



**Project Management**

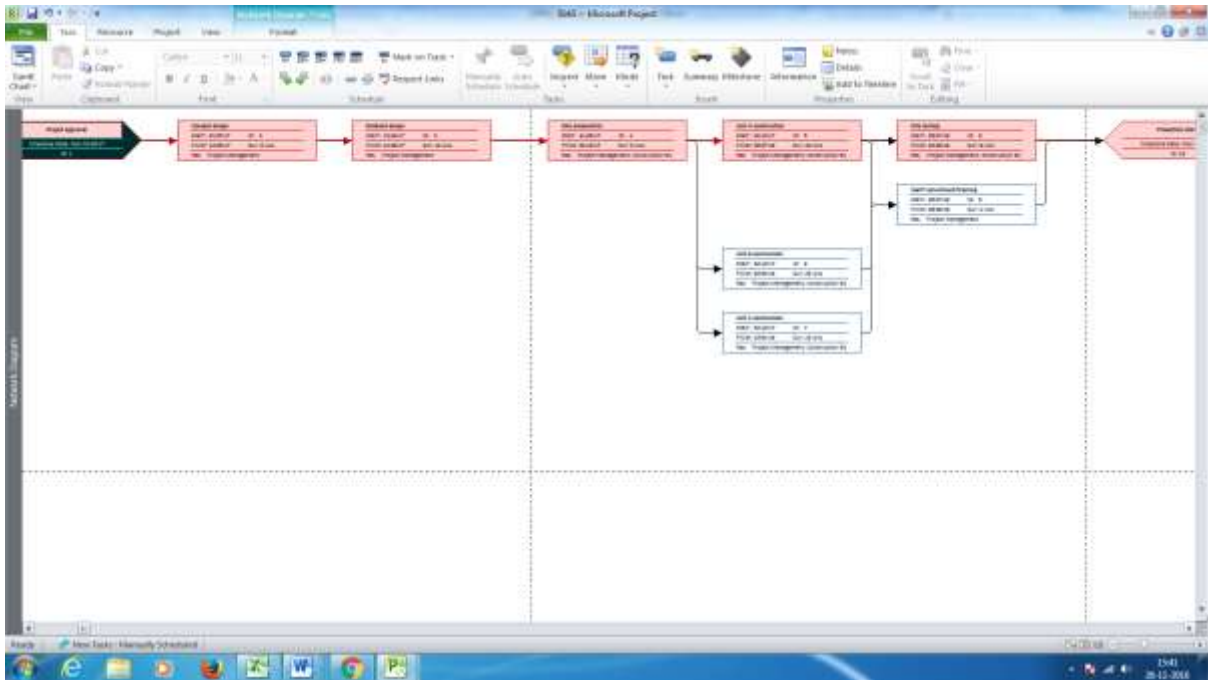
**EssayCorp** **5** years  
★★★★★

## Contents

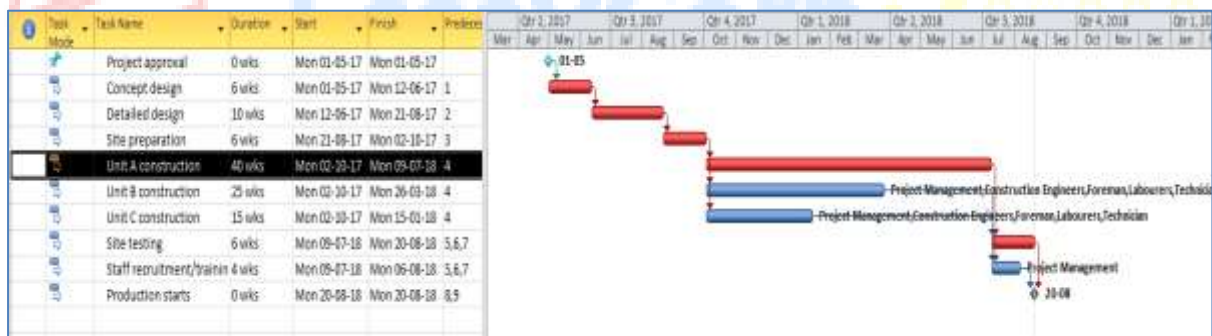
Part 1 .....	3
Question a.....	3
Question b .....	3
Question c.....	3
Question d .....	4
Part 2 .....	5
Question a.....	5
Question b .....	6
Part 3 .....	7
Question a.....	7
Question b .....	9
Question c.....	10
Part 4 .....	11
Question a.....	11
Question b .....	11
Question c.....	13

## Part 1

### Question a



### Question b



### Question c

Task Mode	Task Name	Start	Finish	Late Start	Late Finish	Free Slack	Total Slack
Manually Scheduled	Project approval	Mon 01-05-17	Mon 01-05-17	Mon 01-05-17	Mon 01-05-17	0 wks	0 wks
Auto Scheduled	Concept design	Mon 01-05-17	Mon 12-06-17	Mon 01-05-17	Mon 12-06-17	0 wks	0 wks
Auto Scheduled	Detailed design	Mon 12-06-17	Mon 21-08-17	Mon 12-06-17	Mon 21-08-17	0 wks	0 wks

<b>Scheduled</b>		12-06-17	08-17	12-06-17	21-08-17		
<b>Auto Scheduled</b>	Site preparation	Mon 21-08-17	Mon 02-10-17	Mon 21-08-17	Mon 02-10-17	0 wks	0 wks
<b>Auto Scheduled</b>	Unit A construction	Mon 02-10-17	Mon 07-18	Mon 02-10-17	Mon 09-07-18	0 wks	0 wks
<b>Auto Scheduled</b>	Unit B construction	Mon 02-10-17	Mon 03-18	Mon 15-01-18	Mon 09-07-18	15 wks	15 wks
<b>Auto Scheduled</b>	Unit C construction	Mon 02-10-17	Mon 01-18	Mon 26-03-18	Mon 09-07-18	25 wks	25 wks
<b>Auto Scheduled</b>	Site testing	Mon 09-07-18	Mon 08-18	Mon 09-07-18	Mon 20-08-18	0 wks	0 wks
<b>Auto Scheduled</b>	Staff recruitment/training	Mon 09-07-18	Mon 08-18	Mon 23-07-18	Mon 20-08-18	2 wks	2 wks
<b>Auto Scheduled</b>	Production starts	Mon 20-08-18	Mon 08-18	Mon 20-08-18	Mon 20-08-18	0 wks	0 wks

#### Question d

The project should not be undertaken by the management as the production plant would be completed or is scheduled to be completed by the 20<sup>th</sup> of August 2018. According to the proposal of the client the production should start three months before 21<sup>st</sup> of November 2018 however considering the few constraints and unexpected events accepting the project might prove to be risky.

Part 2

Question a

Task Name	Fixed Cost	Fixed Cost Accrued	Total Cost	Baseline	Variance	Actual	Remaining
<b>Project approval</b>	\$ 0.00	Prorated	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00
<b>Concept design</b>	\$ 2,900,000.00	Prorated	\$ 2,948,000.00	\$ 0.00	\$ 2,948,000.00	\$ 0.00	\$ 2,948,000.00
<b>Detailed design</b>	\$ 4,600,000.00	Prorated	\$ 4,680,000.00	\$ 0.00	\$ 4,680,000.00	\$ 0.00	\$ 4,680,000.00
<b>Site preparation</b>	\$ 700,000.00	Prorated	\$ 833,500.00	\$ 0.00	\$ 833,500.00	\$ 0.00	\$ 833,500.00
<b>Unit A construction</b>	\$ 8,900,000.00	Prorated	\$ 9,837,500.16	\$ 0.00	\$ 9,837,500.16	\$ 0.00	\$ 9,837,500.16
<b>Unit B construction</b>	\$ 7,300,000.00	Prorated	\$ 7,886,499.84	\$ 0.00	\$ 7,886,499.84	\$ 0.00	\$ 7,886,499.84
<b>Unit C construction</b>	\$ 5,800,000.00	Prorated	\$ 6,152,499.84	\$ 0.00	\$ 6,152,499.84	\$ 0.00	\$ 6,152,499.84
<b>Site testing</b>	\$ 900,000.00	Prorated	\$ 1,041,900.00	\$ 0.00	\$ 1,041,900.00	\$ 0.00	\$ 1,041,900.00
<b>Staff recruitment/training</b>	\$ 1,200,000.00	Prorated	\$ 1,232,000.00	\$ 0.00	\$ 1,232,000.00	\$ 0.00	\$ 1,232,000.00

<b>Production</b>	\$ 0.00	Prorat	\$ 0.00	\$ 0.00	\$ 0.00	\$	\$ 0.00
<b>starts</b>		ed				0.00	

### Question b

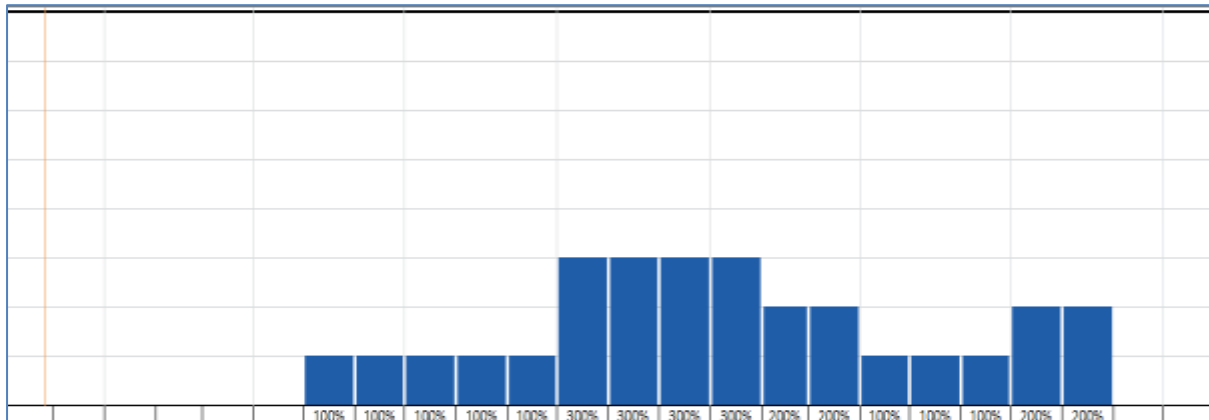
Company requires manpower for successfully running a business so as to perform diverse tasks rolling all across its different departments. The staff henceforth can have a classification of:

- a) Temporary: A temporary employment generally gets hired by some companies or organizations for the sole purpose of offloading job on temporary basis. They are hired on a shorter time period by several staffing agencies. Many times it has been found that diverse employers remain unable to afford permanent employee because of several reasons. Henceforth they opt for temporary contracts with attractive benefits. Many organizations even hire temporary staff for addressing any urgent incursion of demand especially during the peak working seasons.
- b) Permanent: A permanent employee is the one who works with a contract of unlimited duration. Such a term can only be terminated when they are caught with any false means or have committed 'grave of offence'. Usually the permanent employees enjoy advantages such as:
  - Aid in terms of medical and health
  - Allowances for transportation and food
  - Allowance for housing

In today's world, employers are tending to maintain a healthy relationship between the permanent as well as temporary joiner in a proportion which may vary for peak and lean seasons.

### Part 3

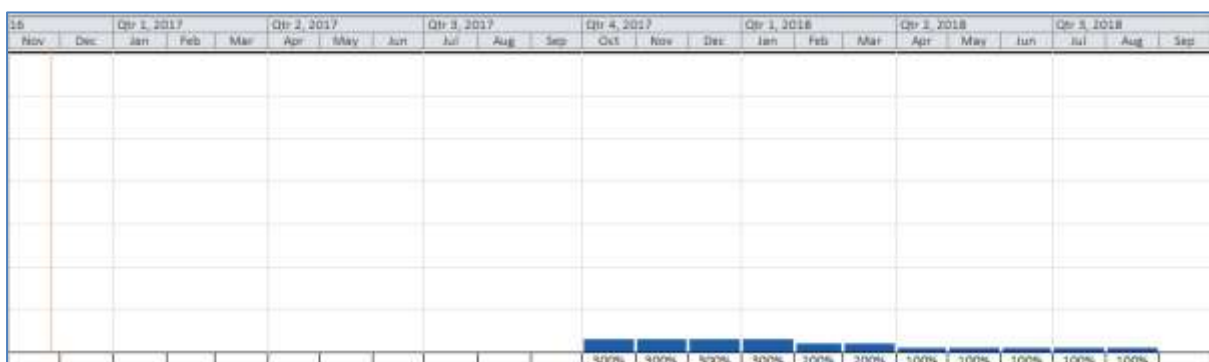
#### Question a



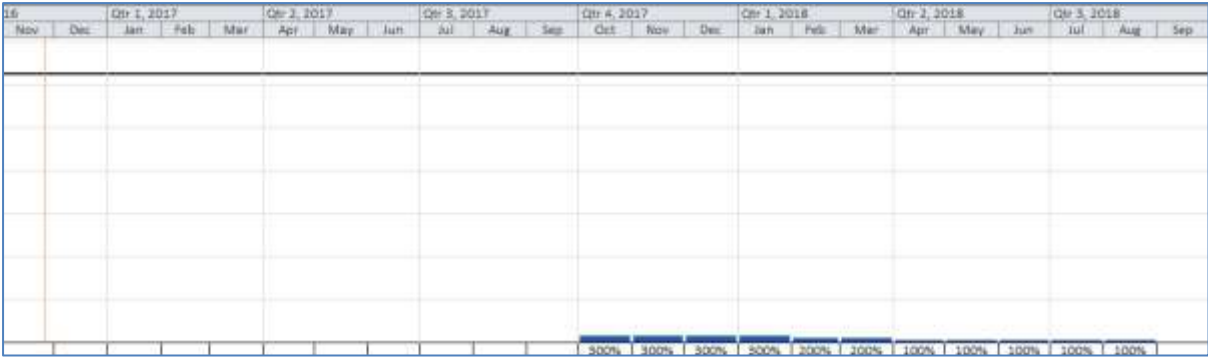
#### Project Management



#### Foreman



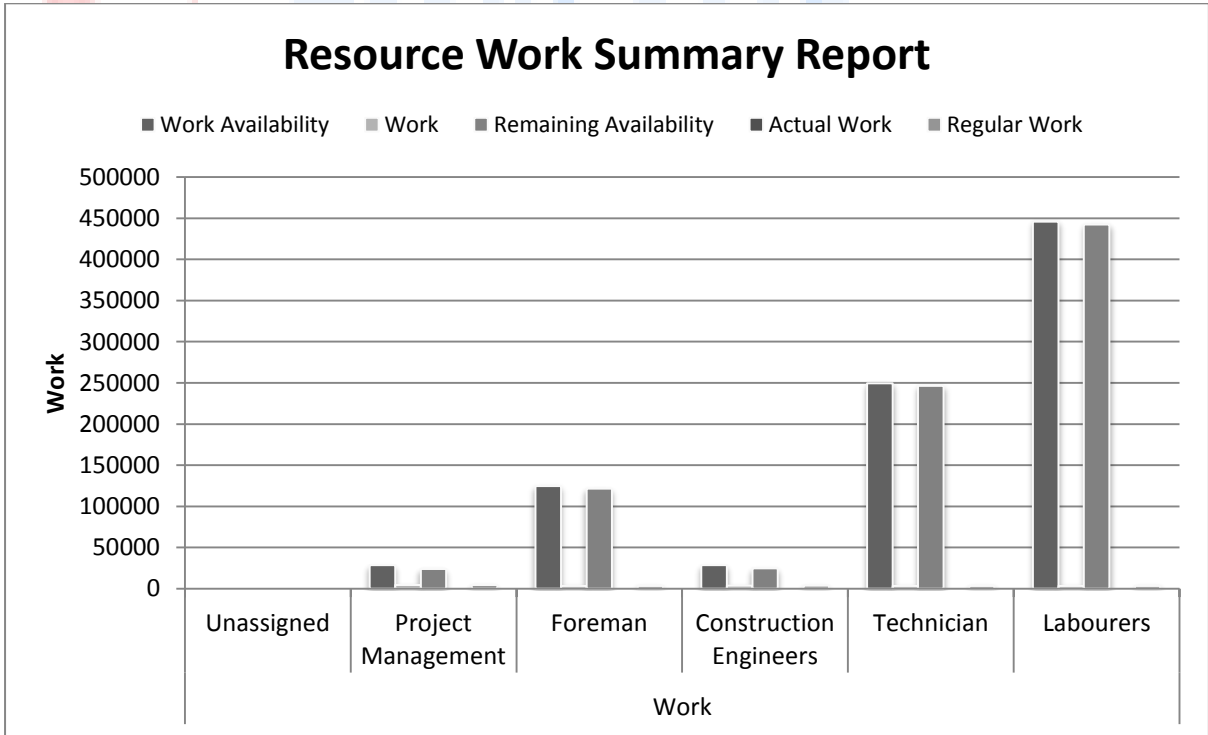
#### Technician



Labourer



Construction Engineer





### Question b

Slack is the amount of time that can be afforded to the delay or procrastination of a task before it adversely affects other tasks. Knowing the amount of slack in a schedule helps balance the schedule by relocating tasks that have too much slack between tasks or not enough slack to allow for unforeseen emergencies or other tasks that need to be addressed.

Task Name	Fixed Cost	Fixed Cost Accrual	Total Cost	Baseline	Variance	Actual	Remaining
Project approval	\$ 0.00	Prorated	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00
Concept design	\$ 32,520.00	Prorated	\$ 33,000.00	\$ 34,400.00	\$ -1,400.00	\$ 33,000.00	\$ 0.00
Detailed design	\$ 62,800.00	Prorated	\$ 63,600.00	\$ 51,400.00	\$ 12,200.00	\$ 63,600.00	\$ 0.00
Site preparation	\$ 23,765.00	Prorated	\$ 25,100.00	\$ 24,300.00	\$ 800.00	\$ 25,100.00	\$ 0.00
Unit A construction	\$ 89,000.00	Prorated	\$ 98,375.01	\$ 1,125.00	\$ -14,124.99	\$ 29,523.01	\$ 68,851.99
Unit B construction	\$ 73,000.00	Prorated	\$ 78,864.99	\$ 96,500.00	\$ -17,635.01	\$ 63,095.01	\$ 15,769.99
Unit C construction	\$ 58,000.00	Prorated	\$ 61,524.99	\$ 81,500.00	\$ -19,975.01	\$ 46,147.51	\$ 15,377.49
Site testing	\$ 9,000.00	Prorated	\$ 10,419.00	\$ 32,500.00	\$ -22,081.00	\$ 0.00	\$ 10,419.00

Staff recruitment/training	\$ 12,00,000.00	Prorated	\$ 12,32,000.00	\$ 17,40,000.00	\$ - 5,08,000.00	\$ 0.00	\$ 12,32,000.00
Production starts	\$ 0.00	Prorated	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00

### Question c

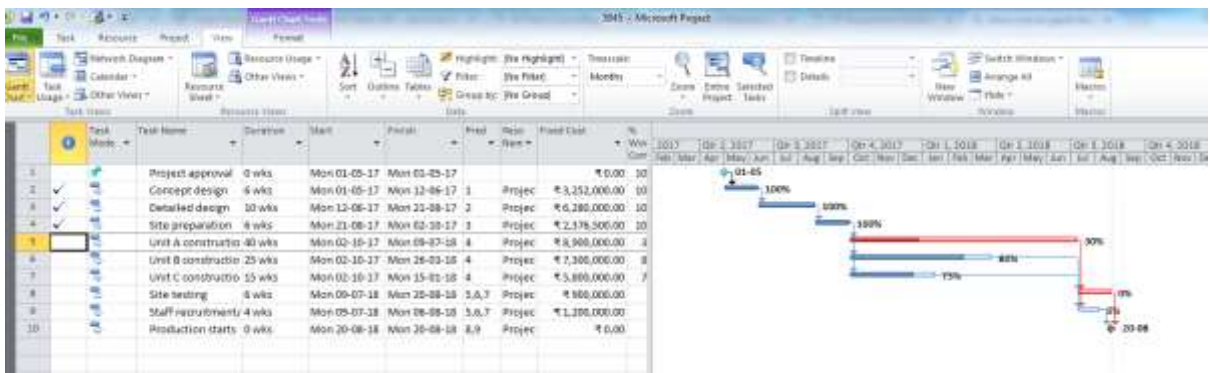
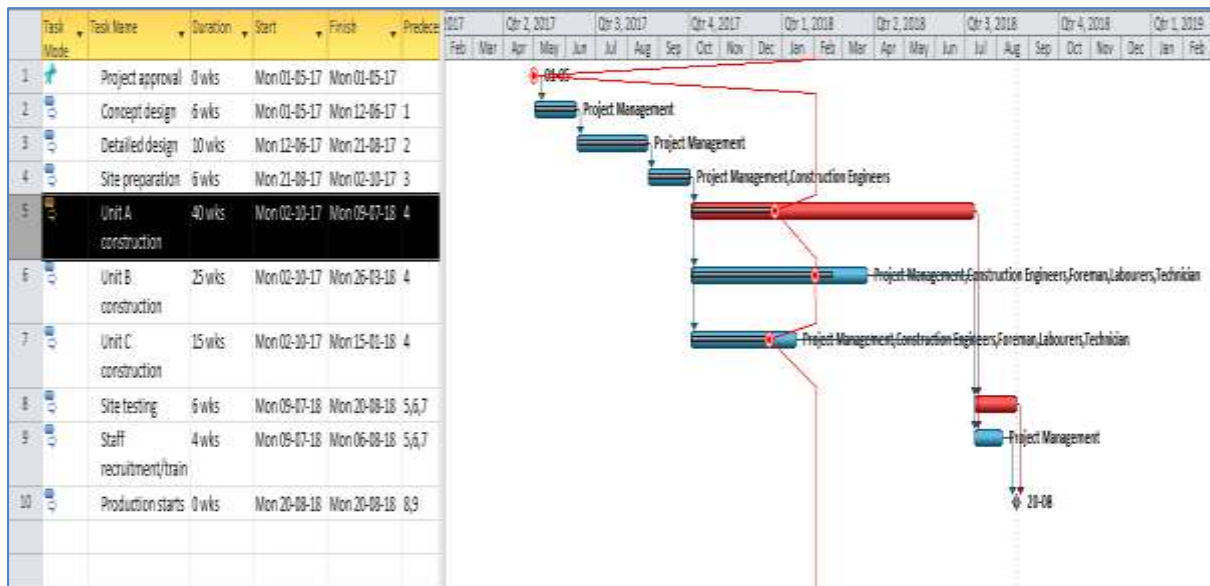
Accepting changes in the plan would mean bringing about a change in all other aspects of the project such as allocation of resources and the coordination amongst various teams. In addition to the same the project might not be able to meet the deadline.



EssayCorp 5 years ★★★★★

## Part 4

### Question a



### Question b

Budget Report as of Sat 26-11-16  
5045

ID	Task Name	Fixed Cost	Fixed Cost Accrual	Total Cost	Baseline	Variance	Actual	Remaining
5	Unit A construction	₹ 8,900,000.00	Prorated	₹ 9,837,500.16	₹ 11,250,000.00	-₹ 1,412,499.84	₹ 2,952,301.12	₹ 6,885,198.72
6	Unit B construction	₹ 7,300,000.00	Prorated	₹ 7,886,499.84	₹ 9,650,000.00	-₹ 1,763,500.16	₹ 6,309,500.80	₹ 1,576,999.04
3	Detailed design	₹ 6,280,000.00	Prorated	₹ 6,360,000.00	₹ 5,140,000.00	₹ 1,220,000.00	₹ 6,360,000.00	₹ 0.00
7	Unit C construction	₹ 5,800,000.00	Prorated	₹ 6,152,499.84	₹ 8,150,000.00	-₹ 1,997,500.16	₹ 4,614,751.04	₹ 1,537,748.96
2	Concept design	₹ 3,252,000.00	Prorated	₹ 3,300,000.00	₹ 3,440,000.00	-₹ 140,000.00	₹ 3,300,000.00	₹ 0.00
4	Site preparation	₹ 2,376,500.00	Prorated	₹ 2,510,000.00	₹ 2,430,000.00	₹ 80,000.00	₹ 2,510,000.00	₹ 0.00
9	Staff recruitment/training	₹ 1,200,000.00	Prorated	₹ 1,232,000.00	₹ 1,740,000.00	-₹ 508,000.00	₹ 0.00	₹ 1,232,000.00
8	Site testing	₹ 900,000.00	Prorated	₹ 1,041,900.00	₹ 3,250,000.00	-₹ 2,208,100.00	₹ 0.00	₹ 1,041,900.00
1	Project approval	₹ 0.00	Prorated	₹ 0.00	₹ 0.00	₹ 0.00	₹ 0.00	₹ 0.00
10	Production starts	₹ 0.00	Prorated	₹ 0.00	₹ 0.00	₹ 0.00	₹ 0.00	₹ 0.00
		₹ 36,008,499.20		₹ 38,320,396.80	₹ 45,049,999.36	-₹ 6,729,600.00	₹ 26,046,553.60	₹ 12,273,845.76

Task Name	Fixed Cost	Fix ed Cos t Acc rual	Total Cost	Baselin e	Varia nce	Actua l	Rema ining	Co lor Code	Reasons
<b>Project approval</b>	\$ 0.00	Pror ated	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	A mb er	Not relevant
<b>Concept design</b>	\$ 32,52,000.00	Pror ated	\$ 33,00,000.00	\$ 34,40,000.00	\$ - 1,40,000.00	\$ 33,00,000.00	\$ 0.00	Re d	Over budget by 10%
<b>Detailed design</b>	\$ 62,80,000.00	Pror ated	\$ 63,60,000.00	\$ 51,40,000.00	\$ 12,20,000.00	\$ 63,60,000.00	\$ 0.00	A mb er	Not relevant
<b>Site preparation</b>	\$ 23,76,500.00	Pror ated	\$ 25,10,000.00	\$ 24,30,000.00	\$ 80,000.00	\$ 25,10,000.00	\$ 0.00	Gr een	Below budget by 10%
<b>Unit A construction</b>	\$ 89,00,000.00	Pror ated	\$ 98,37,500.16	\$ 1,12,50,000.00	\$ - 14,12,499.84	\$ 29,52,301.12	\$ 68,85,198.72	Re d	Over budget by 10%
<b>Unit B construction</b>	\$ 73,00,000.00	Pror ated	\$ 78,86,499.84	\$ 96,50,000.00	\$ - 17,63,500.16	\$ 63,09,500.80	\$ 15,76,999.04	Re d	Over budget by 10%
<b>Unit C construction</b>	\$ 58,00,000.00	Pror ated	\$ 61,52,499.84	\$ 81,50,000.00	\$ - 19,97,500.16	\$ 46,14,751.04	\$ 15,37,748.96	Re d	Over budget by 10%
<b>Site testing</b>	\$ 9,00,000.00	Pror ated	\$ 10,41,900.00	\$ 32,50,000.00	\$ - 22,08,100.00	\$ 0.00	\$ 10,41,900.00	Re d	Over budget by 10%
<b>Staff recruitment/training</b>	\$ 12,00,000.00	Pror ated	\$ 12,32,000.00	\$ 17,40,000.00	\$ - 5,08,000.00	\$ 0.00	\$ 12,32,000.00	Re d	Over budget by 10%

---

<b>Production starts</b>	\$ 0.00	Prorated	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	\$ 0.00	Ambler	Not relevant
--------------------------	---------	----------	---------	---------	---------	---------	---------	--------	--------------

---

### Question c

Based on the entire project the colour code would be red as the project is expected to exceed the budgeted costs by over 10%.



EssayCorp 5 years ★★★★★