भारत सरकार / Government of India

एस. टी. क्यू. सी. नदिशालय / **STQC Directorate**

इलेक्ट्रॉनिकी और सूचना प्रौद्योगिकि मंत्रालय /Ministry of Electronics & Information Technology

इलेक्ट्रॉनिकी तरीक्षण तथा वकिस केंद्र / **ELECTRONICS TEST & DEVELOPMENT CENTRE**

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संदर्भ सं/Ref.No.: ITBG/   **STQC-IT BG/1291/Certificate-01**   दनिांक /DATE: **26.06.2019**

Application Security Test/Audit Certificate

Site Name   : India Post Portal Web Application
Website URL   : https://www.indiapost.gov.in
Audit Performed by   : STQC IT Services, Bangalore
Testing Date   : From 01.06.2018 to 12.06.2019

Observations:

Sl. No	Web application Vulnerabilities	Observation	Remarks
A1	Injection	No Issues	--
A2	Broken authentication	No Issues	--
A3	Sensitive Data Exposure	No Issues	--
A4	XML External Entities (XXE)	No Issues	--
A5	Broken Access Control	No Issues	--
A6	Security Misconfiguration	No Issues	--
A7	Cross-Site Scripting (XSS)	No Issues	--
A8	Insecure Deserialization	No Issues	--
A9	Using Components with Known Vulnerabilities	No Issues	--
A10	Insufficient Logging and Monitoring	No Issues	--

Note: For details please refer Security Test Report Ref ITBG/TR-ST/IT 12910619 dated 26th June, 2019. Web application developed by Tata Consultancy Services (TCS), New Delhi.

1. The scope does not cover security testing of system hardware, system software (OS/Utilities), third party software, network components & accessories, deployment environment, captchas or any other human verification systems, OTP generation and verification, digital signature verification, PKI components (encryption and decryption) etc.

2. The scope of the testing does not cover functional testing which includes verification of compliance to risk and security controls, GFR Rules, CVC Guidelines and IT Act.
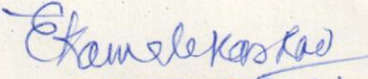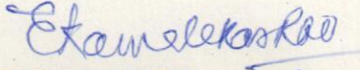
Recommendation:

1. The web application may be hosted at the URL: https://www.indiapost.gov.in
   Entire application handling sensitive data and credentials should be transmitted through encrypted channel such as TLS 1.2 or above.

2. Hardening of Web Server and the OS for security need to be done in the production server where application will be hosted.

3. Server Logs should be properly captured and monitored timely for identifying security attacks.

Conclusion:

The web application is free from **OWASP Top 10 Application Security Risks – 2017**(and any other known) vulnerabilities.

S.P. Tharesh Kumar   E. Kalamalar Rao   E. Kalamalar Rao
Scientist 'B'   Scientist 'F'   Scientist 'F'
(Audited by)   (Reviewed by)   (Approved by)

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