

**DIVERSION OF FOREST LAND FOR  
RESTORATION OF RAILWAY CONNECTIVITY  
BETWEEN RAMESWARAM AND  
DHANUSKODI IN RAMESWARAM RESERVED  
FORESTS OF RAMANATHAPURAM FOREST  
DIVISION**

## **PROJECT PROPOSAL DETAILS**

1)	Proposal No.	:	FP/TN/RAIL/152033/2022
2)	Name of Project for which Forest Land is required	:	Restoration of Rail connectivity between Rameswaram and Dhanushkodi
3)	Short narrative of the proposal and Project for which the forest land is required	:	Providing Connectivity between Rameswaram and Dhanushkodi
4)	Category of the Proposal	:	Railway
5)	Shape of forest land proposed to be diverted	:	Linear
6)	Area of forest land proposed for diversion	:	28.6132 Ha.
7)	Name of Reserved Forest in which proposed land falling	:	Rameswaram Reserved Forests Ramanathapuram Division

**Toposheet Map of proposed restoration of Rail connectivity between Rameswaram and Dhanuskodi across Rameswaram R.F. in Rameswaram Taluk, Ramanathapuram District.**





## **ECOLOGICAL SIGNIFICANCE OF THE PROPOSED AREA**

- The Proposed railway line covers Sand dunes of Pamban island.
- Coastal Sand dunes acts as wind breaks, shoreline stabilisers, protect against storm surges, efficient dissipaters of wave energy.
- The protective role of coastal sand dune fields in the wake of extreme events is well documented globally.
- Coastal sand dunes and natural swales in the area are vital in maintaining the water table in the areas to sustain the livelihood of local communities.

## **ECOLOGICAL SIGNIFICANCE OF THE PROPOSED AREA**

- Dunes are highly dynamic topographic features and may undergo rapid changes when not anchored by vegetation. They may move inland as a result of onshore winds and may be eroded by wave action and high water levels.
- A total of 1338 numbers of spontaneous trees in the proposed site will be felled.
- Razing of dunes and a consequent sediment deficit over time results in man induced erosion, shoreline recession, submergence of beaches and loss of wave absorption capacity of coastal dunes.

## **ECOLOGICAL SIGNIFICANCE OF THE PROPOSED AREA**

- The Proposed railway line crosses marine lagoon and mudflat areas which may lead to change in ocean currents.
- These marine lagoon and mudflats are important bird areas and habitat for migratory birds like flamingos.
- The proposed area lies adjacent to the notified sea turtle nesting sites.
- Since the area is highly unstable and prone to disasters, Dhanuskodi is devoid of permanent human habitations.

## **MAJOR SPECIES FOUND IN PROPOSED FOREST AREA**

### **Fauna:**

Migratory birds, Star tortoise, Black Napped Hare, Sand Boa, Brahminy kite etc., and marine species in the adjacent Sea.

### **Flora:**

Proposed site lies in the natural range of Tropical dry evergreen Forests which is a rare forest type.

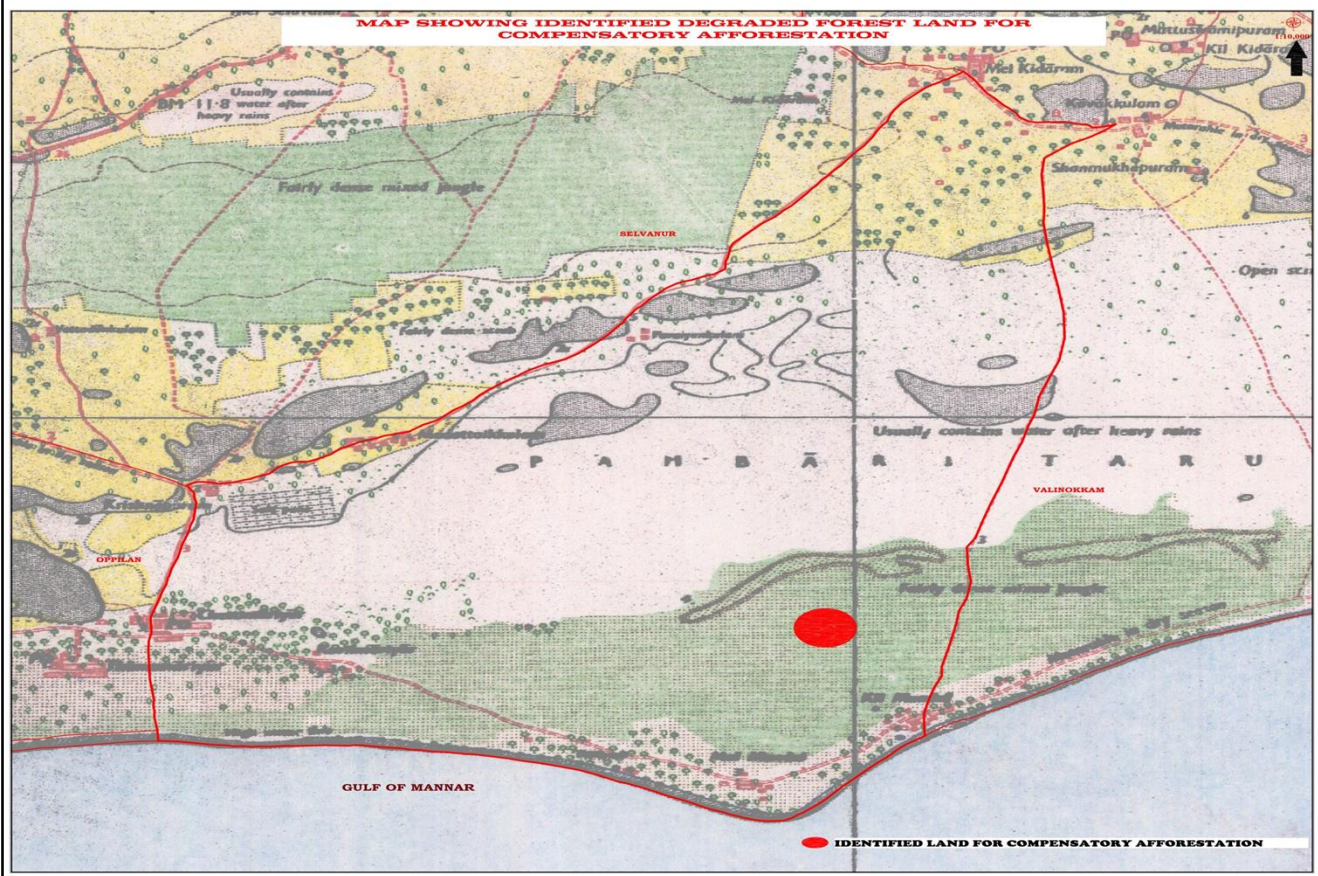
Casuarina, Cassine glauca, Azadirachta indica, Pandanus, Santalum album, Phoenix, etc.,



**COMPENSATORY AFFORESTATION LAND DETAILS**

1)	Forest Land identified for Compensatory Afforestation	:	Mariyur Reserved Forests, Ramanathapuram Division
2)	Area of forest land proposed for Compensatory Afforestation	:	57.5 Ha.
3)	Estimate Cost Proposed for CA	:	754.68 Lakhs

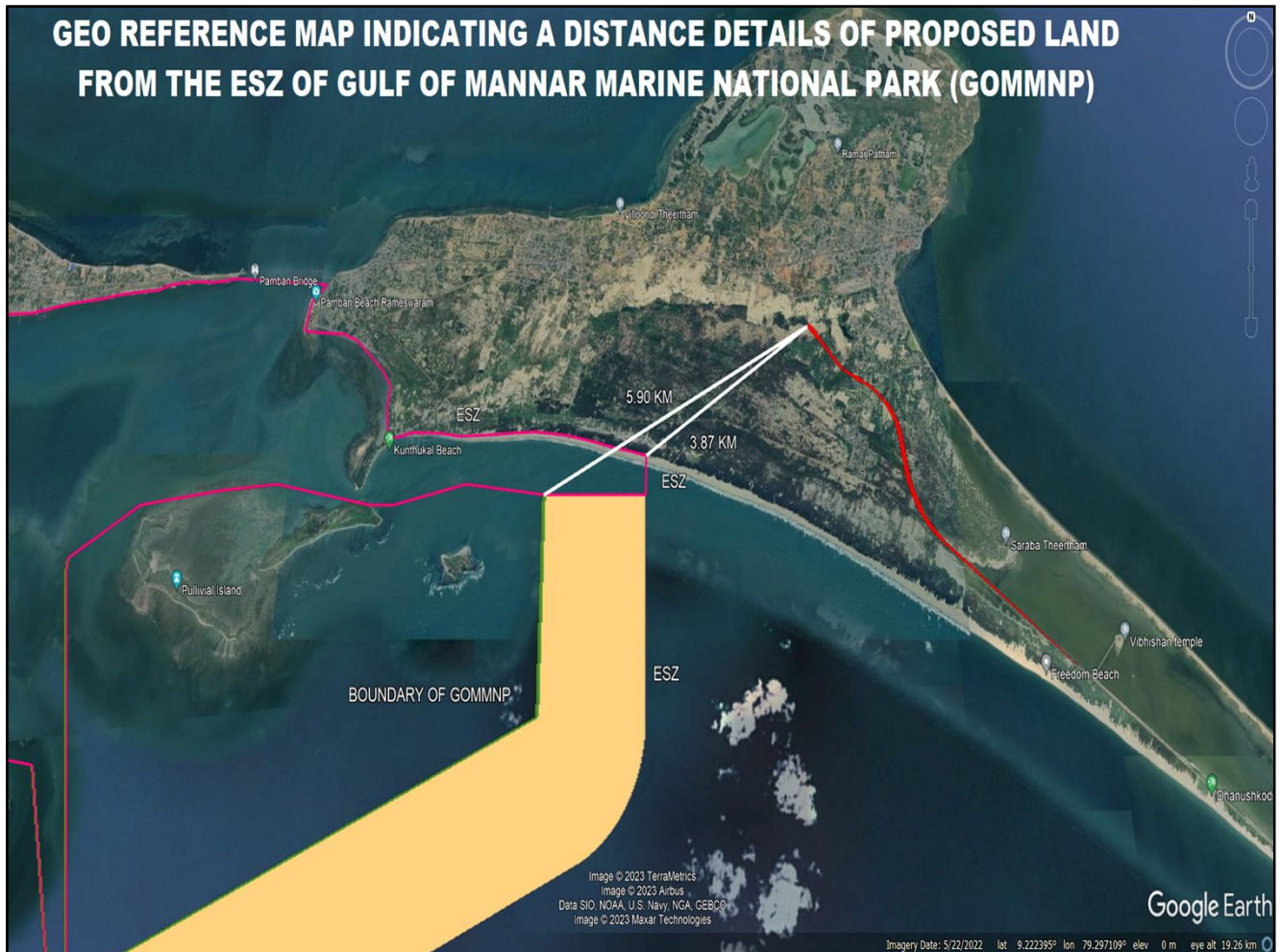
## PROPOSED COMPENSATORY AFFORESTATION LAND DETAILS



## PROPOSED COMPENSATORY AFFORESTATION LAND GEO REFERENCE MAP







## FIELD INSPECTION BY THE DFO, RAMANATHAPURAM





## FIELD INSPECTION BY THE CCF & FD, SMTR, MADURAI



## FIELD INSPECTION TAKEN BY THIRU. S.HEMANTH KUMAR, IFS., DEPUTY DIRECTOR GENERAL OF FORESTS (CENTRAL), RO, CHENNAI ALONG WITH RAILWAYS AND FOREST OFFICIALS



