Schedules, resources and activities of a project are shown below.

|  |  |  |  |
| --- | --- | --- | --- |
| **Activity** | **Predecessor** | **Fixed Duration (days)** | **Resources** |
| A |  | 4 | Four Management Employee (ME), 2 computer |
| B |  | 2 | Two CE, 1 Architect , 1 computer, 1 operator |
| C |  | 4 | Five labors, one excavator |
| D | A | 3 | 20 trucks Earth, 5 labors, 1 ME |
| E | B | 4 | 13000 Bricks, 360 bags cement, 100 tons rod, 15 labors, 1 Civil Engineer (CE), 2 ME |
| F | C | 2 | 8000 Bricks, 240 bags cement, 25 tons rod, 8 labors, 1 Civil Engineer (CE), 1 ME |
| G | D | 6 | Two Electricians, 1500 M wire |
| H | A, E, I | 4 | Three Pipe fitters, 2500 M Pipes |
| I | F | 6 | 60 bags cement, 5 labors, 1 Civil Engineer (CE) |
| J | F | 2 | Two labor, 1 ME |
| K | G, H | 4 | 2 CE, 2 ME, 2 computers |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Item** | **Per unit price (Taka)** | **Item** | **Salary/wage**  **(taka)** | **Item** | **Rent per day (taka)** |
| Bricks | 6 | Mgt. Emp. | 50000/mon | Computer | 1500 |
| Cement | 500 | Civil Engr. | 60000/mon | Excavator | 8000 |
| Rod | 55000 | Labor | 400/day |  |  |
| Earth | 8000 | Elec. | 1000/day |  |  |
| Wire | 20 | P. fitter | 1000/day |  |  |
| Pipe | 25 | Operator | 500/day |  |  |

Note:

25 working days in a month

Architect fee is Tk.100000

1. Draw the Gantt Chart.

2. Find Activity wise cost and Total project cost