05 - Reconciliation & Reporting

# 📊 Purpose

Enable HQ to validate and reconcile daily operations from each shop, comparing reported values vs actual entries:  
- Ensure Z-Report totals match posted Sales Invoices  
- Detect missing or over-reported entries  
- Cross-verify stock quantities across Inventory Summary

# 🧾 Z-Report Reconciliation

Create a Script Report comparing:  
- Total Sales in Shop Daily Summary  
- Sum of Sales Invoice amounts from same shop/date  
  
Example Filters:  
- Shop ID  
- Posting Date  
- Discrepancy > Threshold  
  
Result Columns:  
- Shop  
- Posting Date  
- Reported Sales  
- Actual Sales  
- Variance  
- Status: OK / Warning / Mismatch

# 📦 Inventory Summary Report

Compare:  
- Quantities in Shop-submitted Inventory Summary  
- ERPNext Warehouse actual stock for same shop  
  
Use child table comparisons:  
- Show delta in quantity per item  
- Flag items that went out-of-stock unexpectedly

# 🛠️ Example SQL for Reconciliation

SELECT  
 s.shop\_id,  
 s.posting\_date,  
 s.total\_sales AS reported\_total,  
 COALESCE(SUM(i.base\_grand\_total), 0) AS actual\_total,  
 (s.total\_sales - COALESCE(SUM(i.base\_grand\_total), 0)) AS variance  
FROM `tabShop Daily Summary` s  
LEFT JOIN `tabSales Invoice` i  
 ON i.shop\_id = s.shop\_id AND i.posting\_date = s.posting\_date  
WHERE s.posting\_date = CURDATE()  
GROUP BY s.shop\_id, s.posting\_date;

# 🕓 Shift-Based Z-Reports

Extend `Shop Daily Summary` Doctype to include:  
- shift: Select field (Morning, Evening, Night)  
- shift\_start\_time / shift\_end\_time  
Allows more granular reporting per team or working hours.