

MITIGATIVE MEASURES PROPOSED

FOR

**MITIGATIVE MEASURES TO BE TAKENUP IN THE FOREST AREA
PROPOSED TO BE DIVERSION OF FOREST LAND TO AN EXTENT OF
2.337 HA OF FOREST LAND FOR IMPROVEMENT OF EXISTING ROAD
FROM BEJJUR TO SOMINI IN BEJJUR MANDAL OF GUDAM RF OF
BEJJUR RANGE OF KAGHAZNAGAR DIVISION IN FAVOUR OF
DISTRICT PANCHAYAT RAJ ENGINEER, KUMRAMBHEEM ASIFABAD
DISTRICT UNDER PMGSY WORKS.**

IN

KAGHAZNAGAR DIVISION
OF KUMURAM BHEEM-ASIFABAD DISTRICT
of
Adilabad Circle

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MITIGATIVE MEASURES TO BE TAKENUP IN THE FOREST AREA PROPOSED TO BE DIVERSION OF FOREST LAND TO AN EXTENT OF 2.337 HA OF FOREST LAND FOR IMPROVEMENT OF EXISTING ROAD FROM BEJJUR TO SOMINI IN BEJJUR MANDAL OF GUDDEM RF OF BEJJUR RANGE OF KAGHAZNAGAR DIVISION IN FAVOUR OF DISTRICT PANCHAYAT RAJ ENGINEER, KUMRAMBHEEM ASIFABAD DISTRICT.

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 Chattisgarh State.

In the above scenario the District Panchayat Raj Engineer, Kumrambheem Asifabad District submitted proposals for **construction of Road from Bejjur to Somini** in Bejjur in Gudem RF blocks. The proposed road proposal falling in Bejjur Range of Kaghaznagar Division (Area 2.773 Hac). The details are shown below:

Sl. No	Name of the RF Block	Notified Under	Range	Beat	Compt.No.	Area
1	Gudem	Section-15	Bejjur	Sushmeer	218 & 219	2.337

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	Gudem	15 of APF Act, 1967	Gudem RF: Notified under section-19 of Hyderabad Forest Act. No. 2 of 1355 Fasili vide G.O. Ms No. 546 dated 19.03.1958.

4. Period of the Scheme:

The Conservation plan period is 3 years.

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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 construction of Road from **Bejjur to Somini** 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 construction of Road from Bejjur to Somini of Bejjur Range of Kaghaznagar Division (Project Cost: Rs.336.00 Lakhs x 15% = Rs.50.40 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 (5x3x12x9000/- = 16.20 Lakhs)	Nos.	5	0.090	16.200
2	Erection of check gates to control wildlife entering to road	Nos.	7	0.120	0.840
II	Habitat improvement measures				
1	Borewell with solar pump set	Nos	1	6.000	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	0.400	2.000
3	Construction of saucer pits	Nos.	30	0.100	3.000
4	Formation of Percolation Tanks	Nos.	5	1.000	5.000
III	Monitoring of wildlife				
1	Procurement of camera traps for monitoring wild animals	Nos	25	0.300	7.500
2	Procurement of batteries, memory cards etc for camera traps	Nos	10	0.030	0.300
3	Procurement of hand held GPS , Binoculars	Nos	4	0.250	1.000
4	Procurement of Walkie talkies	Nos	4	0.200	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	20	0.050	1.000
6	Maintenance of Vehicles incl POL of staff engaged in wildlife monitoring	Nos	1	1.000	1.000
IV	Publicity & awareness and Eco Development activities				
a)	Installation of large hoarding and sign boards to propagate the needs for the conservation of flora and fauna of the area	Nos	1	1.000	1.000

Sr. No.	Item of works	Units	Qty.	Rate	Amount (Rs. In lakhs)
b)	Setting up of regulatory sign boards on speed limits and wild animal crossing zones @ Rs.0.60 per each	Nos	2	0.600	1.200
c)	Conducting of Awareness programme for Wildlife	Nos.	5	0.250	1.250
VI	Fire management				
a)	Procurement of fire blowers @ Rs.0.60	Nos	2	0.600	1.200
b)	Procurement of fire fighting equipments like shoes, glouse, helmates, spades, crowbars fire beaters etc., @ Rs.	LS	LS	LS	1.110
	Total				50.400

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.


Forest Divisional Officer,
Kaghaznagar.
Forest Divisional Officer
Kaghaznagar


District Forest Officer
Kumuram Bheem Asifabad.