



ROADSIDE TREES OF UTTARA KANNADA DISTRICT, KARNATAKA

Vishnu D. Mukri, Sumesh N. Dudani, M.D. Subash Chandran and T.V. Ramachandra
Energy & Wetlands Research Group, Centre for Ecological Sciences, Indian Institute of Science
Bangalore – 560 012.



INTRODUCTION

- >With the road network continuously increasing at fast rate, roadsides occupy a very broad area in most of the countries.
- >Indian roadsides are often neglected places used for dumping of wastes and not much care given for beautification or planting except in some places.
- >Wherever plantings are done in the usual manner there is not much regard for ecological conditions or consideration of local demands.
- >This study is about how best roadsides can be made more eco-friendly through well-designed tree planting using appropriate native tree species than exotic ones.

IMPORTANCE OF ROADSIDE VEGETATION

- ❖Creation of adequate sight distances and hazard-free zones
- ❖Extended life of pavement and improved cost-effectiveness of construction activities
- ❖Improved soil, water and overall air quality
- ❖Increased biodiversity and native plant communities
- ❖Reduced number of invasive plants and weeds
- ❖Beautifying appearance of roadways due to native grasses and wild flowers
- ❖Provides pleasant experience for travelers

MAINTENANCE OF ROADSIDE VEGETATION

- ✓Selection and plantation of species based on location, type and environment of the roadways.
- ✓Involvement of local population in plantation and creating awareness about its benefits.
- ✓Development of management system for maintaining necessary records and information.
- ✓Hire, train and dedicate crews for maintenance of roadside vegetation.
- ✓Regulate the over-exploitation of natural resources along the roadsides by the local people.

FLOWERING TREES FOR ROADSIDE PLANTATIONS



Saraca asoca



Cassia fistula



Michelia champaca



Pongamia pinnata



Butea monosperma



Albizia lebbek

FRUITING TREES FOR ROADSIDE PLANTATIONS



Artocarpus heterophyllus



Garcinia indica



Calophyllum inophyllum



Mangifera indica



Phyllanthus emblica



Tamarindus indica



Bombax ceiba



Syzygium cumini



Ficus benghalensis

Table 1: List of proposed Tree species based on different locations in Uttara Kannada district

DESCRIPTION OF AREAS	PROPOSED TREE SPECIES FOR PLANTATION	LOCAL NAME	UTILITY	
Roadsides of sandy or low lying coastal areas	<i>Calophyllum inophyllum</i>	Honne mara	Flowering/Fruiting	
	<i>Pongamia pinnata</i>	Honge mara	Flowering/Fruiting	
	<i>Artocarpus heterophyllus</i>	Halsina mara	Fruiting	
	<i>Lagerstroemia flos-reginae</i>	Hole dasal	Flowering/Fruiting	
	<i>Mangifera indica</i>	Mavina mara	Flowering/Fruiting	
	<i>Syzygium cumini</i>	Nerlu	Flowering/Fruiting	
	<i>Ficus benghalensis</i>	Aalda mara	Fruiting	
	<i>Michelia champaca</i>	Sampige mara	Flowering	
	<i>Phyllanthus emblica</i>	Nelli	Fruiting	
	<i>Tamarindus indicus</i>	Hunase mara	Fruiting	
Lateritic terrain roads	<i>Sapindus laurifolius</i>	Antalkai mara	Fruiting	
	<i>Artocarpus gomezianus</i>	Wante mara	Fruiting	
	<i>Garcinia indica</i>	Murugal mara	Fruiting	
	<i>Cassia fistula</i>	Kakkai mara	Flowering/Fruiting	
	<i>Zanthoxylum rhetsa</i>	Jummina mara	Fruiting	
	<i>Terminalia bellerica</i>	Tare mara	Fruiting	
	<i>Mammea suriga</i>	Surige mara	Flowering/Fruiting	
	<i>Caryota urens</i>	Barni mara	Fruiting	
	<i>Mimusops elengi</i>	Ranjla mara	Flowering/Fruiting	
	<i>Strychnos nux-vomica</i>	Kasarkana mara	Fruiting	
Heavy rainfall areas with non-lateritic soils	<i>Vateria indica</i>	Dhooa mara	Flowering/Fruiting	
	<i>Saraca asoca</i>	Ashoka mara	Flowering	
	<i>Mesua ferrea</i>	Nagasampige mara	Flowering/Fruiting	
	<i>Garcinia gummi-gutta</i>	Uppage mara	Fruiting	
	<i>Artocarpus hirsutus</i>	Hebbalsu mara	Fruiting	
	Eastern low rainfall areas	<i>Madhuca indica</i>	Hippi mara	Flowering
		<i>Aegle marmelos</i>	Bilipatre	Fruiting
<i>Albizia lebbek</i>		Shirish	Flowering	
<i>Pterocarpus marsupium</i>		Netra Honne	Fruiting	
<i>Diospyros montana</i>		Balagunike	Fruiting	
<i>Anogeissus latifolia</i>		Dindigalu mara	Flowering	
<i>Bombax ceiba</i>		Buruga mara	Flowering/Fruiting	
<i>Alstonia scholaris</i>		Haale mara	Flowering	
<i>Butea monosperma</i>	Muthuga	Flowering		

CONCLUSION

In the case of district like Uttara Kannada, the roads are mostly constructed through the forests there by, disturbing the natural vegetation. This paves in way for the entry of exotic species which through their gregarious growth hamper the overall ecology of the region. Hence, it is highly essential to focus on studies dealing with the overall ecology and management of roadside vegetation in order to maintain the ecological integrity of the prevailing natural ecosystems.

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PLANT AND SAVE THE TREE, IN ORDER TO MAKE ENVIRONMENT POLLUTION FREE