

SmartBuild ERP Commercial Proposal

Objective

To provide a unified, easy-to-use software platform for client **Arcline Properties** who are in construction business for residential and commercial properties — offering full control over budget planning, subcontractor coordination, site expenses, procurement, accounting, and profit monitoring.

Scope Of Work

Detailed Budget Planning (Stage + Task + Floor Wise)

- Set budgets per floor and construction stage (e.g., foundation, slab, plastering).
- Break each stage into subtasks (e.g., shuttering, centering, steel binding).
- Preload rate contracts and labour norms to auto-calculate estimated cost.
- Upload drawing-wise BOQ or use default templates for villas/flats.

Quotation Builder for Customers

- Auto-generate quotations based on selected floor plan, size, and features.
- Include optional cost heads: landscaping, modular kitchen, premium fittings.
- Built-in taxes, profit margins, contingency and escalation clauses.
- Save multiple versions with revision tracking and customer approval logs.

Subcontractor Management

- Define scope of work for each vendor (plumbing, electrical, kitchen, POP, tiling).
- Capture quote, T&C, start date, payment schedule, material responsibility.
- Upload contracts and assign to project stages.
- Track work status, expenses logged by subcontractor, and delays.

Field Staff Expense Entry + Approvals

- Mobile app to upload photos of bills, enter amount, site name, and task.
- Expenses routed to approval hierarchy: Site Engineer → Project Manager.
- Daily, weekly and stage-wise expense reports.
- Fraud check: Duplicate bill flagging, out-of-scope purchase alerts.

Budget Overrun Alerts

- Every task or stage monitored against allocated budget.
- Automatic alerts for 5%, 10%, 15% threshold exceedances.
- Management dashboard flags red-line items requiring action.

3rd Party Contractor Dashboards

- Timelines, contract value, current expense, % work completed.
- Compare contract vs actual: Track overruns, pending payments.

- Geo-tagged work logs (e.g., POP contractor completed 78% of ceiling on-site).

Project Progress Dashboard

- Visual Gantt chart for all ongoing projects.
- Red-yellow-green flags for delayed vs on-track activities.
- Graphical view of % work done vs % budget consumed.

Staff Management

- Worker/Engineer registration with Aadhaar and role.
- Attendance tracking via QR or GPS login.
- Wage register, advance payments, ESI/PF tracking (if applicable).
- Staff-wise expense logging and accountability.

Material Purchase Module

- Indent raised by site engineer → auto-generate PO.
- Record delivery receipts with material photos.
- Track rate changes, supplier defaults, and shortages.
- Link material usage to task progress (e.g., 100 bags cement for 1st-floor slab).

Supplier & Vendor Management

- Register vendors, store GST and bank details.
- Rate history, delivery performance and complaints log.
- Auto-flag vendors for late delivery or price hikes.

Project-Wise Profit & Loss Report

- Track income from client vs material, labour, and sub-vendor costs.
- Monthly profitability snapshot.
- Drill-down to loss-making components.

Balance Sheet & Cash Flow

- View assets (advances paid, material inventory) and liabilities (contractor dues).
- Cash in hand, receivables from clients, payables to vendors.
- Monthly or quarterly view for management reporting.

Smart Expense Entry System

- Multiple heads: Material, Labour, Travel, Food, Machine Rental, Diesel, etc.
- Entry via mobile or desktop with bill copy.
- Project-stage wise grouping for analysis.

Basic Double Entry Accounting

- Auto-generated journal entries:
 - - Expense Dr → Cash/Bank Cr
 - - Material Received Cr → Vendor Payable Dr
- Integrates with Tally for CA audit/export
- GST input/output tracking
- Debit/Credit notes for corrections

Deployment & Usability

- Web Portal for management & back office
- Cloud-based with auto-backups
- Low bandwidth optimized
- Supports regional languages (optional)

Time Line

Total development and testing time for the solution is **35 Business Days**.

Commercials

Total Cost of Development is **280000/- INR**. The payment will be milestone based as follows:

1. Advance Payment: 40%
2. After Completion: 40%
3. After 1 Months of Usage: 20%

Exclusions

The following are **not included** in the above cost:

- Web hosting or server infrastructure charges
- Data Migration from any old system
- Logo design or content creation services
- Any third-party API integrations or external software costs
- On-site support or travel charges, if required