EMSIGNER · AGRI-COMMODITIES · INDIA

A Leading Agri-Commodities Enterprise in India Achieves 80% Faster Invoice Processing with eMudhra emSigner Remote Signing

SECTOR	REGION	SOLUTION
Agri-commodities	India	emSigner

CLIENT OVERVIEW

The organisation is one of the world's largest privately held enterprises, operating a significant India business presence that spans the production, processing, and trading of agricultural commodities and food products. With high-volume transactional activity involving suppliers, distributors, and government entities, the organisation generates a large number of invoices and commercial documents on a continuous basis, all of which require authenticated, legally non-repudiable signatures.

THE CHALLENGE

A very large volume of invoices and other commercial documents were being generated by the organisation on a regular basis across its India operations. The existing manual signing process made the task tedious, costly, and prone to errors, raising serious security concerns for the organisation's brand and financial integrity. Fraudulent attempts to imitate or tamper with invoices and fund-transfer requests represented a real and growing risk.

With the existing infrastructure, the organisation had to rely on hardware tokens or PIN-based signing, which slowed down the process and demanded manual intervention at every stage. The solution was also CAPEX-intensive, requiring a significant upfront investment to build and maintain an in-house digital signing infrastructure. Scalability was an additional concern: the organisation needed a high-availability remote signing service capable of handling multiple concurrent transaction requests with very low latency — without a corresponding increase in internal overhead.

> *"Our existing approach to invoice signing was both operationally inefficient and a latent security risk. We needed a trust service that could guarantee the authenticity, integrity, and legal non-repudiation of every document — without burdening our teams with complex key management infrastructure."*
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> **Head of Finance Technology, India Business**

THE SOLUTION

eMudhra deployed its proprietary Remote Signing Service, integrated via API directly into the organisation's India business applications. Company seals used for signing are stored securely in eMudhra's Hardware Security Modules (HSMs). Only the hash values of invoices and other documents are transmitted to eMudhra's Remote Signing Engine — ensuring that sensitive document content never leaves the organisation's systems, while end-to-end legal non-repudiation is fully guaranteed.

The API-based deployment enabled seamless integration with the organisation's existing enterprise applications, capable of processing high volumes of remote signing transactions without any changes to front-end workflows. Digital Signature Certificates are safely stored and managed by eMudhra within its HSM infrastructure, eliminating the need for the client to procure or maintain any signing hardware.

All digital signatures issued through this service are AATL-approved and natively trusted by Adobe Acrobat, ensuring that signed documents render with verified signatures in standard viewers across the globe. The solution provided tamper-proof documents backed by identity-verified digital signatures, fully compliant with applicable Indian regulations.

From invoice generation to legally signed output, the entire workflow was automated. The organisation achieved 100% digital transformation in its invoice processing cycle with a complete guarantee of legal non-repudiation — and with zero dependency on manual signing processes.

RESULTS

The Remote Signing Service delivered immediate, measurable impact across the organisation's India invoice processing operations, reducing turnaround time dramatically while strengthening document security and compliance.

METRIC	BEFORE	AFTER
Invoice signing turnaround time	Multi-day manual process	Reduced by up to 80%
Signing infrastructure overhead	High — in-house CAPEX hardware tokens	Zero — cloud-managed HSM via eMudhra
Manual intervention in signing	Required at every stage	Fully automated, zero manual steps
Document legal non-repudiation	Partial — hardware token dependent	100% guaranteed via Remote Signing Engine
Adobe/AATL trust compatibility	Not applicable	Natively trusted in Adobe and standard viewers
Scalability	Limited by on-premise capacity	High-availability, low-latency API-based scaling

About eMudhra. eMudhra is a globally trusted provider of digital trust services, offering eSignatures, PKI, Certificate Lifecycle Management, Multi-Factor Authentication and Identity & Access Management solutions. Licensed by the Controller of Certifying Authorities (CCA), India, eMudhra serves 1,000+ enterprises across 40+ countries, helping organisations build secure, compliant and paperless digital ecosystems.

Customer name withheld for confidentiality.