

## *Phyllanthus emblica* L.

### **Systematic Position**

Kingdom: Plantae

Phylum: Tracheophyta

Class: Magnoliopsida

Order: Malpighiales

Family: Phyllanthaceae

Genus: *Phyllanthus* L.

Species: *Phyllanthus emblica* L.

**Popular names:** Indian gooseberry, Amla, Emblic myrobalan, Emblic, Malacca tree, Aonla, Amlaki, Aungra, Aunra, Avla.

**Nature:** Tree

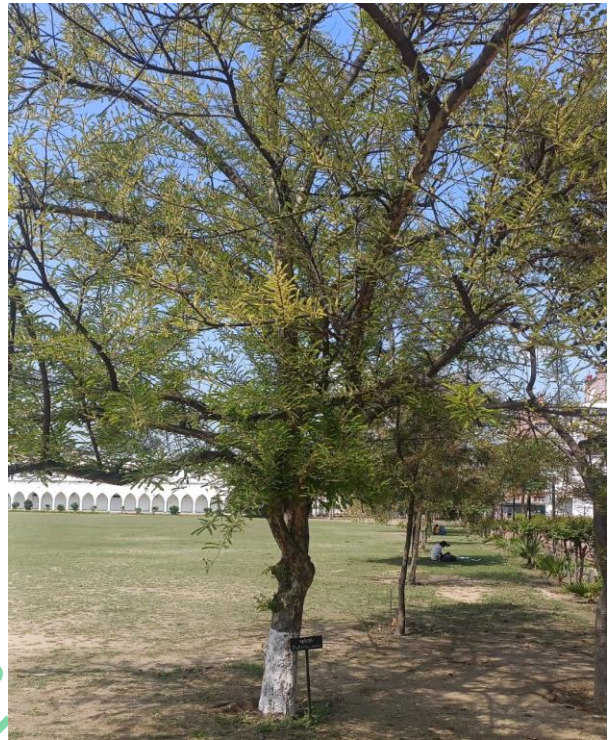
**Flowering time:** March to April

**Fruiting time:** August to September

**Plant distribution:** It is native to China, Taiwan, Indian subcontinent (i.e. India, Pakistan, Bhutan, Nepal and Sri Lanka) and South- Eastern Asia (i.e. Cambodia, Myanmar, Indonesia, Thailand, Malaysia and Vietnam). In India, it is widespread in Uttar Pradesh.

### **Gardening notes:**

1. It requires full sun and partly shade day.
2. It requires sandy loam to clay and well-drained soil.
3. Propagation: By seeds, green wood cuttings, layering and grafting.



**Economic importance:**

1. Fruits are used to make jam, jelly and chutneys.
2. Fruits, leaves and bark are used in tanning.
3. Fruit is great source of Vitamin C, amino acids and minerals.
4. Leaf paste is applied on wounds.
5. Leaf juice is used to cure diarrhea and scorpion sting.
6. Fruit juice along with honey and turmeric powder is used in Diabetes.
7. Fruits are used for making triphala churan for constipation.

**Plant description:** It is small to medium sized, deciduous tree.

**Root-** Tap root and branched; **Stem-** Aerial, erect, woody, cylindrical, bark grey, thin, flaked off in irregular scales to expose yellow-brownish under bark.

**Leaf-** Simple, dorsal bright green colored and paler ventral, glabrous, subsessile, oblong shape, obtuse apex, entire margin

**Inflorescence-** Axillary cymes.

**Flower-** Dioecious, male flowers at the base of branches and female flowers are fewer on upper part.

**Fruit-** Drupe, look like goose berries, subglobose, clustered along branches, yellow green colored, 6-8 faint lines from base to apex, translucent skin, fleshy and juicy pulp with one stone inside.



Closer view



Bark



Twig



Leaf arrangement



Simple leaves



Subsessile leaves



Inflorescence



Fruits



Seed

Flora