## इलेक्ट्रॉनिकी और सूचना प्रौद्योगिकी मंत्रालय एस. टी. क्यू. सी. निदेशाल्य इलेक्ट्रॉनिकी क्षेत्रीय परीक्षण प्रयोगशाला (पूर्व)

Government of India Ministry of Electronics & Information Technology STQC Directorate ELECTRONICS REGIONAL TEST LABORATORY (EAST) Kolkata

Project No. ES/RRCT/181901

2<sup>nd</sup> November 2018

## Web Application Security Audit

**Application Name** 

: Website of Raja Ramanna Centre for Advanced Technology

**Customer's Address** 

: Raja Ramanna Centre for Advanced Technology

: P.O. CAT, Indore - 452013, Madhya Pradesh

Site URL

: http://www.rrcat.gov.in

Temporary URL

: http://www.rrcat.gov.in

Audit Performed by

: STQC IT Services, Kolkata

**Testing Date** 

: 25<sup>th</sup> July 2018 to 6<sup>th</sup> August 2018 (Cycle-1)

: 29th August (Cycle-2)

Observation

SI.	Web Application	Observation	Remarks
No	Vulnerabilities		
A1	Injection	No issues	
A2	Broken Authentication	No issues	
A3	Sensitive Data Exposure	No issues	
Α4	XML External Entities	No issues	
A5	Broken Access Control	No issues	
A6	Security Misconfiguration	No issues	
Α7	Cross-Site Scripting	No issues	
A8	Insecure Deserialization	No issues	
Α9	Using Components with Known Vulnerabilities	No issues	
A10	Insufficient Logging and Monitoring	No issues	

## Recommendation:

- 1. The web application may be hosted at http://www.rrcat.gov.in, with Read and Script Execute permission.
- 2. Hardening / proper secured configuration of the Web Server and Operating System need to be done in the production environment where the application will be hosted. Vulnerability assessment of the critical servers and perimeter devices should be done at regular intervals.

## Conclusion:

The Web Application is free from OWASP-Top 10 (2017) vulnerabilities and is safe for hosting.

Audited By: Arpita Datta Scientist 'E'

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Scientist-F & Head, eSecurity Testing



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