

Project plan

Renovation of water tanks

Why

Short introduction of the project

This project involves renovation of two main water tanks that distributes water to the Hospital. The current water tanks has a leakage and rusts

Goals (the why)

- . To plug or seal holes that leak water and prevent rust by painting .
- . To ensure there is reliable and alternative water supply when there's no water supply at certain time from primary water source.

Impact

- Having clean water
- Reliable and Alternative water supply when there's no water supply at certain time from primary water source.

Criteria to meet (quality, scope, time, budget)

- Use of iron sheet with 3mm, Painting iron sheets to prevent rust.
- Renovation of two water tank with volume of . 14,000,000 litres and 40,000 litres
- The estimated budget is 7,000,000

Envisioned solutions

- Renovating one water tank after another.
- Back up water tank when renovation is in progress.

Time line

Activity	Start	End
Preparation phase (April 2023		April 2023)
• Looking for Suppliers and Welding Technician	(3 rd to 17 April 2023)	
• Selection of suppliers of materials	(25 th to 26 th April 2023)	
• Procuring and receiving materials for renovation.	(27 th to 30 th April 2023)	
Executing phase (May 2023		to June 2023)
First Phase(Renovation of small Tank)		
• Removing water and Cleaning tank.	(2 nd to 4 th May 2023)	
• Welding	(5 th to 13 May 2023)	
• Filling water for testing	(14 th to 15 th May 2023)	
• Painting	(16 th to 20 th May 2023)	
Implementation phase	(May 2023)

Requirements

- Fund
- Technitian
- Labours

- Fund
- Technitian
- Labours

Activity

Start

End

2nd Phase

- Connecting pipes that supply water to the new renovated tank (22nd to 23th May 2023)
- Removing water and Cleaning water tank. (24th to 26th May 2023)
- Welding. (27th may to 15 June 2023)
- Filling water for testing (16th to 17th June 2023)
- Painting (18th to 20th June 2023)

Implementation phase

(June 2023 ..)

Handover

..June 2023 .. June 2023

Project team

Role	Name	Hours per week
Owner*	Nicolaus Keha	1 hours
Project leader	Raphael Protase	5 hours
Plumber hours	[REDACTED]	3
Member (role)	name	.. hours

Stakeholders

- Patients
- Employees
- Government

Consultation

Job title	Name	Organisation
Engineer Consultancy...	[REDACTED]	[REDACTED]
Engineer construction	[REDACTED]	[REDACTED]