



System Analysis & Resouce Planning(SARP)ERP Suite.

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COSMOSOFT BUSINESS SOLUTIONS-ABOUT US

Cosmosoft Business Solutions (Pvt.) Ltd, operating since 1997, is an ERP Software Systems design and Implementation IT firm based in Lahore, Pakistan. With over 200+ companies and over 40+ types of industries, our **SARP ERP Suite** is an industry customized ERP System designed for your organization. We feel product to present you our Technology Automations Systems and Applications that have promising cost reduction, business cycle improvements, and effective and efficient business resources utilization and get your all business insight on just one click on your Smartphones, tablet PCs and Laptops.

Our Major ERP Domains include;

- 1. SARP Sugar ERP Suite
- 2. SARP ERP System
- 3. SARP Feed ERP Suite
- 4. SARP Point of Sales(POS) Management
- 5. Android Sales Orders Management System

6. Android GPS based OD Employees Attendance & Real-time Tracking

Our ERP Suites are successfully implemented in manufacturing industries (textile manufacturing, sugar manufacturing, packages manufacturing, pharmaceuticals, engineering design, Fabrication & Construction, board & paper manufacturing), services rendering and trading companies.

Key System Strengths

- Multi-Companies, Locations, Stores & Sales Points Integration & Connectivity in Single ERP Structure.
- □ Online reports, approvals.
- Data Synchronization for Internet Interruption companies locations.
- **D** Existing data transformation
- Different Scope of Companies, e.g. Manufacturing, Services, and Trading centralized ERP functionality.
- □ Client/Server Environment for Live Connectivity
- Users audit logs
- □ Emails & SMS integration
- **Customizable reporting.**
- □ Highly Scalable and Flexible for all types of Industries.
- □ Management Information System Dashboards Accessibility on tablets, mobiles etc.
- □ SMS reports

OUR CLIENTAGE

Sugar Manufacturing

Chashma Sugar Mills Ltd. (Unit I)

Chashma Sugar Mills Ltd. (Unit II)

Madina Sugar Mills (Pvt.) Ltd.

Premier Sugar Mills & Distillery Co. Ltd.

JK Sugar Mills Ltd. (Unit 1 & 2)

Huda Sugar Mills Ltd.

Ashraf Sugar Mills Ltd.

Popular Sugar Mills Ltd.

Sindh Abadgar's Sugar Mills Ltd.

SGM Sugar Mills Ltd.

Jauharabad Sugar Mills Ltd.

Pasrur Sugar Mills (Pvt.) Ltd.

Alman Seyyam Sugar Mills Ltd.

Brother sugar Mills Ltd.

Rasool Nawaz Sugar Mills Ltd.

Chaudhry Sugar Mills Ltd.

Noon Sugar Mills Ltd.

Two Star Industries (Pvt.) Ltd.

Engineering & Construction Industry

ZKB Engineers & Constructors

Dynamic Group of Companies

- Fauz Engineering Ltd.
- DEC Pvt. Ltd.
- DEC Green (Pvt.) Ltd.
- Dynamic Bay (Private) Limited
- AUGUT Technologies (Pvt.) Limited

Microtech industries (Pvt.) Ltd.

AJC Group of Companies

- AJC Engineering (Pvt.) Ltd.
- AJ Corporation

LAC & Faatir group of Companies

- LAC Private Limited.
- Faatir Engineers (Pvt.) Ltd.

Etihad Power Generation Limited.

Al-Hamd General Engineering Services

Nexus Builders

Hudabiya Engineering Mills (Pvt.) Ltd.

Jiacco Pakistan (Pvt.) Ltd.

MCC Ruba International Construction (Pvt.) Ltd.

Dominar Engineers (Pvt.) Ltd.

GRIT Power (Pvt.) Ltd.

Fabcon Design and Engineering (Pvt.) Ltd.

Zoomlion Pakistan (Pvt.) Ltd.

Global Technologies (Pvt.) Ltd.

Strong Ready Mix

Layyah Construction Group

Poultry | Feed | Rice Mills

SS Feed Mills (Pvt.) Ltd. Sawera Feed Mills (Pvt.) Ltd. K.B Feeds (Pvt.) ltd. Al-Khalifa Foods (Pvt.) Ltd. Budget Chicken (Pvt.) Ltd. Sharif Poultry Farms (Pvt.) Ltd. Reem Rice Mills (Pvt.) Ltd.

Foods | Beverages | Hoteling

ATA Bakery Solutions (Pvt.) Ltd. Faisalabad Oil Refinery (Pvt.) Ltd. Hamza Foods (Pvt.) Ltd. (Simply Sufi) SS Oil Mills Limited. Cakes & Bakes **International Trading House Shelton Bakers & Sweets Baba Sweets & Bakery Solutions Textile Industry Standard Spinning Mills Ltd. Babri Cotton Mills Ltd.** Bannu Woolen Mills Ltd. Reshma Textiles Industries Ltd. Mehra Ramzan Textile Mills Ltd. **Al-Habib Fabrics** Ihsan Sons (Pvt.) Ltd.

Ihsan Cotton Products Ltd.



Printing & Packaging

Dot Print (Pvt.) Ltd.

Syntronics Limited.

New Kings Packages (Pvt.) Ltd.

Buraq Polyfabrics (Pvt.) Ltd.

WellPack Printing & Packaging (Pvt.) Ltd.

Pure Poly (Pvt.) Ltd.

EPS Packages (Pvt.) Ltd.

JW Packages (Pvt.) Ltd.

Powerpack Solutions (Pvt.) Ltd.

Teknora Polymer Industries (Pvt.) Ltd.

Pharmaceuticals & Healthcare

Medi Urge (Pvt.) Ltd.

Synchro Pharmaceuticals (Pvt.) Ltd.

Albro Pharmaceuticals (Pvt.) Ltd. Cables & Wires, PIPES Manufacturing

Excel Cables (Pvt.) Ltd.

Eithad Alloys (Pvt.) Ltd.

Madina Steel Mills

GR Pipe Industries (Pvt.) Ltd.

HQ Steel Industries

Marketing & Advertisements

Pronto Promo (Pvt.) Ltd.

Services Industry

Pakistan Cricket Board (PCB)

Flour Manufacturing

Kamal Zamindar Flour & General Mills (Pvt.) Ltd.

Al-Barka Flour Mills (Pvt.) Ltd.

Auto Parts Manufacturing

Dysin Automobiles (Pvt.) Ltd.

AJR Metal Fabricators (Pvt.) Ltd.

Paints, Dyes & Chemicals

United Ethanol Industries Ltd.

Chashma Ethanol Industries

Beta Chemicals (Pvt.) Ltd.

Premier Industrial Chemicals (Pvt.) Ltd.

Feroz Chemicals Corporation

GR Powder Coating Industries

BANK & FINANCIAL INSTITUTIONS

Popular Islamic Modaraba

POINT OF SALES

Bread & Beyond

Bannu Woolen Fabrics

Simply Sufi

Baba Sweets & Bakery

SARP SUGAR ERP SUITE 6.2

System Analysis & Resource Planning (SARP) Sugar suite is a customized ERP System designed for Sugar Manufacturing industry. Today, we feel product that because of SARP Sugar ERP Suite, now Pakistan Sugar manufacturing industry is not left behind in Technology automation. SARP Sugar ERP Modules are listed below,

SARP Sugar ERP Modules

- 1. EagleEye GPS based Survey Management System
- 2. Automated Cane Indenting through Electronics Surveys
- 3. Vehicle tracking System (Loading Points Management)
- 4. Sugarcane procurement Management
- 5. Camera & LCD screens Integration at Weighbridge
- 6. Depots Purchase Management System (Android)
- 7. Sugarcane Accounting
- 8. Loans & Markups Management
- 9. Sugarcane Costing
- 10. Automated Laboratory management and Cane Sampling
- 11. SMS Integration & reports
- 12. Sugar Management Information System Dashboards
- 13. Store Purchase Management
- 14. Gate Pass & Inventory Management
- 15. Payables Management
- 16. General Ledger Financials, Cash & Bank, Taxation Management
- 17. Sugar Sales Management
- 18. Receivables Management
- **19.** Fixed Assets Register (FAR)
- 20. HR, Biometric Time Office & Payroll Management



SARP SUGAR ERP SUITE- KEY FEATURES

1. EagleEye Survey Management System

- EagleEye Survey Management is an Android application for Sugarcane electronic surveys through smartphone.
- Area Measurement for square, rectangular, hexagonal and polygonal shape complex areas through multi-coordinate points
- Area Overlapping
- Surveyors tracking
- Surveyors Attendance with geo-fencing
- Offline surveys management
- Sugarcane Survey Dashboards for Management
- Mac Address implemented security & users authentications
- Zones, Circles, Villages, Passbooks, Sugarcane Varieties & ratoon crops management
- Cane survey varieties and actual yields comparisons
- Compatibility with Google Android smartphones Operating System
- Surveyors Survey targets
- Android App password protection
- Circle, Variety Wise sugarcane Surveys detail
- Sector, Village & Growers wise cane surveys detail & Summary reports.
- Integrated with cane indenting & Procurement Module.

2. Automated Cane Indenting through Electronics Surveys

- Calculation of Indents to be issued to growers through calculated Survey area from Survey management system.
- Automated Cane indents printing through system
- Indent print authorization
- Multiple date wise indents printing through the system

3. Vehicle tracking Management System

- An Android Smartphones Operating systems application for vehicles indenting at Loading Points & Depots and acceptance/rejection at gate arrival.
- Loading points registration
- Vehicles registration, indenting & Snapshots at loading point & depots with GPS coordinates.
- Offline Vehicle registration for internet interrupted Points.



- Users authentications & highest level of security features
- Vehicle snapshots capturing allowed only in defined LP/depot coordinates
- Vehicle Snapshots for comparison & acceptance or rejection
- Integration with vehicle tokens generation.
- Auto Images cancellation for blurred, faded and unclear images.
- Arrived vehicles detail
- Pending vehicles detail
- Rejected vehicles detail.

4. Sugarcane Procurement Management

Seasonal Rates, Subsidies, Deductions & TPT Management

- Season wise dynamic configuration for rates, subsidies etc.
- Road Cess Management
- Multiple Crushing shifts management
- Cane Rate
- Loan markup percentage
- Binding Weight
- Unloading charges & tax percentage
- Grower Loan deduction
- Idle weight
- Market Fee Management
- TPT tax percentage
- Loading rate & tax percentages
- TPT calculations
- Circle, Source and Loading Points Rates Management

Area Management

- Divisions, districts Management
- Zone & free area Management
- Circle Management (including distance, payment integration, cane incentive, subsidy, deduction rate, affiliation, good quality and quota management)
- Source Management (factory Gate, check post, Depot)
- Source Market Committee, loading contractors, source road Cess and vehicle wise TPT rate
- Village Management (distance, cane incentive, cane subsidy, TPT subsidy, TPT deduction)
- Loading Points & Sources Integration

Grower Passbook Management

- Growers Profile
- Growers passbook
- Growers Circle, source & Village wise detail & Summary reports
- Growers Loan Deduction

Sugarcane varieties Management (integrated with EagleEye Sugarcane Survey Management)

Shifts Management

Vehicle Lane Management

Vehicle/Transport Management

- Vehicles Minimum & Maximum Gross weight configuration
- Vehicles Minimum & Maximum Tare weight configuration
- Vehicle type wise lane management
- Vehicle type wise deduction configuration

Contractors Management

Contractors Depot Allotment, Rate & Quote Management

Cane Officers Quota management

Source Wise Targets Management & Actual Procurement Comparison

Loans Management

Weight deduction types & percentages

Purchase Indents & Challans management

- Indents ranges management for Factory Gate, Check Posts & Depots and circles
- Auto Indenting and printing through the system

Tokens Management

- Tokens issuance
- Individual tokens status
- Rate, subsidies & deductions, TPT management at tokens
- Accepted Vehicles snapshots
- Road Cess
- Daily token issue detail
- Duplicate vehicles detail
- Cancelled tokens detail
- Daily Source wise token summary & detail reports

SARP Sugar ERP Suite

Gate Pass & Yards Management

- In gate pass entry
- Inner Yard Position
- Outer yard Position
- Hourly yard balance
- Yard Status Dashboard

Sugarcane Weighment & Automated CPRs

- Weighbridge integration with Sugarcane weighment module for automated weighment into the system
- Complete users' system logs for Gross and Tare weight users
- Only Defined System PCs & IP to work for Gross & Tare weighment
- First Weight bridge entry (Gross)
- Unloading management
- Second Weigh Bridge (Tare weight)
- LCD Screen & IP Security Cameras integration with Weighbridge
- Automated CPR generation and customized printing through system
- Special subsidies, incentives and deductions management
- Depot CPRs
- Tipper unloading register
- CPRs extensive search based on CPR no & barcode number
- C.P.R customized formats and printing
- Documents posting and cancellation through authentications system Admin users.
- Token, Card and Barcode slips
- Inner & outer yard vehicles Management
- Depot Less/Excess Purchase, receipt management
- Documents cancellation

Miscellaneous Stock Weighments

• Automated System weighment for miscellaneous items including sugar sale, molasses, bagasse, iron, wood, limestone, petrol, zinc, metal sheets, mill oil, caustic soda, scrap sale items and hundreds of other stock items.

5. Cameras Camera & LCD screens Integration at Weighbridge

- Integration of Digital LCD screens at Gross & Tare Weighbridge for Weight display
- IP Security Cameras integration at Gross and Tare Weighbridge
- Vehicle snaps automatic capturing at weighbridge and comparison for any insecurity/mistakes etc.

6. Depots Purchase Management System (Android)

- Depot Setup (Name, Location, GPS coordinates, Geo-fenced area, Contractor Name, Depot Rate setup, Depot Targets
- Contractors android access setup

- Depot Purchase Rate definition
- Android and Web users Roles based rights & Authentications.
- Depots Geo-Fencing on Google Maps.
- Vehicles entry including Vehicle & Deriver photo & Information, Gross/Tare weight photos of each vehicle and payment rates detail.
- Direct printing of Payment bill with recording of Depot Purchase entry.
- Web Portal for daily Depot wise procurement details.
- Depot users are bound to record Vehicles entry and pay bill directly from the App within Geofenced area of the depot.
- Transparency in Contractor Depot purchase rates.
- Each vehicle Photo, Weighment detail photo and direct printing of Payment bill from Android device.
- A better understanding of expected depot wise sugarcane arrival vs depot target.

7. Sugarcane Accounting

- Fuel Deductions Management
- Daily Payments Detail
- Cane Payment scroll with CPR No & Barcode No
- CPR no wise payments
- Gowers wise all CPR payments
- Cash & bank paid CPR marking and payment vouchers
- CPR no wise & Barcode no wise TPT payment scrolls
- Vehicle type wise TPT payment scrolls
- Special rate & TPT Bank and Bank, Cash and JV paid marking
- Depot CPRs cash and bank paid marking
- Contractor loading bills generation
- Incentives Payment Scroll
- Incentives Paid marking
- CPR payment vouchers
- CPR Payment vouchers
- OB CPRs payment vouchers
- TPT payment vouchers
- Complete check # and bank wise payment detail
- Loading and unloading payment vouchers
- Market Committee payment vouchers

8. Automated Laboratory Management & Cane Sampling

• Sugarcane Laboratory Automation



- Polarimeter and refractometer integration with Lab Automation System
- Boiler, Juice flow, water and Molasses real-time data levels and display at Sugarcane Dashboard
- Hourly Sampling of Bagasse
- Hourly Sampling of Clear Juice
- Hourly sampling of Filter Cake (Mud)
- Hourly sampling of last mill Juice
- Hourly Sampling of Mixed Juice
- Hourly sampling of Primary Juice
- Pol & Brix values
- Recovery approvals
- Automated Daily Calculating Scheme through the system
- Vehicle recovery sampling
- Circle & Source wise cane recovery details
- Stoppage
- CPR no and Barcode no wise recovery detail

Reporting

- Area management reports
- Inner and outer yard Position reports
- Ingate reports
- Vehicle unloading reports
- Cane purchase reports
- Multiple crushing detail and summary reports
- Payment scrolls details
- CPR paid/unpaid status reports
- Contractor depot, market committee and TPT payment reports
- Lab reports (Daily calculating scheme)
- Cane development & Survey reports
- Sugarcane & Miscellaneous items Weighment reports
- Complete user logs reports

9. Loans & Markups Management

- Season wise Loan Markup percentage
- Multiple Loan types

- Growers Loan issuance & recovery
- Loan auto Interest calculation
- Grower Auto loan calculation & deduction at CPR
- Growers Loan guarantors and guarantors loan deduction
- Contractors Loan issuance & recovery
- Circle wise outstanding loan details
- Source Wise outstand loan detail
- Loan recovery summary

10. Sugarcane Costing

- Circle wise Cane Costing
- Average Cost Source Summary
- Cane purchase total cost detail
- Total cost paid and outstanding balances breakup
- Circle, Depot & G.D wise Average sugarcane Cost reports

11. SMS Integration and reports

- SMS integration with SARP Sugar ERP Suite. Get hourly & daily actual cane purchase, crushing, and yard balance and payments detail through SMS.
- Telecom companies SMS portal integration with SARP Sugar ERP Suite for retrieving required reports through the system through Auto generated SMS.

12. Sugar Management Information System Dashboards

Sugar Management Information System (MIS) Dashboards presents Key Sugar Procurement, yard balance, Cane survey, Crushing, Sugar Lab statistical analysis data and graphical presentation charges including;

- Current Steam level (actual value retrieval through integrated Lab Automation System)
- Current Juice Level
- Current Water Level
- Current Molasses level
- Shift wise crushing details graphs
- Sugar Bags production detail
- Current & previous recovery detail
- Yard balance
- Date wise Cane Crushing graphs
- Cane purchased summary
- Date wise cane purchased details graphs

- Percentage Cane and Molasses to the date
- Boilers current Steam level and steam percentage cane

13. Purchase Management System

- Purchase Demands
- Purchase Inquiries
- Comparative Statement
- Local/Site & Import Purchase Orders
- Purchase Expense /landed Cost management
- Purchase order through Indent, Inquiry or prepare Direct P.Os.
- Gate passes management
- Stock Partial/ access quantity management.
- Material Inspection/ Quality Checking.
- Good Receipt Note (GRN)
- Purchase Dashboard
- Complete purchase processes & ISO Industry Standard reporting.

14. Gate Pass & Inventory Management System

- 4 Levels of Chart of Item.
- Store issue Note
- Store Transfer Note
- Stock Adjustment
- Store Return
- Tools Issue & Return
- Production Jobs wise(Recipe) stock issuance
- Stock Opening Balances
- Consumption Expense
- Auto Generated Consumption Voucher for selected time Period.
- Free of Cost Goods/ Sampling Management
- Outward Gate Pass Management/ Miscellaneous Gate pass management.
- Detailed inventory and store reporting.

15. Payables Management System

- Local Purchase Invoicing.
- Site Purchase Invoicing
- Import Purchase Invoicing, Landed Cost management.
- Purchase variances managements
- Services Invoicing
- Payables Parties Ledgers.
- Batch Invoices payments and advance adjustments.

- Creditors Aging and projections
- Integration with Accounts and taxation module.
- Subsidiary Payable ledgers
- Purchase Expenses/Landed Cost and material cost calculation of expenses as part/excluding material cost.

16. General Ledger, Cash Management & Taxation

i. Chart of Accounts

- Master Chart of Account for single &multiple group of companies.
- Up to five levels of Chart of Account including control accounts & Subsidiary level coding.

ii. Vouchers

- Journal Vouchers (JVs)
- Adjustment vouchers
- Purchase and sales Journals.
- Cash payment vouchers, cash receipt vouchers
- Bank Payment vouchers, Bank receipt vouchers.
- Advance payment vouchers.
- Voucher Reversal Process.
- Copy Vouchers
- And over 30+ other voucher types.

iii. Projects Costing & reports

- Allocate project based expenses, payments & receipts
- Projects profit & loss statement
- Running & completed projects Cost summary
- Project Departments expenses sheet
- Monthly Project Expenses Comparison

iv. Bank Reconciliation and fund positions

- Bank Reconciliations (featuring multiple locations)
- Bank Position.
- Un-presented / uncredited cheques details.
- Postdated & forward dated check details.
- v. Voucher View & Batch posting- You can view and post vouchers based on date, voucher number & voucher type. Also voucher posting can be company or location wise.
- vi. **Multiple Vouchers Printing:** Multiple vouchers can be printed based on your requirements for specific vouchers type, defined voucher numbers or defined companies, locations etc.
- vii. Vouchers Audit/Edit/Search Features: Vouchers audit, edit and search documents can be used for filtering accounts vouchers edited logs, searching a specific account voucher through provided filters.
- viii. Copy Voucher- An efficient feature to copy a previous voucher into a new voucher instead of manually entering a similar voucher, e. g copying salary vouchers where salaries, wages may be similar.

- ix. Bank Checks Printing- check printing has been already aligned for all banks according to their checkbooks formats and you can directly print your on checks from the payment vouchers.
- x. Ledger Reports
- xi. Trial Balance
- xii. Financial Statements.
 - Balance sheet statement.
 - Income Statement
 - Owners' equity Statement
 - Cash flow statement
 - Earnings per Share Report.

xiii. Taxation Module.

- Advance taxes, Sales Taxes and Withholding tax management.
- Company, Non-Company, NTN, Filers & Non-Filers.
- Auto tax deduction at vouchers
- Advance tax payments voucher.
- Tax reports

17. Sugar Sales Management

- Customers and Commission Agents Management
- Sales tax Output, Withholding and Income Tax management, excise duty
- Brokerage & Commission Management
- Region wise sales monitoring
- Sales Targets & Achievement comparison.
- Lifting Parties
- Sugar Sales Contract & Sales orders Management
- Local & Export Sales Management
- Cash Sales & tax sales management.
- Rate List.
- Delivery Orders
- Dispatch Order/ Gate Pass
- Sales Weighment and integration with Weighment Scale.
- Sales invoicing.
- Finished Good stock management
- Inclusive & Exclusive sales taxes management
- Sales returns management
- Receivables vouchers, booking and Party wise full receipts management

18. Receivable Management

An ERP Partner that Simplifies Your Business Success!

- Customers Ledgers.
- Local Sales, Export Sales Receivables
- Integration with Sales & taxation module.
- Batch wise customers' Receipts.
- Partial Invoicing management
- Sales tax, Income Tax and Other Taxes Management
- Debtors Aging reports
- Projects stage wise completion receipts.
- Projected Receivables details.

19. Fixed Assets Register

- Fixed assets purchase
- Fixed assets value addition & upgrade process management
- Fixed assets (multiple) depreciation
- Fixed assets depreciation scheduling.
- Fixed assets category wise deprecation detail
- Fixed assets batch wise deprecation detail
- Fixed assets transfer/ Allocation.
- Fixed assets disposal
- Write-off.
- Fixed Assets Complete processes reporting.

20. HR, Biometric Time Attendance & Payroll Management

1. HR Management

- Employee enrollment & profile management.
- Employee strength management (for specified departments & designations)
- Leave policy
- CPL Policy
- Overtime Policy
- Roster Policy
- Late Comers Penalty Policy
- Bonus / Increments policy
- Public Holidays Calendar
- EOBI, Social Security, Provident Funds Management
- Gratuity & Group Insurance management
- Employee Promotion & transfer management
- Leave Encashment
- Final Settlement

2. Attendance Management

- Integration with fingerprint, RFID and Face Recognition Attendance Devices for automatic attendance management.
- Daily Attendance Register
- Daily over Time calculation.
- Late Comers Penalties.
- Leaves management
- Auto Shift Rotation
- Over Time Request & Approval
- Multiple Shifts Management.
- Employee leaves transfer
- Leave Opening balances.

4. Payroll Management

- Loan and Advance salary payments.
- Salaries Tax Slab
- Overtime payments
- Paid/Unpaid salary staff detail.
- Define multiple fixed and Percentage based employee allowances and deductions
- Generate salaries for all companies or selected employee types (Workers, employees, management) or experience as (permanent, contract, seasonal staff) or specific department salaries as separate or altogether.
- Salary vouchers and integration with Accounts Module.
- Leave encashment
- Partial year income tax adjustment management.
- Workers Profit Participation Funds payments process
- Employees Bonus Payments



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