**Effort Estimation and Budgeting:**

Effort = PM = Coefficient<Effort Factor> \* (SLOC/1000) ^ P [10000 SLOC/1000 = 10k SLOC]

=2.4 \* (10000/1000) ^1.05

=26.92

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

=2.50 \* (26.92) ^ 0.38

=8.73

Required number of people =ST = PM/DM

=26.92/8.73

=3.08

**Budgeting:**

**Development Cost:**

Total working days = total days \* DM

= 25 \* 8.73

= 218.75day

= 219 days

Working hour per day = 6

Total working hours = 219 \* 6

= 1314 hours

Total development cost = 1314 \* 600 [per hour salary600]

= 788400

**Maintenance Cost:**

Monthly 12 Hours (6 months and per hour salary 1200)

Cost = 12 x 6 x 1200

= 86,400

**Requirement Cost:**

Days = 15 working hour= 7 salary = 750

TotalCost = 7 x 15 x 750

= 78,750

|  |  |
| --- | --- |
| Development Cost | 7,88,400 |
| Requirement Cost | 78,750 |
| Travel Cost | 8,000 |
| Maintenance Cost | 86,400 |
| Training | 32,000 |
| Equipment | 1,00,000 |
| Utilities | 1,13,000 |
| Profit (20%) | 2,87,150 |
| Total | 14,93,700 |