Complete Explanation of Both Excel Files

Excel 1: Machine Utilisation Plan
Purpose: To understand whether available machines and working hours are sufficient to meet planned production.

Schedule vs Resource Sheet
Planned Quantity: Total units planned to produce.
Cycle Time: Time required to produce one unit.
Planned Hours = Planned Quantity × Cycle Time.
Available Machines: Number of machines in working condition.
Shift Hours: Working hours per machine per shift.
Available Hours = Available Machines × Shift Hours.
Balance = Available Hours – Planned Hours.

Machine Availability Sheet
Total Machines: Installed machines.
Running Machines: Currently operating.
Breakdown Machines: Machines under repair.
Idle Machines: Machines not in use.
Utilisation % = (Running Machines / Total Machines) × 100.

Excel 2: Daily Progress Synthesis
Purpose: To track actual production vs planned production daily.

Octa / Hexa Sheets
Order Quantity: Total order size.
Planned Qty (Today): Target for the day.
Produced Qty: Actual output.
Balance Qty = Order Qty – Produced Qty.
Achievement % = (Produced Qty / Planned Qty) × 100.

Daily Progress Sheet
Total Planned: Sum of all line plans.
Total Produced: Sum of all actual outputs.
Efficiency % = (Total Produced / Total Planned) × 100.

Compatibility Report
Shows which product can run on which machine to avoid mismatch.

Dispatch Details
Dispatched Qty: Shipped quantity.
Pending Qty = Produced Qty – Dispatched Qty.

Overall Flow
Machine Utilisation → Production Feasibility
Daily Progress → Execution Tracking
Compatibility → Machine Assignment
Dispatch → Shipment Readiness