



National Aluminium Company Limited

Project - IT Security Audit

Engagement Summary and Way Forward

24 February 2023

Digital Trust

[Kpmg.com/in](https://kpmg.com/in)



IT Security Program - Mandate



NALCO

2 Mobile Applications
5 Web Applications
1 Web Site

~100 Network and Server Devices

An evolving SAP ECC Ecosystem

Offices in Bhubaneswar, Delhi, Kolkata, Mumbai, Chennai and multiple plants and stockyards



IT Security Audit Program

1. Vulnerability Assessments

2. Penetration Testing

3. Configuration Reviews



4. Web Application Security Assessments

5. SAP Audit

6. Functional Reviews
(Change Management, BCP Policy Review)



Deliverable - Status Update



Bucket 1 – IT Infrastructure Audits			
#	Activity	Report	Revalidation Report
1	D1 - VAPT Report	Completed	Submitted
2	D2 - PT Report	Completed	Submitted
3	D3 - Config Review Report	Completed	Submitted
4	D14 – Performance Report	Completed	Submitted

Bucket 3 – Web Application Security Assessment (WASA)			
#	Activity	Report	Revalidation Report
1	D6 - Attendance WASA Report	Completed	Submitted
2	D7 - Leave WASA Report	Completed	Submitted
3	D8 - Recruitment WASA Report	Completed	Submitted
4	D9 - Bill Tracking WASA Report	Completed	Submitted
5	D10 - Appraisal System WASA Report	Completed	Submitted
6	D11 - NALCO Website WASA Report	Completed	Submitted
7	D15 – PESB Report	Completed	Submitted

Bucket 2 – Mobile Application Security Review			
#	Activity	Report	Revalidation Report
1	D4 - Customer App Report	Completed	Submitted
2	D5 - Vendor App Report	Completed	Submitted

Bucket 4 – IT Process Review			
#	Activity	Report	Revalidation Report
1	D13 - Process Review Report	Completed	N/A

Bucket 5 – SAP Review			
#	Activity	Report	Revalidation Report
1	D12 - SAP Report	Completed	N/A



Summary of Observations Reported (Contd.)



Report	High	Medium	Low	Total	Summary of Critical Observations
Bill Tracking Portal - Web App	2	3	6	11	Man-in-the-Middle Attack Application is vulnerable to SWEET32 attack Broken Session Management
Appraisal Portal - Web App	2	3	8	13	Man-in-the-Middle Attack Application is vulnerable to SWEET32 attack Broken Session Management
NALCO Website - Web App	1	0	7	8	HTTP TRACE Method Enabled OPTION Method Enabled
PESB Application - Web App	3	3	11	17	Man-in-the-Middle Attack Application is vulnerable to SWEET32 attack User Recovery Mechanism Missing



Thank You

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