

Constructive Cost Model:

Project Type : Organic
Coefficient<Effort Factor> : 2.4 [P=1.05 ; T=0.38]
SLOC = 10,000 Lines
Person Month, PM = $(2.4 * 10^{1.05}) = 26.928$
Development Time, DM = $(2.5 * 26.928^{0.38}) = 8.738 = 9 \text{ Months} = 1584 \text{ Working}$
Hour Required People, ST = $PM/DM = 3.082 = 3 \text{ People}$

Budgeting:

Developer Salary in 9 Months:

Per Developer salary Per Working Hour = 500 Taka

Total Developer Salary = $(500 * 1584) = 792,000 \text{ Taka}$

Requirement Analysis:

Time Needed: 1 month (22 Working Days = 176 Working Hour)

Requirement Analysis Person's Hourly wage = 300 Taka

Total Requirement Analysis Expense = $(300 * 176) = 52,800 \text{ Taka}$

Transportation Cost Estimation: 15,000 Taka

Training & Hardware Expenses Estimation: 125,000 Taka

Rent Expenses:

Room Per Month = 15,000 Taka

Total in 9 Months = 135,000 Taka

Total Utilities in 9 Months: 25,000 Taka

Maintenance (Till 6 Months after Deliver):

Expense Per Hour = 1200 Taka

Total Estimated Time Needed for Maintenance = 60 Hours

Total Estimated Maintenance Expense = $(60 * 1200) = 72,000 \text{ Taka}$

Project Manager Wage in 9 Months:

Project Manager per months wage = 25,000 Taka

Project Manager Total wage = $(25000 * 9) = 225,000 \text{ Taka}$

Project Accountant Wage in 9 Months:

Project Accountant per months wage = 5,000 Taka

Project Accountant Total wage = (5000 * 9) = 45,000 Taka

Total Estimated Expense:

(792,000 + 52,800 + 15,000 + 125,000 + 135,000 + 25,000 + 72,000 + 225,000 + 45,000) = 1,486,800 Taka

Profit:

25% of Total Estimated Expense = 1,486,800 * 25% = 371,700 Taka

Project Budget: 1,486,800 + 371,700 = 1,858,500 Taka

Summary

Field of Expense	Amount
Developer Salary	792,000/-
Requirement Analysis Expense	52,800/-
Transportation Cost	15,000/-
Training & Hardware Expenses	125,000/-
Rent Expenses (for 9 months)	135,000/-
Utilities (for 9 Months)	25,000/-
Maintenance Expense (for 9 Months)	72,000/-
Project Manager wage	225,000/-
Project Accountant wage	45,000/-
Profit [25%]	371,700/-
Total	1,858,500/-