

MITIGATIVE MEASURES PROPOSED

FOR

MITIGATIVE MEASURES TO BE TAKENUP IN THE FOREST AREA PROPOSED TO BE DIVERSION OF 2.1948 Hac OF FOREST LAND FOR CONSTRUCTION OF BT ROAD FROM KAMMARGAON TO NANDIGAON FROM M 0/0 TO 3/998 BEJJUR AND BEJJUR EXT-III RF OF KAGHAZNAGAR DIVISION OF KUMRAMBHEEM ASIFABAD DISTRICT IN FAVOUR DISTRICT R&B OFFICER (EXECUTIVE ENGINEER), KUMURAM BHEEM ASIFABAD DISTRICT

IN

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

MITIGATIVE MEASURES TO BE TAKENUP IN THE FOREST AREA PROPOSED TO BE DIVERSION OF 2.1948 HA OF FOREST LAND FOR CONSTRUCTION OF BT ROAD FROM KAMMARGAON TO NANDIGAON FROM M 0/0 TO 3/998 BEJJUR AND BEJJUR EXT-III RF OF KAGHAZNAGAR DIVISION OF KUMRAMBHEEM ASIFABAD DISTRICT 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 Chattisghar 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	Penchikalpet	Kammargaon	Kammargaon	267	Bejjur	2016	5.5	1.1088
2	Penchikalpet	Kammargaon	Nandigaon	270	Bejjur	434	5.5	0.2387
3	Penchikalpet	Kammargaon	Nandigaon	---	Bejjur Ext - III	1540.55	5.5	0.8473
						3990.55		2.1948

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	Bejjur	15 of APF Act, 1967	<u>Bejjur RF</u> : Notified U/s-15 vide Notification No. 50 dt 24-5-51
2	Bejjur Ext - III	15 of APF Act, 1967	<u>Bejjur Ext - III RF</u> : Notified U/s-15 vide GO.Ms No280F&RDIII dt 29-6-82.AP. Gazette No47.dt 2-12-1982.

4. Period of the Scheme :

The Conservation Plan period is (6) 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 Kammargaon to Nandigaon”** passing through Compt No. 267, 270 of Bejjur RF and Bejjur Ext – III. 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 “Construction of BT Road from Kammargaon to Nandigaon” of Penchikalpet Range of Kaghaznagar Division (Project Cost : Rs.1554.84 Lakhs x 15% = Rs.233.228 Lakhs)

Sl. No.	Item of works	Units	Qty.	Rate	Amount(Rs. In lakhs)
I	Wildlife protection				
1	Animal trackers (5 Nos. for 6 year /5 units (5x6x12x9000/- = 21.600 Lakhs)	1 Nos.			32.40
2	Anti Poaching squads (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.	20	0.120	2.400
4	Construction of watch tower	Nos	3	10.000	30.000
II	Habitat improvement measures				
1	Borewell with solar pump set	Nos	6	6.000	36.000
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
III	Monitoring of wildlife				
1	Procurement of camera traps for monitoring wild animals	Nos	30	0.300	9.000
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	20	0.050	1.000
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	4	1.000	4.000
8	Engaging Biologist for wildlife monitoring	Nos	1	3.000	3.000
V	Publicity & awareness and Eco Development activities				
a)	Installation of large hoarding and sign boards to propogate the needs for the conservation of flora and fauna of the area	Nos	5	1.000	5.000
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
VI	Fire management				
a)	Procurement of fire blowers @ Rs.0.60	Nos	10	0.600	6.000
b)	Procurement of fire fighting equipments like shoes, glouse, helmates, spades, crowbars fire beaters etc., @ Rs.	LS	LS	LS	1.108
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
Total					233.228

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.*


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