

## Indian Institute of Management Indore Carbon Sequestration Assessment Report

A comprehensive assessment of carbon sequestration potential at the Indian Institute of Management Indore was conducted by EcoMorphosys using methodologies outlined by Ravindranath and Ostwald (2007) in Carbon Inventory Methods: Handbook for Greenhouse Gas Inventory, Carbon Mitigation and Roundwood Production Projects and guidelines published by the Intergovernmental Panel on Climate Change (IPCC) in 2006 and 2019.

The assessment evaluated sequestration potential across four carbon pools: above-ground biomass, below-ground biomass, litter and deadwood, and soil organic carbon to reveal a stock of 15,292.40 tonnes carbon across IIM Indore campus with an average of 250.70 tonnes per hectare. A total of 18,000 –20,000 tree individuals were recorded, of which 18,586 trees from 94 species with a girth exceeding 30 cm were documented.



| Carbon Stocks Summary in tonne Carbon |               |
|---------------------------------------|---------------|
| Above & Below Ground Biomass Carbon   | 15,021        |
| Litter & Dead Biomass Carbon          | 74.1          |
| Total Organic Soil Carbon             | 196.9         |
| <b>IIM Indore Carbon Stock</b>        | <b>15,292</b> |
| Area in hectares                      | 61            |
| <b>Carbon Stock per hectare</b>       | <b>250.70</b> |

This value is currently a baseline and will increase as trees mature and green cover expands. Conducting this assessment in three years will yield an annual carbon sequestration rate that directly strengthens IIM Indore's Net Zero Roadmap.