**Effort Estimation**

Coefficient=2.4 [as the project type is organic]

We assume the SLOC of our project=14000

Project Complexity, P=1.05 [as the project type is organic]

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

=2.4\*(14000/1000)1.05

=38.34

PM=38.34

T=0.38

Duration time in weeks for project, DM=2.50\*(PM)T

=2.50\*(38.34)0.38

=9.993 = 10

Required number of people = ST (average staffing necessary)

= PM/DM

= (38.34/ 10)

= 3.84 = 4

**Budget Estimation**

Duration=10 weeks=70 days=2.5 Month

Working Days = 5 days a week.

= 5\*10=50 days=50\*8=400 hours.

Salary=1500/- (per hour)

Salary=160\*1500 [As 160 hr in 1 month]

=240,000/-(monthly)

Total Salary For Project =240,000\*2.5=600000/-

For One Developer =600000/4=150000/-

Utilities Bill =15000\*2.5=37500/-

Office rent= 30000\*2.5=75000/-

Transportation Cost for employees(per-month) = 6000\*2.5=15000/-

Instrument Cost =50000/-

Maintenance Hour per month 15 hr and cost 2500/= per hour

Maintenance cost= 2500\*15\*6=225000/-

|  |  |
| --- | --- |
| **Criterias** | Tk |
| Total Salary | 600000/- |
| Utilities Bill | 37500/- |
| Office rent | 75000/- |
| Transportation Cost | 15000/- |
| Instrument Cost | 50000/- |
| Maintenance cost | 225000/- |
| Total Cost= | 1002500/- |

Total Cost 1002500/-

We assume 20% of total cost as profit

Total amount to be Paid= (1002500+1002500\*20%)

= 1203000/-