

# Activity based Cost estimate

Div. Code	Division Name	Vol	Unit	Cur	Unit Rate	Total
1	Foundation	750.00	m3	\$	205.53	154.144.40
2	Structure	6.000.00	m3	\$	41.83	250.999.20
3	M/E System	600.00	m3	\$	136.71	82.024.00
3.1	Plumbing & Electrical	8.000.00	m	\$	8.10	64.824.00
3.2	Elevator	600.00	m3	\$	28.67	17.200.00
4	Exterior	10.000.00	m2	\$	34.46	344.630.40
5	Interior	37.000.00	m2	\$	4.32	159.802.00
5.1	Walls	30.000.00	m2	\$	3.86	115.780.00
5.2	Fixtures	1.00	ls	\$	19.473.00	19.473.00
5.3	Floors	700.00	m2	\$	35.07	24.549.00
6	Punch List	1.00	ls	\$	8.400.00	

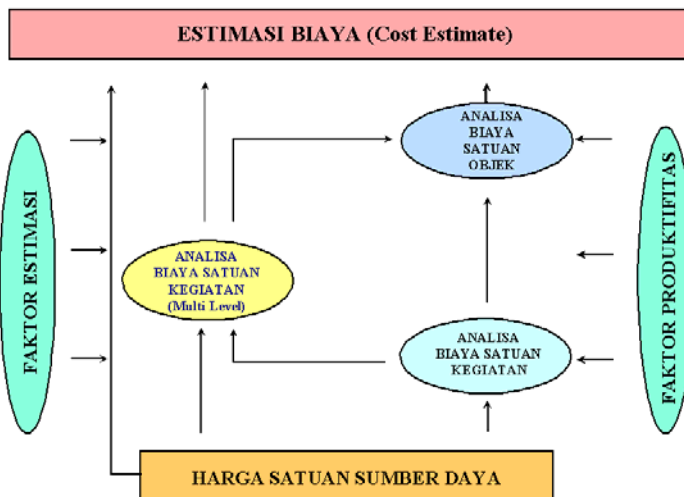
abc provides functionality to build accurate and consistent Cost Model utilizing proven **Activity Based Management Principle** in fulfilling the needs of : Project Owner, Manufacturer, Developer, Contractor, Quantity Surveyor, Budget Planner and Cost Engineer to develop : Project Cost Estimate, Product Cost Estimate, Owner Estimate, Project Budget, Bill of Quantity.

abc Cost Model can be use to match Estimate with allocated Budget following Prescribed Productivity and Estimating Criteria. In addition, quantity of allocated Resources can be generated to include Material, Man Power, Equipment, etc.

Code	Res./Act Name	PF	Qty	Unit	Cur	Unit Rate	EF	Value
M1701	Septic Tank	1.00	2.0000	pcs	\$	600.00	1.00	1,200.00
M1901	PVC Pipe	1.00	376.0000	m	\$	3.00	1.00	1,128.00
M1902	Galvanized Pipe	1.00	348.0000	pcs	\$	8.00	1.00	2,784.00
M1903	Gate Valve	1.00	11.0000	pcs	\$	80.00	1.00	880.00
M1904	Check Valve	1.00	1.0000	pcs	\$	3.00	1.00	3.00
M2201	Water Pump	1.00	2.0000	unit	\$	2,800.00	1.00	5,600.00
P0208	Plumber	1.00	64.0000	hour	\$	25.00	1.00	1,600.00

abc provide user-friendly **Unit Rate Standard** Management Function to accommodate estimating schemes or scenarios following specific estimating standards which are unique characteristics of project, such as geographic location, specification, complexity of implementation technology, quality of implementation, validity of estimating period.

**Cost Estimate** can be developed and updated with Reference to Pre-established Unit Rate Standard.



## COST ESTIMATE FEATURES

- Project Structure can maintain multiple Project Cost Estimate Editions.
- Multi currency within one database is allowed.
- Work Division is definable using ten-character code.
- Roll up functionality to Sum the Value to higher level Work Division.
- Generate Bill of Material, Man Power, Equipment, etc.
- Match Estimate to allocated budget following prescribed control factors.
- Provide Weight and Average for each Work Division and each Activity.
- Functionality to Group Projects into Project Structure.
- Save Project Cost Estimate as Assembly / Standard Cost Objects.
- Ability to compare up to five Estimating Schemes or Scenarios

## UNIT RATE FEATURES

- Unit Rate Standard can maintain multiple Unit Rate Editions.
- Resource Pool : Material, Man Power, Equipment, Subcontract, Field, Others.
- RBS (Resource Breakdown Structure) is definable using nine-character code.
- Allow Multi - Level Activity Unit Rate Analysis.
- Ability to develop Assembly / Standard Object Unit Rate.
- Resource Unit Rate can be adjusted globally either up or down.
- Estimating Factors can be applied to adjust Resource Unit Rate.
- Productivity Factors can be applied to adjust allocated Resource Quantity.

The screenshot shows the 'Activity Based Cost Estimate' software interface. The main window displays 'Project Cost' for 'Rama East' and 'Rama Office Building East'. The project volume is 1.00 and the total project cost is 1,000,000.00. Below this, there are two tables. The first table is a detailed breakdown of costs by division, and the second table is a summary table showing percentages and averages for each division.

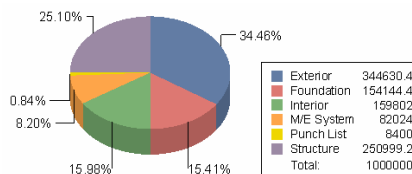
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5.1	Walls	30,000.00	m2	\$	3.86	
5.2	Fixtures	1.00	ls	\$	19,473.00	
5.3	Floors	700.00	m2	\$	35.07	
6	Punch List	1.00	ls	\$	8,400.00	

Div. Code	Division Name	Vol	Unit	Cur	Total	%	Average
1	Foundation	750.00	m3	\$	152,709.20	15.29	1,527.09
2	Structure	6,000.00	m3	\$	250,999.20	25.14	2,509.99
3	M/E System	600.00	m3	\$	82,024.00	8.21	820.00
3.1	Plumbing & Electrical	8,000.00	m	\$	64,824.00	6.49	648.00
3.2	Elevator	600.00	m3	\$	17,200.00	1.72	172.00
4	Exterior	10,000.00	m2	\$	344,630.40	34.51	3,446.30
5	Interior	37,000.00	m2	\$	159,802.00	16.00	1,598.00
5.1	Walls	30,000.00	m2	\$	115,780.00	11.59	1,157.00
5.2	Fixtures	1.00	ls	\$	19,473.00	1.95	194.00
5.3	Floors	700.00	m2	\$	24,549.00	2.46	245.00
6	Punch List	1.00	ls	\$	8,400.00	0.84	84.00

## GENERAL FEATURES

- Export Output to : Excel, Word, Text, RTF, HTML, PDF
- Import Resource & Activity Unit Rate, Analysis, and Project Cost Estimate from Excel file
- Generate Graphics
- Search Data using keyword supplied by Users
- Flexible Copy function that could extract ABC Cost Model consistently
- Access Control through User Administration Facility
- Export Activity and Resource Data to Primavera Project Management



## SYSTEM REQUIREMENTS

- Processor : Intel Pentium IV
- RAM : 512 MB
- Windows 2000 Service Pack 4 or Windows XP Service Pack 2
- Microsoft Internet Explorer
- Microsoft Office
- MSSQL Server 2000

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