

#### **Disclaimer for CO<sub>2</sub> Sequestration and O<sub>2</sub> Generation Potential:**

1. **CO<sub>2</sub> Sequestration Potential:** The estimated carbon sequestration is calculated using universally accepted formulas based on scientific research. Each tree is considered to absorb approximately **20 kg of CO<sub>2</sub> per year**. The total CO<sub>2</sub> absorption is determined by multiplying the number of trees planted by this factor. This estimation follows standard methodologies used in environmental impact assessments and afforestation programs worldwide. However, actual sequestration rates may vary due to species type, age, soil conditions, and climatic factors.
2. **O<sub>2</sub> Generation Potential:** The oxygen generation potential is calculated based on a widely recognized estimate that a mature tree produces approximately **117 kg (or 260 pounds) of oxygen per year**. The total oxygen produced is determined by multiplying this factor by the number of trees planted. These figures are derived from established forestry and environmental studies and provide an approximate measure of the oxygen contribution of trees. However, actual oxygen production may fluctuate based on tree species, growth rates, and environmental conditions.

These values serve as indicative metrics for assessing the environmental impact of tree plantation projects and are derived from scientific literature and universally accepted calculations.