

**MITIGATIVE MEASURES
PROPOSED**

FOR

MITIGATIVE MEASURES TO BE TAKENUP IN THE FOREST AREA PROPOSED TO BE
DIVERSION OF FOREST LAND TO AN EXTENT OF 7.451 HA OF FOREST LAND FOR
IMPROVEMENT OF EXISTING ROAD FROM "RF KARJEVELLY TO MOTLAGUDA
(ETIGUDA TO AGARGUDA VIA GUNDEPALLY)" OF KAGHAZNAGAR FOREST DIVISION IN
FAVOUR OF DISTRICT PANCHYAT RAJ, ENGINEER KOMARAMBHEEM-ASIFABAD
DISTRICT.

IN

**KAGHAZNAGAR DIVISION
OF KUMURAM BHEEM - ASIFABAD DISTRICT
OF
ADILABAD CIRCLE**

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1. INTRODUCTION :

The total geographical area of Telangana State is 114840 Sq KM and the total forest area is 28809.08 Sq. Kms. which constitute to 25.19%, whereas the total geographical area of the Kaghaznagar division is 1,64,100 Ha. covering the forest area of 91719.31 Ha. in five Ranges constituting about 55.90%. The Kaghaznagar division lies between 19° 11' 30" and 19° 37'30" north latitudes and 79° 22' 30" and 79° 59'0" east longitudes.

The Kaghaznagar Division consisting of five Ranges, namely - Kaghaznagar, Sirpur, Karjelly, Penchikalpet & Bejjur Ranges.

The Forest area in the Ranges are being utilized as the Corridor for Kawal Tiger Reserve for attracting the Tigers from Thadoba Tiger Reserve of Maharashtra State and Indiravathi Tiger Reserve of Chattisghar State.

In the above scenario the District Panchayat Raj Engineer, Kumrambheem Asifabad District submitted proposals for **R/F Karjelly to Motlaguda (Etiguda to Agarguda Via Cundepally)** The proposed road proposal falling in Bejjur and Penchikalpet Ranges of Kaghaznagar Division (Area 7.451 Hac). The details are shown below:

Sl. No.	Name of the RF Block	Notified Under	Range	Beat	Compt.No.	Area
1	Bejjur	Section-15	Bejjur	Bejjur	243	0.662
2	Bejjur	Section-15	Bejjur	Gabbai	245	1.665
3	Bejjur	Section-15	Bejjur	Gabbai	245	0.03
4	Bejjur	Section-15	Bejjur	Papanpet	256	1.007
5	Bejjur	Section-15	Penchikalpet	Gundapally (N)	255	1.451
6	Bejjur	Section-15	Penchikalpet	Gundapally (W)	252	1.062
7	Bejjur	Section-15	Penchikalpet	Agarguda	249 & 250	1.544
8	Bejjur	Section-15	Penchikalpet	Agarguda	249	0.03
	Total					7.451

It is falling in Wildlife area and it is necessary to take up the mitigative measures to counter the consequential problems, in order to protect the flora and fauna.

The Following are the Consequential problems of construction of Road in Forest area:

- 1) Biotic interference.
- 2) Depletion of Forest Flora.
- 3) Poaching of Wild Fauna.
- 4) Forest Fires.
- 5) Encroachments
- 6) Soil Erosion

2. NAME OF THE SCHEME : Mitigative measures (Conservation Plan for Flora and Fauna for construction of Road.

3. LEGAL STATUS :

Sl. No.	Name of RF Block	Notified U/s.	Notification details
1	Bejjur	15 of APF Act, 1967	Notified Under Section 15 vide Notification No 50, dt 24-5-51.

4. **Period of the Scheme:**

The Conservation plan period is 3 years.

5. **Objectives :**

1. Protection and improvement of the eco-system through mitigative measures.
2. Improvement of water resources through Soil & Moisture Conservation measures by catchment area treatment on watershed principles.
3. Habitat improvement through improvement of fodder availability and protection from fire.
4. Publicity and awareness - conservation education to the stakeholders for protecting Flora and Fauna.

Therefore it is mandatory for addressing the problems expected consequential for **R/F Karjevally to Motlaguda (Etiguda to Agarguda Via Gundepally) in RF Bejjur** in Wildlife area in order to achieve the objectives the operations of Gap plantations and SMC works are proposed to improve the vegetation status in the area. Since it is a wildlife area, the wildlife protection and habitat improvement works like fodder development, fire protection and publicity are proposed.

The item of works, quantity and amount required are submitted hereunder:

6. **Mitigative plan :**

Proposed mitigative measures for Improvement of existing road from /F Karjevally to Motlaguda (Etiguda to Agarguda Via Gundepally) in RF Bejjur (Project Cost : Rs.593.00 Lakhs x 15% = Rs. 88.950 Lakhs)

Sl. No.	Item of works	Units	Qty.	Rate	Amount (Rs. In lakhs)
I	Wildlife protection				
1	Animal trackers (5 Nos. for 3 year /5 units (5x4x12x9000/- = 21.600 Lakhs)	Nos.	5	0.09	16.200
2	Anti Poaching squads (1 No. for 3 year /1 unit (1x24000/-x12 = 2.880 Lakhs + 5x12x9000=5.400 Total =2.88+5.40=8.28x3=24.84 Lakhs) Per Unit 5 members	Nos.	5	0.09	16.200
3	Erection of check gates to control wildlife entering to road	Nos.	5	0.12	0.600
4	Construction of watch tower	Nos	1	10.0000	10.000
II	Habitat improvement measures				
1	Borewell with solar pump set	Nos	1	6.00	6.000
2	Management of grass land by uprooting the obnoxious weed and sowing local collected grass seed over - Ha ((incl maint for 3 Years))	Ha	5	0.4000	2.000
3	Raising of Fodder plots with chainlink	Ha	2	2.60	5.200
4	Construction of saucer pits	Nos.	10	0.10	1.000
5	Formation of Percolation Tanks	Nos.	2	1	2.000
III	Monitoring of wildlife				
1	Procurement of camera traps for monitoring wild animals	Nos	8	0.3	2.400
2	Procurement of batteries, memory cards etc for camera traps	Nos	10	0.03	0.300
3	Procurement of hand held GPS , Binoculars	Nos	4	0.25	1.000
4	Procurement of Walkie talkies	Nos	4	0.2	0.800
5	Supply of field kit to the staff containing Measurement tape, torch, bill hook, bag, water bottle, plaster of paris, mug, glass, compass, etc for wildlife monitoring	Nos	10	0.05	0.500
6	Data Entry operator for maintenance of wildlife data	Nos	1	1.8	1.800

Sl. No.	Item of works	Units	Qty.	Rate	Amount (Rs. In lakhs)
V	Publicity & awareness and Eco Development activities				
7	Maintenance of Vehicles incl POL of staff engaged in wildlife monitoring	Nos	2	1	2.000
8	Engaging Biologist for wildlife monitoring	Nos	1	3	3.000
a)	Installation of large hoarding and sign boards to propogate the needs for the conservation of flora and fauna of the area	Nos	3	1	3.000
b)	Setting up of regulatory sign boards on speed limits and wild animal crossing zones @ Rs.0.60 per each	Nos	2	0.6	1.200
c)	Conducting of Awareness programme for Wildlife	Nos.	2	0.25	0.500
d)	Providing Solar fence to the farmers for controlling crop damage by wildlife	Nos	10	0.12	1.200
VI	Fire management				
a)	Procurement of fire blowers @ Rs.0.60	Nos	2	0.6	1.200
b)	Procurement of fire fighting equipments like shoes, glouse, helmates, spades, crowbars fire beaters etc., @ Rs.	LS	LS	LS	0.500
d)	Engaging of fire watchers included hire chages (1 No. for 3 year /1 unit (1x24000/- x 5 = 1.20 Lakhs + 5x5x9000=2.25 Total =1.20 +2.25=3.45 x 3= 10.35 Lakhs)	Nos			10.350
	Total				88.950

Conclusion: *The mitigative measures are proposed to prevent adverse effects of proposed Construction of Road to Wildlife both Flora and Fauna of the area and also at the same time improving the water resources and controlling soil and water erosion.*

District Forest Officer
Komaram Bheem
(Asifabad)

Forest Divisional Officer,
Kachhaznagar,
Kachhaznagar.