



INTEGRATED MULTI-PLANT OPERATIONS

5 Plants. 3 GSTINs. One Operations Brain.

ShivAI Manufacturer Inventory Planner + Finance Planner integrated — Multi-Plant Inventory Planner (12 analytics modules, cross-plant view, PO generator with GST) + Multi-Entity Finance Planner (10 financial modules per entity, intercompany transfers, Tally XML export). MRP planned orders flow into cash flow forecasts across entities. Inventory valuations flow into working capital per plant. One integrated platform for manufacturing groups.

THE MULTI-PLANT INTEGRATION PROBLEM

Each Plant Plans Alone. Finance Consolidates Too Late.

5 Plants x Separate MRP x Separate Finance

Each plant runs its own material plan. Each entity does its own finance close. Nobody sees the consolidated cash position until 3 weeks after month-end.

Intercompany Transfers: Ghost Inventory

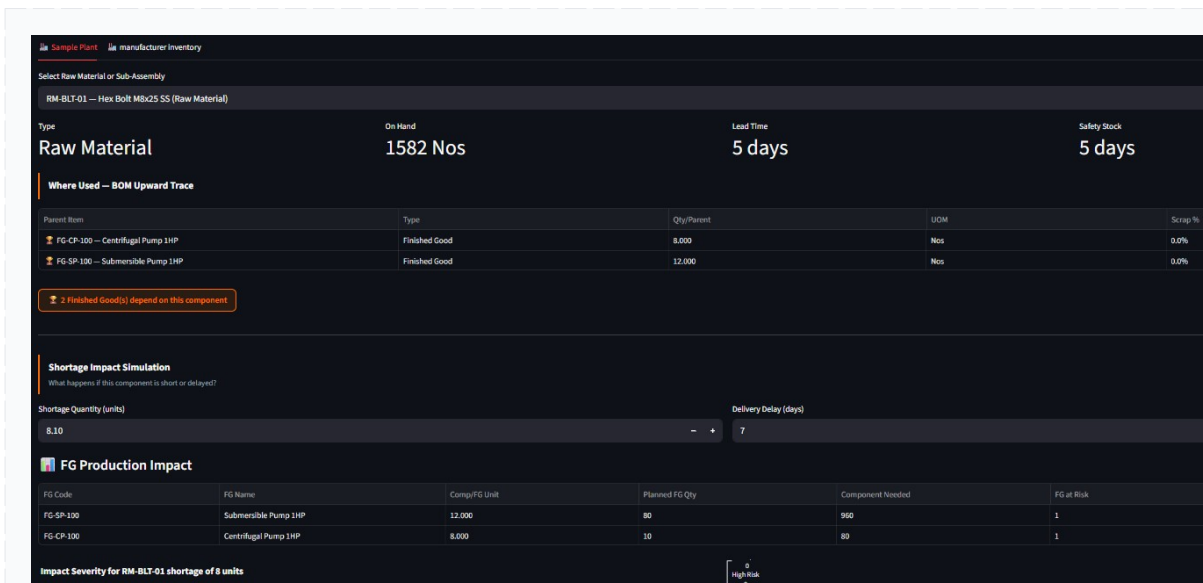
Plant A ships to Plant B at transfer price. MRP in Plant A reduces stock. Finance in Plant B hasn't booked receipt. Working capital numbers are fiction for 2 weeks.

4 ENGINES + 12 ANALYTICS MODULES

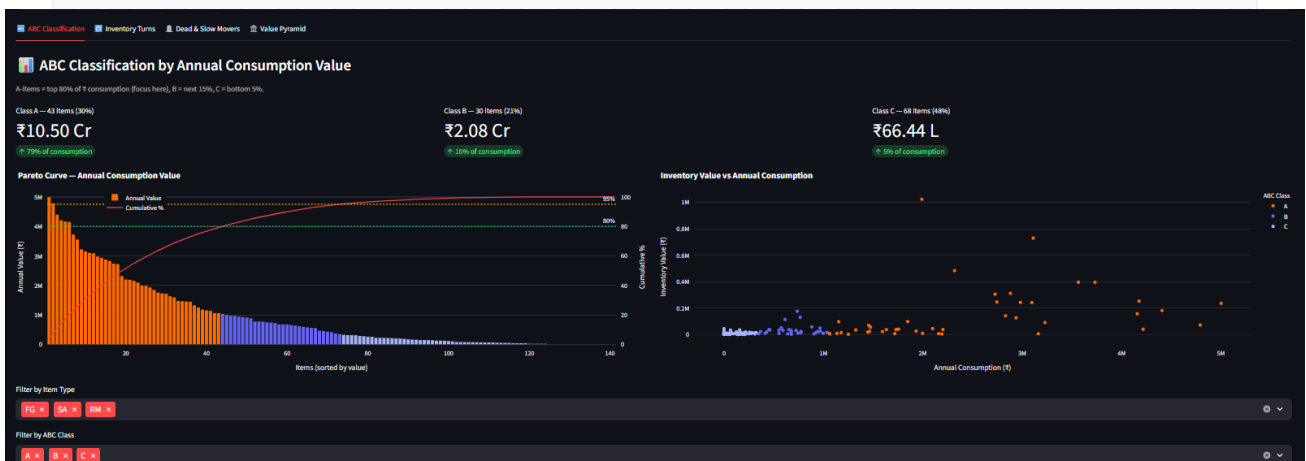
4 core engines (MRP, BOM, Capacity, AI Forecasting) plus: Dashboard, Production Gantt, PO Generator (GST-compliant), Where-Used Dashboard, Scenario Planner, Load Levelling, Scrap/Yield, Cumulative Lead Time, Cost Rollup, Material Availability Check, Exception Dashboard, Inventory Analytics, Cross-Plant View.

10 FINANCIAL MODULES x PER ENTITY

10 modules (Credit Risk, Payment Optimization, Profitability, Ratios, Working Capital, AR/AP, GST Health, Compliance Calendar, Cash Flow, Bank Recon) now scoped per company. Plus: intercompany transfer tracking with transfer pricing, Tally XML exporter (6 voucher types), GST bulk transaction ingest.



Production Impact severity of Shortages and delivery delays



Inventory value across plants - ABC Classification, Inventory turns, Dead & Slow movers, Value pyramid



What Multi-plant Integration Gives You Beyond Standalone

Cross-Plant MRP → Consolidated Cash Forecast Planned POs from all plants aggregate into a group-level cash outflow forecast. CFO sees total capital requirement across entities.

Intercompany Transfers → Margin Elimination Stock movements between entities tracked with transfer pricing. Finance automatically has data for consolidation adjustments.

PO Generator + GST Engine = Per-Entity Compliance MRP v2 generates POs per plant. MFP v2 handles GST per GSTIN. Each entity's compliance tracked independently.

Cost Rollup → Entity Profitability MIP v2 Cost Rollup gives standard cost per FG per plant. MFP v2 maps to selling prices for per-entity margin analysis.

Exception Dashboard → Financial Prioritization MIP v2 exceptions (stockouts, overloads) flow into MFP v2 cash flow impact. Critical exception = cash impact quantified.

INVENTORY INTELLIGENCE

Complete Inventory Analysis: ABC Classifications. Inventory turns. Dead & Slow movers. Value pyramid. Material availability. Cost Rollup. Scrap & Yield Analysis. Exception dashboard based on Inventory & Production data. Build What-if scenarios.



Exception Dashboard — Run these modules for complete exception coverage: MRP: ✓ | Capacity: ✓ | Forecast: ✓



Cost Rollup — to redefine product price using current labor, material and overhead costs

THE BUSINESS CASE

16+ Analytics + Finance modules	Rs.15L+ Annual savings multi-plant	2 Weeks Month-end close reduction	100% Per-entity GST compliance
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WHO IT'S FOR

Mfg Groups Rs.100-500 Cr. 2-10 plants. Multiple GSTINs.	CFO + Plant Heads Consolidated planning + per-entity financial control.	Group Finance Intercompany elimination. Cross-entity compliance. Group cash flow.	Growing Manufacturers Scaling from 1 to 3+ plants. Need systems that scale with them.
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