AEROCAST®
DEFENCE SYSTEMS & SOLUTIONS

DEFENCE | SECURITY | AUTOMATION

Shastra AMS®
ARMOURY MANAGEMENT SYSTEM

TRACK | CONTROL | MONITOR | REPORT



Automated Weapon Tracking for a More Secure & Accountable Armoury

- RFID Based Automatic Scanning
- Real-time Weapon Status
- Sub-Unit Wise Control
- Reports & Audit Trail
- Higher Security & Accountability

Hardware OEM, Marketing & Deployment
AEROCAST®

Automation & App Partner
Good Frog Studios®

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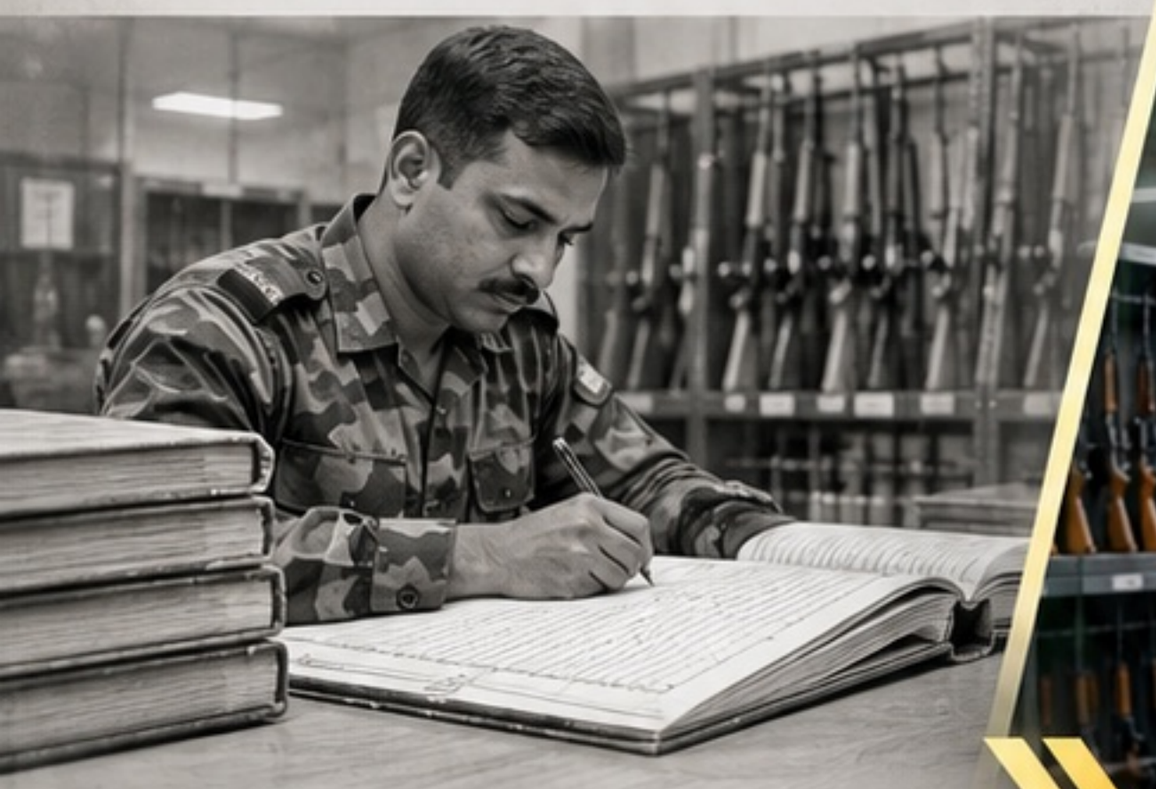
Shastra AMS®
ARMOURY MANAGEMENT SYSTEM

From Manual Registers to Real-Time Control

A Modern, Automated Solution for Armoury Operations

THE CHALLENGE

Issues in Conventional Armoury Management



- Manual registers are time-consuming and prone to errors.
- No real-time visibility of weapon availability.
- High dependence on staff for issue and return tracking.
- Audits and movement tracing take significant time.
- Managing multiple sub-units is complex.
- Reissue, change of holder and exception handling is tedious.

THE SOLUTION

Shastra AMS

RFID-BASED AUTOMATED ARMOURY MANAGEMENT



Automatic IN/OUT Recording
Weapons are detected and recorded as personnel pass through the gate.

Live Weapon Status
Real-time view of which weapons are inside or outside.

Sub-Unit Wise Control
Manage and monitor weapons for all sub-units separately.

Instant Reports & Audit Trail
Movement history, holding, issue/return and custom reports.

Higher Security & Accountability
Accurate, traceable and tamper-resistant records.

- Saves Time
- Increases Accuracy
- Reduces Manual Work
- Better Control
- Full Visibility
- Strengthens Operational Readiness

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Shastra AMS®
ARMOURY MANAGEMENT SYSTEM

How Shastra AMS Works

A Simple, Automated Process for Complete Weapon Accountability



THE PROCESS

From Registration to Real-Time Tracking

1 Register & Tag



Each weapon is issued a durable RFID tag with a unique ID.

2 Create Records



Weapon, soldier and sub-unit details are registered in the system.

3 Pass Through Gate



Soldier moves through the RFID gate with weapon(s).

4 Automatic IN/OUT



System automatically records IN or OUT movement.

5 Live Update & Reports



Weapon availability, movement history and reports update instantly.



Weapon Registration & Enrolment

Quick and simple registration of new weapons, RFID tags and soldier assignment.

RFID Weapon Tags

Rugged, durable tags for all types of weapons.



Standard Tag (Rifles / LMG)	Compact Tag (Pistols)	Heavy Duty Tag (Special Weapons)	ID Tag (Equipment / Cases)

Shastra AMS Software

Real-Time Visibility & Complete Control



Store Page
IN/OUT movement & live activity



Butt Map (Visual Stock)
At-a-glance view of all weapons (IN – Green, OUT – Red)



Stock Summary
Total strength, in-store and out-of-store with unit/sub-unit filters

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Shastra AMS®
ARMOURY MANAGEMENT SYSTEM

Robust, Secure & Always Operational

Built for Defence Environments – Reliable, Offline and Long-Running



Built on UNIX Architecture
- ✔ Stable & Robust
- ✔ High Security
- ✔ Defence Grade

Fully Offline & Secure Application
- ✔ No Internet Required
- ✔ Complete Data Control
- ✔ Tamper Resistant

Built-in Cooling System
- ✔ Efficient Air-Cooling
- ✔ Designed for 24×7 Use
- ✔ Stable in Harsh Conditions

Power Backup of 6 Hours
- ✔ Uninterrupted Operation
- ✔ Auto Switch-over
- ✔ Data Always Safe

Runs 24 × 7 Continuously
- ✔ Always On
- ✔ High Reliability
- ✔ Low Maintenance

Available on Multiple Platforms

- **macOS** (Apple Mact)
- **Windows** (Office / Control Room)
- **tvOS** (Large Display / Armoury)

Multiple Colour Options
(Same Robust Design)



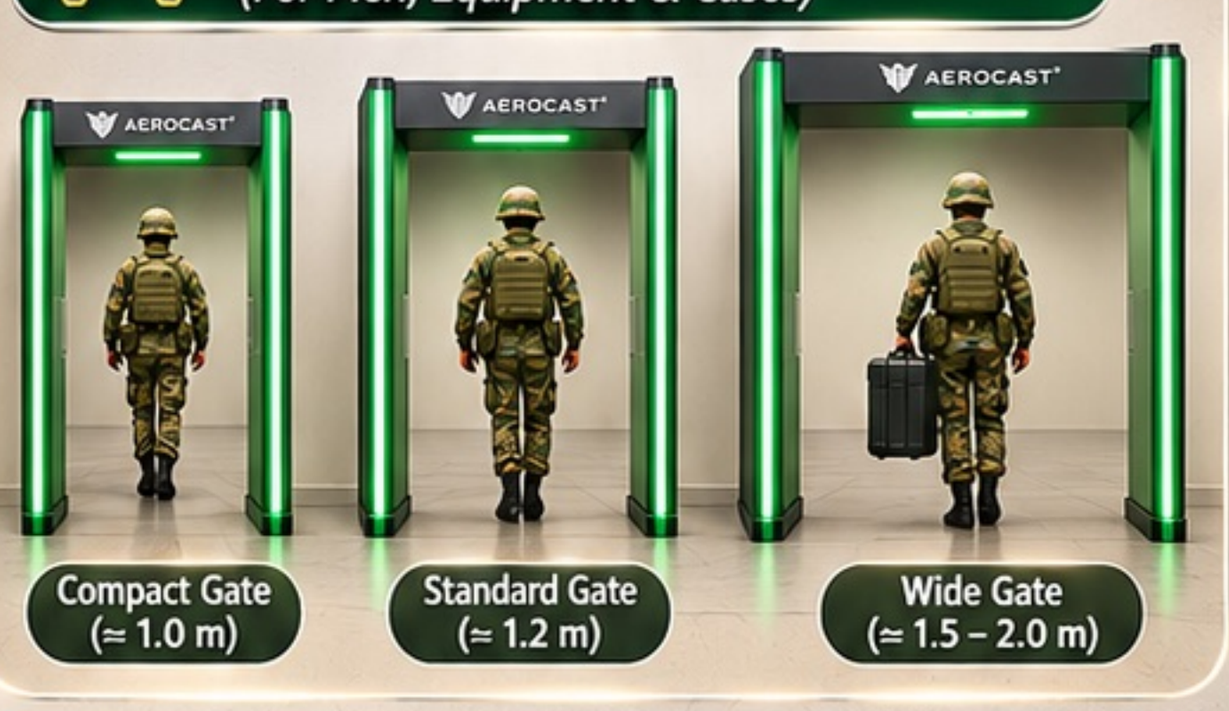
Light Grey (Recommended) | Dark Grey | Brown Grey | Olive Drab Green | Sand Beige | Black

Multiple Screen Size Options
(IDT Kiosk & Terminals)



21” | 24” | 27” (Standard) | 32”

RFID Gate Options in Different Sizes
(For Men, Equipment & Cases)



Compact Gate (≃ 1.0 m) | Standard Gate (≃ 1.2 m) | Wide Gate (≃ 1.5 – 2.0 m)

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ARMOURY MANAGEMENT SYSTEM

Deployment Options

Flexible Configurations to Suit Unit Requirements

OPTION 1 One Gate Setup

Ideal for Compact Spaces



- Single RFID gate for both IN and OUT movements.
- Direction is detected using Infrared **Beam Breaker** sensors.
- Cost-effective, space-saving and easy to deploy.

ONE GATE – BI-DIRECTIONAL



Infrared Beam Breaker
(Direction Detection)

OPTION 2 Two Gate Setup

Ideal for High Movement & Larger Units



- Dedicated IN gate and OUT gate for clear and faster movement.
- Ideal for higher traffic and multiple sub-units.
- Improves efficiency and operational flow.

TWO GATE – DEDICATED FLOW



KEY BENEFITS

- Faster Movement
- Higher Accuracy
- Flexible Deployment
- Scalable for Multiple Sub-Units
- Low Maintenance & Reliable Operation

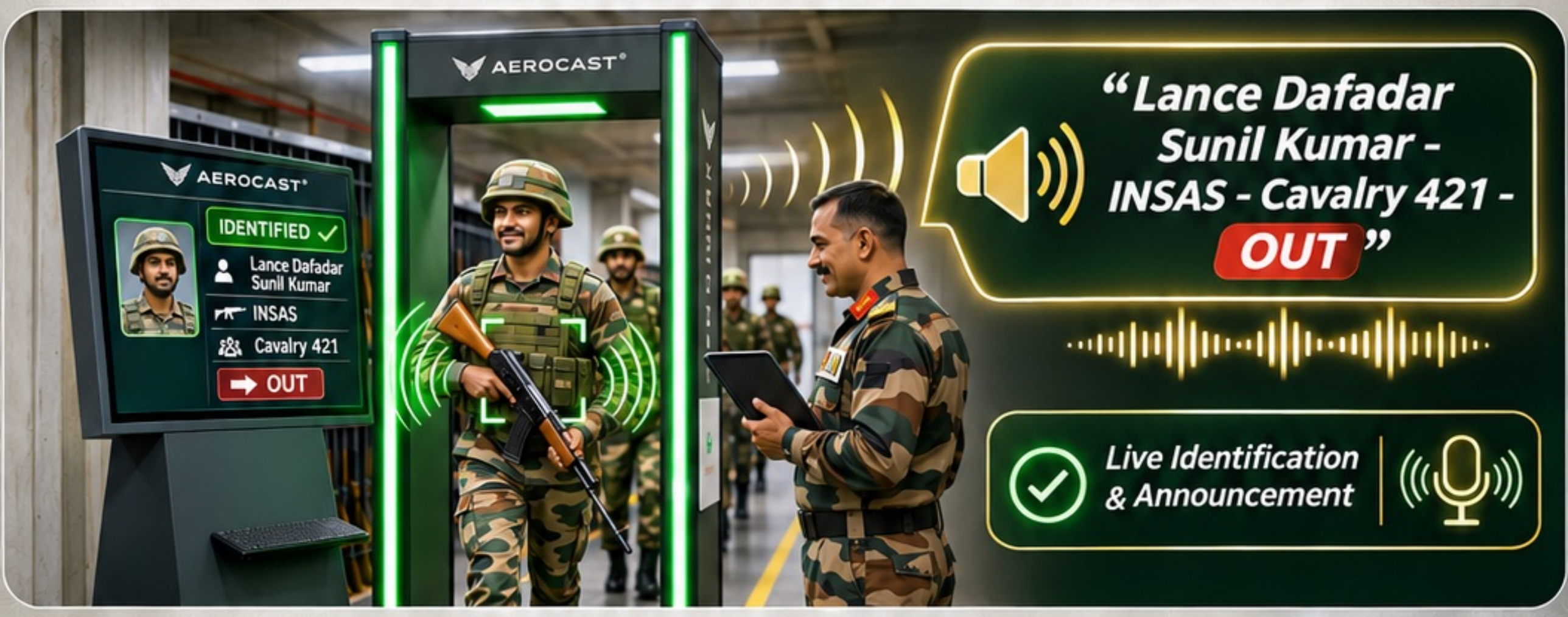


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Shastra AMS®
ARMOURY MANAGEMENT SYSTEM

Live Identification & Voice Announcements

As each soldier passes through the gate, Shastra AMS identifies the movement instantly and announces key details clearly.



- Announces Soldier Name
- Announces Weapon Name
- Announces Sub-Unit
- Displays IN / OUT Direction
- Visual + Voice Confirmation

What happens at the gate

STEP 1



Soldier approaches gate with weapon.

STEP 2



RFID system detects the tagged weapon automatically.

STEP 3



Screen displays soldier, weapon and sub-unit details.

STEP 4



System announces the details loudly and records IN or OUT movement.

BENEFITS FOR OFFICERS & ARMOURY STAFF

- Faster Verification
- Fewer Mistakes
- Real-Time Awareness
- Better Accountability



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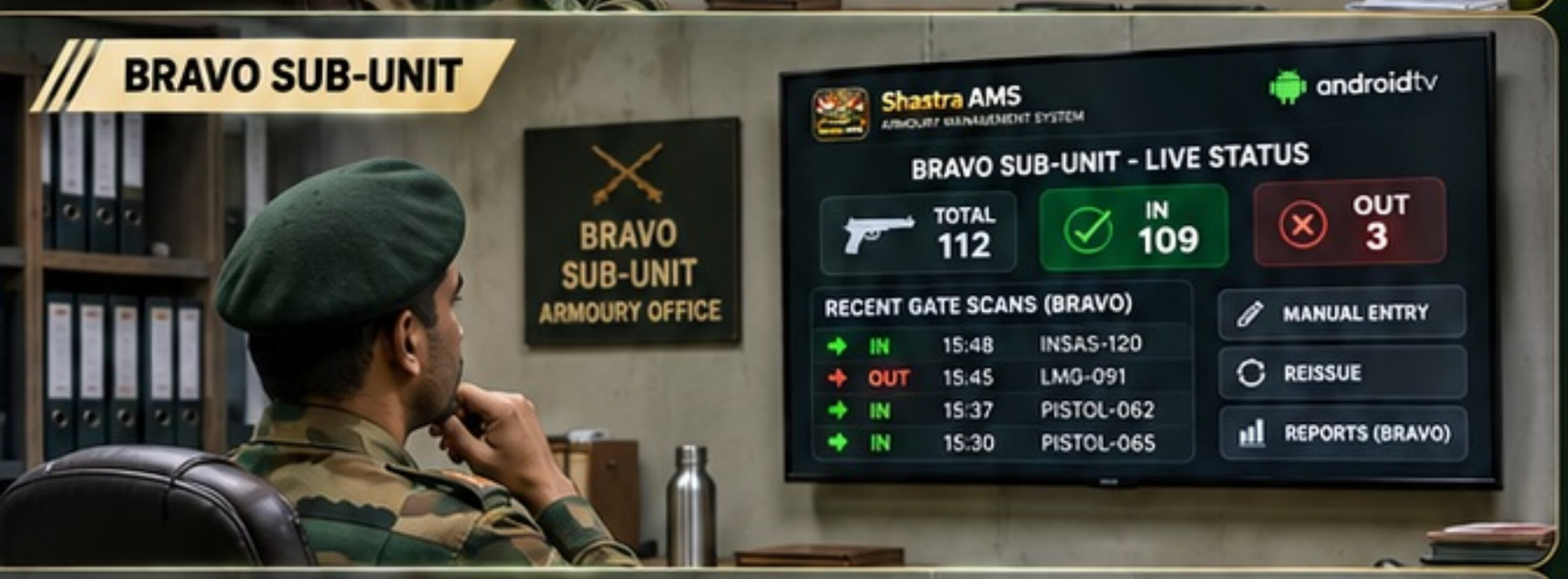
Sub-Unit Monitoring on Android TV

Each sub-unit can view and control its own live weapon status from a dedicated display.

ALPHA SUB-UNIT



BRAVO SUB-UNIT



CHARLIE SUB-UNIT



WHAT EACH SUB-UNIT CAN DO

- View own sub-unit status
- See recent gate scans
- Know which guns are IN / OUT
- Do manual entries using TV remote
- Monitor in real time without calling the central armoury

Shastra AMS
CENTRAL SYSTEM
(ALL SUB-UNITS)

- ALPHA TV (Alpha Only)
- BRAVO TV (Bravo Only)
- CHARLIE TV (Charlie Only)

HOW IT HELPS

1. Officer opens his sub-unit TV.
2. System shows only his sub-unit status.
3. He checks current weapon availability and movement.
4. He can make authorized manual entries with the remote.









- Customized Android TV App
- Sub-Unit Wise Visibility
- Remote-Based Manual Control
- Real-Time Gate Updates
- Less Dependence on Central Enquiry



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Shastra AMS®
ARMOURY MANAGEMENT SYSTEM

Intelligent, Connected & Easy to Operate

Real-Time Identification, Sub-Unit Control & Quick Reissue

1 Automatic Soldier Announcements

Real-Time, Voice-Based Identification at the Gate



"Soldier Rfn. Arjun Singh, INSAS Rifle, Bravo Company."

- Identifies Soldier
- Announces Weapon
- Announces Sub-Unit

2 Sub-Unit Control for KOT Officers

Each KOT Views & Controls Only Their Sub-Unit



- **Sub-Unit Wise Dashboard** *(Only own sub-unit)*
- **TV Remote Control** *(Simple & Familiar)*
- **Live Stock & Issue Status** *(Real-time)*
- **Manage Issue, Return & Reissue**



3 Quick & Easy Weapon Reissue

Reassign a Weapon to Another Soldier in Just a Few Steps



- **Fast & Paperless Reissue**
- **Controlled & Auditable**
- **Any Authorised Soldier Can Reissue (IDT)**
- **Or Reissue from KOT TV**
- **Ensures Accountability & Traceability**

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DEFENCE SYSTEMS & SOLUTIONS

Shastra AMS®
ARMOURY MANAGEMENT SYSTEM

One Gate, Multiple Sub-Units

Independent Records & Reports – Plus a Combined View



A Single Gate Records Movements for All Sub-Units

All Transactions Captured at the Gate | Automatically Sorted by Sub-Unit | Independent & Combined Reports

Independent Reports (Sub-Unit Wise)

Each Sub-Unit Sees Only Its Own Data



α ALPHA (Light Infantry) | B BRAVO (Air Assault) | C CHARLIE (Mechanized) | HQ HEADQUARTER (Command & Control)

Combined Report (All Sub-Units)

Full Picture Across the Unit / Formation



- Multiple Sub-Units on the Same Gate ✓
- Separate, Secure Sub-Unit Databases ✓
- Independent Reports for Each Sub-Unit ✓
- Combined Report (All Sub-Units) ✓
- Print / Export (Sub-Unit Wise or Combined) ✓

AEROCAST | **Shastra AMS**
ARMOURY MANAGEMENT SYSTEM

Reports, Printing & Review

Generate clear records, print them instantly, and review armoury data with confidence.

1 Generate Reports



- Sub-unit wise reports
- Issue / return history
- Current stock visibility
- Export in PDF / CSV

2 Print Instantly



- One-click print
- A4-ready format
- Clean tabular layout
- Quick hard-copy availability

3 Review & Verify



Helps in audit, verification, and command oversight.

- Easy to understand
- Audit-ready records
- Command-level review
- Better accountability

Detailed Reports | **Printable A4 Sheets** | **Spreadsheet-Style Clarity** | **CSV / PDF Export** | **Audit Ready**

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ARMOURY MANAGEMENT SYSTEM





Live Visual Weapon Availability

The Shastra AMS butt map gives officers an instant visual view of which weapons are inside and which are out.

For Installation Enquiries Contact AeroCast

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