

# Emission Estimation Results

## Excavation

Total Emissions:  
**32637.00 kg CO<sub>2</sub>**  
Per Capita Emissions:  
**7.68 kg CO<sub>2</sub> per worker**  
Per Output Emissions:  
**0.13 kg CO<sub>2</sub> per ton**

## Transportation

Total Emissions:  
**130564.20 kg CO<sub>2</sub>**  
Per Capita Emissions:  
**30.71 kg CO<sub>2</sub> per worker**  
Per Output Emissions:  
**0.53 kg CO<sub>2</sub> per ton**

## Equipment

Total Emissions:  
**311671.60 kg CO<sub>2</sub>**  
Per Capita Emissions:  
**73.30 kg CO<sub>2</sub> per worker**  
Per Output Emissions:  
**1.27 kg CO<sub>2</sub> per ton**

## Total

Total Emissions:  
**474872.80 kg CO<sub>2</sub>**  
Total Per Capita Emissions:  
**111.68 kg CO<sub>2</sub> per worker**  
Total Per Output Emissions:  
**1.93 kg CO<sub>2</sub> per ton**

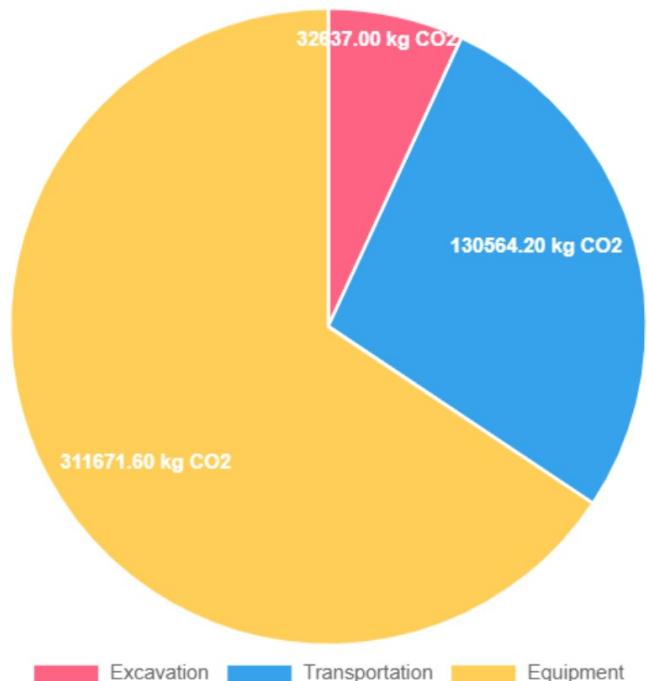
## Collected Info

Excavation (tons): **345**  
Transportation (km): **3524**  
Fuel Consumption (liters): **5445**  
Equipment Usage (hours): **4252**  
Number of Workers: **4252**  
Fuel Type: **coal**  
Emissions After Mitigation Policy: **2452**  
Annual Coal Production: **245452**

## Carbon credits

Baseline Emissions: **553171.30 kg CO<sub>2</sub>**  
Total Emissions: **474872.80 kg CO<sub>2</sub> equivalents**  
Emissions after taking mitigation policies:  
**2452.00 kg CO<sub>2</sub> per ton**  
Total carbon credits: **550719.30 per ton**  
The net worth of the carbon credits are:  
**23130210.60\$ 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: **474872.80 kg CO<sub>2</sub>**

Target Carbon Footprint To Be Neutralised: **474872.80 kg CO<sub>2</sub>**

## EV Transportation

CO<sub>2</sub> Reduction Obtained By Converting 100% Of Transportation To EV: **704.80 kg CO<sub>2</sub>**

## Green Fuel

CO<sub>2</sub> Reduction Obtained By Replacing 100% Fuel With Green Fuel: **2722.50 kg CO<sub>2</sub>**

Remaining Emissions To Be Reduced After Following Above Steps: **471445.50 kg CO<sub>2</sub>**

## Afforestation

Land Required For Afforestation To Neutralise The Remaining Emissions: **214293.41 hectares**

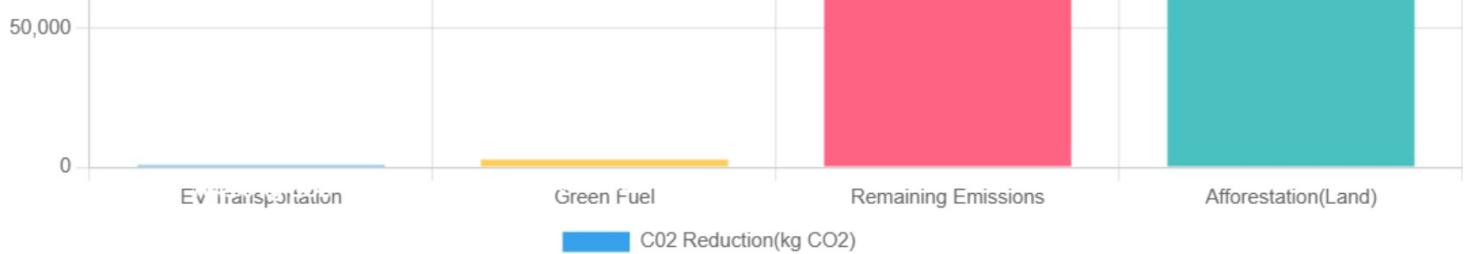
Estimated Electricity Savings: **142461.84 MWh**

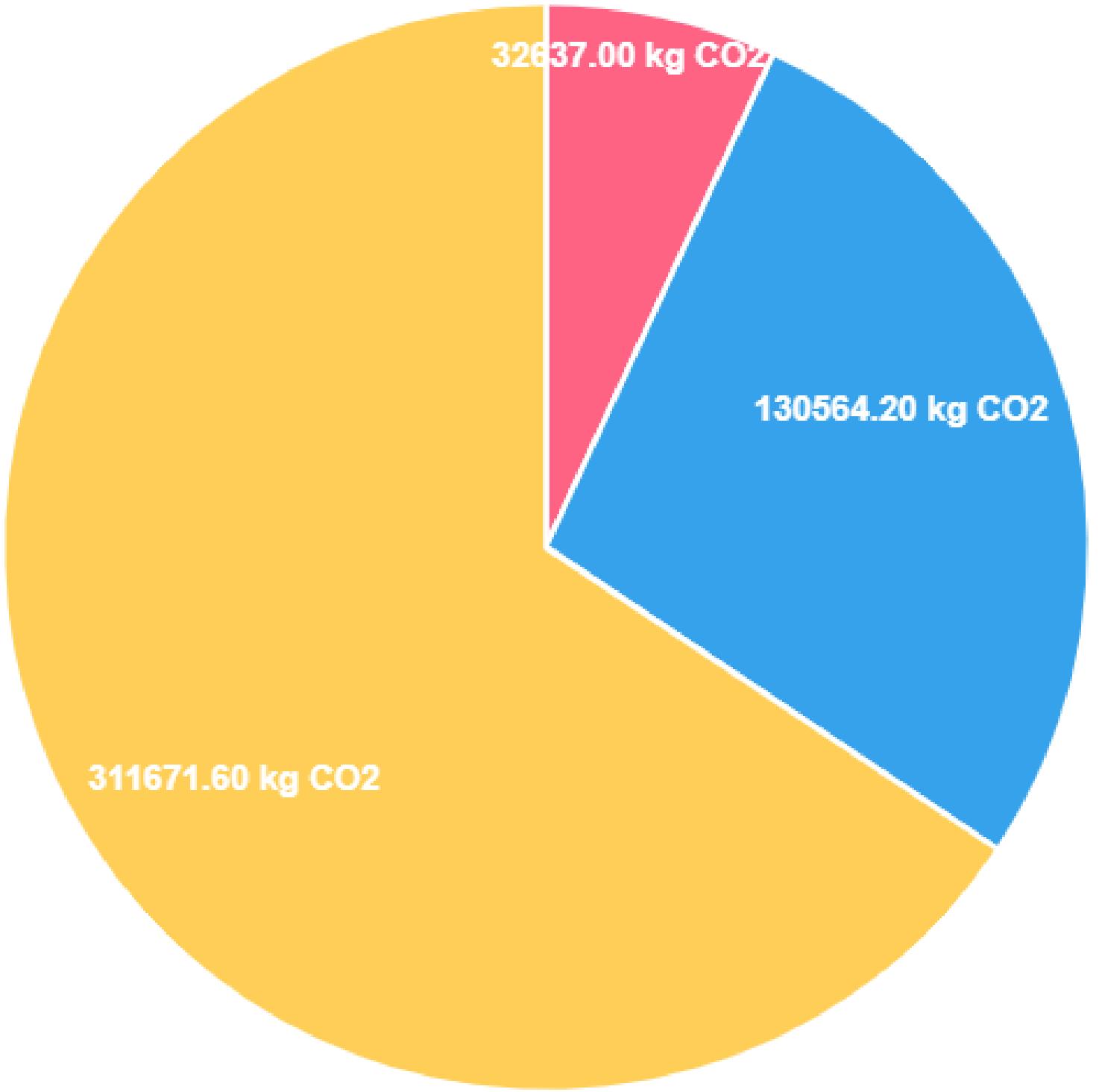
Remaining Emissions After Following Complete Steps: **0.00 kg CO<sub>2</sub>**

## Neutralisation Pathway Chart

### Carbon Neutralization Pathways







Excavation      Transportation      Equipment

