

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

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

Kolkata

Project No. ES/HCLK/181901

11th September 2018

Web Application Security Audit

Application Name

: Web Portal of Hindustan Copper Limited

Customer's Address

: Hindustan Copper Limited

: Tamra Bhavan

: 1, Ashutosh Chowdhury Avenue, P.B. No. 10224, Kolkata - 700 019

Site URL

: https://www.hindustancopper.com

Temporary URL

: http://www.hindustancopper.com

Audit Performed by

: STQC IT Services, Kolkata

Testing Date

: 26^{th} July 2018 to 24^{th} August 2018 (Cycle-1) : 3^{rd} September 2018 to 10^{th} September 2018 (Cycle-2)

OWASP Top 10 (2017) Vulnerabilities

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	Unnecessary HTTP methods like OPTIONS etc. are enabled in the web server.	Web server should be configured so that it allows GET and POST methods only (Recommendation-2).
A7	Cross-Site Scripting	No issues	
A8	Insecure Deserialization	No issues	
А9	Using Components with Known Vulnerabilities	No issues	
A10	Insufficient Logging and Monitoring	No issues	

Recommendation:

1. The web portal may be hosted at https://www.hindustancopper.com, with Read and Script Execute permission.

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.

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Scientist 'B'

Approved By: Arpita Datta

Scientist 'E



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