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

=7

Required number of people = ST = PM/DM = 13.005/7 = 1.85= 2

**Budgeting:**

Total working days = 22\*7= 154days = 154\*8 = **1232hour**

Salary per hour: **500 Taka**

Maintenance cost per hour: **2500 Taka**

|  |  |
| --- | --- |
| Salary | 1232\*500=616000/- |
| Requirement | 50,000/- |
| Transportation | 10000/- |
| Maintenance [ for 6 months ] | 1,25000/- |
| Utility | 1,50000/- |
| Training & Hardware | 50,000/- |
| Profit [20%] | 200200/- |
| Total | 12,01200/- |