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ABSTRACT

Forests – Creation of Bio-fence along forest boundary to improve the habitat of Slender Loris at Dindigul Forest Division - at a total cost of Rs.27.60 lakhs - under Tamil Nadu Innovation Initiatives Fund for the year 2017-2018 - Sanction - Orders – Issued.

Environment and Forests (FR.6) Department

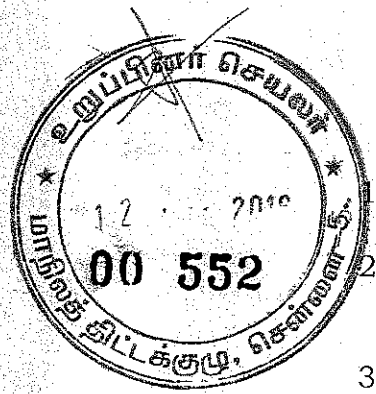
G.O.(D)No: 37

Dated: 07.02.2018

ஹேவிளம்பி, தை - 25

திருவள்ளூர் ஆண்டு - 2049

Read:



1. From the Principal Chief Conservator of Forests Ref.No.J1/24259/2017, dated: 06.09.2017.
2. From the Member Secretary, State Planning Commission, Letter No.1644/SPC(PC)/2017, dated: 14.11.2017.
3. From the Principal Chief Conservator of Forests Ref.No.J1/24259/2017, dated: 20.12.2017.

ORDER :

In the letter first read above, the Principal Chief Conservator of Forests has placed a proposal for "Creation of Bio-fence along forest boundary to improve the habitat of Slender Loris" before the State Planning Commission during Tamil Nadu Innovation Initiative (TANII) for the year 2017-2018 for an amount of Rs.37.60 lakhs, for implementing the scheme at Dindigul & Karur divisions.

2. In the letter second read above, the State Planning Commission has approved the project under TANII for Dindigul district for a length of 30 kms and accordingly recommended the proposal at a restricted outlay of Rs.27.60 lakhs for Dindigul district only.

3. Accordingly, in the letter third read above, the Principal Chief Conservator of Forests has sent revised proposal for "Creation of Bio-fence along Forest boundary to improve the habitat of Slender Loris" for an amount of Rs.27.60 lakhs under TANII Fund for the year 2017-2018, for implementation in Dindigul Forest Division. He has also furnished the cost table, data sheet & model estimate for the proposed amount. The Principal Chief Conservator of Forests has furnished the detailed justification of the proposal as detailed below:-

...2...

Bio - Fence in Forest areas of Slender Loris Habitat

The slender loris is a small-sized nocturnal primate that is endemic to Southern India and Sri Lanka (Roonwal and Mohnot 1977). The gray slender loris is categorized as a Near Threatened species (Molur et al 2003, IUCN 2004); a recent conservation assessment of South Asian primates identified habitat loss, hunting and trapping for folk medicine as important survival threats to the Indian forms of the slender loris and predicted that population levels of the taxa were likely to decline in the future (Molur et al 2003). Surveys of the Mysore slender loris in Southern India yielded estimates of 0.4-3.6 animals/km in Dindigul, Tamil Nadu. Grey Slender Loris *lydekkerianus* is endemic to Ayyalur area.

Generally in Ayyalur forest area, the loris uses *Albizzia amara*, *Euphorbia* and *Commiphora* species as its feeding and Resting Habitat in Ayyalur area. These trees are found in Reserve Forest areas also. The increase of area of such habitat will help in better survival and increase of Loris population in the area. Of the three species suggested only *Albizzia amara* was used for plantation by SF divisions in the recent part. But *Euphorbia* and *Commiphora* are suggested as an innovation in this proposal. Both these species provide better hiding habitat for Loris during day time to protect them from predatory animals. Hence this proposal would be highly useful in providing better surviving habitat conditions for Slender Loris, which is highly endangered animal in the area.

This innovative initiative of establishing live fence with fodder / resting habitat species would help in increasing the suitable habitat area for Loris as well as it will help in restricting the movement of Loris outside Reserve Forest; as the enhanced habitat conditions would provide required food materials for the Loris within the RF areas & live fence area.

Objectives of the Project:

- To strengthen the boundary of Reserve Forest through bio-fence.
- To prevent forest encroachment.
- To Protect the Slender Loris from human, Stray dogs and Vulture, etc.,
- To increase feeding and breeding habitat for Slender Loris.
- To Protect the Reserved Forest from the cattles.

Methodology:

- Bio-fence materials such as Thirugu Kalli (*Euphorbia*) and Kiluvai will be collected from the Patta fields and will be planted along the boundary of Reserved Forests.

- It is proposed to erect bio-fence along the forest boundary in the following 4 models.
 - 1) Creation of bio-fence with Thirugukalli (*Euphorbia*) alone.
 - 2) Creation of bio-fence with Kiluvai (*Commiphora Caudata*)alone
 - 3) Creation of bio-fence with Kiluvai and Thirugukalli alternatively over a distance of 10m.
 - 4) Creation of bio-fence with Kiluvai and Thirugukalli alternatively over a distance of 50m.
- This bio-fence will be maintained for minimum of two years.

Project Area:

Name of Division	Name of Range	Name of Reserve Forest	Extent (in km)
Dindigul	Ayyalur	Ayyalur	10
		Pannamalai	
		Senguruchi Bit II & III	
		Panchanthangi	
		Thanneerkadu	
	Kannivadi	Kannivadi Block III	10
	Oddanchatram	Palani Hills Northen Slope	10
		Chathrapatti	
		Vennilai	
Dindigul Division Total			30

4. The Principal Chief Conservator of Forests has also stated that the out come of the Project is to:

- ❖ Improve the Feeding and Breeding habitat for slender loris through the bio fencing using the plant species highly preferred by Loris.
- ❖ Creation of Bio or life fence along the Reserve Forest boundary.
- ❖ This bio-fence will also protect the forests from encroachment.

5. The Government after careful consideration of the proposal of the Principal Chief Conservator of Forests sanction a sum of Rs.27.60 lakhs (Rupees Twenty seven lakhs and sixty thousand only)for "Creation of Bio-fence along Forest boundary to improve the habitat of Slender Loris", under Tamil Nadu Innovation Initiative (TANII) Fund for the year 2017-2018 to implement the scheme in Dindigul Forest Division, as per the cost table annexed to this order.

6.(i) The expenditure sanctioned in para 5 above shall be debited to the following head of account:-

"2406 Forestry and Wild Life - 02 Environmental Forestry and Wild life. 110 Wild Life Preservation. STATE'S EXPENDITURE. JN Creation of Bio-defence for improving habitats of slender loris in Dindigul District under State Innovation Fund - 09 Grants-in-Aid -03 Grants for Specific Schemes
(DPC - 2406 02 110 JN 0935)"

(ii) The expenditure shall be met from the State Innovation Fund by deducting under the following head of account:-

"2406 Forestry and Wild Life - 02 Environmental Forestry and Wild life - 902 Deduct - Amount met from State Innovation Fund. State's Expenditure. JA Deduct - Amount met from State Innovation Fund - 30 Inter- Account Transfers
(DPC - 2406 02 902 JA 3000)"

And Contra - debiting the following fund account:-

"J- Reserve Fund - (b) Reserve funds not bearing interest - 8229-00- Development welfare Funds - 200. Other Development and Welfare Funds - BE State Innovation Fund
(DPC -8229 00 200 BE 006) (Outgo)

7. Necessary funds have been included in the Supplementary Estimates 2017-2018.

8. This order issues with the concurrence of Finance Department vide its U.O.No.382/AHD&F/2018, Dated:06.02.2018.

(BY ORDER OF THE GOVERNOR)

**MD. NASIMUDDIN
PRINCIPAL SECRETARY TO GOVERNMENT**

To
The Principal Chief Conservator of
Forests (Head of Department), Ch-15.
The Pay & Accounts Officer (South), Chennai - 35.
The Principal Accountant General(A&E), Chennai-18.
The Accountant General - I/II, Chennai - 18.

Copy to :-

Finance (AHD&F) / (BG-II) Department, Chennai-9.
✓The Member Secretary, State Planning Commission, Ch-5.
The Planning Development and Special Initiatives Department, Chennai -9.
SF/SC

// FORWARDED BY ORDER //

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P. Santhi
Section Officer

Annexure to G.O. (D) No.37, Environment and Forests (FR.6) Department, dated:07.02.2018

COST TABLE - BIO - FENCING IN FOREST AREAS OF SLENDER LORIS HABITAT

Sl. No.	Description of work	Name of the Division	Name of Range	Type of Bio -fence	Unit	Unit Cost	No. of units	(Rs. in lakhs)
								Amount
1	Bio-fencing around the forest boundaries (including collection of Bio-fence material and planting the same around the forest boundaries)	Dindigul	Kannivadi	Kiluvai	km	0.88	10	8.80
2			Oddanchatram	Kiluvai (10m) and Thirugu Kalli (10m)	km	0.88	5	4.40
					km	1.00	5	5.00
3			Ayyalur	Kiluvai (50m) and Thirugu Kalli (50m)	km	0.88	5	4.40
					km	1.00	5	5.00
Dindigul Division Total							30	27.60
Dindigul Circle Total							30	27.60

MD. NASIMUDDIN
PRINCIPAL SECRETARY TO GOVERNMENT

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P. Sandhi
Section Officer

(Signature)