

**USE OF COASTAL SHELTERBELTS ALONG THE  
EAST COAST OF INDIA WITH SPECIAL REFERENCE  
TO TAMIL NADU & ANDHRA PRADESH**

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**COASTAL PLANTATIONS**

- Pre tsunami - for income generation  
- as wind breaks
- Post tsunami – Shelterbelts, livelihood



- Total coastal length of Tamil Nadu and Andhra Pradesh - 2069 km
- Total coastal area of Tamil Nadu and Andhra Pradesh - 17500 sq km
- Total mangrove area of Tamil Nadu and Andhra Pradesh - 750 sq km

### MAJOR PLAYERS IN THE SHELTERBELT PROGRAMME

#### Tamil Nadu

- Forest Department
- MSSRF
- Anawim
- CCD

#### Andhra Pradesh

- Forest Department
- MSSRF
- CCDP
- Sravanthi
- Sangamitra

#### TAMIL NADU

#### ANDHRA PRADESH

- Forest Department – 2000 hectares
- Anawim - 71.5 hectares
- MSSRF - 30 hectares ( Mangrove)  
- 6 villages ( Non mangrove)
- CCD -
- 100 hectares mangrove

### SPECIES PLANTED

- *Casuarina*
- *Anacardium occidentale*
- *Acacia planifrons*
- *Ficus benghalensis*
- *Madhuca longifolia*
- *Syzygium cumini*

### AREAS AVAILABLE FOR PLANTATION

- Community lands
- Revenue lands
- Private lands

### COMMUNITY EFFORT



### PRIVATE LANDS

- Collaborative venture
- Rubber Board model of Kerala

### TROPICAL DRY EVERGREEN FOREST

*On approaching the east coast in Chengleput district, a type of forest is met which is semi evergreen in character. Many of these species are quite different. Much of the undergrowth and shrubs retain their leaves with the result that we never get completely leafless appearance.*

Wimbush (1935)

Tamil literature – Neydhal landscape

### MULTI PURPOSE PLANTS FOR THE EAST COAST

- *Morinda pubescens*
- *Pongamia pinnata*
- *Borassus flabellifer*
- *Dendrocalamus strictus*
- *Calophyllum inophyllum*
- *Thespesia populnea*
- *Sapindus emarginatus*

## COMMUNITY PARTICIPATION

- Species selection
- Dimensions of shelterbelts



## SCIENTIFIC INPUT

- Species selection
- Direction of shelterbelts
- Linking educational institutions



**Thank you**