

Emission Estimation Results

Excavation

Total Emissions: **34339.80 kg CO₂**
Per Capita Emissions: **6.42 kg CO₂ per worker**
Per Output Emissions: **0.07 kg CO₂ per ton**

Transportation

Total Emissions: **12708.15 kg CO₂**
Per Capita Emissions: **2.37 kg CO₂ per worker**
Per Output Emissions: **0.02 kg CO₂ per ton**

Equipment

Total Emissions: **259115.50 kg CO₂**
Per Capita Emissions: **48.41 kg CO₂ per worker**
Per Output Emissions: **0.49 kg CO₂ per ton**

Total

Total Emissions: **306163.45 kg CO₂**
Total Per Capita Emissions: **57.19 kg CO₂ per worker**
Total Per Output Emissions: **0.58 kg CO₂ per ton**

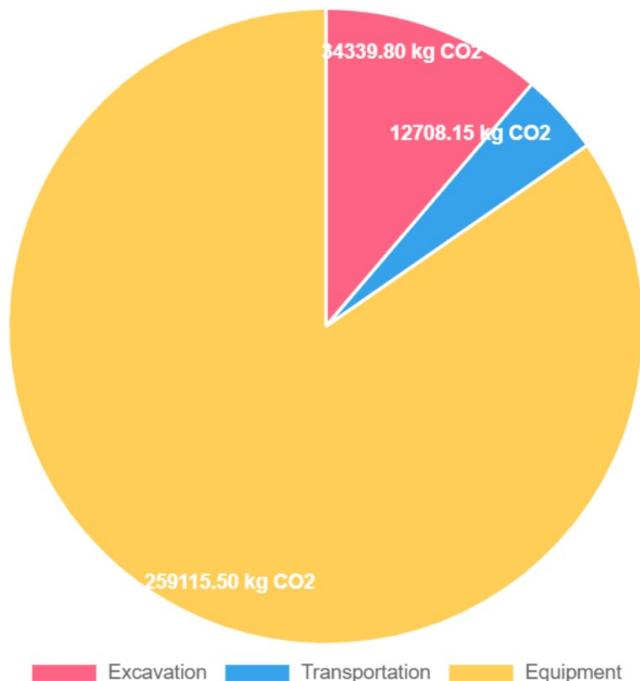
Collected Info

Excavation (tons): **363**
Transportation (km): **343**
Fuel Consumption (liters): **355**
Equipment Usage (hours): **3535**
Number of Workers: **5353**
Fuel Type: **coal**
Emissions After Mitigation Policy: **45525**
Annual Coal Production: **525224**

Carbon credits

Baseline Emissions: **1156351.90 kg CO₂**
Total Emissions: **306163.45 kg CO₂ equivalents**
Emissions after taking mitigation policies:
45525.00 kg CO₂ per ton
Total carbon credits: **1110826.90 per ton**
The net worth of the carbon credits are:
46654729.80\$ 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: **306163.45 kg CO₂**

Target Carbon Footprint To Be Neutralised: **306163.45 kg CO₂**

EV Transportation

CO₂ Reduction Obtained By Converting 100% Of Transportation To EV: **68.60 kg CO₂**

Green Fuel

CO₂ Reduction Obtained By Replacing 100% Fuel With Green Fuel: **177.50 kg CO₂**

Remaining Emissions To Be Reduced After Following Above Steps: **305917.35 kg CO₂**

Afforestation

Land Required For Afforestation To Neutralise The Remaining Emissions: **139053.34 hectares**

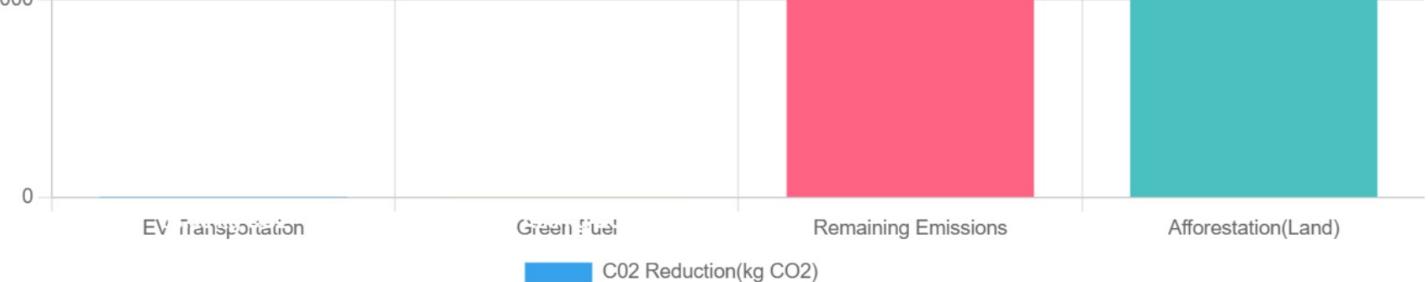
Estimated Electricity Savings: **91849.04 MWh**

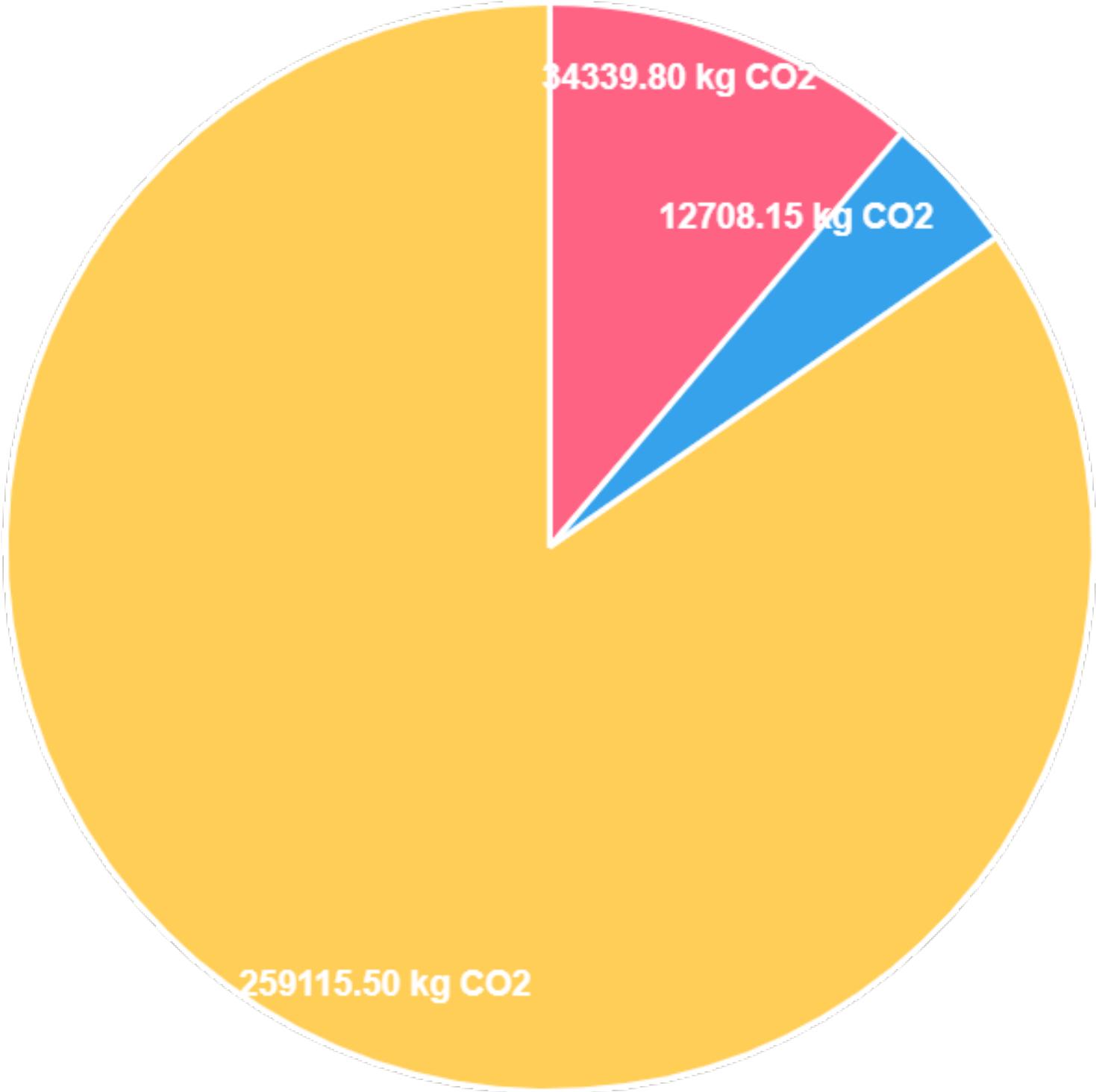
Remaining Emissions After Following Complete Steps: **0.00 kg CO₂**

Neutralisation Pathway Chart

Carbon Neutralization Pathways







Excavation Transportation Equipment

