STATE DIGITAL HEALTH MISSION
(Dept. of Health & Family Welfare, Govt. of Kerala)
2nd Floor, K Karunakaran Medical College,
General Hospital Campus, General Hospital Junction
Thiruvananthapuram-695035
Phone No-0471-2998033
ehealth@kerala.gov.in

Quotation No: SDHM/2026/06 dtd: 20-11-2026

eHealth Kerala/ State Digital Health Mission invites online bids from CERT-In Empanelled Information Security Auditing Organizations for conducting a comprehensive Security Audit of the newly developed web applications.

Scope of Work:-

The selected CERT-In empaneled agency shall undertake a comprehensive Vulnerability Assessment and Penetration Testing (VAPT) of the web applications, including:

- Application Components
- API Gateway
- Microservices and Inter-service Communications
- Authentication and Authorization Services
- Workflow and Service Delivery Modules
- Databases and Data Access Layers
- Integration APIs with external Government systems
- Containerized Services / Virtualized Infrastructure (if applicable)

Audit Requirements

The selected Security Auditor shall:

- Conduct security audit in accordance with CERT-In guidelines, OWASP Top 10, OWASP API Security Top 10 and industry best practices.
- Perform Vulnerability Assessment and Penetration Testing (VAPT) of all web interfaces, APIs and microservices.
- Assess authentication, authorization, session management and access control mechanisms.
- Verify secure communication between microservices and integrated systems.

- Identify security vulnerabilities, configuration weaknesses and potential exploitation paths.
- Provide detailed remediation recommendations for all identified vulnerabilities.
- Re-assess the application after vulnerabilities are addressed by the development team.
- Provide continuous support and clarification during vulnerability remediation, if required.
- Submit detailed audit reports along with risk categorization and mitigation measures.
- Issue a final "Safe-to-Host Certificate" upon successful closure of identified vulnerabilities.

Terms and Conditions

- The bidder must have a registered office in Kerala
- Only organizations currently empanelled with CERT-In as Information Security Auditing Organizations are eligible to participate Bidder should have a valid CERT-In empanelment till March 2027. **Proof of document to be submitted along with the bid**.
- A company incorporated in India under the Companies Act, 1956 or 2013 or LLP Act 2008 and subsequent amendments thereto Registered with the Income Tax (PAN) and GST (GSTN) Authorities in India with active status. **Proof of document to be submitted along with the bid.**
- The Bidder should have executed at least 3 orders in last 2 years of similar nature of jobs, particularly in Cyber Threat & Vulnerability Assessment and Site Security Audit Services at any Govt. Department /Quasi Govt. Dept / PSU / Board / Council. **Proof of document to be submitted along with the bid**.
- The bidder must have 5+ years of experience (as on 30th Nov 2026) of providing Security Audit services to any Govt Organization / PSU / Public Listed / Bank/Private Company. **Proof of document to be submitted along with the bid**.
- Bidder should not have been blacklisted or debarred by Govt. of India and/or any State Government and/or any Central/State PSU at the time of bid submission date. An undertaking in this regard to be submitted by the bidder along with the bid.
- Bidders who submit all the necessary documents as prescribed for inclusion in the technical bid without any ambiguity, errors etc.

- Firm/company who has withdrawn after participating in any of the previous tenders/ quotations of SDHM are not eligible to participate in this quotation.
- The bidder has to prepare and submit the proposed audit checklist in compliance with CERT-In standard along with the technical bid.
- The audit and certification shall comply with prevailing CERT-In standards and guidelines.
- The first-round Security Audit Report of individual applications shall be submitted within 7 days from the date of issue of Work Order.
- Subsequent re-audit reports, if required, shall be submitted within 3 working days from the date of availability of the remediated application.
- eHealth Kerala reserves the right to inspect or review audit activities at any stage of the engagement.
- Necessary access to the application, APIs, staging environment and supporting infrastructure shall be provided to the selected auditor.
- The selected auditor shall execute a Non-Disclosure Agreement (NDA) with eHealth Kerala before commencement of the audit.
- The auditor shall maintain strict confidentiality of all information, architecture details, source code references, API specifications and data accessed during the audit.
- Payment shall be released only after:
- Submission of the final Security Audit Report,
- Successful completion of re-audit activities (if any), and
- Issuance of the Safe-to-Host Certificate.
- No claim for interest in case of delayed payment shall be entertained by eHealth Kerala.
- Incomplete, conditional or non-compliant bids shall be rejected.
- eHealth Kerala reserves the right to accept or reject any or all bids without assigning any reason thereof.
- The scope of the security audit of two applications is referred in **Annexure I & Annexure II**
- Single Cover Quotation should be submitted as a password-protected PDF with the subject "Quotation for Security Audit of STEMI and VDTB Web applications" to ehealth@kerala.gov.in. The password shall be shared only on the quotation opening date to ehealth@kerala.gov.in. The quotations will be opened on the day immediately following the last date for submission of quotations.
- Any clarification regarding the quotation may be sought with three days of this

notice through email. Clarifications sought after the stipulated date and time will not be entertained.

- Last date and submission of quotations via email shall be within 7 days from the date of this notice. Any quotations received after the last date shall not be acceptable.

Digitally signed by
MAHESH N
Date: 20-11-2026
10:07:09

ADDL. PROJECT DIRECTOR

Annexure I
STEMI- Web application

1	Web Application Name & URL	STEMI
2	Brief about the web application and activities	STEMI is an eHealth application for Kerala's ST-elevation myocardial infarction (heart attack) hub-and-spoke network.

	done through the web application	Hospitals that see the patient first register the patient, record the presentation, vitals, timed ECGs, troponin results and treatment, and send the case to a PCI-capable hub hospital. The hub cardiologist reads the ECG and clinical picture and advises within minutes: thrombolyse at the spoke, transfer for primary, pharmaco-invasive or rescue PCI, or manage medically. The spoke records the action taken and closes the case with its outcome.
3	Will the website/web-application/webservice available remotely for auditing (Yes/No)	Yes
4	Number of static pages	2
5	Number of Dynamic Pages	10+
6	Number of Input forms	25+
7	Number of User Input fields (approximately)	150
8	If the application uses any internal web service (API)? If yes, provide the details	1 API
9	If the application uses any third party web service (API)? If yes provide the details	Yes.
10	Operating System, Webserver and Database versions, Front End Tools/Server Side scripts/Programming tools used with version details, Document/report details HTML, PDF, XML etc	PHP 8.5 Framework: Laravel 13 Node.js 26 Database: PostgreSQL 17 OS-Nginx 1.32 Frontend: vuejs Backend : Laravel 13
11	Whether the web application contains any Content Management System. If yes, please mention name of the CMS Yes/No	No
12	Share sample login credentials, one for each role	
13	SRS or technical document of the website if any is available	Yes

	Yes/No	
14	Does the application have SMS integration(YES/No)	Yes
15	Does the application have email integration(YES/No)	Yes
16	Does the application have Payment Gateway integration(YES/No)	No
16	Does the application provide a file upload feature (YES/No)	Yes

Annexure II
Virtual District Tumor Board- Web application

1	Web Application Name & URL	Virtual District Tumor Board Web portal
2	Brief about the web application and activities done through the web application	A Virtual District Tumor Board is a technology-enabled, multidisciplinary platform through which cancer specialists from different hospitals within a district can virtually discuss, review, and decide on the appropriate treatment plans for cancer patients. It enables specialists to collaborate without requiring physical meetings, thereby improving access to expert cancer care, particularly in districts where specialist oncologists may not be available at every hospital
3	Will the website/web application/webservice available remotely for auditing (Yes/No)	Yes
4	Number of static pages	2
5	Number of Dynamic Pages	10+
6	Number of Input forms	25+
7	Number of User Input fields (approximately)	150
8	If the application uses any internal web service (API)? If yes, provide the details	Yes, 8API..
9	If the application uses any third party web service (API)? If yes provide the details	Yes. Keralam VC(5 api)

10	Operating System, Webserver and Database versions , Front End Tools/Server Side scripts/Programming tools used with version details, Document/report details HTML, PDF, XML etc	Java Front End-React.js Database: PostgreSQL17 OS: Nginx 1.32
11	Whether the web application contains any Content Management System. If yes, please mention name of the CMS Yes/No	No
12	Share sample login credentials, one for each role	
13	SRS or technical document of the website if any is available Yes/No	Yes
14	Does the application have SMS integration(YES/No)	Yes
15	Does the application have email integration(YES/No)	Yes
16	Does the application have Payment Gateway integration(YES/No)	No
16	Does the application provide a file upload feature (YES/No)	Yes