AGBOATWALA ENGINEERING CONSULTANTS PRESENTS

COST EFFECTIVE SOFTWARES IN ENGINEERING

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4. BILLING PACKAGE
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6. VALUATION, HVAC & ELECTRIC PACKAGE

BY:
Y. A. AGBOATWALA & FATIMA. Y. AGBOATWALA
1802, JAMUNA AMRUT, 219, PATEL ESTATE,
S.V. ROAD, JOGESHWARI (W), MUMBAI – 400102
PHONE : (022) 26783525, 9820792254
URL : www.supercivilcd.com
Email : yaa@supercivilcd.com, yaa@agboatwala.com
RC DESIGN PACKAGE

SUPER CIVIL CD
SINGLE POINT SOLUTION TO YOUR CIVIL ENGINEERING NEEDS

Contains more than 80 Design Programs, Standard Drawings, Details, Trusses, Structural Analysis, Tables, Charts, Specs, Tenders, Data Bank, & Misc Productivity Tools... More than 400 MB of Power Packed Information.

2 D FRAME ANALYSIS
DISCOVER THE BEAUTY OF STRUCTURAL ANALYSIS

Contains 2D Frame Analysis Programs of Multi-Story 2D Building Portal Frames including Dynamic Analysis, Seismic Force as per IS:1893-2002, Continuous Beams, General 2D Frames (Rigid & Pinned) of Any Shape, Howe Truss & Open Web Girder.

RCF
ANALYSIS, DESIGN, ESTIMATION, COSTING & DRAWING OF RCC BUILDINGS

Analysis & Design of Floor Beams, Columns & Slabs Including Floor Drawing in AutoCAD. End Moments & Shear, + ve BM, & Shear Correction. Beam, Column & Slab Schedule, BBS of Beams, Column Loads, Steel MTO, BMD & SFD. Concrete & Brick Quantities, Total & Unit Cost of Floor.

RAFT
ANALYSIS, DESIGN, ESTIMATION, COSTING & DRAWING OF RCC BUILDINGS

Analysis & Design of Raft Beams & Slabs Including Drawing of Raft Foundation in AutoCAD. End Moments & Shear, + ve BM, & Shear Correction. Raft Beam & Slab Schedule, BBS of Beams, Steel MTO, BMD & SFD. Concrete Quantities of Inverted Raft Beams & Slabs, Total & Unit Cost of Raft.
# RC Design Package

<table>
<thead>
<tr>
<th>Component</th>
<th>Description</th>
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<tbody>
<tr>
<td><strong>Flat Slab</strong></td>
<td>Analysis &amp; Design of Flat Slabs Including Floor Drawing in AutoCAD. Beam Less Design, Plain Soffit, Aesthetically Pleasing, Comparative Cost, Saves Construction Time &amp; Shuttering, Easy Accommodation of Ducting and Higher Head room per Floor</td>
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<tr>
<td><strong>Flat Raft</strong></td>
<td>Analysis &amp; Design of Flat Raft Foundation Including Raft Drawing in AutoCAD. Beam Less Design, Ease of Construction, Saves Construction Time &amp; Shuttering</td>
</tr>
<tr>
<td><strong>Design &amp; Drawing Control</strong></td>
<td>Records Department Wise Drawing Schedule &amp; Daily Designing and Drawing Man hours Consumed per Drawing. Reporting includes Drawing Cost and Status, Month wise Drawing, Department and Project Progress and Month wise Profit.</td>
</tr>
<tr>
<td><strong>Optimize Bar</strong></td>
<td>Speed up Construction and Save Time + Reinforcements. Grouping of Bars for Optimized Cutting Lengths as per Bar Marks.</td>
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STEEL DESIGN PACKAGE

SUPER CIVIL CD
SINGLE POINT SOLUTION TO YOUR CIVIL ENGINEERING NEEDS

Contains more than 80 Design Programs, Standard Drawings, Details, Trusses, Structural Analysis, Tables, Charts, Specs, Tenders, Data Bank, & Misc Productivity Tools... More than 400 MB of Power Packed Information.

2 D FRAME ANALYSIS
DISCOVER THE BEAUTY OF STRUCTURAL ANALYSIS

Contains 2D Frame Analysis Programs of Multi-Story 2D Building Portal Frames including Dynamic Analysis, Seismic Force as per IS:1893-2002, Continuous Beams, General 2D Frames (Rigid & Pinned) of Any Shape, Howe Truss & Open Web Girder.

SSF
ANALYSIS, DESIGN, ESTIMATION, COSTING & DRAWING OF STEEL BUILDINGS

Analysis & Design of MC, MB Floor Beams, 2 MB / 2 MC Toe to Toe Columns as per IS 800 : 2007 Including Connections, Floor Drawing in AutoCAD. End Moments & Shear, + ve BM & Shear Correction. Column Loads, Structural Steel MTO, BMD & SFD. Plaster & Brick Quantities, Total & Unit Cost of Floor.

DESIGN & DRAWING CONTROL
A DBM SOFTWARE FOR CONTROL OF DESIGN & DRAWING MANHOURS

Records Department Wise Drawing Schedule & Daily Designing & Drawing Man hours Consumed per Drawing. Reporting includes Drawing Cost and Status, Month wise Drawing, Department and Project Progress and Month wise Profit.
Analysis & Design of MC, MB Composite Floor Beams, 2 MB / 2 MC Toe to Toe Columns as per Euro 4 & IS 800 : 2007 Including Connections, Floor Drawing in AutoCAD. Column Loads, Structural Steel MTO, BMD & SFD. RCC, Plaster & Brick Quantities, Total & Unit Cost of Floor.

Speed up Construction and Save Time + Steel. Grouping of Sections for Optimized Cutting Lengths as per Member Marks / Codes.
CONSTRUCTION PACKAGE

SUPER CIVIL CD
SINGLE POINT SOLUTION TO YOUR CIVIL ENGINEERING NEEDS
Contains more than 80 Design Programs, Standard Drawings, Details, Trusses, Structural Analysis, Tables, Charts, Specs, Tenders, Data Bank, & Misc Productivity Tools... More than 400 MB of Power Packed Information.

INSTA COST
A SOFTWARE FOR ESTIMATING PROJECT COST AND TENDER SOQ INSTANTLY
User to Just Enter Area of Building, Capacity of Tank / Bunker, Length of Compound Wall, EQP. Foundation Area etc. & get the Cost, Abstract Sheet, Tender SOQ & Material Consumptions Instantly.

AUTOQTY
DISCOVER THE EASE OF QUANTITY ESTIMATION
A Software for Automatic Quantity & Cost Estimation from AutoCAD Drawings

QTY
QUANTITY ESTIMATION & COST, PROJECT CONTROL
<table>
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<tr>
<th>CONSTRUCTION PACKAGE</th>
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<tr>
<td><strong>SUPER RATE ANALYSIS</strong></td>
</tr>
<tr>
<td>SAVE COST : REDUCE MAN-HOURS : ENHANCE PRODUCTIVITY</td>
</tr>
<tr>
<td>Contains Rate Analysis of more than 1294 nos. of Civil Engineering Building items. Including: Earth Work, PCC, RCC, Masonry, Stone, Wood Works, Structural Steel, Flooring, Roofing, Plastering, Painting, Building Repairs, Roads, Sanitary, H2O Supply, Bridge Works. CPWD Specs, OH &amp; Escalation Calc.</td>
</tr>
<tr>
<td><strong>BID ANALYSIS</strong></td>
</tr>
<tr>
<td>A SOFTWARE FOR TECHNICAL &amp; COMMERCIAL TENDER ANALYSIS</td>
</tr>
<tr>
<td>Comparison &amp; Evaluation of Tenders on the Basis of Standard Rates and Commercial / Financial Parameters. Includes Objective &amp; Subjective Rating of bidders. Software can be used for Civil Engineering as well as for General Application.</td>
</tr>
<tr>
<td><strong>SITE CONTROL</strong></td>
</tr>
<tr>
<td>A DATABASE MANAGEMENT SOFTWARE FOR RESOURCE CONTROL AT SITE.</td>
</tr>
<tr>
<td>Daily Recording of Every Activity on Site including, Material, Labour, EQP., Sub-Contractor etc. Mothwise Reporting of Profit &amp; Loss, Material &amp; Labour Consumption, Site Overheads, Taxes. ABC Analysis, MOM etc.</td>
</tr>
</tbody>
</table>
BILLING PACKAGE

**RA BILL**
A DATABASE MANAGEMENT SOFTWARE FOR ITEM RATE CONTRACT BILLING

It includes, Creation of 1st, Final and Running Account (RA) Bills. Deductions for Retention Amount, Mobilization Advance, Taxes, Material etc. are available. Extensive Printing & Reporting Options. Export to Excel / PDF / Word and RTF Formats.

**BUILDERS BILL**
A DATABASE MANAGEMENT SOFTWARE FOR BILLING OF LUMPSUM CONTRACTS

Software is based on Item Cost allotted as a % of Project Cost. Floor Cost is arrived at by Cumulative addition of Item wise % Cost. It Creates 1st, Final and Running Account (RA) Bills. Extensive Printing / Reporting / Exporting Options available.

**BILLING JI**
A DATABASE MANAGEMENT SOFTWARE FOR GENERAL BILLING

Facility to Add Client and Product List. Various Printing Options such as Invoice / Bill / Quotation / Cash Memo etc. Search Option on Date, Client, Invoice No. Export to Excel / PDF / Word and RTF Formats.
ROAD PACKAGE

SUPER CIVIL CD
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ROADS
PAVEMENT DESIGN & RATE ANALYSIS OF ROAD ITEMS
Software is based on Item Cost allotted as a % of Project Cost. Floor Cost is arrived at by Cumulative addition of Item wise % Cost. It Creates 1st, Final and Running Account (RA) Bills. Extensive Printing / Reporting / Exporting Options available.

ROAD ESTIMATE
QUANTITY ESTIMATION, COST, & PROJECT CONTROL INCLUDING DRAWING OF CROSS / LONGITUDINAL SECTION IN AUTOCAD FOR ROAD
SUPER REAL VALUATION
A SOFTWARE FOR IMMOVABLE PROPERTIES
Contains 54 nos. of Valuation Programs, including: Present Value, Annuities, Land Value, Depreciation, CPWD Cost Index, Cost of Construction, Taxation, Outgoings, Composite Rate Method, Land & Building Method, Rent Capitalization Method, Standard Rent, Fire Insurance, Material + Labour Quantities.

HVAC COST
COSTING, PROJECT CONTROL & DESIGN FOR HVAC ENGINEERS

ELECTRIC COST
COSTING, PROJECT CONTROL & MDS FOR ELECTRICAL PROJECTS