

## Planting trees in small building plots for Pune city

### Plantation and care

The best time to plant is in April **if** the plants can be watered regularly until the rains in June. Dry days of summer force the roots of trees to grow fast and in downward direction. Else if plants cannot be watered, they could be planted during the first two weeks of June.

### Tree Guards

Tree guards must protect all saplings on the roadside. Plants must be regularly watered in summer. Tree Guard made of Iron bars around tree should have 3 legs minimum and be grounded in soil by concrete base around the legs. Cost around Rs600/- to 800/-. Is sometimes stolen as can be recycled or sold for its iron value. You could have brick and cement tree guard with alternate brick missing for providing ventilation. Cost around Rs300/- to 500/- Especially if a number of tree guards are to be made then first plant the tree then get a contractor to make the guard around it.

### Soil

Red "poyta" + soil that came out while digging + well decomposed cattle dung (non fresh) in a proportion of 2:4:1. All these components should be thoroughly mixed when dry and heaped on the side. Pit should be filled just prior to planting so that the sides of the pit get well exposed to sunlight and air.

### Varieties

Indian/local/native varieties must be preferred as they are locally available, climatically appropriate and have a better chance of survival. They can support birds and butterflies (it's not that non-natives doesn't attract them but it is better to go for natives when there is option available), need less care (water, fertilizers or pesticides) and are hardy species. Further if you will look around the city, you will find already a very high percentage of trees that are from other countries and we call them Exotic trees. So why not encourage to plant Indian local species. If you ask nurseries for saplings of Indian trees, then a year later you will find that they will start stocking them too. As of now they stock more of exotic species, as citizens ask for exotics.

### Availability

Medicinal Plants Conservation Centre-Rural Communes - Mr Banudas Chavan 24269418, 24270216 or Mobile 9881872611 (between 6.30 & 8 pm)

Oikos Ecological Services contact Ketaki or Mansi (o) 65289576 M-98226-59804

Mr Kisan Disale-9423242309 Nursery near Hinjewadi.

Sufalam farm on Wakad road is very good for saplings of 3-4-5 ft height.

Most of mentioned trees are available there. Contact Mr. Chaudhary 27274388

NKU Agro, J.M Rd, Shivajinagar, Mr Tosh Naik

Empress Gardens Nursery timings 8:30am to 5pm, closed on Friday

Forest Research Nursery, Adjoining Empress Gardens (Near the road to Sopan Baug) 26361865 (Contact Mr Borade, Range Forest Officer.)

Om Nursery (Wadgaon Maval) has good collection of large saplings.

Common name	Latin name	S-small M-medium L-Large	Evergreen/ deciduous	Reasons	Comments
<b>Flowering or Ornamental trees</b>					
Sita Asoka	<i>Saraca ashoka</i> ( <i>Saraca indica</i> )	small - medium	evergreen	provides good shade Lovely Red orange flowers in a bunch, quite like Ixora	R
Gamari or Gamhar or Shewan or Shivan	<i>Gmelina arborea</i>	small - medium	deciduous	Fast growing tree. Straight trunk, large flowers yellow in March-April. Fruit	Medicinally important bark and roots. R

					edible to cows and goats, provides good shade	
	Pangara Indian Coral Tree	<i>Erythrina suberosa</i> <i>E. indica</i> <i>E. stricta</i>	Medium	Deciduous	Lovely flowering tree in springtime. Flowers bright scarlet colour and catch ones attention. Prickly trunk	G. Bldg.
	Dhak Palash (M) Flame of forest	<i>Butea monosperma</i>	Medium	Deciduous	Clusters of fiery orange blossoms give it the tree name flame of forest. Orange liquid colour is made during <i>Holi</i> festival by simply soaking the flowers in water for 20mins or so.	G. Bldg.
	Harshringar, Parijatak (M) or Coral Jasmine	<i>Nyctanthes arbor-tristis</i>	small	deciduous	Grows fast White flowers with orange stick, used for <i>pooja</i> Good for gardens and society	Not good for roadside plantation as too many branches tend to emerge from base and branches tend to droop
	White Kachnar	<i>Bahunia alba</i>	small		White flowers on a leafless tree -spring time.	
<b>Evergreen and shade providers</b>						
	Ironwood tree Nag kesar	<i>Mesua ferrea</i>	small-medium	evergreen	Fragrant, White rose like flowers in Feb-April Handsome evergreen tree	R
	Jack Fruit tree Kathal (H) Phanas (M)	<i>Artocarpus heterophyllus</i>	medium-large	evergreen	Edible fruits. Tree more or less grows straight. Not too many branches. Short trunk and dense crown	R
	Sone Chafha (M)	<i>Michelia Champaca</i>	S-M	evergreen	<i>Kesari</i> white/ yellow flowers with loads of fragrance More or less evergreen and small tree. Flowers used in puja.	R
	Putranjiva Life giving tree	<i>Putranjiva roxburghii</i>	small-medium	evergreen	Evergreen graceful tree. Regarded as auspicious (protects from evil). Can be used as wall screening.	G. Bldg.
	Elephant apple tree Chalta	<i>Dillenia indica</i>	Medium	Nearly evergreen	A handsome tree near evergreen with dense canopy. A tree is in center of Shakharnagar PMC garden.	R
<b>Evergreen</b>						
	Fish tail palm	<i>Caryota urens</i>	tall	Evergreen	Called fishtail palm due to its resemblance of the ragged ends of its leaflets with a fish's tail	
<b>Fruiting trees</b>						
	Mango	<i>Mangifera indica</i>	medium-large		Grows slow Leaves needed for all puja by ladies of Society.	R

	Jamun Lebndi Jamun	<i>Syzygium cumini</i>	large		Fruits in June. Much sought after fruit by children	R
	Bel	<i>Aegle marmelos</i>	Small		Religious, medicinal Fruiting	Moderate growth rate and needs good sun and well- drained soil.
	Coconut		tall		One should be aware that the fruit if falls on head or vehicle it can damage. Note however its such a popular tree that citizens still plant it and number of them can be seen in all kinds of plots	G, Bldg
	Awala Amala	<i>Phyllanthus emblica</i>	Mediu m		Fruit rich source of vitamin 'C' and used for eating just like that with salt or pickled and sherbets	G
	Kokum	<i>Garcia indica</i>	Mediu m	Evergreen	Nice shape and grows straight Fruit is dried and used in curries to give tartness taste	G, Bldg,
Other trees						
	Chikrassy Indian redwood East Indian Mahagony	<i>Chukrasiatab ularis</i>	large		Tends to grow straight	R

References:

- 1) The book of Indian Trees by K.C. Sahni, BNHS publication
- 2) Trees for Landscaping by L.M. Mathur, V.N. Nerikar (Non published)
- 3) Trees of Delhi by Pradip Krishen published by DK
- 4) CD on Native plants of Maharashtra marketed by Oikos Ecological services

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Pune Tree Watch

Kalpavriksh

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