

**ENVIROMENTAL IMPACT ASSESSMENT**  
**(EIA) GROUP WORK-MAFIGA HC**

**"BLUE TEAM"**

# Facility Overview



- Facility name: Mafiga HC
- Location: Morogoro MC
- It is one among the 2 HC in Morogoro Municipal
- Patient flow (OPD)= 400 per day
- They have functional Space (OPD,RCH, Maternity ward, Operating Theatre and CTC)

# Baseline characterization

## Physical

1. The HC has a huge space that was considered enough, However Expansion of HF from Dispensaries to HC there is likely to impact negatively or positively
2. They have functional Space (OPD,RCH, Maternity ward, Operating Theatre and CTC)
3. Face are defective in various sides with unrestricted access to human and animals
4. Poor drainage and sewage system (No infrastructure for inputting into central sewage system)
5. Generator are in close proximity to the Maternity and theatre
6. Reliable water supply (tape water and water storage tanks)

## Social /cultural

1. The facility has enormous client flow ( with approximate 400 patients per day)
2. Proximity of the incinerator to the residential area which has defective face
3. There is a bar nearby that is also close to the hole that is not covered/protected

## Chemical

1. The waste management does not follow the SOP in terms of bucket labelling colour coding
2. Open burning
3. No sterilization system at the facilities
4. No proper incineration and proper disposal (There was a good number of spill over medical ampule)

## Mitigation design

Impact of concern	Potential ESDM Failures	Type of Mitigation Measures
Air Pollution	Improper incineration and disposal of wastes, Open burning	<b>Prevention and control measures:</b> siting incinerator a safe distance from residential area. Increase stack high of incinerator chimney
Soil contamination	Poor drainage and sewage system (No infrastructure for inputting into central sewage system)	<b>Prevention and control measures:</b> repair the damaged drainage area and develop system to input sewage into municipal drainage system
Noise pollution	Poor installation of generator (Generator are in close proximity to the Maternity and theatre).	<b>Prevention and control measures:</b> Proper installation of generator, siting generator in a safe distance from Maternity and theatre, Change generator (silence mode once financial situation allows.
Nosocomial infection	No equipment sterilization system at the facilities, The waste management does not follow the SOPs in terms of bucket labelling colour coding, Defective fence (resident	<b>Prevention and control measures:</b> secure sterilization machine at the HF capacity building and mentorship of HCPs, strengthen SS on the use of SOPs, repair defective fence
Explosion	Fuel are stored near to the Generator	<b>Prevention and control measures:</b> Secure designated area for storing Fuel with limited access to responsible individuals

**Note:** **Nosocomial infection**, is an [infection](#) that is acquired in a [hospital](#) or other [health care](#) facility.