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**MITIGATIVE MEASURES TO BE TAKENUP IN THE FOREST AREA PROPOSED TO BE  
DIVERTED ( 2.78 Ha) FOR WIDENING OF EXISTING ROAD FROM R&B ROAD TO  
ALLAMPALLY IN KAWAL RF OF UTNOOR(FDPT) DIVISION.**

**1. INTRODUCTION :**

The total geographical area of the Adilabad District is 4,15,300 Ha and out of which the forest area is 1,83,000 Ha. which constitutes 44.06%. The total forest area Utnoor division is 42,227.63 Ha. The Unit consisting of (2) Ranges namely Birsai pet and Sirchelma Ranges. The Forest areas fall in Core and Buffer areas of Kawal Tiger Reserve.

The forest area in Utnoor FDPT Division is known for its diversified flora and fauna apart from scattered primitive tribal group habitations with unique tribal culture.

In the above scenario the District Panchayat Raj Engineer, Adilabad District submitted proposals for construction of Road from R7B road to Allampally in Kawal RF. The proposed road proposal falling in Utnoor FDPT Division (Area 2.78 Ha) Birsai pet KTR Range of Utnoor FDPT Division. The details are shown below:

Sl. No.	Name of the RF Block	Notified Under	Range	Beat	Compt.No.	Area in Ha
1	Kawal	4 of APF Act, 1967	Birsai pet KTR	Birsai pet, Kolamguda, Balanpur & Yellaguda	55,56,59,61,63,47 & 48	2.78

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	Kawal	15 of APF Act, 1967	Notified under section 4 vide Gazette Notification No.17 at Page No. 486, Dt: 09.05.1350 FASLI and the same was declared as Kawal Tiger Reserve vide G.O.Ms. No. 27 EFS & T (For.II) Department, Dt: 10-04- 2012 Adilabad District Gazette No. 4-B, dt: 24.04.2012.

**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 construction of Road from Muthnoor to Fakeernaik Thanda 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 :**

Sl. No.	Item of works	Units	Qty.	Rate	Amount (Rs. In lakhs)
<b>I</b>	<b>Wildlife protection</b>				
1	Animal trackers (5 Nos. for 3 year /5 units (5x3x12x9000/- = 16.200 Lakhs)	Nos.	1	16.2	16.200
3	Erection of check gates to control wildlife entering to road	Nos.	5	0.12	0.600
4	Construction of checkpost on entry point in KTR with solar panels, CCTV, washroom etc.	Nos.	1	7.00	7.000
5	Construction of watch tower	Nos	1	10.0000	10.000
<b>II</b>	<b>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	2.400
3	Raising of Fodder plots with chainlink	Ha	8	2.60	20.800
4	Construction of saucer pits	Nos.	10	0.10	1.000
5	Formation of Percolation Tanks	Nos.	5	1	5.000
<b>III</b>	<b>Monitoring of wildlife</b>				
1	Procurement of camera traps for monitoring wild animals	Nos	10	0.3	3.000
2	Procurement of batteries, memory cards etc for camera traps	Nos	20	0.03	0.600
3	Procurement of drone for wildlife and forest monitoring	Nos	1	2.50	2.500
4	Installation of CCTV camera network of effective monitoring of field	Nos	5	0.25	1.25
<b>V</b>	<b>Publicity &amp; awarness and Eco Development activities</b>				
a)	Installation of large hoarding/sign boards/entry gate to propogate the needs for the conservation of flora and fauna of the area	Nos	2	1	2.000
b)	Setting up of regulatory sign boards on speed limits and wild animal crossing zones @ Rs.0.60 per each	Nos	4	0.6	2.400
c)	Conducting of Awareness programme for Wildlife	Nos.	2	0.25	0.500
<b>VI</b>	<b>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, helmates, spades, crowbars fire beaters etc., @ Rs.	LS	LS	LS	0.750
	<b>Total</b>				<b>89.80</b>
<b>XI</b>	<b>Administrative cost ( 10% of the works component)</b>	LS	LS	LS	<b>3.00</b>
	<b>Grand total</b>				<b>92.8</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.

Countersigned  
District Forest Officer,  
ADILABAD.

Forest Divisional Officer,  
Utnoor FDPT.