भारत सरकार इलेक्ट्रॉनिकी और सूचना प्रौद्योगिकी मंत्रालय एस टी क्यू सी निदेशालय डलेक्टॉनिकी क्षेत्रीय परीक्षण प्रयोगशाला (पूर्व)

Government of India Ministry of Electronics & Information Technology STQC Directorate

ELECTRONICS REGIONAL TEST LABORATORY (EAST)

कोलकाता

Project No: ES/EMBI/141501

Kolkata

10th April 2019

Web Application Security Audit

Application Name

: Website of High Commission of India, Ottawa, Canada

Organization Name

: High Commission of India, Ottawa

: 10, Springfield Road : Ontario, Canada K1M 1C9

Production URL

: https://www.hciottawa.gov.in

Temporary URL

: https://49.50.102.192/ottawa_testing/

Audit Performed by

: STQC IT Services, Kolkata

Testing Date

: 7th September 2018 to 19th September 2018 (Stage-I)

: 5th October 2018 to 8th October 2018 (Stage-II)

: 6th March 2019 (Final Verification)

Table 1: OWASP Top 10 Vulnerabilities (2017)

SI. No	Web Application Vulnerabilities	Observation	Remarks
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.hciottawa.gov.in,with ReadOnly 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 conducted at regular intervals.

Conclusion:

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

hosting.

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