

MITIGATIVE MEASURES PROPOSED  
FOR

Diversion of 3.799 Ha of Forest Land for Construction of BT Road from Gundala to Mangi from Km 0/0 to 11/250 of Tiryani Mandal , Ryali RF in favour of the Executive Engineer, R&B Division, Kumuram Bheem-Asifabad under LWE ( RCPLWE) Batch-I.

DIVISION: ASIFABAD

DISTRICT: KUMURAM BHEEM-ASIFABAD

CIRCLE: ADILABAD

Mitigative measures to be taken up in forest area proposed for Diversion of 3.799 Ha of Forest Land for Construction of BT Road from Gundala to Mangi from Km 0/0 to 11/250 of Tiryani Mandal , Ryali RF in favour of the Executive Engineer, R&B Division, Kumuram Bheem-Asifabad.

**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 Asifabad Division is 2,85,304 Ha covering the forest area of 1,53,810.54 Ha in (6) Ranges constituting about 53.91 %.

The Asifabad Division consisting of (6) Ranges, namely - (1) Asifabad, (2) Rebbena, (3) Tiryani, (4) Ginnedhary, (5) Jodeghat and (6) Kerameri Ranges.

The Forest area in the Ranges are being utilized as the Jodeghat and Ginnedhary Ranges are serving as "Core & Buffer area" of Kawal Tiger Reserve, apart from that the Forest area in the Asifabad, Kerameri and Rebbena Ranges are being utilized as "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 Executive Engineer, R&B Division, Kumuram Bheem-Asifabad submitted proposals for Construction of BT Road from Gundala to Mangi from Km 0/0 to 11/250 of Tiryani Mandal , Ryali RF. The proposed road proposals are falling in Ginnedhary Range of Asifabad Division. The details are shown below:

SI No	Name of the RF Block	Notified Under	Range	Beat	Compt.No	Area for diversion ( Ha)
1	Rally	U/s-19	Ginnedhary	Gundal-W	201	0.339
2	Rally	U/s-19	Ginnedhary	Pittaguda	204	0.443
3	Rally	U/s-19	Ginnedhary	Pittaguda	206/1	1.177
4	Rally	U/s-19	Ginnedhary	Pittaguda	187	0.155
5	Rally	U/s-19	Ginnedhary	Pittaguda	188	1.032
6	Tiryani	U/s-19	Ginnedhary	Tokkiguda East	185	0.653
						<b>3.799</b>

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	Rally	U/s- 19	Notified U/s- 19 vide HFA G.O.Ms.No. 771; Dt.16-3-1955
2	Tiryani	U/s- 19	Notified U/s- 19 of A.P. (Telangana area) Forest Act. 1355 F, vide G.O. Ms No.2547 F&A (For.III), Dt: 26.10.1964, Gazette No.47, Dt: 19.11.1964.

#### 4. Period of the Scheme:

The Conservation plan period is 5 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 Construction of BT Road from Gundala to Mangi from Km 0/0 to 11/250 of Tiryani Mandal , Ryali RF 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 Diversion of forest land for Construction of BT Road from Gundala to Mangi from Km 0/0 to 11/250 of Tiryani Mandal , Ryali RF of Ginnedahry Range of Asifabad Division (Project Cost: Rs.942.00 Lakhs x 15% = Rs.141.300 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 3 year /5 units (5 Nosx 3 years x12 months x Rs: 9000/- = <b>16.200 Lakhs</b> )	Nos.	5 Nos x 5 years	0.09	27.000
2	<b>Anti Poaching squads</b> (1 No. for 2 year /1 unit (1x24000/-x12 = 2.880 Lakhs ( Hiring vehicle + 5x12x9000=5.400 for wages) <b>Total =2.88+5.40=Rs. 8.28 x3 yeras=16.560 Lakhs)</b>	Nos.	1 Unit x 3 years		24.840
3	Erection of check gates to control wildlife entering to road	Nos.	20	0.12	2.400
4	Construction of anti poaching hut (Semi permanent structure) for wildlife monitoring	Nos.	1	8.00	8.000
5	Construction of watch tower	Nos	1	10.00	10.000

6	Construction of Environment Education Centre (EEC)	Nos	1	25.00	25.000
<b>II Habitat improvement measures</b>					
1	Borewell with solar pump set	Nos	2	6.00	12.000
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	6.000
3	Raising of Fodder plots with chainlink	Ha	1	2.60	2.600
4	Construction of saucer pits	Nos.	20	0.10	2.000
5	Formation of Percolation Tanks	Nos.	6	1.00	6.000
<b>III Monitoring of wildlife</b>					
1	Procurement of camera traps for monitoring wild animals	Nos	4	0.30	1.200
2	Procurement of batteries, memory cards etc for camera traps	Nos	20	0.03	0.600
3	Procurement of hand held GPS , Binoculars	Nos	0	0.25	0
4	Procurement of Walkie talkies	Nos	0	0.2	0
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	30	0.05	1.500
6	Data Entry operator for maintenance of wildlife data	Nos	2	2.40	4.800
7	Maintenance of Vehicles incl POL of staff engaged in wildlife monitoring	Nos	1	1.00	1.000
8	Engaging Biologist for wildlife monitoring	Nos	0	3.000	0
<b>V 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	2	1.000	2.000
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	0	0.12	0
<b>VI Fire management</b>					
a)	Procurement of fire blowers @ Rs.0.60	Nos	3	0.6	1.800
b)	Procurement of fire fighting equipments like shoes, glouse, helmets, spades, crowbars fire beaters etc., @ Rs.	LS	LS	LS	0.860
d)	Engaging of fire watchers included hire chages (1 No. for 3 year /1 unit (1x24000/- x 5 months = 1.20 Lakhs + 5 Nos x 5 months x Rs.9000/- = 2.25 Total = 1.20 + 2.25 = 3.45 x 3 = 10.35 Lakhs)	Nos			0.000
<b>Total</b>					<b>141.300</b>

**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,  
Asifabad,  
ASIFABAD.

District Forest Officer  
Komaram Bheem  
(Asifabad)

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