



Ref. No. : STQC IT- ERTL(N)/NIXI/AS/TR/11/2018/Cert-09

Dated: 13.11.2018

Application Security Test Certificate

Web Site Tested:	National Internet Exchange of India static website
Test URL:	http://beta.nixi.in/
Host URL :	http://nixi.in
Test /Audit Agency:	STQC IT Services, ERTL (North) New Delhi
Testing/ Audit Date(s):	11th to 12th October 2018 (First cycle), 18 th to 26 th October 2018 (Second cycle), 05 th to 12 th November 2018 (Final cycle)

Test/ Audit Result Summary:

OWASP Top Ten (2013)	Web Application Vulnerabilities	Compliance	Remark
A1	Injection	Satisfactory	Nil
A2	Broken Authentication and Session Management	Satisfactory	Nil
A3	Cross Site Scripting (XSS)	Satisfactory	Nil
A4	Insecure Direct Object References	Satisfactory	Nil
A5	Security Misconfiguration	Satisfactory	Nil
A6	Sensitive Data Exposure	Not Satisfactory	Please refer the recommendation 2.
A7	Missing Function Level Access Control	Satisfactory	Nil
A8	Cross Site Request Forgery (CSRF)	Satisfactory	Nil
A9	Using Known Vulnerable components	Satisfactory	Nil
A10	Unvalidated Redirects and Forwards	Satisfactory	Nil

Note: For details please refer Security Test Report Ref. NO. STQC IT- ERTL (N)/ NIXI/AS/VR/10/2018/150, dated 12th October, 2018.

Recommendations:

1. Auditing for static website of NIXI was done from 11th to 12th October 2018, as per the OWASP Top 10 2013 by STQC IT, ERTL (N). The follow-up testing/ auditing was done on 18th to 26 October 2018 and then final cycle conducted during 5th November to 12th November 2018(Final Cycle) and there is no pending nonconformity w.r.t OWASP Top 10 2013 as on 12th November 2018.
2. Sensitive data must be suitably protected in storage & transit.
3. User access log & transaction log of the Website should be enabled and stored on a separate secure server.
4. Before deploying the Website in the production environment, the hardening of IT infrastructure (Network, Hosts and OS) must be ensured.
5. **This Certificate is valid for one year from the date of issue or till any change in the code of the application or any new vulnerability is discovered whichever is earlier.**

Conclusion:

The Website is free from OWASP Top 10, 2013 and any other known vulnerabilities except the issue related to Sensitive Data Exposure (A6). The Issue should be taken care of in the production environment through proper hardening using configuration of the web server and the OS and using SSL for entire website.

Tested by:

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