

GOVERNMENT OF TELANGANA
ENVIRONMENT, FORESTS, SCIENCE & TECHNOLOGY (FOR.I) DEPARTMENT

Letter No.78/For.I(1)/2022

Dated:11.08.2022.

From
The Special Chief Secretary to Government,
EFS&T(Forest) Department,
Telangana State Secretariat,
Hyderabad.

To
Regional Officer (Central),
Integrated Regional Office, Hyderabad,
Aranya Bhavan,
Opposite Reserve Bank of India, Saifabad,
Hyderabad – 500004 (w.e.)

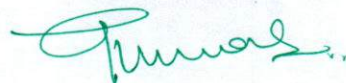
Sir,

Sub:- EFS&T Department – F(C) Act, 1980 – Diversion of **1.388 Ha** of forest land for Construction of BT road from **Vanjariguda to Geethabanda** from Km 0/0 to 2/958 of Lingapur Mandal, Kawal RF, Asifabad forest Division of Komaram Bheem Asifabad District in favour of Executive Engineer, R&B division, Komaram Bheem Asifabad - EDS raised by the MoEF&CC, GoI - **Furnishing of Additional information** -Regarding.

- Ref: 1.From the PCCF(HoFF), TS, Hyd, Ref.No.15849/2020-FCA-2, Dated:05.01.2022.
2.Govt Lr.No.78/For.I(1)/2022, Dt:12.01.2022.
3.From the PCCF(HoFF)&CWLW, T.S, Hyd., Rc.No.15810/2020/WL-1, Dt:14.02.2022.
4.Minutes of the 4th reconstituted meeting of State Board for Wildlife held on 24.02.2022 at 10.00 AM.
5.Govt.Lr.No.78/For.I(1)/2022, Dt:28.05.2022.
6.From the PCCF(HoFF), T.S., Hyderabad, Ref.No.PCCF-FC2/FC09/17/2022-FCA Section, Dated:24.07.2022

I am to forward the additional information in respect of the proposal for diversion of **1.388 Ha** of forest land for Construction of BT road from **Vanjariguda to Geethabanda** from Km 0/0 to 2/958 of Lingapur Mandal, Kawal RF, Asifabad forest Division of Komaram Bheem Asifabad District in favour of Executive Engineer, R&B division, Komaram Bheem Asifabad, as reported by the Principal Chief Conservator of Forests (HoFF), Telangana State, Hyderabad in the letter 6th cited (copy enclosed) for taking further necessary action in the matter.

Yours faithfully,



for Special Chief Secretary to Government

Copy to:

The Principal Chief Conservator of Forests (HoFF),
Telangana State, Hyderabad.

Sc.

1980 and FC Rules, 2003 (guidelines and clarification), the proposals involving diversion of forest land located within one or more PAs require prior recommendations of the Standing Committee of the NBWL. As the instant proposals falls in Buffer area of KTR, it is to request to obtain and submit the recommendations of SC-NBWL.	recommendations of the State Govt. has been submitted to the NBWL on 28.05.2022. Approval of the SC of NBWL is awaited. As and when received, the SC of NBWL approval will be submitted to the IRO, MoEF&CC, GoI, Hyderabad in due course.
2. The detailed note on the design and cross section of road along the component wise details like actual carriage way (BT portion), drainage, shoulders etc within 5.50 mts width, duly obtaining from the User Agency.	The District R&B Officer, Executive Engineer, Kumuram-Bheem Asifabad has submitted the design and cross-section details of the road. (Copy enclosed herewith)
3. Special measures proposed for mitigation of impact on Wildlife may be re-examined and a mitigation plan may be prepared for implementation.	Alongwith WL proposals, mitigation plan for an amount of Rs.48.00 Lakhs has been prepared and approved by the Prl. Chief Conservator of Forests & CWLW and submitted to the State Govt. and NBWL. A copy of the Part-IV of WL proposal, which includes WL mitigation measures is enclosed herewith, for ready reference.

Copies of the report of the CCF, Adilabad with necessary enclosures are sent herewith for necessary action and with a request to accord Stage-I approval for the project at an early date.

Encl. As above

Yours faithfully,



Signed by Rakesh Mohan
Dobriyal I/s
Date: 24-07-2022 18:09:40
Reason: Approved

Principal Chief Conservator of Forests
(Head of Forest Force)

Copy to the CCF/Conservator of Forests, Adilabad, District Forest Officer, KB-Asifabad District for information and necessary action.

Copy to Executive Engineer, (R&B) Division Komarambheem-Asifabad Dist., for information and necessary action.

Copy to Chief Engineer, (R&B) LWE, D&P, RSW & RR, Errummanzil, Hyderabad for information and necessary action.

**GOVERNMENT OF TELANGANA
FOREST DEPARTMENT**

From
Sri R M Dobriyal, IFS,
Prl. Chief Conservator of Forests
& Head of Forest Force (FAC),
Telangana State, "AranyaBhavan",
Saifabad, **Hyderabad.**

To
The Integrated Regional Officer,
MoEF & CC, GoI, 3rd floor,
Aranya Bhavan, Saifabad,
Hyderabad -500 004.

**The Spl. Chief Secretary to Govt.,
Forest Department,**
4th Floor, Aranya Bhavan, Saifabad,
Hyderabad -500 004.

Ref.No. PCCF-FC2/FC09/17/2022-FCA Section, Dated:24/07/2022.

Madam/ Sir,

Sub:TSFD - FC Act - Diversion of **1.388 Ha** of forest land for Construction of BT road from **Vanjariguda to Geethabanda** from Km 0/0 to 2/958 of Lingapur Mandal, Kawal RF, Asifabad forest Division of Komaram Bheem Asifabad District in favour of Executive Engineer, R&B division, Komaram Bheem Asifabad - **EDS raised by GoI- submission of replies** -Reg.

- Ref:**
1. Executive Engineer (R&B) Division, Asifabad Lr. No. DB/EE/R&B/KBASf/2020 -21, dt. 15.07.2020
 2. PCCF(HoFF), TS, Hyderabad Rc.No.8773/2020-FCA2, dated 02-9-2020.
 3. PCCF(HoFF), TS, Hyderabad Rc.No.8773/2020-FCA2, dated 16-11-2020.
 4. Executive Engineer, (R&B) Division Komarambheem-Asifabad Dist., Lr.No.DB/EE(R&B)/KBASF/V-G road/Forest clearance/2020-21, dt.20.11.2020 received on 04-12-2020.
 5. PCCF(HoFF), TS, Hyderabad Rc.No.15849/2020-FCA2, dated 22-12-2020.
 6. CCF Adilabad RC.No 1994/2020/M6(i),Dt 20-09-2021
 7. PCCF(HoFF), TS, Hyderabad Rc.No.15849/2020-FCA2, dated 05.01.2022
 8. DIGF(C), GoI, MoEF&CC, IRO, Hyd Lr.No. 4-TSB237/2022-HYD/370, dt. 15.02.2022.
 9. PCCF(HoFF), TS, Hyderabad Rc.No.15849/2020-FCA2, dated 16.02.2022.
 - 10.CCF, Adilabad (FAC), Rc. No. 1994/2020-M6, dt. 09.6.2022

Kind attention of the **IRO, MoEF&CC, GoI, Hyderabad** is invited to the references cited.

The CCF, Adilabad in the ref 10th cited has submitted detailed point-wise replies on the EDS called for by the **IRO, Hyderabad** vide reference 8th cited. **Point-wise replies with remarks are as follows:**

Sl. No.	EDS called for by the IRO, Hyd	Replies furnished by the CCF
1	in pursuance to Para no 12.4 of FCAAct,WL	proposal with due

1579229/2022

GOVERNMENT OF TELANGANA
FOREST DEPARTMENT

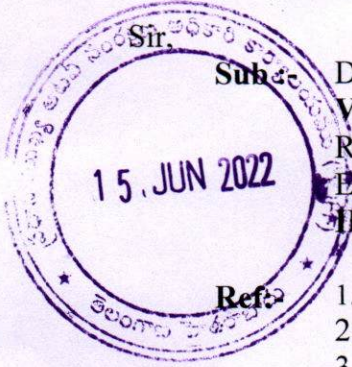
From:

Sri C.P. Vinod Kumar, I.F.S.,
Chief Conservator of Forests,
Adilabad Circle Adilabad (FAC).

To:

The Prl. Chief Conservator of Forests,
(Head of Forest Force)
Telangana State,
"Aranya Bhavan" Saifabad,
HYDERABAD.

Rc.No. 1994/2020-M6, Dt. 09.06.2022.



Sub: Diversion of **1.388 Ha** of Forest Land for Construction of BT Road from **Vanjariguda to Geethabanda** from Km 0/0 to 2/958 of Lingapur Mandal, Kawal RF of Asifabad Forest Division of Kumuram Bheem-Asifabad District in favour of Executive Engineer, R&B Division, Asifabad-**Additional information called for by IRO, Hyd-** Report submitted -Regarding.

Ref: 1. DIGF (C), GoI, MoEF&CC, IRO, Hyd Lr.No.4-TSB237/2022-HYD/370, Dt: 15.02.2022.
2. Prl. CCF, TS Hyderabad Rc.No. 15849/2020/FCA-2, Dated: 16.02.20223.
3. D.F.O., KB-Asifabad Rc. No. 6/2021/S 4, dt:23.05.2022.

FCA (MIS)
In compliance with the instructions issued in the reference 2nd cited above, I am submitting herewith the additional information as called for by the IRO GOI, Hyderabad vide reference 1st cited in the proposal for Diversion of **1.388 Ha** of Forest Land for Construction of BT Road from **Vanjariguda to Geethabanda** from Km 0/0 to 2/958 of Lingapur Mandal, Kawal RF of Asifabad Forest Division of Kumuram Bheem-Asifabad District in favour of Executive Engineer, R&B Division, Asifabad received from the District Forest Officer, KB Asifabad vide reference 3rd cited, the details are as follows.

2. The detailed note on the design and cross section of road along the component wise details like actual carriage way (BT portion), drainage, shoulders etc within 5.50 mts width, duly obtaining from the User Agency.

Reply: The District R&B Officer, Executive Engineer, Kumuram Bheem Asifabad has submitted the cross section details. (Copy enclosed herewith)

3. Special measures proposed for mitigation of impact on Wildlife may be re-examined and a mitigation plan may be prepared for implementation.

Reply: The District Forest Officer, KB Asifabad has reported that, that, the proposed diversion area which is having rich forest growth & bio-diversity having flora & fauna and also in this area wildlife movement is there and streams are passing in that area. Further reported that, the mitigation plan is proposed within the limits. As per the instructions issued by the Principal Chief Conservator of Forests (HoFF) & Chief Wildlife Warden, Telangana Hyderabad Rc.No.15424/2020/WI-1 (iii), Dt:17.12.2020. (A copy of the mitigation plan is enclosed herewith).

This is submitted for favour of kind information and further necessary action.

Encl: (3 sets)

Yours faithfully,
Sd/-Chief Conservator of Forests,
Adilabad Circle Adilabad.

//::T.C.B.O.:://

Sarajia
MANAGER

9/6/22

GOVERNMENT OF TELANGANA
ROADS & BUILDINGS DEPARTMENT

From
G. Reddaiah, M.Tech
District (R&B) Officer,
Executive Engineer,
Kumrambheem Asifabad

To
The District Forest officer,
Kumrambheem Asifabad



LETTER NO. D(R&B)O/LWE/VGroad/KBASE/2022-23/662 DATED: 2.04.2022.

Sir,

Sub: (R&B) Division Kumrambheem Asifabad - Diversion of 1.018 Ha (Revised from 1.388 Ha) of forest land for construction of BT road from Vanjariguda to Geethabanda from km 0/0 to 2/958 of Lingapur mandal, Kawal RF, Asifabad Forest Division of Kumrambheem Asifabad District - Additional documents / Clarifications - Submitting - Regarding.


Ref: Ministry of Environment, Forest & Climate change, Aranya bhavan Hyd F.No. 4-TSB237/2022-HYD/370, dated: 15.02.2022.

With reference to the above, it is herewith submitting the following additional documents/clarifications for the favor of further disposal.

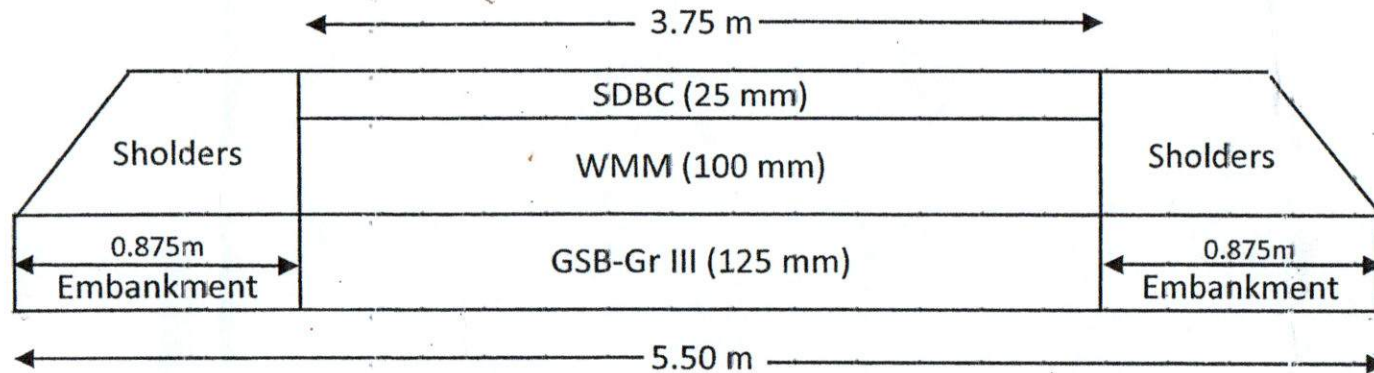
- (i) Related to forest department.
- (ii) The details of design and cross section of the road along with component wise details like carriage way (BT-portion), Drainage, shoulders are furnished and enclosed.
- (iii) Related to forest department.

Encl : 1. Design and cross section.

Yours faithfully,


District (R&B) Officer
Executive Engineer
Kumrambheem Asifabad

BT road from Vanjariguda to Geethabanda



SDBC: Semi-Dense Bituminous Concrete

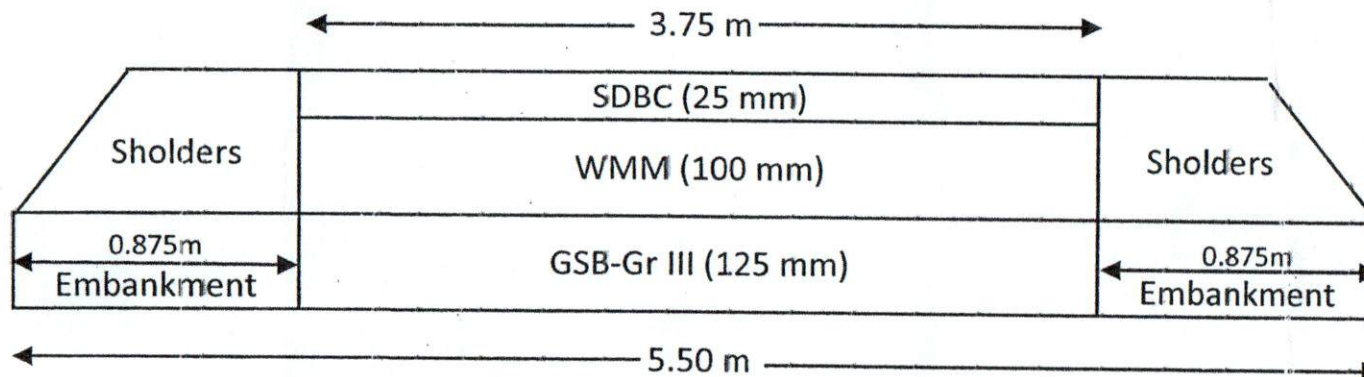
WMM: Wet Mix Macadam

GSB: Granular Sub-Base

[Signature]
AEE/Asifabad

[Signature]
13/4/22
DISTRICT R&B OFFICER
Executive Engineer
KumramBheem-Asifabad

BT road from Vanjariguda to Geethabanda



SDBC: Semi-Dense Bituminous Concrete

WMM: Wet Mix Macadam

GSB: Granular Sub-Base

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AEE/Asifabad

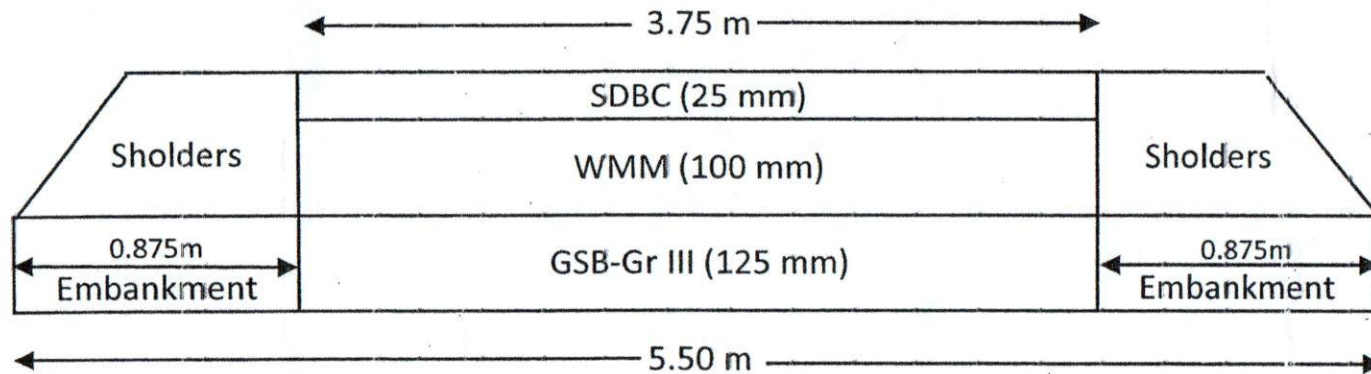
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13/4/22
DISTRICT R&B OFFICER
Executive Engineer
KumramBheem-Asifabad

C/B: Granular Sub-base
 W/M: Wet Mix Macadam
 SDBC: Semi-Dense Bituminous Concrete



BT road from Vaidikshams to Goolshams

BT road from Vanjariguda to Geethabanda



SDBC: Semi-Dense Bituminous Concrete

WMM: Wet Mix Macadam

GSB: Granular Sub-Base

[Signature]
AEE/Asifabad

[Signature]
13/4/22
DISTRICT R&B OFFICER
Executive Engineer
KumramBheem-Asifabad

MITIGATIVE MEASURES PROPOSED
FOR

Diversion of 1.018 Ha of Forest Land for **Construction of BT Road from Vanjariguda to Geethabanda** from Km 0/0 to 2/958 of Lingapur Mandal , Kawal 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

7

Mitigative measures to be taken up in forest area proposed for Diversion of Forest Land of 1.018 Ha for Construction of BT Road from Vanjariguda to Geethabanda from Km 0/0 to 2/958 of Lingapur Mandal , Kawal 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 Vanjariguda to Geethabanda from Km 0/0 to 2/958 of Lingapur Mandal , Kawal RF. The proposed road proposals are falling in Jodeghat Range of Asifabad Division. The details are shown below:

Sl No	Name of the RF Block	Notified Under	Range	Beat	Compt.No.	Area for diversion (Ha)
1	Kawal	U/s-4	Jodeghat	Yellapater	KAW-265	0.053
2	Kawal	U/s-4	Jodeghat	Kothapally-North	KAW-263	0.695
3	Kawal	U/s-4	Jodeghat	Yellapater	KAW-266	0.270
	Total					1.018

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	U/s-4	Notified U/s-4 vide Gazette Notification No. 17 at Page No.486 Dt: 09.05.1350 F

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 BT Road from Vanjariguda to Geethabanda from Km 0/0 to 2/958 of Lingapur Mandal , Kawal 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 Vanjariguda to Geethabanda from Km 0/0 to 2/958 of Lingapur Mandal , Kawal RF of Jodeghat Range of Asifabad Division (Project Cost: Rs.439.00 Lakhs x 15% = Rs.65.85 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 (5 Nos x 3 years x12 months x Rs: 9000/- = 16.200 Lakhs)	Nos.	5 Nos x 3 years	0.09	16.200
2	Anti Poaching squads (1 No. for 3 year /1 unit (1x24000/-x12 = 2.880 Lakhs (Hiring vehicle + 5x12x9000=5.400 for wages) Total =2.88+5.40=8.28x3 years=24.840 Lakhs)	Nos.	5 Nos x 3 years		24.840
3	Erection of check gates to control wildlife entering to road	Nos.	8	0.12	0.960
4	Construction of anti poaching hut (Semi permanent strucutre) for wildlife monitoring	Nos.	0	7.00	0
5	Construction of watch tower	Nos	0	10.00	0.000
II	Habitat improvement measures				
1	Borewell with solar pump set	Nos	1	6.00	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	1	0.4000	1.200
3	Raising of Fodder plots with chainlink	Ha	1	2.60	2.600
4	Construction of saucer pits	Nos.	5	0.10	0.500
5	Formation of Percolation Tanks	Nos.	0	1.00	0.000
III	Monitoring of wildlife				
1	Procurement of camera traps for monitoring wild animals	Nos	0	0.3	0.000
2	Procurement of batteries, memory cards etc for camera traps	Nos	0	0.03	0.000
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	0	0.05	0
6	Data Entry operator for maintenance of wildlife data	Nos	1	2.40	2.400
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
v	Publicity & awarness 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	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	0.60	1.200
c)	Conducting of Awareness programme for Wildlife	Nos.	0	0.25	0.000
d)	Providing Solar fence to the farmers for controlling crop damage by wildlife	Nos	0	0.12	0
VI	Fire management				
a)	Procurement of fire blowers @ Rs.0.60	Nos	0	0.6	0
b)	Procurement of fire fighting equipments like shoes, glouse, helmates, spades, crowbars fire beaters etc.,	LS	LS	LS	0.200
d)	Engaging of fire watchers included hire charges (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 2 years= 6.90 Lakhs)	Nos	5 Nos		6.900
	Total				66.000

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.

**District Forest Officer,
Kumuram Bheem-Asifabad**

(Signature)

MITIGATIVE MEASURES PROPOSED
FOR

Diversion of 1.018 Ha of Forest Land for **Construction of BT Road from Vanjariguda to Geethabanda** from Km 0/0 to 2/958 of Lingapur Mandal , Kawal 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 Forest Land of 1.018 Ha for Construction of BT Road from Vanjariguda to Geethabanda from Km 0/0 to 2/958 of Lingapur Mandal, Kawal 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 Vanjariguda to Geethabanda from Km 0/0 to 2/958 of Lingapur Mandal, Kawal RF. The proposed road proposals are falling in Jodeghat Range of Asifabad Division. The details are shown below:

Sl No	Name of the RF Block	Notified Under	Range	Beat	Compt.No.	Area for diversion (Ha)
1	Kawal	U/s-4	Jodeghat	Yellapater	KAW-265	0.053
2	Kawal	U/s-4	Jodeghat	Kothapally-North	KAW-263	0.695
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	Total					1.018

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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:**

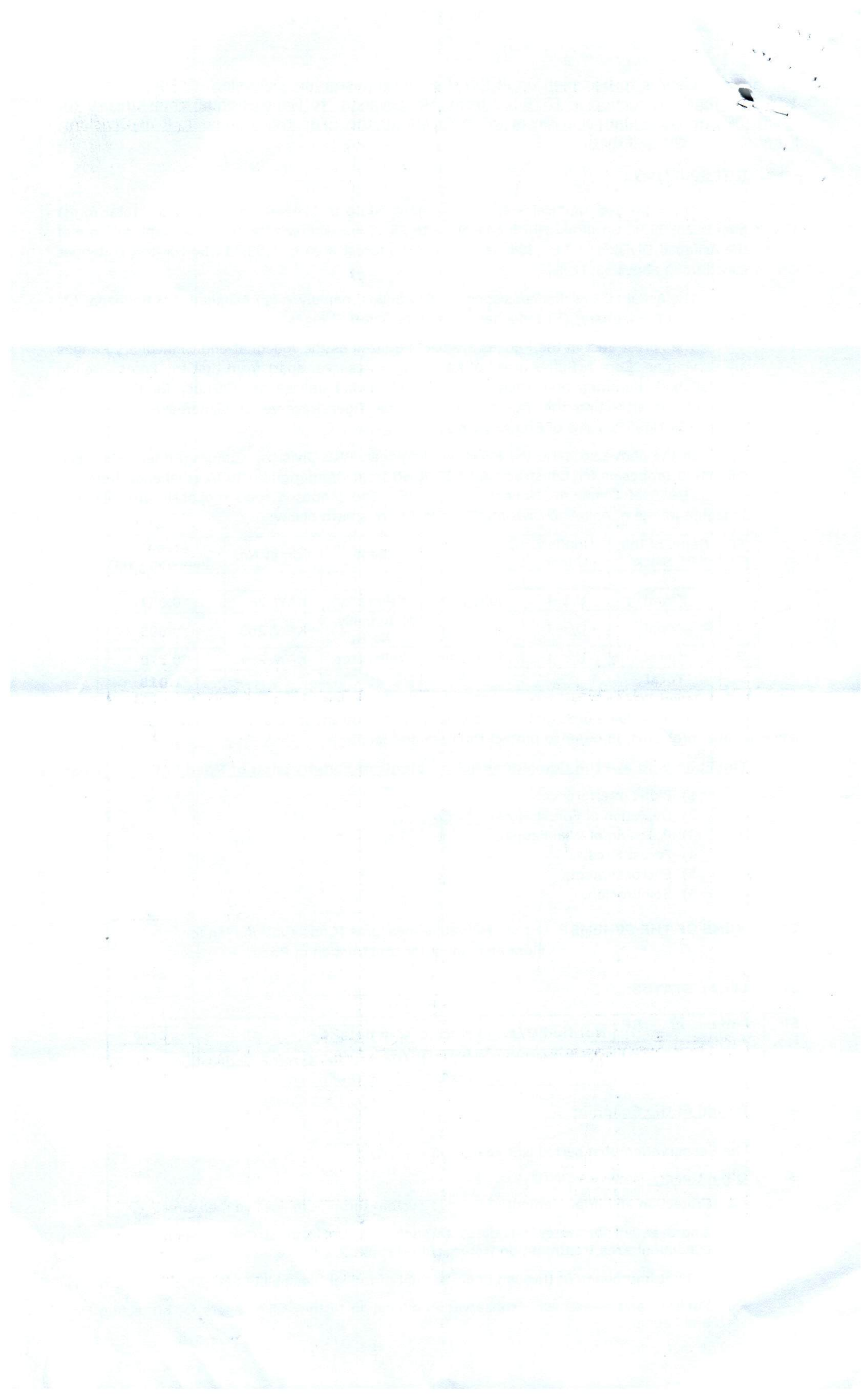
Sl. No.	Name of RF Block	Notified U/s.	Notification details
1	Kawal	U/s-4	Notified U/s-4 vide Gazette Notification No. 17 at Page No.486 Dt: 09.05.1350 F

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.
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Therefore it is mandatory for addressing the problems expected consequential for Construction of BT Road from Vanjariguda to Geethabanda from Km 0/0 to 2/958 of Lingapur Mandal , Kawal 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 Vanjariguda to Geethabanda from Km 0/0 to 2/958 of Lingapur Mandal , Kawal RF of Jodeghat Range of Asifabad Division (Project Cost: Rs.439.00 Lakhs x 15% = Rs.65.85 Lakhs).

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3	Erection of check gates to control wildlife entering to road	Nos.	8	0.12	0.960
4	Construction of anti poaching hut (Semi permanent strucutre) for wildlife monitoring	Nos.	0	7.00	0
5	Construction of watch tower	Nos	0	10.00	0.000
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1	Borewell with solar pump set	Nos	1	6.00	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	1	0.4000	1.200
3	Raising of Fodder plots with chainlink	Ha	1	2.60	2.600
4	Construction of saucer pits	Nos.	5	0.10	0.500
5	Formation of Percolation Tanks	Nos.	0	1.00	0.000
III	Monitoring of wildlife				
1	Procurement of camera traps for monitoring wild animals	Nos	0	0.3	0.000
2	Procurement of batteries, memory cards etc for camera traps	Nos	0	0.03	0.000
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	0	0.05	0
6	Data Entry operator for maintenance of wildlife data	Nos	1	2.40	2.400
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
V	Publicity & awarness 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	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	0.60	1.200
c)	Conducting of Awareness programme for Wildlife	Nos.	0	0.25	0.000
d)	Providing Solar fence to the farmers for controlling crop damage by wildlife	Nos	0	0.12	0
VI	Fire management				
a)	Procurement of fire blowers @ Rs.0.60	Nos	0	0.6	0
b)	Procurement of fire fighting equipments like shoes, glouse, helmates, spades, crowbars fire beaters etc.,	LS	LS	LS	0.200
d)	Engaging of fire watchers included hire charges (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 2 years= 6.90 Lakhs)	Nos	5 Nos		6.900
	Total				66.000

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.

**District Forest Officer,
Kumuram Bheem-Asifabad**

23/5/20

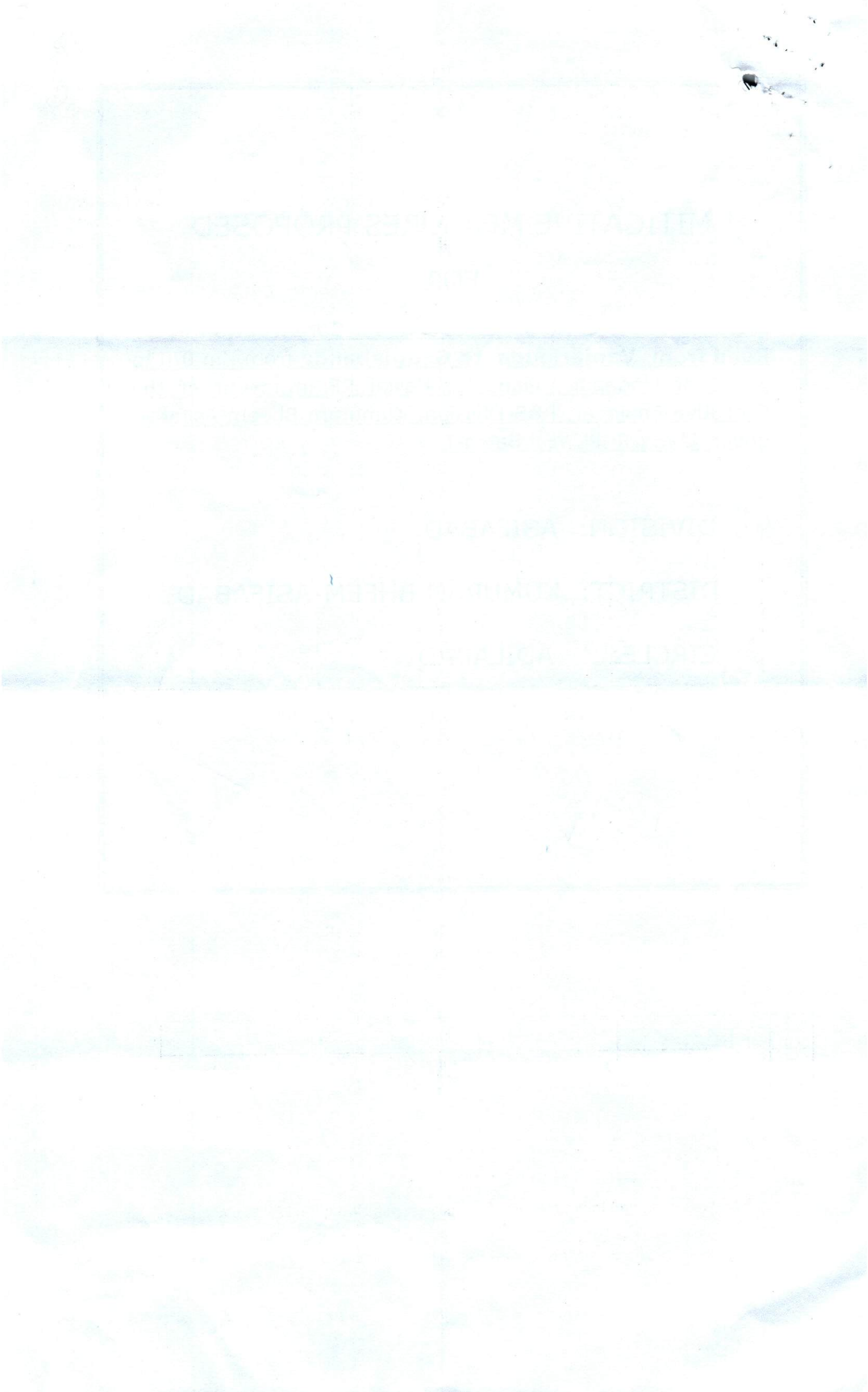
MITIGATIVE MEASURES PROPOSED FOR

Diversion of 1.018 Ha of Forest Land for **Construction of BT Road from Vanjariguda to Geethabanda** from Km 0/0 to 2/958 of Lingapur Mandal , Kawal 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 Forest Land of 1.018 Ha for Construction of BT Road from Vanjariguda to Geethabanda from Km 0/0 to 2/958 of Lingapur Mandal, Kawal 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 Chattisghar State.

In the above scenario the Executive Engineer, R&B Division, Kumuram Bheem-Asifabad submitted proposals for Construction of BT Road from Vanjariguda to Geethabanda from Km 0/0 to 2/958 of Lingapur Mandal, Kawal RF. The proposed road proposals are falling in Jodeghat Range of Asifabad Division. The details are shown below:

Sl No	Name of the RF Block	Notified Under	Range	Beat	Compt.No.	Area for diversion (Ha)
1	Kawal	U/s-4	Jodeghat	Yellapater	KAW-265	0.053
2	Kawal	U/s-4	Jodeghat	Kothapally-North	KAW-263	0.695
3	Kawal	U/s-4	Jodeghat	Yellapater	KAW-266	0.270
Total						1.018

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:**

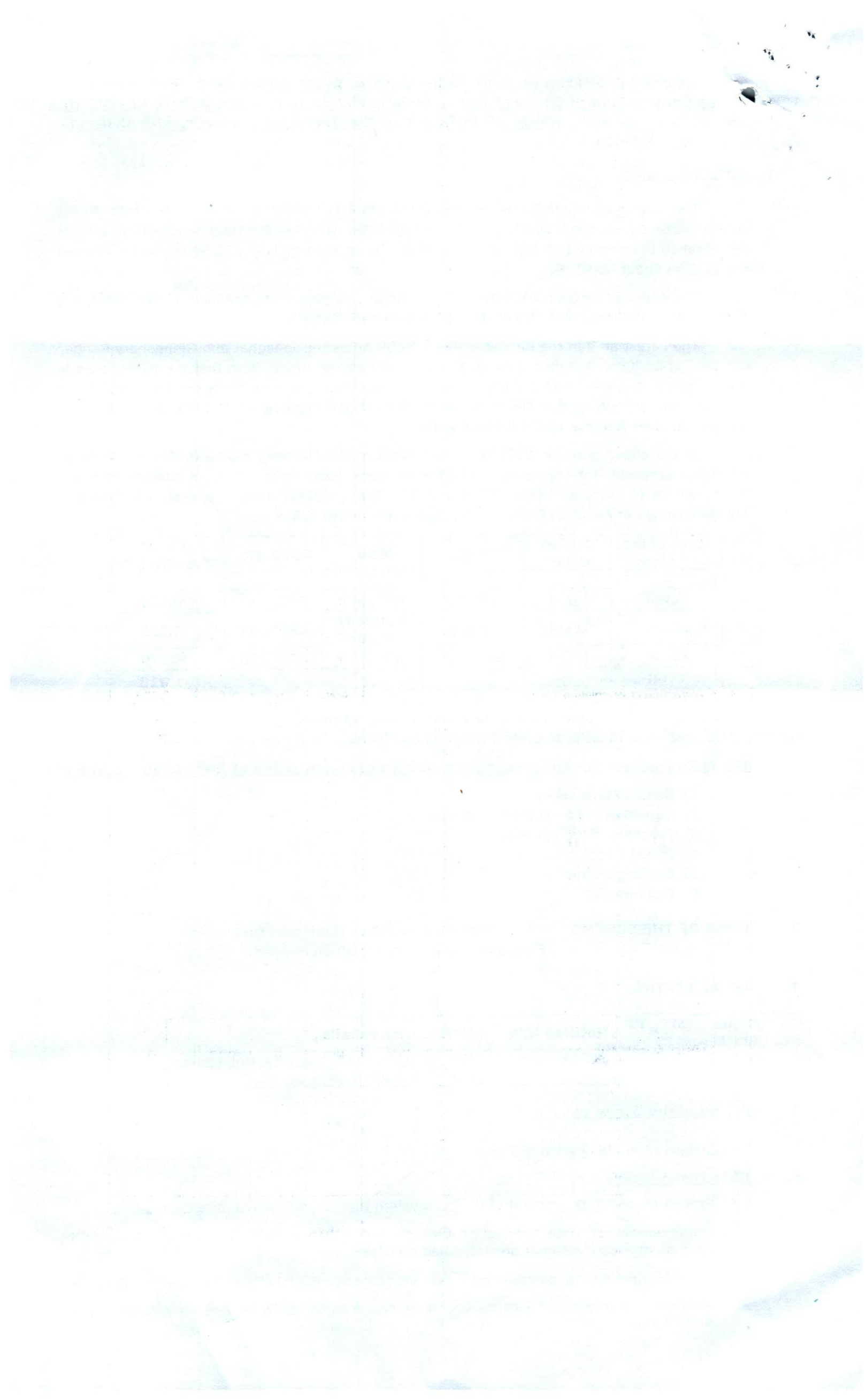
Sl. No.	Name of RF Block	Notified U/s.	Notification details
1	Kawal	U/s-4	Notified U/s-4 vide Gazette Notification No. 17 at Page No.486 Dt: 09.05.1350 F

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 BT Road from Vanjariguda to Geethabanda from Km 0/0 to 2/958 of Lingapur Mandal , Kawal 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 Vanjariguda to Geethabanda from Km 0/0 to 2/958 of Lingapur Mandal , Kawal RF of Jodeghat Range of Asifabad Division (Project Cost: Rs.439.00 Lakhs x 15% = Rs.65.85 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 (5 Nos x 3 years x12 months x Rs: 9000/- = 16.200 Lakhs)	Nos.	5 Nos x 3 years	0.09	16.200
2	Anti Poaching squads (1 No. for 3 year /1 unit (1x24000/-x12 = 2.880 Lakhs (Hiring vehicle + 5x12x9000=5.400 for wages) Total =2.88+5.40=8.28x3 years=24.840 Lakhs)	Nos.	5 Nos x 3 years		24.840
3	Erection of check gates to control wildlife entering to road	Nos.	8	0.12	0.960
4	Construction of anti poaching hut (Semi permanent strucutre) for wildlife monitoring	Nos.	0	7.00	0
5	Construction of watch tower	Nos	0	10.00	0.000
II	Habitat improvement measures				
1	Borewell with solar pump set	Nos	1	6.00	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	1	0.4000	1.200
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**District Forest Officer,
Kumuram Bheem-Asifabad**

*W
23/9/2022*

