion Programme (CPP)

- Cluster details, number of farmers

- Activities conducted

- Impact indicators

3.6. Extension Communication Programmes (ECPs)

- As per the approved action plan

- Participation statistics

- Expenditure incurred

- Key messages delivered

3.7. Farmers Skill Training Programmes (FSTs)

- Training topic, duration, venue

- Resource persons

- Pre- and post-training outcomes

3.8. Sericulture Resource Centres (SRCs) – Field Training

- On-field demonstrations

- Technology dissemination

- Farmer feedback

3.9. Survey Programmes

- Survey objectives, tools used

- Sample size and coverage

- Key findings and recommendations

3.10. Research Activities (PI/CI)

- Project title, funding source

- Role (PI/CI)

- Progress milestones and outputs

3.11. Training of Trainers (ToT) & Other Programmes

- Institutional capacity-building activities

- Stakeholder engagement

- Outcome indicators

3.12. Participation in Exhibitions

- Event details

- Technologies showcased

- Visitor interactions

3.13. Visitor Services

- Institutional visitors (farmers, officials, students)

- Purpose and services provided
- Feedback

3.14. Publications

- Type (research article/popular article/extension bulletin/ leaflet)
- Status (submitted/published)
- DOI/ISBN (if applicable)

3.15. Media/Social Media Activities

- Platform used – TV/Radio/Newspaper/Social media
- Content type (post, video, reel)
- Reach and engagement metrics

4. Workflow & Reporting System

4.1 Activity Lifecycle

1. Activity Planning
2. Activity Execution
3. Data Entry by unit
4. Verification by controlling unit
5. Approval by SEEM Division
6. Inclusion in dashboards and reports

4.2 Reporting Features

- Monthly/Quarterly/Annual reports/Live
- Unit-wise, programme-wise, region-wise reports
- Export options: PDF, Excel, CSV
- Graphical dashboards (charts, maps, KPIs)
- Alert based on deadlines

5. Monitoring & Evaluation Tools

- Real-time dashboards for Director and SEEM Division
- Activity completion percentage
- Target vs achievement tracking
- Photographic and document evidence
- Performance indicators for each unit

5. Additional Functional Requirements

- Mobile-friendly / responsive design
- Photo upload with date-time stamp (and GPS, if feasible)

- Offline data entry with sync option

- Automated alerts and reminders for pending reports

- Search and filter options

- Data backup and recovery mechanism

9. Expected Outcomes

- Improved coordination among Director Office, SEEM Division, RSRS, and RECs

- Accurate and timely reporting of extension activities

- Transparent monitoring and accountability

- Strong database for planning, review, and policy decisions

- Reduced manual work and duplication

1. Activity: Silkworm Rearing – RSRS/Farm based units

Breed/ Hybrid	No. of dfls	Brushed on	Yield (kg)	Y/100 dfls (kg)	Marketed/ Used	ERR by wt.	ERR by No.	Qty. marketed (kg)	Rate (Rs./kg)	Total income (Rs.)	Qty. used for other purpose (kg)	Remarks
				AG								

2. Activity: On station trial (OST)

Name of the Technology	Proj. Code	Remarks	Performance			
abc		If it's a mulberry var. use mulb. data collection format				
def		If it's a silkworm rearing, use sw rearing data collection format				
ghi		If product validation use format for that purpose				

3. Activity: On farm trial (OFT)

Name of the Technology	Proj. Code	Remarks	Performance			
abc		If it's a mulberry var. use mulb. data collection format				
def		If it's a silkworm rearing, use silkworm rearing data collection format				
ghi		If product validation use format for that purpose				

[provide provision for addition of any new technology]

4. Activity: FIELD VISIT

⌖ Location, date & time

⇥ Cluster

⇥ Contact number (Farmer data through mobile number)

⌛ Name of farmer, village, mulberry acreage, variety, spacing, rearing capacity, etc., to be auto loaded from the data base being created

⇥ Current status of farmer's mulberry garden

Stage of crop	Mulberry diseases							Mulberry pests						Others [sp.]
	Leaf rust	Bact. blight	Fung. blight	Powd. mild.	Root rot	Rot knot	Others [sp.]	Leaf roller	Pink m.bug	Papaya m.bug	Thrips	Mites	Scale	
	Y/N	Y/N	Y/N	Y/N	Y/N	Y/N		Y/N	Y/N	Y/N	Y/N	Y/N	Y/N	
	%	%	%	%	%	%		%	%	%	%	%	%	%

⇥ Observations ⇥ Suggestions

1	1
2	2
3	3
4	4
5	5

⇥ Current status of silkworm crop

No. of dfls	Breed/ Hybrid	Stage of larvae	SW Diseases				Oth [sp.]	SW Pest		
			Gr	Fl.	Musc	Peb		Uzi fly		

⇥ Observations ⇥ Suggestions

1	1
2	2
3	3
4	4
5	5

5. Activity: Cluster Promotion Programme (CPP)
[month wise targets to be preloaded]
[submission on or before 7th of every month]

⏎ Name of the cluster

(a) Dfls distribution & Silk Production

Month	Target	No. of crops	Dfls brushed	% of achmnt.	Dfls harvested	Cocoon Yield (kg)	Y/100 dfls	Rate/kg	Raw silk production (MT)	
									Target	Achmnt. (%)
	PL			AG			AG		Pl	AG

(b) Plantation details

Month	Existing mulb area (ac)*	No. of farmers	New Plantation (ac.)	No. of farmers	Depletion of area (ac)	No. of farmers	Current area (ac)	No. of farmers	Remarks if any
	PL						AG	AG	

*as on 1.4.2026; PL-Pre loaded; AG-Auto generated

(c) Silkworm crop failures

Reasons	No. of crops	Remarks [if any]
1. Grasserie		
2. Flacherie		
3. Muscardine		
4. Pebrine		
5. Others [specify]		

(d) Cluster vehicle usage

No. of days used	Total Kms run	Rate/km*	Exp. for the month (Rs).	Cumulative days used	Cumulative Kms run	Cumulative Exp. (Rs.)
		PL	AG	AG	AG	AG

*based on quotation rate and has to be PL before start of vehicle use

6. Activity: Extension Communication Programmes (ECPs)
[month wise targets to be preloaded]
[submission on completion of programme]

⏎ Date
⏎ Place

Name of the Programme [ddm]	Topics/Technology covered	No. of participants	Expenditure [in lakhs]

ddm: drop down menu

Awareness Programme
Farmers Field Day
Resham Krishimela
Technology Demonstration
Workshop/Seminar/Conference
Others [provision for specification]

Note: Reports to be generated
1. Monthly progress target vs achievement
2. Quarterly progress target vs achievement
3. Programme wise achievement

7. Activity: Farmers Skill Training Programmes (FSTs)
[submission on completion of programme]

⤵ Place
⤵ Duration (no. of days)
⤵ Date:

Details of FST

Male				Female				Total				Grand total	Exp. (₹)
Gen	SC	ST	OBC	Gen	SC	ST	OBC	Gen	SC	ST	OBC		
												AG	

Topics covered	Faculty
1.	
2.	
3.	
4.	
5.	
Places visited as part of the FST ≫≫	

8. Activity: Sericulture Resource Centres (SRCs) – One-day training module
[submission on completion of programme]

(Database to be created for each SRC)

⤵ Place
⤵ Date

Details of SRC programme

Male				Female				Total				Grand total	Exp. (₹)
Gen	SC	ST	OBC	Gen	SC	ST	OBC	Gen	SC	ST	OBC		
												AG	

9. Activity: Survey Programmes
[submission as and when a survey programme is taken up]

⤵ Place
⤵ Date

Details of Survey Programme [Survey will be on a particular subject with a definite survey format. Therefore, key indicators of that survey only will be entered here]

⤵ Survey number [assign a serial number by the unit]

Survey details	Project Code	Faculty
1. Project Title [if available] if not, Name of the survey [Based on guidelines from the controlling office or main institute]	Project code if any	No. of persons/samples surveyed as the case may be
2.		
3.		

10. Activity: Research Project Work as PIs or CIs
[Monthly Submission]

Project Code/Pilot Study Code	Project Code	PI/CI	Progress
1.			
2.			
3.			
4.			

11. Activity: ToT or Other Programmes – as a resource person
[Submission as and when a programme is completed]

⮊ Place
⮊ Date

Name of the Programme	Role	No. of Stakeholders	Remarks

12. Activity: Participation in Exhibition
[Submission: Upon completion of the exhibition]

⮊ Place
⮊ Period of Exhibition: From date to End date

Name of the Event	Organized by	Name of CSB officials involved	Remarks

13. Activity: Visitor Service
[Submission on the day of visit]

⮊ Date

Name of the school/ college/institution	Contact person	Mobile Number	Farmers	Student	Foreign Dele-gates	Others	Total	Cumulative				GT
								Farmers	Student	Foreign Dele-gates	Others	
				Amt. transaction ID/details								

14. Activity: Publications
[On publishing the Research paper/material/article]

Title of the paper	Authors	Journal/magazine/book	Vol/Issue	Remarks

15. Activity: Media/Social Media
[On publishing the content]

Date	Platform	Attach screenshot/ news clipping		