

System ERP – Spinning Automation System - Functional Specification

Sales

- Sales Enquiry & Quotation
- Sales Order
- Delivery Order
- Sales Invoice (yarn, waste, machine)
- **MIS** Sales reports with respect to party, counts & sales-type
- Sales summary
- Daily Transaction register
- Credit Control

Purchase

RM :

- Purchase order
- Raw material arrival
- Inspection & quality
- Issues to mixing
- Purchase Invoice
- emails & prints

MIS :

- All purchase registers, Market committee reports
- SICA reports
- QC pass reports
- Supplier info report
- Pending purchase report

Stores :

- Purchase Indent
- Purchase Order
- GRN
- Purchase quote
- Pre-closures
- Returns
- Vendor rating and purchase invoice
- **MIS** All registers & reports

Inventory (RM & FG)

- Lot bale generation
- Mixing issue creation
- Usable & saleable waste
- Multiple warehouses
- Stock summary in terms of cones, Counts, Bags, Bales, Godowns & etc.
- Addition & deduction
- **MIS** Purchase & inspection reports
- Stock summary w.r.t lot & waste
- Variety-wise lot-wise stock in terms of borahs/bales
- Mixing issues report
- Raw material inward/outward report
- Packing register
- comprehensive waste report
- Availability of yarn and rm in terms of bags&cones and varieties respectively

Stores (Maintenance)

- Spare request
- Spare issues & receipts
- Stock transfers & adjustments **MIS** Stock summary group-wise and category-wise
- Re-order reports
- Item wise movement register and reports

Plant Maintenance

- Machine Master
- BOM
- Schedule, Non schedule & routine services
- Service masters
- Spares & labor consumption
- Alerts & Controls **MIS** Break-down reports w.r.t., Departments, machines and reason codes
- Machine uptime and downtime, MTTR & MTBR

Energy Management

- Various energy resources
- Power consumption analysis w.r.t machines, Plants, Departments & shifts
- Energy transmission loss **MIS** All registers & reports

HR & Payroll

- Employee master with category & group
- Attendance & time-office
- OT
- Leave management
- Payroll & wages
- Roles & responsibilities
- Task management
- Incentives & Statutory
- Tally integration **MIS** All registers & reports

Canteen & Miscellaneous

- Purchase
- Issues to workers
- Attendance
- Auto deductions based on consumption
- Material Purchase
- Kitchen Issues and Receipts
- Hostel Stores
- Canteen cost
- **MIS** All registers & reports

Production

- Produce-to-stock
- Pre-defined count master with hank & tolerance values, Pre-defined packing master
- Pre-defined waste master
- Blowroom to Carding to Sliver lap to Ribbon lap to Comber to Drawing to Simplex to Spinning to Cone winding to Packing transactions with respect to shifts, Machines, employees & stoppage
- Count change
- Hands involved, Shift variations
- Wastage at each stage
- Quality Assurance & reports
- Single machine to multiple employee and vice versa
- incentives based on overtime; wastage and efficiency; auto generation of bag nos

MIS :

- Mixing Report
- Production performance in terms of utilization & efficiency
- Expected Vs actual production w.r.t departments, Machines, Frames, Shifts, Hands, Mix/lot code and wastage
- Yarn realization
- UKG
- GPS
- RF Performance
- 40's converted production analysis
- HOK report
- Stoppage Report
- Usable waste%
- Yarn realization

Fixed Assets Management

- Purchase of capital goods
 - machine number & position
 - Maintenance
 - Insurance
 - Custodian
 - Physical check
 - Depreciation
 - Disposal sale
 - Fixed asset register
 - Asset Tracking **MIS** Depreciation Statements
 - All registers & reports
- #### Tally Integration (Finance)
- Sales & Sales returns
 - Purchase & Purchase returns and Closing stock
 - Auto or Manual
 - Logbook