

Budgeting for
“ONLINE COMPARISON SYSTEM”

Constructive Cost Model:

- Project type : Organic
- Coefficient_{<effort factor>} : 2.40 [P=1.05, T=0.38]
- SLOC : 10000 Lines
- Project complexity(P) = 1.05
- SLOC-dependent coefficient(T) = 0.38
- Person Months for the project (PM): $(2.40 * 10^{1.05}) = 26.93 \approx 27$
- Dev. Time(DM): $(2.50 * 26.93^{0.38}) = 8.74 = 9 \text{ Months} = 2160 \text{ WH}$
- Required People(ST): $PM/DM = 26.93/8.74 = 3.80 \approx 4$

Budgeting:

Developer Salary in 9 months:

Per Developer salary Per working Hour = 700 Taka

Total Working Hour = 2160

Total Developer salary = $700 * 2160 = 15,12000 \text{ Taka}$

Requirement Analysis:

Time Needed: 5 weeks (25 working days = $(25 * 12) = 300 \text{ WH}$)

Req Analysis Person's Hourly wage = 300 Taka

Total Req Analysis salary = $300 * 300 = 90,000 \text{ Taka}$

Transportation Cost Estimation:

10,000 Taka

Training & Hardware Expense Estimation:

100000 Taka

Rent Expense:

Room per Month = 10,000 Taka

Total in 9 Months = 90,000 Taka

Total Utilities in 9 Months (including miscellaneous):

20,000 Taka

Maintenance (Till 6 Months after Delivery):

Expense per Hour: 1000 Taka

Total Estimated Time needed for Maintenance 60 Hours

Total Estimated Maintenance Expense = $60 \times 1000 = 60,000$

Taka

Total Estimated Expense:

$1512000 + 90000 + 10000 + 100000 + 90,000 + 20,000 + 60,000 = 18,82,000$ Taka

Profit:

20% of Total Estimated Expense = $1882000 \times 20\% = 3,76,400$ Taka

Project Budget: $1882000 + 376400 = 22,58,400$ Taka