

Emission Estimation Results

Excavation

Total Emissions: **3311.00 kg CO₂**
Per Capita Emissions: **103.47 kg CO₂ per worker**
Per Output Emissions: **0.96 kg CO₂ per ton**

Transportation

Total Emissions: **2074.80 kg CO₂**
Per Capita Emissions: **64.84 kg CO₂ per worker**
Per Output Emissions: **0.60 kg CO₂ per ton**

Equipment

Total Emissions: **33424.80 kg CO₂**
Per Capita Emissions: **1044.52 kg CO₂ per worker**
Per Output Emissions: **9.67 kg CO₂ per ton**

Total

Total Emissions: **38810.60 kg CO₂**
Total Per Capita Emissions: **1212.83 kg CO₂ per worker**
Total Per Output Emissions: **11.23 kg CO₂ per ton**

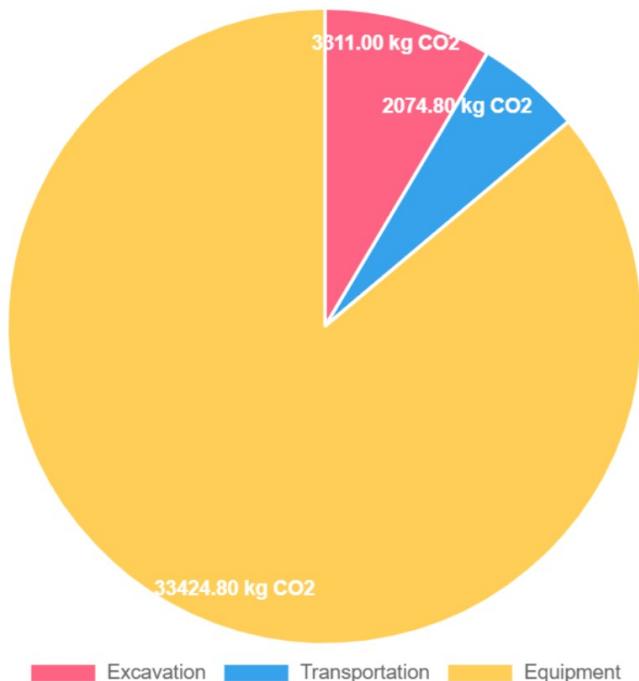
Collected Info

Excavation (tons): **35**
Transportation (km): **56**
Fuel Consumption (liters): **456**
Equipment Usage (hours): **456**
Number of Workers: **32**
Fuel Type: **coal**
Emissions After Mitigation Policy: **45**
Annual Coal Production: **3455**

Carbon credits

Baseline Emissions: **8704.52 kg CO₂**
Total Emissions: **38810.60 kg CO₂ equivalents**
Emissions after taking mitigation policies: **45.00 kg CO₂ per ton**
Total carbon credits: **8659.52 per ton**
The net worth of the carbon credits are:
363699.84\$ per ton

Total Emissions Breakdown



Electric Vehicle Conversion:

100

100%

Neutralize Footprint:

100

100%

Shift to Green Fuel:

100

100%

Explore Neutralisation Pathways

Neutralisation Pathways To Achieve 100% Of The Carbon Footprint

Total Carbon Footprint: **38810.60 kg CO₂**

Target Carbon Footprint To Be Neutralised: **38810.60 kg CO₂**

EV Transportation

CO₂ Reduction Obtained By Converting 100% Of Transportation To EV: **11.20 kg CO₂**

Green Fuel

CO₂ Reduction Obtained By Replacing 100% Fuel With Green Fuel: **228.00 kg CO₂**

Remaining Emissions To Be Reduced After Following Above Steps: **38571.40 kg CO₂**

Afforestation

Land Required For Afforestation To Neutralise The Remaining Emissions: **17532.45 hectares**

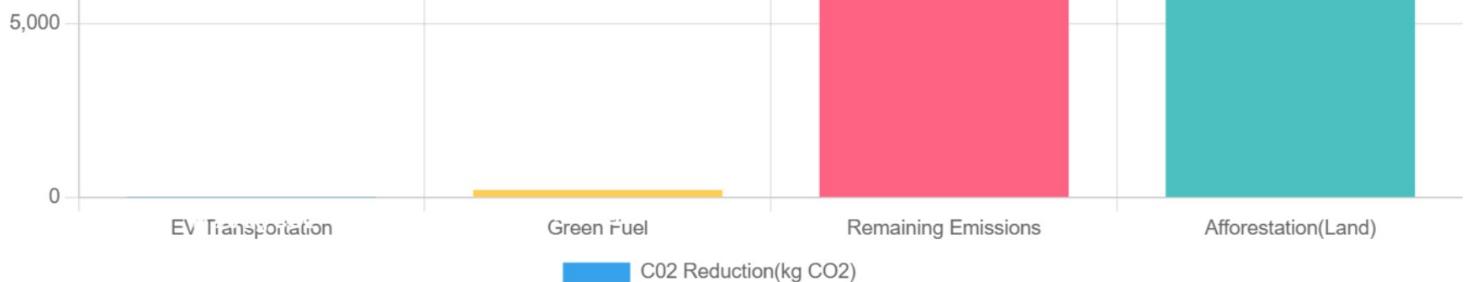
Estimated Electricity Savings: **11643.18 MWh**

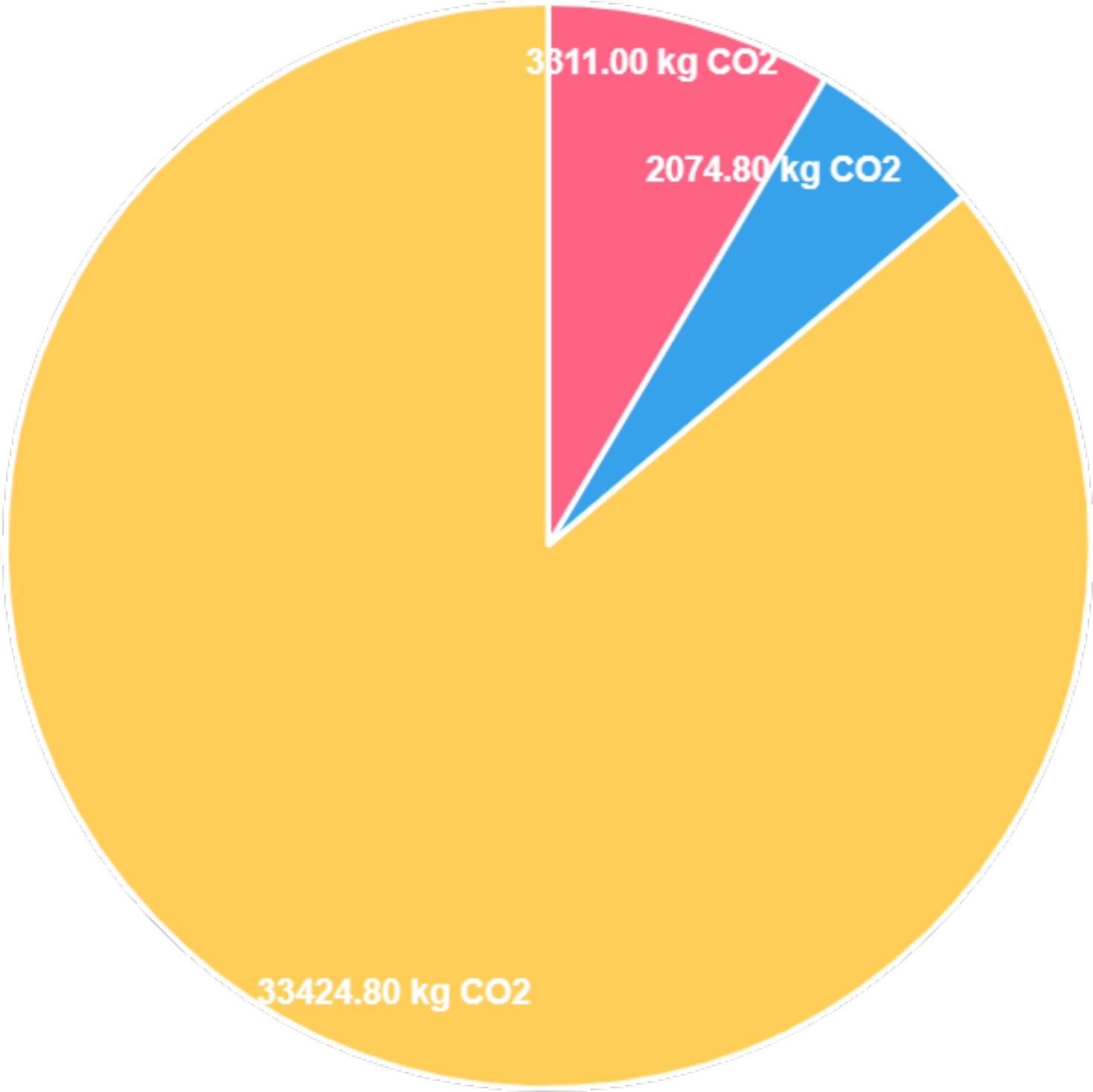
Remaining Emissions After Following Complete Steps: **0.00 kg CO₂**

Neutralisation Pathway Chart

Carbon Neutralization Pathways







Excavation Transportation Equipment

