Group-2

Project Estimation

**COCOMO (CONSTUCTIVE COST MODEL)**

SLOC = 5000

Coefficient = 2.4

P = 1.05

T = 0.38

Effort = PM = Coefficient<Effort Factor>\*(SLOC/1000)P

Effort = PM = 2.4\*(5000/1000)1.05 = 13.005

Development time = DM = 2.50\*(PM)T

=>DM = 2.50\*(13.005)0.38 = 6.63

Required number of people = ST = PM/DM = 13.005/6.63 = 1.96 = 2

**Budgeting:**

Total working days = 22\*6.63 = 146 days = 146\*8 = **1168 hour**

Salary per hour: **500 Taka**

Maintenance cost per hour: **2000 Taka**

|  |  |
| --- | --- |
| Salary | 5,84,000/- |
| Requirement | 45,000/- |
| Transportation | 5000/- |
| Maintenance [ for 6 months ] | 1,20000/- |
| Utility | 1,50000/- |
| Training & Hardware | 50,000/- |
| Profit [20%] | 1,90800/- |
| Total | 11,44800/- |