

GOVERNMENT OF KARNATAKA

Name of the Project

Human-Wildlife Conflict Mitigation
Deployment of Technology

Proposal submitted by Unit



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Total Project Cost

(Rs. in Lakhs)

Coverage / Area (in Ha) &

Block

All 7 Blocks in Mandya division

KARNATAKA FOREST DEPARTMENT



Project proposed under CSR Fund

Name of Work: Human-Wildlife Conflict Mitigation:-

- 1) Deployment of Technology

Project Cost:- 83.01 Lakhs

Mandya Forest Division, Mandya

Sub: Projects proposed by Karnataka Forest Department under Wildlife Sector for funding through KFWCCMF

Sector	Wildlife
Name of the Project	Human-Wildlife Conflict Mitigation:- 1) Deployment of Technology
Proposal submitted by Unit	<u>Mandya Forest Division, Mandya</u>
Total Project Cost (Rs. In Lakhs)	83.01
Coverage /Area (in Ha) & Forest Block	All 7 Ranges in Mandya division.
Project Duration- In Years	1 Years
Project Implementing Agency: Department/Funding Agency	Karnataka Forest Department.
Objective of the Project	Using technically upgraded equipments for forest protection works.
Output (Activities/ Quantity)	1) Purchasing of New high resolution drone cameras for rescue operation and to monitor man-animal conflict-02 No.s 2) Purchasing of New High version of Camera traps for monitoring wild animal movements and their behaviour -20 No.s 3) Purchasing of High accuracy GPS for forest related works-14 No.s
Justification/Essentiality	1) Drones: It required during animal rescue operation like Elephant, Tiger, Leopard capturing etc, and also it required during fire season to identify illegal movement in forest areas. 2) Camera traps: required to conduct Tiger Census and monitor the disposal of carcass of wild animals. And to monitor the movements of Elephant, Tiger, leopard. And helps to capture the illegal trespass. 3) GPS: required for forest survey and demarcation. Monitoring of D-Line identify the particular location and also it useful in crop compensation of Farmers. 4) Leopard Net, Leopard Cage: Nets are essential to protect wildlife from straying from the forest into human settlements and to safely relocate them to the forest.

<p>Outcome (3 measurable outcomes)</p>	<ol style="list-style-type: none"> 1) During any rescue operation we can identify animal movement with high resolution drone camera. And it will reduce the risk of accidents during capture operation. 2) In order to protect wild animals identifying their movement in forest area, and to avoid poaching and other illegal activities. 3) During any forest related survey modernized equipment's will give high precision results.
<p>Whether, the proposed project is as per approved/proposed Management plan/Working Plan</p>	<p>YES</p>

Brief note on the project proposed under CSR Fund

Activities proposed- Human-Wildlife Conflict Mitigation: -

Mandya forest division extending over the taluks of Mandya, Srirangapatna, Pandavapura, Maddur, KR Pet, Nagamangala and Malavalli. The forest division with its headquarters at Mandya consists of two sub-divisions with headquarters at Mandya and Nagamangala. There are seven ranges with headquarters at Mandya, Maddur, Mandya, Nagamangala, Srirangapatna, KR Pet, Malavalli and Pandavapura.

The geographical area of the division is 496100.00 hectares. The total extent of notified forests of Mandya district is 15323.22 hectares. Of which Reserved Forests- 6913.12 hectare, Section 4 –2365.84 hectare and Village Forest- 6044.26 hectare area is under the control of Mandya territorial division and 13669.41 hectare area under the control of the Wildlife wing 8531.58 hectares in Cauvery Wildlife Sanctuary and 4,982.00 hectares in Melkote wildlife sanctuary, 67.49 hectares in Ranganathittu wildlife sanctuary and 88.34 hectares area in Adichunchangiri Peacock Sanctuary. The notified forest area in Mandya District is 5.84% of the total geographical area. As far as Mandya Forest Division is concerned the notified forest area is only 3.08%. In Additional to this as per the Government Notification No. FEE 185 FAF 2011 Dt.05.05.2022 an extent of 32,958 HA is Notified as Deemed Forest in the Division.

1) Deployment of Technology.

Generally staff deployed wildlife areas are assigned with responsibility of protected invaluable resource of flora and fauna and they become vulnerable to attacks by organized poaching and smuggling gangs equip with modern arms and ammunitions further every individual staff (Watcher, Forest guard and DyRFO) is assigned with responsibility of protecting large area of forest. Hence, it is difficult to monitor all the sensitive areas regularly.

- ❖ Advance equipment will assist the field staff in monitoring and to create digital record of evidence for further management and legal issues.
- ❖ Advance instruments useful in scientific study of animal behaviour and their movements.
- ❖ In order to locate problematic animals in conflict issues drone cameras will be helpful in the field and also save the time and effort of staff.

Details of Drone, Camera trap, GPS

Sl No.	Particulars	Qty	Rate	Amount
01	Drone Camera	02 No.s	4,50,000	9,00,000
02	Camera Trap	20 No.s	30,000	6,00,000
03	Leapoard Net	14 No.s	60,000	8,40,000
04	Purchase of Leapoard Cage	7 No.s	2,00,000	14,00,000
05	Repairs of Leapoard Cage	30 No.s	20,000	6,00,000
06	Transportation of Leapoard Cage	7 Range	1,00,000	7,00,000
07	GPS	14 No.s	25000	3,50,000
08	DGPS	2 Nos	500000	10,00,000
09	Hard disk	6 Nos	7000	42,000
10	Metal detector	2 Nos	75000	1,50,000
11	Binocular	14 Nos	8500	1,19,000
12	Night Vision monocular	4 Nos	50000	2,00,000
13	Blow pipe for darting	4 Nos	100000	4,00,000
14	Animal detective early warning systems	10 Nos	100000	10,00,000
	Total			83,01,000

