

Emission Estimation Results

Excavation

Total Emissions: **41151.00 kg CO₂**
Per Capita Emissions: **95.26 kg CO₂ per worker**
Per Output Emissions: **1.76 kg CO₂ per ton**

Transportation

Total Emissions: **1259.70 kg CO₂**
Per Capita Emissions: **2.92 kg CO₂ per worker**
Per Output Emissions: **0.05 kg CO₂ per ton**

Equipment

Total Emissions: **25215.20 kg CO₂**
Per Capita Emissions: **58.37 kg CO₂ per worker**
Per Output Emissions: **1.08 kg CO₂ per ton**

Total

Total Emissions: **67625.90 kg CO₂**
Total Per Capita Emissions: **156.54 kg CO₂ per worker**
Total Per Output Emissions: **2.88 kg CO₂ per ton**

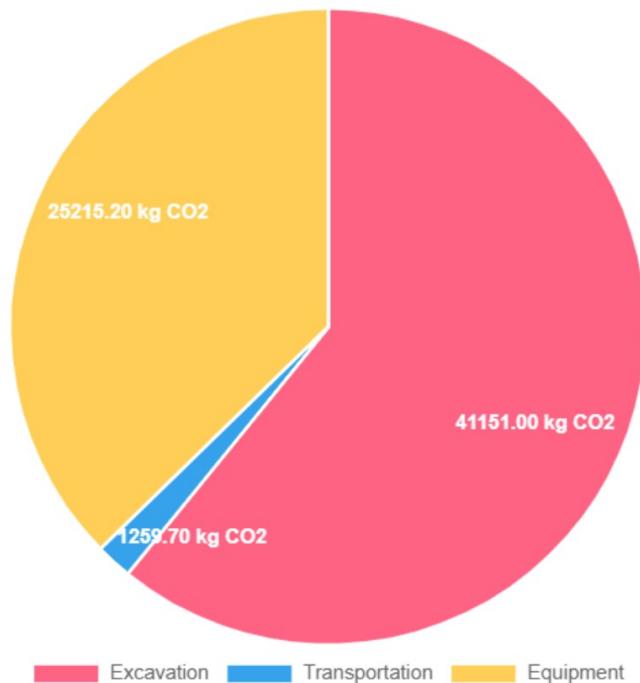
Collected Info

Excavation (tons): **435**
Transportation (km): **34**
Fuel Consumption (liters): **43**
Equipment Usage (hours): **344**
Number of Workers: **432**
Fuel Type: **coal**
Emissions After Mitigation Policy: **342**
Annual Coal Production: **23444**

Carbon credits

Baseline Emissions: **51680.86 kg CO₂**
Total Emissions: **67625.90 kg CO₂ equivalents**
Emissions after taking mitigation policies: **342.00 kg CO₂ per ton**
Total carbon credits: **51338.86 per ton**
The net worth of the carbon credits are:
2156232.12\$ per ton

Total Emissions Breakdown



Explore Neutralisation Pathways

Electric Vehicle Conversion:

100

100%

Neutralize Footprint:

100

100%

Shift to Green Fuel:

100

100%

Neutralisation Pathways To Achieve 100% Of The Carbon Footprint

Total Carbon Footprint: **67625.90 kg CO₂**

Target Carbon Footprint To Be Neutralised: **67625.90 kg CO₂**

EV Transportation

CO₂ Reduction Obtained By Converting 100% Of Transportation To EV: **6.80 kg CO₂**

Green Fuel

CO₂ Reduction Obtained By Replacing 100% Fuel With Green Fuel: **21.50 kg CO₂**

Remaining Emissions To Be Reduced After Following Above Steps: **67597.60 kg CO₂**

Afforestation

Land Required For Afforestation To Neutralise The Remaining Emissions: **30726.18 hectares**

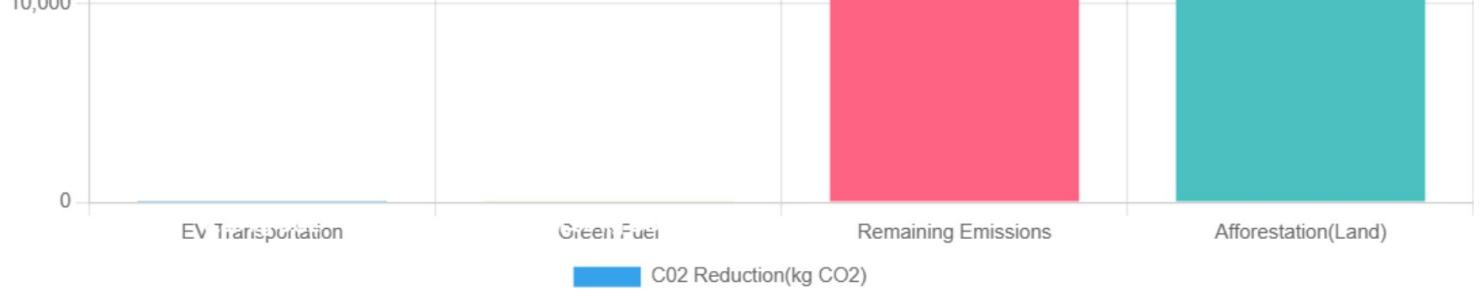
Estimated Electricity Savings: **20287.77 MWh**

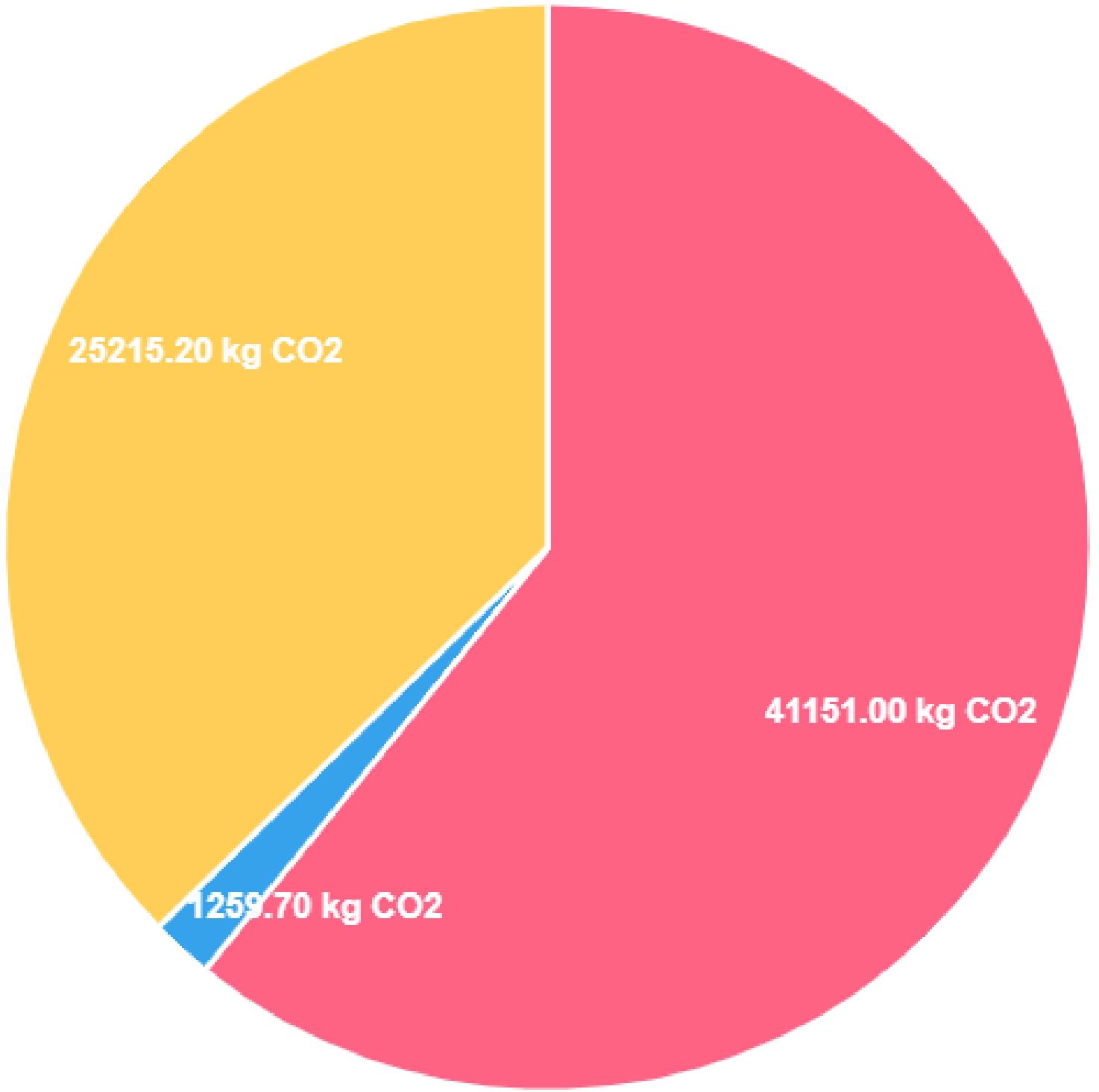
Remaining Emissions After Following Complete Steps: **0.00 kg CO₂**

Neutralisation Pathway Chart

Carbon Neutralization Pathways







Excavation

Transportation

Equipment

