Emission Estimation Results

Excavation
Total Emissions: **43137.60 kg CO2**
Per Capita Emissions: **77.59 kg CO2 per worker**
Per Output Emissions: **0.06 kg CO2 per ton**

Transportation
Total Emissions: **20970.30 kg CO2**
Per Capita Emissions: **37.72 kg CO2 per worker**
Per Output Emissions: **0.03 kg CO2 per ton**

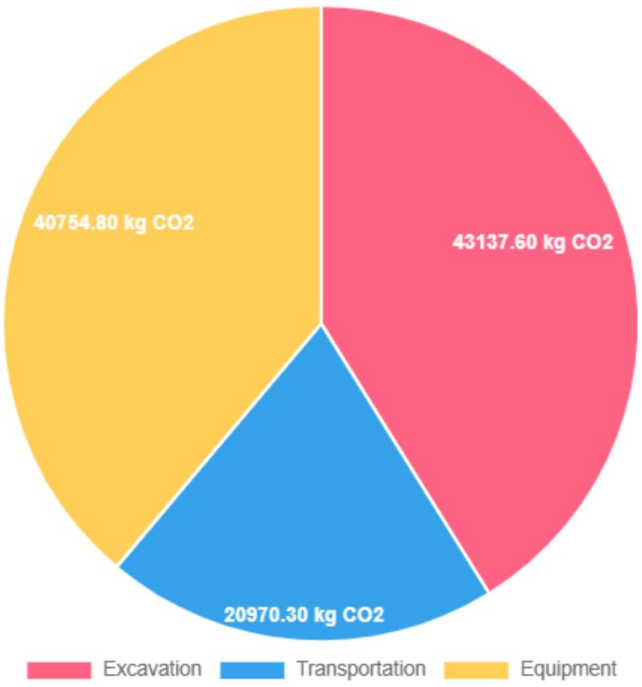
Equipment
Total Emissions: **40754.80 kg CO2**
Per Capita Emissions: **73.30 kg CO2 per worker**
Per Output Emissions: **0.06 kg CO2 per ton**

Total
Total Emissions: **104862.70 kg CO2**
Total Per Capita Emissions: **188.60 kg CO2 per worker**
Total Per Output Emissions: **0.15 kg CO2 per ton**

Collected Info
Excavation (tons): **456**
Transportation (km): **566**
Fuel Consumption (liters): **567**
Equipment Usage (hours): **556**
Number of Workers: **556**
Fuel Type: **coal**
Emissions After Mitigation Policy: **6778**
Annual Coal Production: **688899**

Carbon credits
Baseline Emissions: **1516949.94 kg CO2**
Total Emissions: **104862.70 kg CO2 equivalents**
Emissions after taking mitigation policies: **6778.00 kg CO2 per ton**
Total carbon credits: **1510171.94 per ton**
The net worth of the carbon credits are: **63427221.48$ per ton**

Total Emissions Breakdown



Explore Neutralisation Pathways

Electric Vehicle Conversion:

100%

Neutralize Footprint:

100%

Shift to Green Fuel:

100%

Neutralisation Pathways To Achieve 100% Of The Carbon Footprint

Total Carbon Footprint: **104862.70 kg CO2**

Target Carbon Footprint To Be Neutralised: **104862.70 kg CO2**

EV Transportation

CO2 Reduction Obtained By Converting 100% Of Transportation To EV: **113.20 kg CO2**

Green Fuel

CO2 Reduction Obtained By Replacing 100% Fuel With Green Fuel: **283.50 kg CO2**

Remaining Emissions To Be Reduced After Following Above Steps: **104466.00 kg CO2**

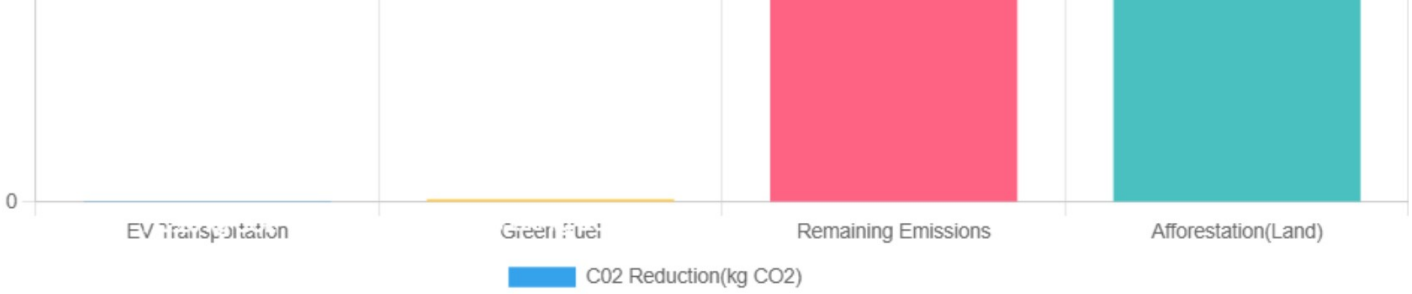
Afforestation

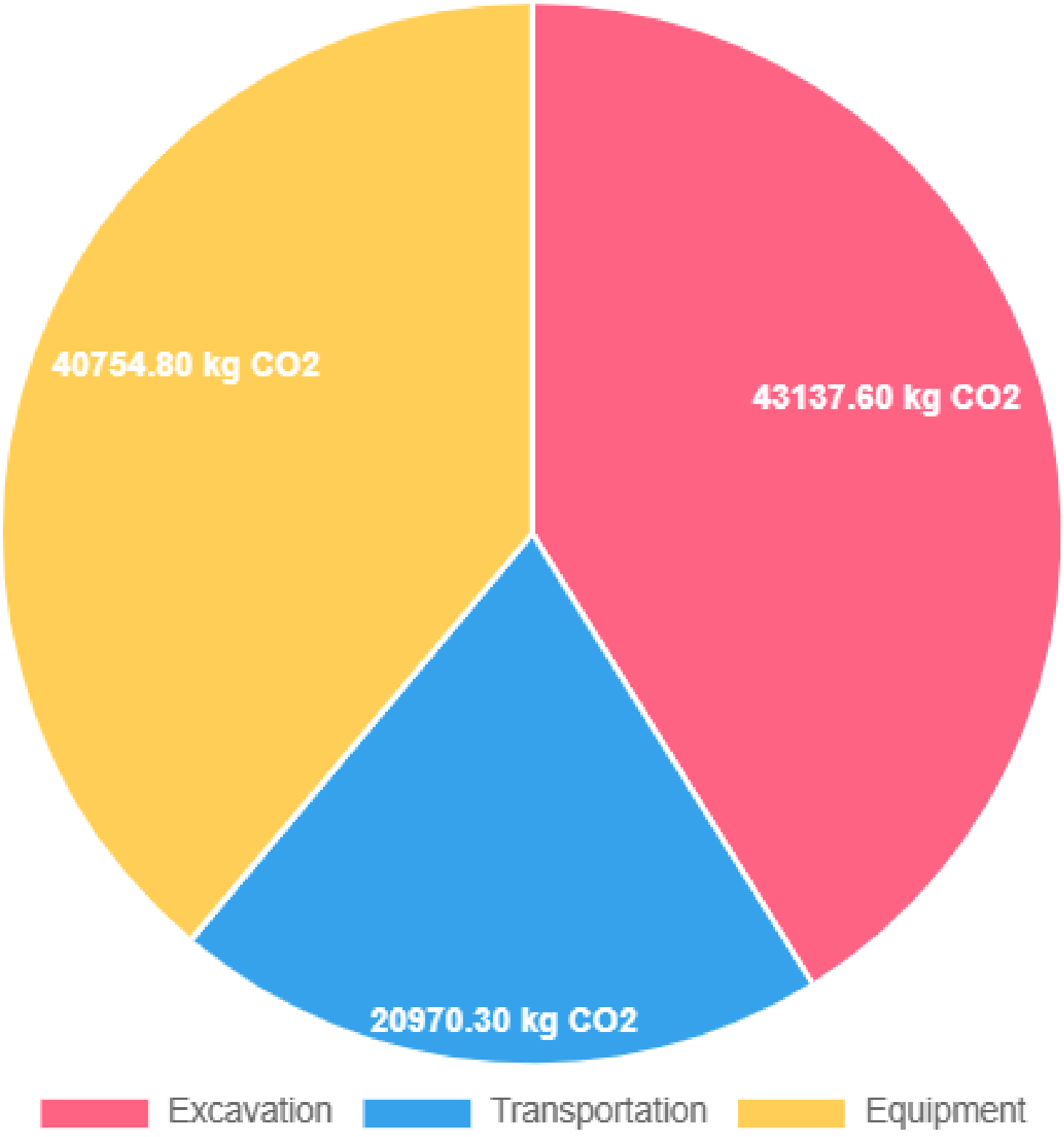
Land Required For Afforestation To Neutralise The Remaining Emissions: **47484.55 hectares**

Estimated Electricity Savings: **31458.81 MWh**

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

Neutralisation Pathway Chart


0
EV Transportation
Green Fuel
Remaining Emissions
Afforestation(Land)
C02 Reduction(kg CO2)


40754.80 kg CO2
43137.60 kg CO2
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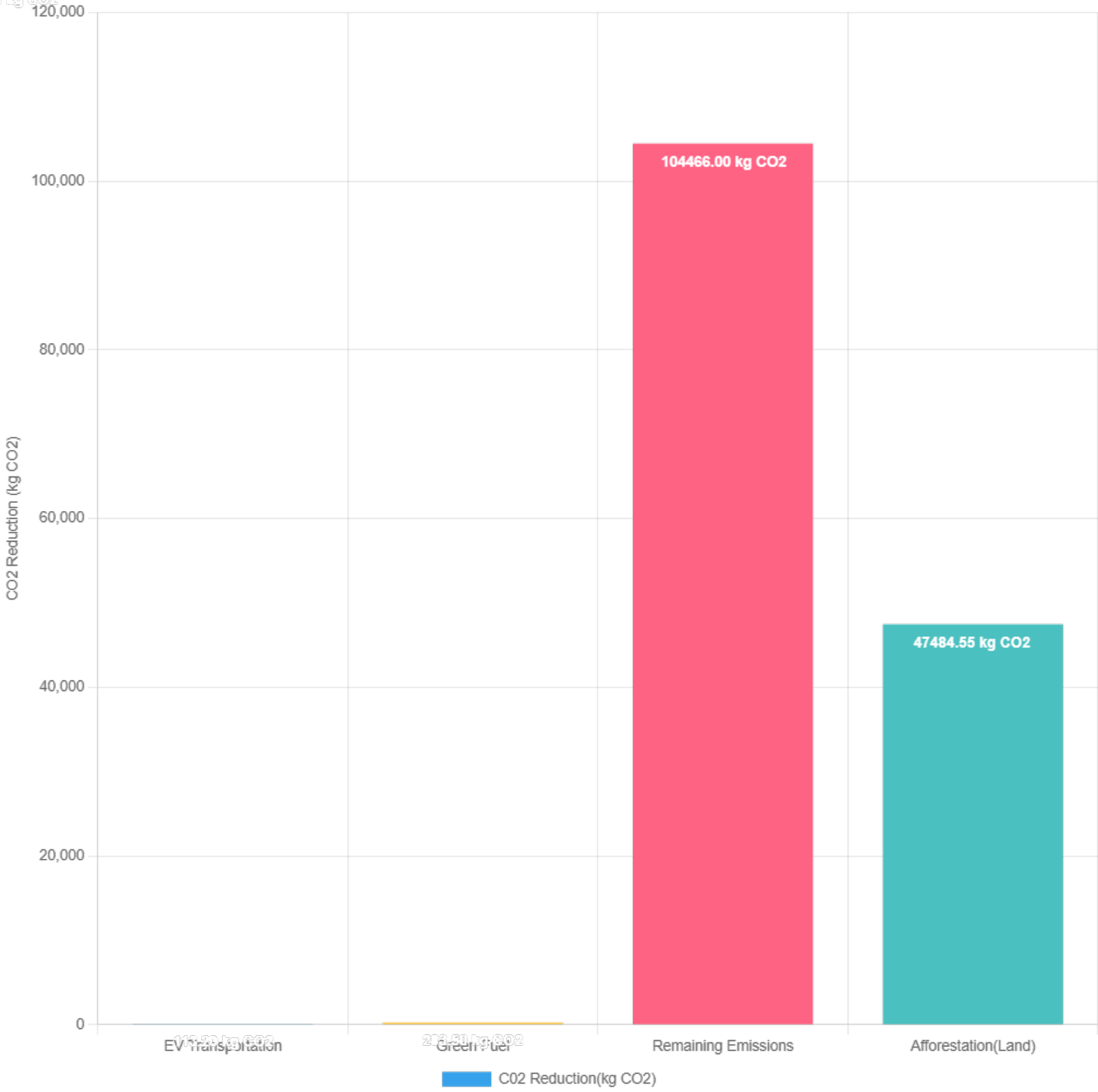
Excavation
Transportation
Equipment


120,000
100,000
80,000
60,000
40,000
20,000
0
CO2 Reduction (kg CO2)
104466.00 kg CO2
47484.55 kg CO2
EV Transportation
Green Fuel
Remaining Emissions
Afforestation(Land)
C02 Reduction(kg CO2)