



# FRP Fencing

## Problems Identified with Present Transformer sites

1. Easy Unauthorized access to the humans & animals which can invite the accidents and can lead to the fatal cases.
2. Rusting on the Enclosures
3. Theft of the Enclosure Steel and Fencing Steel is invited
4. No Mechanical Strength in the Fencing
5. Open Wire connections are a concern as it is a DANGER
6. Maintenance is not possible in a non clean environment.



## In highly populated areas

1. No Protection for the humans in highly populated areas
1. Easy to get trapped in any accident which can cause loss of life



**Solution to these type of the problems**

# FRP Fencing



## Design properties

- High capacity of live loads
- Dimensional stability
- Flexible design to help meet structural needs
- Low thermal expansion coefficient
- Aesthetics possibilities
- Non-magnetic and customizable
- Higher resistance against pyrolysis
- Better burn through resistance



**Without Foundation**

## Mechanical properties

- High tensile strength
- Better seismic resistance
- Resistance against atmospheric degradation and weathering
- Excellent resistance against freeze-thaw cycles
- Good stiffness to weight ratio
- Resistant to deicing salts



## Cost

- Zero or less maintenance cost
- Savings due to rapid project completion
- Lower user cost
- Considerable decline in price



**With Partial Foundation**

## Construction parameters

- Ease of installation
- Less expensive equipment required to handle material
- Reduced transportation and assembly cost
- Reduced traffic delay
- Less labor required in installation process
- Longer service life



**With Full Foundation**

# FRP Fencing

## Features

- Corrosion resistant
- Low in thermal conductivity,
- Good aesthetic looks E
- Low electrical conductivity
- Easy to Assemble
- Safety Features
- UV coating
- Cost effective
- Light Weight
- Structurally strong
- Easy to field fabrication

## Applications

- Transformer Fencing
- Airport Fencing
- Cattle Farm fencing
- Domestic Fencing
- Agriculture Fencing
- Decorative Fencing
- Pool Fence
- Chain Link Fencing
- Road Barrier Fencing



# Comparison with metal fencing

## Metal Fencing

1. Rusting
2. Theft
3. Poor Strength
4. Non - Insulating
5. Can hurt on damage
6. Can be tampered

## FRP Fencing

1. Rust Proof
2. Theft Proof
3. Higher Mechanical Strength
4. Fire Retardant
5. Cannot be damage and non hurting even if damaged intentionally
6. Cannot be tampered