

GOVERNMENT OF KARNATAKA



KARNATAKA FOREST DEPARTMENT



Project proposed under CSR Fund

Name of Work: Bevukal Reserve Forest Habitat Improvement and Protection Works

Project Cost: 55.75 Lakhs

Mandya Range, Mandya Teritorial Division, Mandya

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

Sector	
Name of the Project	Forest Habitat Improvement and protection: - 1 Desilting and Creation of Water Hole 2 Formation of Staggered trenches 3 Protection of forest from fire 4 Construction of watch tower 5 Construction of Protection camp shed
Proposal submitted by Unit	Mandya Range. Mandya Division Mandya
Total Project Cost (Rs. In Lakhs)	55.75 Lakhs
Coverage/Area (in Ha) & Forest Block	3175 acre.
Project Implementing Agency: Department/Funding Agency	Karnataka Forest Department.
Objective of the Project	1) To improve Habitat. 2) Forest protection 3) To promote natural regeneration of local species.
Output (Activities/ Quantity)	1) Desilting and Creation of Water Hole – 3 no's 2) Watch tower 1 no 3) Fire line creation and watchers – 25 km and 5 no watchers for 5 months 4) Protection camp shed -1 no's
Justification/Essentiality	1) Mandya Taluk annually received 350-400 mm of rain fall. Hence, it's highly essentials to conserve soil and moisture to improve ground water table and also improve and protect habitat as well 2) Bevukal Reserve Forest support diversified flora and fauna. Since the forest is of dry deciduous in nature highly prone for fire incidence. hence to protect flora and fauna from fire above activities are essential.
Outcome (3 measurable outcomes)	1) Improvement in natural regeneration of local species and increase in green cover 2) Conservation and utilization of Rainwater and improvement of water table 3) Improve in biodiversity
Whether, the proposed project is as per approved / proposed Management plan/Working Plan	Yes

Brief note on the Project proposed under CSR Fund.

Activities proposed: - Habitat development and its protection

Bevukal reserve Forest is one of the Reserve areas in Karnataka with the total area of 3175 acres. Kaggali tree, totti tree, neem, muttaga, tapasi, bela, and basavanapada are naturally grown This Forest Area. with eucalyptus, acacia, and semethangadi plantations in department. Trees with medicinal properties such as Amrita Balli, Gouri Balli, Loksar, Nalima, Wild Ginger, Akkada Gida, Bilva Patre, Wild Tulsi, Seaweed, Nilgiri Doddapatre, and Sandalwood have been cultivated. This forest Area is important and significant for landscape level for conservation of flora and fauna like leopard, rabbits, primates, reptiles, birds etc. The primary vegetation of this forest is dry deciduous forest and southern thorn scrub forest. Water is the one of the most important factor and nature determinant for the survival of wild animals in any forest area, Mandya taluk receives less amount annual rain fall 350-400 mm. So managing the water resource is one of the top most priorities and it is part of routine habitat improvement program, which has to be taken up so as to ecologically restore the wildlife habitat.

- ❖ Bevukal Reserve Forest need more fruit yielding plantation and water Storage, soil & Moisture conservation treatments using suitable structures to reduce the velocity of water flow during the peak monsoon season.
- ❖ To retain water through suitable water storage and conservation structures like Desilting and Creation of Water hole, and Staggered trenches etc,
- ❖ The basic approach in taking up of any such fruit yielding plantation and water storage structure measures in any forest areas should be on a watershed basis with the prime intention of obstructing the flow of water, reducing the velocity and then retaining every drop of rain water falling inside the forest area.
- ❖ Water hole excavated in degraded forest area it's definitely arrest soil erosion and retain rainy water, support natural regeneration and thus better fodder availability for wild animals.
- ❖ The main aim is to make availability of fruit to birds and animals, retain at least some quantity of water till the end of summer seasons, so that the sub soil moisture and vegetation can support fodder availability for wild animals.

2. Formation of Staggered treches and Desilting and Creation of Water Hole:

since the area receives very low rain fall, priority is to conserve the soil and water by promoting percolation through formation o Staggered trenches and percolation pond

3. Protection of forest from fire:

The meteorological parameters like low rain fall, very high temperature, very low relative humidity in the air and high wind speed and dry deciduous, thorny scrub forests in the sanctuary will cause more forest fire. Hence, fire controlling equipment's like, air blowers, fire beaters, helmet with face mask etc. will be helpful in better fire management. All the fire preventing / controlling equipment's need to be replaced or repaired annually in order to strengthen the fire prevention measures. Addition to this as A preventive measure formation of fire line and watching is sentential

4. construction of watch tower:

To monitor illegal activities like, trespass, poaching, and fire occurred during summer season. Increase patrolling activities in sensitive forest areas to easy movement of staffs during fire season.

Budget Estimates

Proposed Works	Quantity	Amount	GPS Location	
Desilting of Water Hole	2	10 lakhs	Bevukal forest area	1)12.638489N 76.753402E 2)12.636320N 76.751659E
Creation of water hole	1	5 lakhs	Bevukal forest area	1)12.655402N 76.753257E
Formation of Staggered treches	25 Ha	20 lakhs	Bevukal forest area	12.625483N 76.750682E
Creation of forest fire line	15 km	75000	Bevukal forest area	1.12.638696N 76.779785 E 2. 12.657869N 76.753611E 3.12.639426N 76.7505399E 4.12.647293N 76.796565E 5.12.625419N 76.751053E
Construction of watch tower	1	150000	Bevukal forest area	12.640184N 76.755205E

Construction of Protection camp shed	1	5 lakhs	Bevukal forest area	12.634963N 76.791380E
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**Bevukalla RF Proposed under CSR Fund Desilting
of water holes**

1.Kempana Katte Water Hole



2.Hosa Katte Water Hole



**Bevukalla RF Proposed under CSR Fund Creation
of water hole**

1. Shetru Katte_Water Hole



Bevukalla Rf Project proposed under CSR fund

Notification no:R4448-Ft,34-18 &
15 Date:18-09-1918

Construction of Water Hole

1.N12.655402

E76.753257

2.N12.638489

E76.753402

3.N12.636320

E76.751659

Watch tower

4. N12.640184

E76.755205

Protection Camp








5.N12.634963

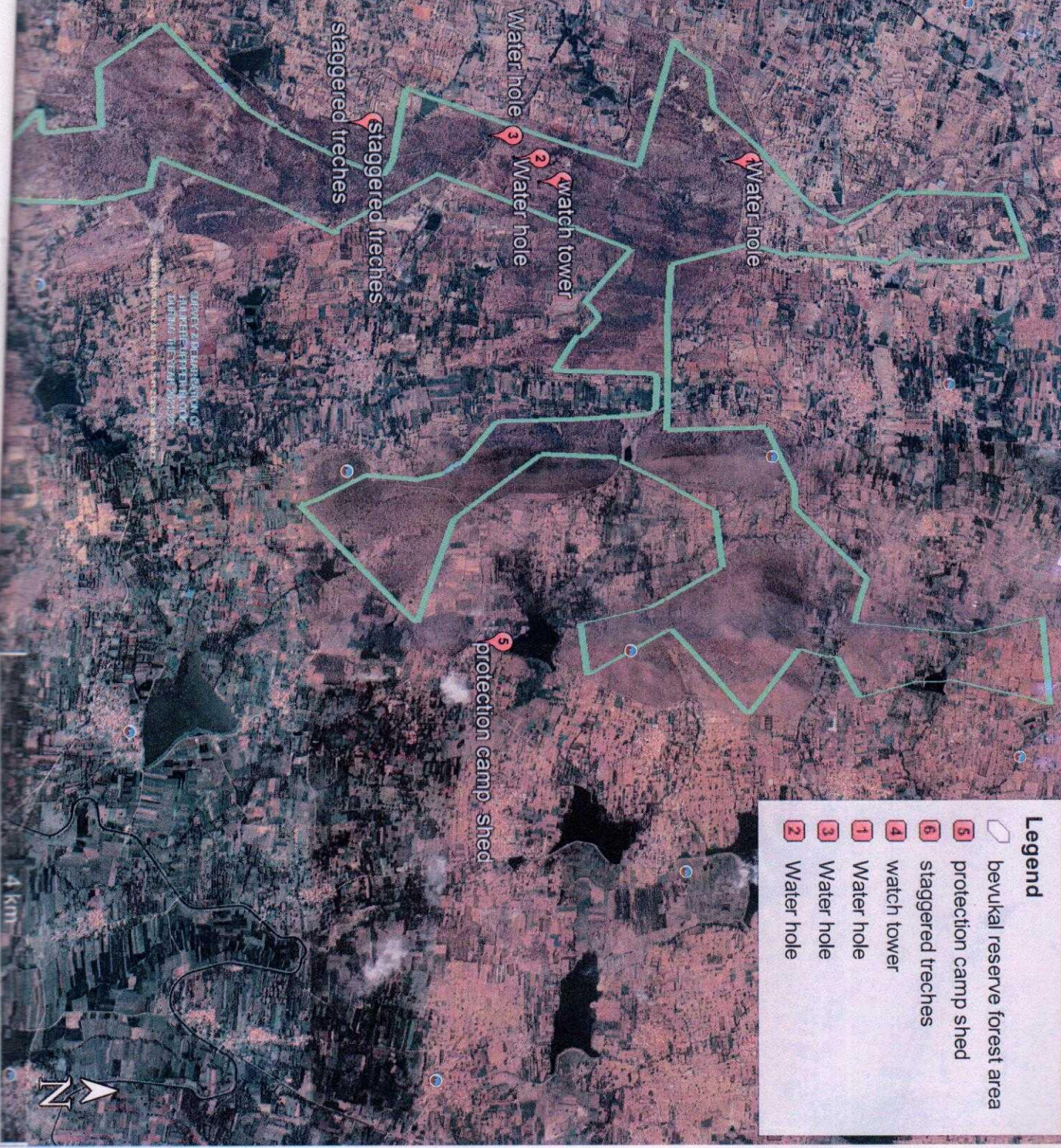
E76.791380

Staggered treches

6.N12.625483

E76.750682

- Legend**
-  bevukal reserve forest area
 -  protection camp shed
 -  staggered treches
 -  watch tower
 -  Water hole
 -  Water hole
 -  Water hole



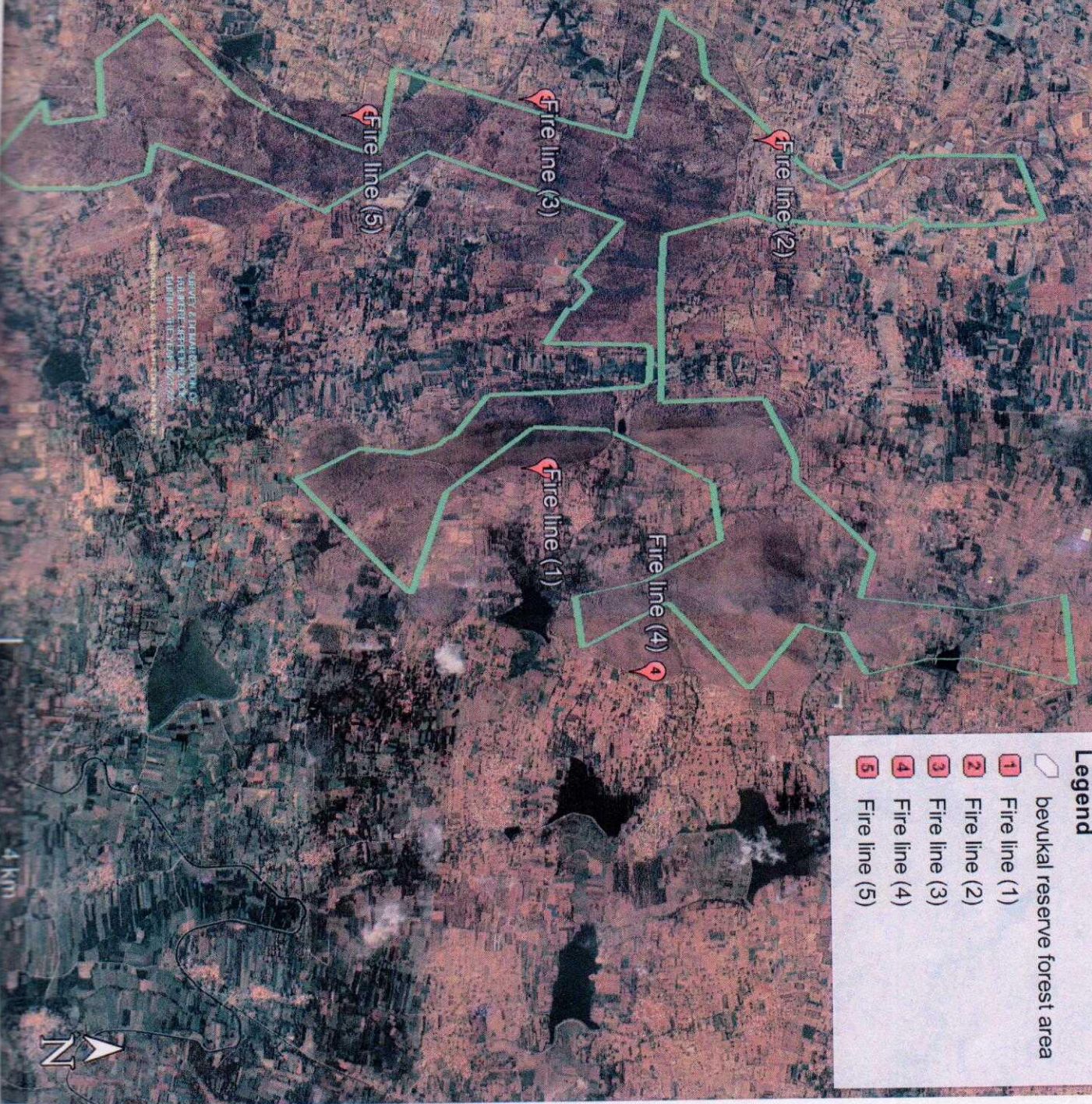
Bevukalla RF Project Proposed under CSR fund

Notification no: R4448-Ft.34-18&15 Date: 18-09-1918

Total extent: 1285.18 Ha

Proposed Fire line

- 1. N 12.638696
E 76.779785
- 2. N 12.657869
E 76.753611
- 3. N 12.639426
E 76.750399
- 4. N 12.647293
E 76.796565
- 5. N 12.625419
E 76.751053



- Legend**
- bevukal reserve forest area
 - Fire line (1)
 - Fire line (2)
 - Fire line (3)
 - Fire line (4)
 - Fire line (5)