

INDIAN CYBERSECURITY GUIDELINES & REGULATORY CIRCULARS

*Security Controls Mapping Matrix | Recommended Security Services | Tools
Implementation Coverage*

Edition	Version 1.0 — March 2025
Frameworks Covered	CERT-In, DPDP, RBI, SEBI, IRDAI, NHB, DoT, NCIIPC, MeitY, IT Act
Scope	Government, BFSI, Telecom, Healthcare, Critical Infrastructure
Prepared by	IT Governance & Compliance Practice

SECTION 1 — INDIAN CYBERSECURITY GUIDELINES & REGULATORY CIRCULARS

1.1 National-Level Frameworks

A. CERT-In Directives (MeitY)

The Indian Computer Emergency Response Team (CERT-In) operates under Section 70B of the IT Act, 2000 and issues binding cybersecurity directions to all entities operating in India.

Guideline/Circular	Reference	Key Mandate
CERT-In Directions 2022	No. 20(3)/2022-CERT-In dated 28-Apr-22	6-hr incident reporting, 5-yr log retention, NTP synchronisation, KYC/UIDAI linkage, VPN/cloud logs
CERT-In Amendment 2022	Clarification issued 17-Jun-22	Clarifications on VPN, virtual asset service providers, mandatory registration
CERT-In Empanelment Scheme	Guidelines for IS Audit Firms	Criteria for IS auditor empanelment, audit methodology, competency
IT Act Sec 70A — NCIIPC	NCIIPC Framework 2013/updated	Protection of Critical Information Infrastructure (Power, Finance, Telecom, Transport)
CERT-In CISO Guidelines	Advisory 2023	CISO responsibilities, board-level reporting, IR planning
CERT-In Ransomware Advisory	Advisory May-2022	Backup strategy, segmentation, patch mgmt, response playbook

B. IT Act 2000 & Amendments

Section	Year	Relevance
Section 43 & 43A	2000/2008	Penalty for unauthorised access & breach of sensitive personal data
Section 66 – 66F	2008	Cybercrimes: hacking, identity theft, cyber terrorism, offensive content
Section 69 – 69B	2008	Interception, monitoring, decryption powers; blocking of unlawful content
Section 70	2008	Protected systems notification by Central/State Govt
Section 70A/70B	2008	NCIIPC & CERT-In establishment mandates
SPDI Rules 2011	2011	Sensitive Personal Data: collection, processing, disclosure, security practices
IT (Intermediary) Rules 2021	2021	Due diligence, grievance officer, content takedown, traceability

C. Digital Personal Data Protection Act 2023 (DPDP Act)

Section	Requirement
Sec 4–9	Lawful processing, consent framework, deemed consent, notice requirements

Sec 10	Obligations of Significant Data Fiduciaries (SDF): DPIA, DPO appointment, audit
Sec 11–12	Rights of Data Principals: access, correction, erasure, nomination, grievance
Sec 17	Data localisation: personal data of children, certain cross-border restriction
Sec 25	Security safeguards: technical & organisational measures, breach notification to DPBI within 72 hrs
Sec 33–40	Data Protection Board of India (DPBI): adjudication, penalties up to ₹250 Cr
DPDP Rules (Draft 2025)	Consent manager regulations, DPIA format, cross-border whitelist, SDF criteria

Note: DPDP Act 2023 supersedes IT (SPDI) Rules 2011 upon notification of relevant sections.

1.2 Sector-Specific Regulatory Guidelines

A. Reserve Bank of India (RBI) — BFSI Sector

Circular / Framework	Issued By / Year	Key Controls Required
IT Framework for Banks	RBI / 2016	Risk governance, IS audit, BCP/DR, patch management, access control
Cyber Security Framework for Banks	RBI / Jun-2016	Baseline cybersecurity controls, CISO, SOC, incident response, VAPT
Master Direction – RBI IT	RBI / Apr-2024 (updated)	Consolidated IT governance, audit, risk, IS policy for regulated entities
Guidelines on Digital Lending	RBI / 2022	Data security, customer consent, LSP oversight, storage restrictions
NBFC IT Guidelines	RBI / 2023	IT governance, IS audit, BCP, cybersecurity for NBFC-M, NBFC-D
UPI / Payment System Guidelines	NPCI / RBI	PCI-DSS alignment, tokenisation, fraud monitoring, AML controls
Cloud Adoption Framework	RBI / 2023	Risk assessment, data residency, audit rights, exit clause for cloud
Third-Party Risk Management	RBI / 2023	Vendor due diligence, contractual obligations, monitoring, exit strategy
Customer Protection – Fraud	RBI / 2017	Zero liability, limited liability, dispute resolution for digital fraud

B. Securities & Exchange Board of India (SEBI)

Circular	Reference / Year	Mandate
Cyber Security & Resilience Framework	SEBI / Jan-2019	Governance, audit, SOC, incident response for Stock Exchanges, Depositories, Clearing
SEBI CSCRF 2023 (Updated)	SEBI / Aug-2023	Extended to brokers, RTAs, AMCs; 4-hour reporting, recovery time objectives
Cloud Adoption Guidelines	SEBI / 2023	Data localisation, risk assessment, exit management for market infrastructure

Cyber Audit – Qualified Auditors	SEBI Circular 2020	IS audit by CERT-In empanelled auditors, half-yearly audit cycle
Algorithmic Trading Guidelines	SEBI / 2012 & updates	System audit, kill switch, order-to-trade ratio, co-location security
Social Engineering Advisory	SEBI / 2022	Employee training, phishing simulation, callback verification

C. IRDAI — Insurance Sector

Circular	Reference	Key Requirement
IRDAI Cybersecurity Guidelines 2023	IRDAI / Jun-2023	CISO, IS audit, cyber insurance, SOC, incident reporting within 6 hrs
IRDAI Cloud Guidelines 2023	IRDAI / 2023	Risk assessment, data residency in India, vendor oversight
IRDAI Data Localisation	IRDAI Circular 2019	Policyholder data must be stored within India
IRDAI Information/Cyber Security Policy	IRDAI / 2017	Policy framework, VAPT, patch management, BCP/DR

D. DoT / TRAI — Telecom Sector

Guideline	Year	Mandate
Telecom Cybersecurity Rules 2024	DoT / Nov-2024	Incident reporting within 6 hrs, log retention 2 yrs, mandatory security audit
TRAI Recommendations on Cybersecurity	TRAI / 2023	Security gateway, caller ID authentication, spam/fraud control
Telecom Equipment Approval	DoT TEC	Security testing of telecom equipment before deployment
NCCS (National Cyber Coordination Centre)	MHA / MeitY	Real-time threat intelligence, co-ordination between agencies

E. Healthcare — MoH, NHA, ABDM

Guideline	Reference	Requirement
Digital Health Security Guidelines	MoH / 2023	Health data classification, consent, encryption, interoperability security
ABDM Security & Privacy Spec	NHA / 2021	PHR, ABHA number security, API gateway controls, consent artefact
EHR Standards 2013 (revised)	MoH	Audit trail, access control, data backup for electronic health records

F. Government / e-Governance — MeitY, NIC, GIGW

Guideline	Authority	Applicability
National Cybersecurity Policy 2013	MeitY	Framework for protecting cyberspace; roles of agencies, capacity building

National Cybersecurity Strategy 2020	PMO / NSA	Cyber sovereignty, resilience, awareness, deterrence (7 pillars)
GIGW – Govt IT Guidelines	NIC / MeitY	Website security, WAF, SSL, accessibility, audit for Govt portals
Rapid Assessment System (RAS)	MeitY / 2022	Continuous monitoring of Govt IT assets, vulnerability assessment
STQC Audit Framework	MeitY / STQC	IS audit, VAPT, WSTG testing for Govt IT projects
Cloud Policy MeitY	MeitY Empanelment	Use of MeitY-empanelled CSPs only for Govt cloud workloads
NPKI Policy	CCA / MeitY	National PKI, digital signatures, DSC usage, certificate management

SECTION 2 — SECURITY CONTROLS MAPPING MATRIX

The matrix below maps each security control domain against major Indian regulatory frameworks. Organisations should treat this as a minimum baseline — overlapping mandates require the stricter control to be implemented.

LEGEND	■ MANDATORY	● RECOMMENDED	○ ADVISORY / N/A
---------------	--------------------	----------------------	-------------------------

Control Domain	CERT-In	DPDP	RBI	SEBI	IRDAI	DoT	Govt / MeitY
Governance & Policy	Mandatory	Mandatory	Mandatory	Mandatory	Mandatory	Mandatory	Mandatory
Risk Assessment	Advisory	Mandatory (SDF)	Mandatory	Mandatory	Mandatory	Mandatory	Recommended
Asset Management	Mandatory	Recommended	Mandatory	Mandatory	Mandatory	Mandatory	Recommended
Access Control / IAM	Mandatory	Mandatory	Mandatory	Mandatory	Mandatory	Mandatory	Mandatory
Privileged Access Mgmt	Mandatory	Mandatory	Mandatory	Mandatory	Mandatory	Mandatory	Mandatory
Data Classification	Mandatory	Mandatory	Mandatory	Mandatory	Mandatory	Advisory	Mandatory
Encryption (Data at Rest)	Mandatory	Mandatory	Mandatory	Mandatory	Mandatory	Mandatory	Mandatory
Encryption (In Transit)	Mandatory	Mandatory	Mandatory	Mandatory	Mandatory	Mandatory	Mandatory
Network Security / FW	Mandatory	Recommended	Mandatory	Mandatory	Mandatory	Mandatory	Mandatory
Vulnerability Assessment	Mandatory	Advisory	Mandatory	Mandatory	Mandatory	Mandatory	Mandatory
Penetration Testing	Mandatory	Advisory	Mandatory	Mandatory	Mandatory	Mandatory	Mandatory
Patch Management	Mandatory	Recommended	Mandatory	Mandatory	Mandatory	Mandatory	Mandatory
Log Management / SIEM	Mandatory (5yr)	Mandatory	Mandatory	Mandatory	Mandatory	Mandatory (2yr)	Mandatory
Security Monitoring / SOC	Mandatory	Advisory	Mandatory	Mandatory	Mandatory	Advisory	Recommended
Incident Response	Mandatory (6hr)	Mandatory (72hr)	Mandatory	Mandatory (4hr)	Mandatory (6hr)	Mandatory (6hr)	Mandatory
Data Loss Prevention	Mandatory	Mandatory	Mandatory	Mandatory	Mandatory	Advisory	Recommended
Email Security	Recommended	Recommended	Mandatory	Recommended	Recommended	Recommended	Mandatory
Endpoint Protection	Mandatory	Recommended	Mandatory	Mandatory	Mandatory	Mandatory	Mandatory
BCP / Disaster Recovery	Recommended	Recommended	Mandatory	Mandatory	Mandatory	Mandatory	Recommended
Third-Party / Supply Chain	Mandatory	Mandatory	Mandatory	Mandatory	Mandatory	Mandatory	Mandatory

Cloud Security	Mandatory	Mandatory	Mandatory	Mandatory	Mandatory	Advisory	Mandatory
Data Localisation	N/A	Mandatory (children)	Mandatory	Mandatory	Mandatory	Mandatory	Mandatory
Security Awareness Training	Mandatory	Recommended	Mandatory	Mandatory	Mandatory	Recommended	Recommended
Consent & Privacy Mgmt	N/A	Mandatory	Mandatory	Mandatory	Mandatory	Recommended	Mandatory
Audit & Compliance Review	Mandatory (6mo)	Mandatory (annual)	Mandatory	Mandatory (6mo)	Mandatory	Mandatory (annual)	Mandatory
DPIA / Privacy Impact Assess	N/A	Mandatory (SDF)	Recommended	Recommended	Recommended	N/A	Recommended
NTP Synchronisation	Mandatory	N/A	Mandatory	Mandatory	Mandatory	Mandatory	Mandatory
Mobile Device Security	Recommended	Recommended	Mandatory	Recommended	Recommended	Advisory	Recommended
API Security	Recommended	Mandatory	Mandatory	Mandatory	Mandatory	Mandatory	Mandatory
CISO Appointment	Advisory	Mandatory (SDF)	Mandatory	Mandatory	Mandatory	Advisory	Recommended

Notes: (1) 'SDF' = Significant Data Fiduciary as defined under DPDP Act. (2) Incident reporting timelines vary per regulator — organisations operating across sectors must meet the shortest applicable SLA (typically 4–6 hours). (3) This matrix is indicative; always refer to the primary circular text for authoritative requirements.

SECTION 3 — RECOMMENDED SECURITY SERVICES & TOOLS IMPLEMENTATION

The following catalogue maps each security service to the recommended tooling, products available/used in India, and the regulatory frameworks they satisfy. Organisations should prioritise tools from CERT-In empanelled, MeitY-empanelled, and BIS-tested vendors where applicable.

3.1 Identity & Access Management (IAM)

Security Service / Control	Implementation Tools	Indian/Global Products	Regulatory Alignment
Multi-Factor Authentication	TOTP, FIDO2/WebAuthn, Smart Card	Microsoft Entra ID, Okta, Cymmetri (India), authbridge	CERT-In, RBI, SEBI, DPDP
Single Sign-On (SSO)	SAML 2.0, OIDC, OAuth 2.0	Okta, Azure AD, ForgeRock, Ping Identity	RBI IT Framework, SEBI CSCRF
Privileged Access Management	PAM Vault, Session Recording, JIT	Sectona (India), CyberArk, BeyondTrust, Delinea	CERT-In, RBI, SEBI
Directory Services	LDAP, AD, Cloud Directory	Active Directory, Azure AD DS, AWS IAM	CERT-In, RBI, Govt GIGW
Identity Governance (IGA)	Role mining, access certification	SailPoint, Saviynt, IBM ISIM	RBI, SEBI, IRDAI

3.2 Network Security

Security Service / Control	Implementation Tools	Indian/Global Products	Regulatory Alignment
Next-Gen Firewall (NGFW)	Stateful inspection, App-ID, IPS	Palo Alto, Fortinet, Check Point, Sophos, Cisco	CERT-In, RBI, SEBI, DoT
Web Application Firewall (WAF)	OWASP Top 10, rate limiting, bot mgmt	AWS WAF, Imperva, F5, Indusface (India), Cloudflare	CERT-In, RBI, SEBI, GIGW
DDoS Protection	Volumetric & application layer mitigation	Cloudflare, Akamai, AWS Shield, Radware, Tata Cliq	CERT-In, DoT Telecom Rules
Intrusion Detection / Prevention	Signature + anomaly detection	Snort/Suricata, Cisco Firepower, Vectra AI	CERT-In, RBI, SEBI
Network Access Control (NAC)	802.1X, endpoint posture assessment	Cisco ISE, Aruba ClearPass, Forescout	RBI, SEBI
Zero Trust Network Access	Micro-segmentation, ZTNA proxy	Zscaler ZPA, Cloudflare Access, Palo Alto Prisma	RBI IT 2024, SEBI Cloud
SD-WAN Security	Encrypted overlay, SASE integration	Cisco Meraki, Fortinet SD-WAN, VMware VeloCloud	RBI, IRDAI, DoT

3.3 Endpoint & Device Security

Security Service / Control	Implementation Tools	Indian/Global Products	Regulatory Alignment
----------------------------	----------------------	------------------------	----------------------

Endpoint Detection & Response (EDR)	Behavioural analysis, threat hunting	CrowdStrike, SentinelOne, Microsoft Defender, Quick Heal (India)	CERT-In, RBI, SEBI, IRDAI
Mobile Device Management (MDM)	Policy enforcement, remote wipe, containerisation	Microsoft Intune, VMware Workspace ONE, Jamf	RBI, IRDAI, Govt
Data Loss Prevention (DLP)	Content inspection, policy enforcement	GTB Technologies (used in India), Symantec DLP, Forcepoint, Microsoft Purview	CERT-In, DPDP, RBI, SEBI
Application Whitelisting	Execution control, allowlist policy	Carbon Black App Control, CrowdStrike App Control	CERT-In, RBI
Patch Management	Automated scanning, deployment, reporting	Microsoft WSUS/SCCM, Qualys PM, Ivanti, ManageEngine	CERT-In, RBI, SEBI

3.4 Vulnerability Management & VAPT

Security Service / Control	Implementation Tools	Indian/Global Products	Regulatory Alignment
Vulnerability Scanner	Network, web, cloud scanning	Rapid7 InsightVM (used in India), Tenable Nessus, Qualys, OpenVAS	CERT-In, RBI, SEBI, STQC
Penetration Testing Platform	Manual + automated exploitation	Metasploit, Cobalt Strike, Burp Suite, OWASP ZAP	CERT-In, RBI, SEBI, IRDAI
Web Application Scanning	DAST, SAST, IAST	Veracode, Checkmarx, OWASP ZAP, Rapid7 AppSpider	CERT-In, RBI, SEBI, STQC
Red Team / TLPT	Threat-led penetration testing	CERT-In empanelled auditors, TIBER-IN equivalent	RBI, SEBI, IRDAI
Attack Surface Management	External asset discovery, exposure mgmt	CyCognito, Mandiant ASM, Detectify	CERT-In Advisory, RBI

3.5 Security Information & Event Management (SIEM) / SOC

Security Service / Control	Implementation Tools	Indian/Global Products	Regulatory Alignment
SIEM Platform	Log aggregation, correlation, alerting	Microsoft Sentinel, Splunk, IBM QRadar, Securonix, LogRhythm	CERT-In (5-yr retention), RBI, SEBI
Log Management / SOAR	Playbook automation, orchestration	Splunk SOAR, Palo Alto XSOAR, IBM Resilient, Swimlane	CERT-In, RBI, SEBI, CSCRF
Threat Intelligence Platform	IOC feeds, threat actor tracking	Mandiant TI, Recorded Future, MISP, ThreatConnect, CERT-In feeds	CERT-In, NCIIPC, RBI
Managed SOC / MSSP	24x7 monitoring, L1/L2/L3 analysts	Tata Communications TSOC, Wipro GSOC, HCL, IBM MSS	RBI, SEBI, IRDAI, CERT-In
User Behaviour Analytics (UEBA)	Insider threat, anomaly detection	Securonix UEBA, Exabeam, Microsoft Sentinel UEBA	RBI, DPDP, SEBI

NTP / Time Synchronisation	Stratum-1/2 NTP server configuration	chrony, ntpd, Windows NTP, Meinberg NTP appliances	CERT-In (mandatory)
-----------------------------------	--------------------------------------	----------------------------------------------------	---------------------

3.6 Data Security & Privacy

Security Service / Control	Implementation Tools	Indian/Global Products	Regulatory Alignment
Data Classification Engine	Auto-tagging, sensitive data discovery	Microsoft Purview, BigID, Varonis, Spirion	DPDP, RBI, SEBI, CERT-In
Encryption – Data at Rest	AES-256, volume/column encryption	HashiCorp Vault, AWS KMS, Azure Key Vault, Thales HSM	CERT-In, DPDP, RBI, SEBI
Encryption – Data in Transit	TLS 1.2+, mTLS, VPN	Let's Encrypt, Sectigo, DigiCert, OpenSSL, Cisco AnyConnect	CERT-In, RBI, DoT
Database Activity Monitoring	Query-level audit, anomaly, masking	Imperva DAM, IBM Guardium, McAfee DAM	RBI, DPDP, SEBI
Privacy Management / Consent	Consent lifecycle, DPIA, DSR workflow	OneTrust, TrustArc, MineOS, Securiti.ai	DPDP Act 2023, RBI, IRDAI
Data Masking / Tokenisation	Static/dynamic masking, PAN tokenisation	Informatica IDQ, IBM InfoSphere, Thales, Protegrity	DPDP, RBI (payment data), PCI-DSS
Digital Rights Management	Content protection, information barriers	Microsoft Purview AIP, Vera, Sealpath	DPDP, RBI, SEBI

3.7 Cloud & Application Security

Security Service / Control	Implementation Tools	Indian/Global Products	Regulatory Alignment
Cloud Security Posture Mgmt (CSPM)	Misconfiguration detection, compliance	Prisma Cloud, Wiz, Microsoft Defender for Cloud, Lacework	RBI Cloud 2023, SEBI, CERT-In
Cloud Workload Protection (CWPP)	Runtime protection, container security	Aqua Security, Sysdig, Twistlock, CrowdStrike Falcon Cloud	RBI, SEBI, CERT-In
Container & K8s Security	Image scanning, network policy, RBAC	Aqua, Trivy, OPA Gatekeeper, Falco, Snyk	RBI Cloud, CERT-In
API Gateway & Security	Auth, rate-limiting, input validation	AWS API Gateway, Apigee, Kong, MuleSoft, Tyk	DPDP, RBI, SEBI, DoT
DevSecOps / Shift-Left	SAST, DAST, SCA in CI/CD pipeline	Snyk, SonarQube, Checkmarx, GitHub Advanced Security	RBI, SEBI, CERT-In
CASB – Cloud Access Security	Shadow IT discovery, DLP, access control	Microsoft Defender for Cloud Apps, Netskope, Zscaler	RBI, SEBI, IRDAI
MeitY-Empanelled Cloud	Gov workloads on approved CSPs	NIC Cloud, AWS India, Azure India, GCP India, CtrlS	MeitY Cloud Policy, CERT-In

3.8 Incident Response & Business Continuity

Security Service / Control	Implementation Tools	Indian/Global Products	Regulatory Alignment
----------------------------	----------------------	------------------------	----------------------

IR Platform / SOAR	Playbook, ticketing, communication	Palo Alto XSOAR, Splunk SOAR, IBM Resilient, ServiceNow SecOps	CERT-In (6hr), RBI, SEBI (4hr), IRDAI
Digital Forensics & IR	Evidence collection, memory forensics	Magnet AXIOM, Cellebrite, FTK, Volatility, Autopsy	CERT-In, IT Act Sec 65B
Backup & Recovery	Air-gapped, immutable backups, RTO/RPO	Veeam, Commvault, Rubrik, Cohesity, Veritas	RBI, SEBI, IRDAI
BCP / DR Orchestration	Runbook automation, failover testing	Zerto, AWS DRS, Azure Site Recovery, VMware SRM	RBI, SEBI, IRDAI, CERT-In
Crisis Communication	Secure messaging, notification workflows	Everbridge, PagerDuty, Mattermost, Slack (govt-grade)	CERT-In, SEBI, RBI

3.9 Governance, Risk & Compliance (GRC)

Security Service / Control	Implementation Tools	Indian/Global Products	Regulatory Alignment
GRC Platform	Policy mgmt, risk register, controls library	ServiceNow GRC, MetricStream, RSA Archer, SAP GRC	All Regulators
IS Audit Management	CERT-In audit workflow, evidence mgmt	Diligent, Riskconnect, Auditboard, TeamMate+	CERT-In, STQC, RBI, SEBI
Compliance Monitoring	Continuous control monitoring, dashboards	Tugboat Logic, Hyperproof, Vanta, Drata	RBI, SEBI, IRDAI, CERT-In
Third-Party Risk Management	Vendor assessment, scoring, contracts	BitSight, SecurityScorecard, ProcessUnity, OneTrust TPRM	RBI TPRM 2023, CERT-In, SEBI
Policy & Awareness Platform	Policy lifecycle, phishing simulation, LMS	KnowBe4, Proofpoint SAT, Mimecast, Cofense	CERT-In, RBI, SEBI, IRDAI

SECTION 4 — IMPLEMENTATION ROADMAP & COMPLIANCE TIMELINE

Organisations should implement security controls in a phased approach based on regulatory mandates and risk exposure. The roadmap below provides a recommended sequencing aligned with Indian regulatory timelines.

4.1 Phase-wise Implementation Plan

Phase	Timeline	Priority Controls	Regulatory Driver
Phase 1 – Foundation	Month 1–3	CISO appointment, IS Policy, Asset inventory, IAM/MFA, NTP sync, Incident Response Plan	CERT-In 2022, RBI, DPDP Sec 25
Phase 2 – Detection	Month 3–6	SIEM deployment, SOC setup, VAPT cycle 1, Patch management, Log retention (5yr)	CERT-In, RBI IT, SEBI CSCRF
Phase 3 – Data Protection	Month 6–9	Data classification, DLP deployment, Encryption (rest & transit), Consent framework, DPIA	DPDP Act, RBI, SEBI
Phase 4 – Advanced Defense	Month 9–12	PAM, Zero Trust, Cloud CSPM, UEBA, Red Team exercise, Supply Chain assessment	RBI Cloud 2023, SEBI, IRDAI
Phase 5 – Continuous Compliance	Ongoing	Quarterly VAPT, Annual audit, GRC automation, Awareness training, Threat intelligence	All Regulators

4.2 Key Regulatory Deadlines & Reporting Obligations

Obligation	Regulator	Timeline / Frequency	Format / Destination
Cyber Incident Reporting	CERT-In	Within 6 hours of detection	CERT-In portal / email
Data Breach Notification	DPBI (DPDP Act)	Within 72 hours	DPBI portal + Data Principal
Cyber Incident Reporting	RBI (Banks)	Within 6 hours (initial); RBI mandated report within 24 hrs	RBI DAKSH portal
Cyber Incident Reporting	SEBI (MII/Broker)	Within 4 hours; root cause within 21 days	SEBI SCORES / email
Cyber Incident Reporting	IRDAI	Within 6 hours	IRDAI designated email
Cyber Incident Reporting	DoT / Telecom	Within 6 hours	CERT-In + DoT portal
IS Audit Report Submission	SEBI (Stock Exchange)	Half-yearly	SEBI Reporting Portal

IS Audit Report	RBI	Annual (some half-yearly)	RBI / Board / Audit Committee
VAPT Report	CERT-In empanelled	Annual minimum; half-yearly for critical	Internal + Regulator on request
Annual Compliance Report	IRDAI	Annual	IRDAI / Board
Log Retention	CERT-In	5 years minimum	On-premise / MeitY-approved cloud
Log Retention	DoT Telecom Rules 2024	2 years	TSP infrastructure

4.3 CERT-In Empanelment & Audit Requirements

All organisations subject to CERT-In Directions must engage CERT-In empanelled IS auditors for mandatory security audits. Key requirements:

- IS audit must be conducted by empanelled firms listed on cert-in.org.in/empanelled-auditors
- Audit scope: network, application, cloud, physical security, governance review
- Audit cycle: minimum annual; critical sectors every 6 months
- Audit report must be submitted to CERT-In upon request within 6 hours during an incident
- STQC (Standardisation, Testing & Quality Certification) audits required for Govt IT projects under MeitY

4.4 Tool Selection Criteria for Indian Regulatory Compliance

Criterion	Guidance
MeitY Cloud Empanelment	For Government organisations, prefer MeitY-empanelled cloud service providers (NIC, AWS India, Azure India, GCP India, CtrlS, E2E Networks)
Data Residency	Tools must support Indian data centres for log and sensitive data storage per RBI, SEBI, IRDAI, and DPDP requirements
CERT-In Empanelment (Auditors)	Security audit tools must be operated by or in conjunction with CERT-In empanelled auditors for audit validity
BIS / STQC Certification	Prefer products with BIS (IS 17789) or STQC testing certification for government deployments
Local Support & SLA	Critical security tools must have India-based support with documented SLA meeting incident reporting windows
Encryption Standards	Products must support AES-256 (at rest), TLS 1.2+ (in transit), and Indian PKI (DSC/NPKI compatibility)
Audit Trail	All security tools must generate tamper-evident, time-stamped logs exportable to SIEM/CERT-In format
Integration Capability	Tools must integrate with existing SIEM, GRC, and ITSM platforms via API/REST/SYSLOG

4.5 Quick-Reference: India-Specific Security Vendors & Products

Indian/India-Deployed Vendor	Product / Service	Regulatory Use Case
------------------------------	-------------------	---------------------

Cymmetri (India)	Identity & Access Management, PAM	CERT-In, RBI, SEBI – IAM/PAM compliance
Sectona Security (India)	Privileged Access Management	CERT-In, RBI IT Framework – PAM
GTB Technologies (India presence)	Data Loss Prevention	CERT-In, DPDP, RBI – DLP enforcement
Vehere (India)	Network Traffic Analytics / NDR	CERT-In, RBI – SOC monitoring
Indusface (India)	WAF, DAST, Managed AppSec	CERT-In, RBI – Web application protection
Quick Heal / Seqrite (India)	Endpoint Security, UTM, MDM	CERT-In, RBI – Endpoint protection
Tata Communications / TSOC	Managed SOC, DDoS, SD-WAN	CERT-In, RBI, SEBI – MSSP/SOC services
E2E Networks (India)	MeitY-empanelled Cloud	MeitY, RBI Cloud – Govt workloads
NIC Cloud (India)	Government Cloud (GI Cloud)	MeitY mandatory – Central/State Govt apps
CtrlS / Yotta (India)	Tier-IV Datacenter, Cloud	RBI, SEBI, IRDAI – Data residency compliance
Black Box India	IT Security, CERT-In Audit, Network	CERT-In empanelled IS auditor services
STQC Directorate	Third-party IT testing, IS audit	MeitY, Govt IT project security audits
C-DAC (India)	Cryptography, PKI, NPKI, BOSS OS	Govt, NPKI infrastructure, sovereign tech
Authbridge (India)	Identity verification, BGV, KYC	DPDP, RBI KYC, PMLA compliance
Kyndryl India	Managed Security Services, SOC	RBI, SEBI – Large enterprise MSSP

DISCLAIMER: This document is a reference guide based on publicly available Indian regulatory frameworks as of March 2025. Regulatory requirements are subject to change. Always consult the primary circular/directive from the respective regulator and engage legal counsel for compliance decisions. CERT-In, RBI, SEBI, IRDAI, DoT, MeitY circulars are the authoritative sources.