

# **MITIGATIVE MEASURES PROPOSED**

**FOR**

**MITIGATIVE MEASURES TO BE TAKENUP IN THE FOREST AREA PROPOSED TO BE  
DIVERSION OF 8.6142 HA OF FOREST LAND FOR PROPOSED WIDENING OF ROAD  
FROM SIRPUR TO METHANDANI VIA CHEELAPALLY, LIMBUGUDA, FROM KM. 0/0 TO  
24/0 OF RESERVE FOREST GARLAPET OF KAGHAZNAGAR DIVISION OF  
KUMRAMBHEEM ASIFABAD DISTRICT GRANT IN FAVOUR DISTRICT R&B  
OFFICER(EXECUTIVE ENGINEER), KUMURAM BHEEM ASIFABAD DISTRICT**

**IN**

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

Forest Divisional Officer  
Kaghaznagar

Chief Forest Officer  
Kumram Bheem  
Asifabad

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**MITIGATIVE MEASURES TO BE TAKENUP IN THE FOREST AREA PROPOSED TO BE DIVERSION OF 8.6142 HA OF FOREST LAND FOR PROPOSED WIDENING OF ROAD FROM SIRPUR TO METHANDANI VIA CHEELAPALLY, LIMBUGUDA, FROM KM. 0/0 TO 24/0 OF RESERVE FOREST GARLAPET OF KAGHAZNAGAR DIVISION OF KUMRAMBHEEM ASIFABAD DISTRICT GRANT IN FAVOUR DISTRICT R&B OFFICER(EXECUTIVE ENGINEER), KUMURAM BHEEM 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.

Sl. No.	Range	Section	Beat	Compt No	Name of the RF	Proposed area for Diversion		
						Length in Mts	Width in Mts	Area in Ha
1	Sirpur	Makidi	Cheelapally-E	87	Garlapet	3006	5.5	1.6533
2	Sirpur	Makidi	Cheelapally-E	47	Garlapet	757.10	5.5	0.4164
3	Sirpur	Makidi	Cheelapally-N	49	Garlapet	1478	5.5	0.8129
4	Sirpur	Makidi	Cheelapally-N	48	Garlapet	796	5.5	0.4378
5	Sirpur	Cheelapally	Cheelapally-S	54	Garlapet	1718	5.5	0.9449
6	Sirpur	Cheelapally	Cheelapally-S	53	Garlapet	2034	5.5	1.1187
7	Sirpur	Cheelapally	Limbuguda	57	Garlapet	1415	5.5	0.7783
8	Sirpur	Cheelapally	Medpally-W	31	Garlapet	2387	5.5	1.3129
9	Sirpur	Malini	Chinnamalini-S	39	Garlapet	2071	5.5	1.1391
						<b>15662.10</b>		<b>8.6142</b>

If 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 area the consequential problem 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 the RF Block	Notified U/s	Notification details
1	Garlapet	4 of APF Act, 1967	<b>Garlapet RF:</b> Notified U/s-4 vide Notification No. RR No102 Notification No.49 dt. 26-12-54.

#### 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. Habit 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 BT Road from Sirpur to Methandani via Cheelapally, Limbuguda, from KM. 0/0 to 24/0 of Reserve Forest Garlapet in Compt No. 87,47, 49, 48, 54, 53, 57, 31 and 39 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 and proposed.

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

#### 6. Mitigative plan

**Proposed mitigative measures for “Widening of Road from Sirpur to Methandani via Cheelapally, Limbuguda, from KM. 0/0 to 24/0” of Sirpur Range of Kaghaznagar Division (Project Cost  $1937.11 \times 15\% = \text{Rs.}290.566$  (Project Cost for Rs.1815.72 Lakhs and Maintenance 121.39 = 1937.11 Lakhs)**

Sl. No.	Item of works	Units	Qty.	Rate	Amount(Rs. In lakhs)
<b>I</b>	<b>Wildlife protection</b>				
1	<b>Animal trackers</b> (5 Nos. for 6 year /5 units (5x6x12x9000/- = 21.600 Lakhs)	1 Nos.			32.40
2	<b>Anti Poaching squads</b> (1 No. for 6 year /1 unit (1x24000/-x12 = 2.880 Lakhs + 5x12x9000=5.400 Total =2.88+5.40=8.28x6=24.84 Lakhs) Per Unit 5 members	1 Nos.			49.68
3	Erection of check gates to control wildlife entering to road	Nos.	50	0.120	6.000
4	Construction of watch tower	Nos	5	10.000	50.000
<b>II</b>	<b>Habitat improvement measures</b>				
1	Borewell with solar pump set	Nos	10	6.000	60.000
2	Management of grass land by uprooting the obnoxious weed and sowing local collected grass seed over - Ha (( incl maint for 3 Years))	Ha	12	0.400	4.800
3	Raising of Fodder plots with chainlink	Ha	5	2.600	13.000
4	Construction of saucer pits	Nos.	25	0.100	2.500
5	Formation of Percolation Tanks	Nos.	8	1.000	8.000
<b>III</b>	<b>Monitoring of wildlife</b>				
1	Procurement of camera traps for monitoring wild animals	Nos	30	0.300	9.000

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2	Procurement of batteries, memory cards etc for camera traps	Nos	30	0.030	0.900
3	Procurement of hand held GPS , Binoculars	Nos	10	0.250	2.500
4	Procurement of Walkie talkies	Nos	10	0.200	2.000
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	60	0.050	3.000
6	Data Entry operator for maintenance of wildlife data	Nos	1	2.340	2.340
7	Maintenance of Vehicles incl POL of staff engaged in wildlife monitoring	Nos	6	1.000	6.000
8	Engaging Biologist for wildlife monitoring	Nos	1	3.000	3.000
<b>V</b>	<b>Publicity &amp; awareness and Eco Development activities</b>				
a)	Installation of large hoarding and sign boards to propagate the needs for the conservation of flora and fauna of the area	Nos	10	1.000	10.000
b)	Setting up of regulatory sign boards on speed limits and wild animal crossing zones @ Rs.0.60 per each	Nos	5	0.600	3.000
c)	Conducting of Awareness programme for Wildlife	Nos.	5	0.250	1.250
d)	Providing Solar fence to the farmers for controlling crop damage by wildlife	Nos	25	0.120	3.000
<b>VI</b>	<b>Fire management</b>				
a)	Procurement of fire blowers @ Rs.0.60	Nos	10	0.600	6.000
b)	Procurement of fire fighting equipments like shoes, ghouse, helmets, spades, crowbars fire beaters etc., @ Rs.	LS	LS	LS	1.88
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			10.35
	<b>Total</b>				<b>290.60</b>

**Conclusion:** The mitigative measures are proposed to prevent adverse effects of proposed project 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**  
**Khyabzagar**