

Budgeting

Constructive Cost Model:

Project Type	: Organic
Coefficient	: $2.4[P=1.05; T=0.38]$
SLOC (Source line of code)	: 5000 Lines
Person Months, PM	: $(2.4 * (5000/1000)^{1.05}) = 13.005$
Development Time, DM	: $(2.5 * 13.005^{0.38}) = 6.626 = 7 \text{ Months} = 1232 \text{ Working Hour}$
Required People, ST	: $PM/DM = 1.85 = 2 \text{ People}$

Budgeting:

Developer Salary in 7 Months:

Per developer salary per working hour = 500 Taka

Total Developer Salary = $500 * 1232 = 616,000 \text{ Taka}$

Requirement Analysis:

Time needed 1 month (22 working days = 176 working hour)

Requirement analysis person's hourly wage = 200 Taka

Total requirement analysis expense = $200 * 176 = 35,200 \text{ Taka}$

Transportation cost estimation: 8,000 Taka

Training & hardware expense estimation: 100,000 Taka

Rent expense:

Room per month = 12,000 Taka

Total in 7 months = 84,000 Taka

Total utilities in 7 months: 22,000 Taka

Maintenance (Till 5 months after delivery):

Expense per hour = 1,000 Taka

Total estimated time needed for maintenance = 50 hours

Total estimated maintenance expense = $50 * 1000 = 50,000 \text{ Taka}$

Project Manager Salary:

Per month = 20,000 Taka

Total in 7 months = $(20000 \times 7) = 140,000$ Taka

Accountant Salary:

Per month salary = 8,000 Taka

Total in 7 Months = $(8000 \times 7) = 56,000$ Taka

Total estimated expense:

$616,000 + 35,200 + 8,000 + 100,000 + 84,000 + 22,000 + 60,000 + 140,000 + 56,000$

$= 1,121,200$ Taka

Profit:

20% of Total estimated expense = $1,121,200 \times 20\% = 224,240$ Taka

Project Budget: $1,121,200 + 224,240 = 1,345,440$ Taka