2



Determining scale and calculating area is the first and mandatory step in selecting a carbon site for the project. We obtained the ratio as 1 cm : 1826.8 cm



Mapping Carbon storage site

= 91.34 m x 91.34 m = 8,342.99 sq. m Area of each

Total area:

Site Details

quadrant: =45.67 m x 45.67 m = 2085.75 sq. m



Tree verification group: we used Aerial Map to identify the trees in each quadrant. We used appropriate numbering to track the trees.

> Tree species group: we used Tree Identification Guide and Species Groups List to identify the tree species and their scientific names.

6.

Tree circumference group: we measured the circumference of the trees and filled up the Tree Data Entry Sheets.

We took measurement of about 75 trees in our site and entered all the data int GLOBE database.

The biomass of shrubs



and herbaceous were taken to obtain the amount of carbon stored in them. We measured 25 shrubs and herbaceous from three different sample sites.

Carbon is the most abundant element in living things. It accounts for 45-50% of the total mass of the biosphere. It is also present in the Earth's atmosphere, soil, oceans, and crust.

12.



Summary of the carbon
stored in the vegetation
of our schoolvard.

Data analysis using the GLOBE visualization system.



Our carbon footprint

We calculated Net Primary Productivity to understand the pattern in which biomass and carbon storage change over years.