$$CPI = 0.00$$

As, $CPI < 0$, project is over-budget.

* Using Milestones for measurements:-
A. A milestone is a marker in a project that signifies a change or stage in development.
- They are powerful components in project mgmt. because they show key events & map forward movement in your project plan.
- Milestones are usually set in the planning phase of project & get updated as the project progresses.
- They are visual reference points that break a project down into manageable chunks, create order & help to anchor the project & make it less overwhelming.

ex: of typical milestones:

Start & End dates.

Budget Checks.

External or internal reviews

Tests or inspections.

Benefits of using milestones

① **Improved Planning & Organization:-**
- milestones break a project into smaller, manageable phases.
- They help in setting clear objectives & tracking progress

② **Better Progress Tracking:-**
- they act as checkpoints to assess whether the project is on schedule.
- Helps to identify delays early & take corrective actions.

③ **Enhanced Team Accountability:-**
- it defines clear goals for teams.
- Help in maintaining motivat" by showing progress

④ **Risk Management:-**
- Early detection of potential risks by reviewing milestone complet"
- Allows adjustments before problems escalate. becomes serious.

⑤ **Stakeholder Communicat" & Reporting:-**
- easier to update stakeholders on project status
- Helps to get continued support & funding.

⑥ **Efficient Resource Allocation:-**
- Helps in planning workload & distributing resources effectively.
- Avoids overburdening teams with unrealistic deadlines.