

**GOVERNMENT OF TELANGANA
FOREST DEPARTMENT**

From:
Sri. C.P.Vinod Kumar, I.F.S.,
Chief Conservator of Forests
Kaleshwaram Circle JS Bhupalpally.

To,
The Prl. Chief Conservator of Forests,
(Head of Forest Force) 2023
Telangana State, Hyderabad

Rc.No. 1081/2023/TO. dt: 27.04.2023

Sir

Sub:- TSFD - F(C) Act, 1980 - Diversion of 4.2339 Ha of forest land for widening of single lane road to double lane road from Khammampally to Bhupalpally form km 12/2 to 19/6 in Bhupalpally Division in favour of District R&B Officer, Jayashankar Bhupalpally District - Discussed in REC meeting - Additional information submitted - Regarding

- Ref:-
1. Minutes of 14th REC meeting held on 27.02.2023 communicated vide PCCF Lr No. FC5/FC49/8/2022, dt:14.03.2023
 2. PCCF, TS, Hyd, Rc.No. FC2/FC09/43/2022 (1574/2018-FCA2), 21.03.2023.
 3. DFO, JS Bhupalpally, Rc.No. 300/2018/TO, dt: 23.03.2023
 4. Dist. R&B, Officer, JS Bhupalpally-Mulugu, Rc.No.DB/ATO/EE/(R&B)/MLG/2022-23, dt:29.03.2023
 5. FDO, Bhupalpally, Rc.No.47/2018/TA, dt:13.04.2023
 6. DFO, JS Bhupalpally Rc.No. 300/2018/TO, dt: 20.04.2023

With reference to the subject cited, the District Forest Officer Jayashanakar Bhupalpally has submitted that, the Prl. Chief Conservator of Forests (HoFF), TS, Hyderabad vide reference 2nd cited above requested to submit the additional information for the proposed diversion of 4.2339 Ha of forest land for widening of single lane road to double lane road from Khammampally to Bhupalpally form km 12/2 to 19/6 in Bhupalpally Division in favour of District R&B Officer, Jayashankar Bhupalpally District.

Further, the District R&B Officer, JS Bhupalpally and Forest Divisional Officer, Bhupalpally vide references 4th and 5th cited above respectively has submitted the point wise additional information is as follows.

Sl No	Point	Reply
1.	Alternative routes examined along with details	<p>The Dist. R&B, Officer, JS Bhupalpally vide reference 4th cited above has reported that,</p> <p>a. The alternative roads are lengthy, if proposed also more forest land will be required, the cost of the project increase abnormally, and the alternative road doesn't serve any purpose.</p> <p>b. Work is completed for a length of 10.00 km in non forest area</p> <p>c. As the alternate road is lengthy, the public prefers the existing cart track only to reach Bhupalpally Head Quarters as it is the shortest route and involves minimum forest land.</p> <p>d. The proposed alignment is the only</p>

		shortest route to the villages of Karimnagar district to reach Bhupalpally District Head Quarters and also held farmers in carrying agricultural goods to the nearest marketing centres also for Health and Education purpose. The road contributes to the socio-economic development of back ward areas. Further, this road is located in the LWE affected area and helps for the free and brisk movement of police force from one place to another place due to shorter distance.
2.	WL Mitigation measures submitted with the proposal is given in a tabular form indicating certain works or engagement of people for protection etc., The REC has opined that the WL Mitigation plan shall include details of flora and fauna presence in and around the forest area proposed for diversion and mitigation measures shall be prepared according to the requirement as per the species present and their habitat requirement and also include suitable animal passage plan.	Wildlife Mitigation Plan and Animal Passage Plan submitted herewith.
3.	Revised .kml as per the revised area to be uploaded online.	The User Agency has informed the revised .kml file has been uploaded.
4.	Component like constructions of a meeting hall for Zonal office and the promotion of eco-tourism activities as a forest protection component in the CA scheme can't be allowed in the CA scheme as per the CA Rules/ Act.	Mobility and supervising of front line staff for better monitoring of improvement of forests and wildlife component for Rs. 30.00 Lakhs added in place of constructions of a meeting hall for Zonal office and the promotion of eco-tourism activities without changing the total financial outlay of Rs.99.75137 Lakhs . Accordingly CA Scheme submitted herewith.

Therefore, the same is submitted to the Prl. Chief Conservator of Forests (HoFF), TS, Hyderabad for taking further action in the matter.

Yours faithfully
Sd/- C.P.Vinod Kumar
Chief Conservator of Forests
Kaleshwaram Circle, JS Bhupalpally

Copy to the District Forest Officer, Jayashankar Bhupalpally for information.
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Superintendent

Wildlife Mitigation Plan for diversion of 4.2339 Ha (recommended out of 8.50 Ha proposed) of forest land for widening from single lane road to double lane road from Khammampally to Bhupalpally Road from Km 12/2 to 19/6 in Bhupalpally Division of Jayashankar Bhupalpally District

Introduction:

The proposed project involves the widening of a single-lane road to a double-lane road, which will require the diversion of 4.2339 Ha of forest land. The project area is located Tadicherla RF of Koyyuru Range of Bhupalpally Division, and it is important to consider the potential impact of the project on wildlife in the area.

Objectives:

The primary objective of this wildlife mitigation plan is to minimize the impact of the project on wildlife and their habitats by implementing appropriate mitigation measures.

The specific objectives are as follows:

- ❖ Identify the potential impacts of the project on wildlife and their habitats.
- ❖ Develop mitigation measures to minimize the impact of the project on wildlife and their habitats.
- ❖ Implement the mitigation measures during the construction and operational phases of the project.
- ❖ Monitor and evaluate the effectiveness of the mitigation measures.

Potential Impacts:

The proposed project could potentially impact the following wildlife species and their habitats:

- ❖ Mammals: Indian hare, Indian wild boar, Indian pangolin, and Indian porcupine.
- ❖ Birds: Indian peafowl, Indian grey hornbill, black drongo, and Indian robin.
- ❖ Reptiles: Indian rock python and Indian cobra.
- ❖ Flora : Kanuga, Tuniki, Palakodishe, Vepa, Batteduddi, Chennangi, Nallamaddi, Thagaramogili, Billudu
- ❖ The potential impacts of the project on wildlife include habitat fragmentation, habitat loss, increased mortality due to roadkill, disturbance to breeding and nesting sites, and increased human-wildlife conflict.

Mitigation Measures:

To minimize the impact of the project on wildlife and their habitats, the following mitigation measures will be implemented:

- ❖ **Habitat restoration:** To compensate for the habitat loss, an equal area of degraded forest land will be restored to its original condition within the project area.
 - i. It is proposed for drilling of borewells (4 Nos) and installation of solar pumps connected to Percolation Tanks for an amount of Rs. 20.00 Lakhs.
 - ii. Creation of Natural Grass lands by uprooting obnoxious seed and sowing of local grass and maintenance of (3) years for an amount of Rs. 17.60 Lakhs.
 - iii. Raising of Pature / Fodder plots with wild grasses including chainlink fence (2 Ha each unit) including maintenance for (3) years for an amount of Rs. 40.00 Lakhs
 - iv. Construction of Integrated Watch Towers (2Nos) with Solar Pump with PT and a room for protection watcher for an amount of Rs. 40.00 Lakhs.
 - v. Engaging of fire protection watchers (5 Nos) for (5) Months from January to June for a period of (5) years and fire tracing on both sides

of the road to a width of 10-20 meters for an amount of Rs. 18.320 Lakhs.

- vi. Creation of view lines of 10 mts width for 20 Kms on either side of the road and maintenance for (5) for an amount of Rs. 20.00 Lakhs

❖ **Wildlife crossings:** To minimize the risk of roadkill, underpasses will be constructed at strategic locations along the project stretch. **(Separate Animal Passage Plan is attached besides this the following activities are proposed).**

- Mitigation of Man animal conflict for a period of (5) years for an amount of Rs. 10.00 Lakhs
- Monitoring of Wildlife purchase of camera traps (40Nos) for an amount of Rs. 5.00 Lakhs
- Engaging of anti poaching (03) Nos for monitoring wildlife for (5) years for an amount of Rs. 26.560 Lakhs.

❖ **Signage:** Signage will be installed at strategic locations to alert drivers to the presence of wildlife crossings and to encourage them to drive cautiously.

- Installation of sign boards (12) Nos at regular intervals of 1 kms to caution the vehicles about animal movement and sensitizing public (size 8 ft x 6 ft) for an amount of Rs. 12.00 Lakhs

❖ **Community engagement:** Awareness programs will be conducted among local communities to educate them about the importance of wildlife conservation and to encourage them to report any wildlife sightings or incidents. **For this an amount of Rs. 11.610 Lakhs is proposed under administrative cost.**

❖ Accordingly Wildlife Mitigation Plan for Rs. 226.090 Lakhs was submitted to the Spl. Chief Secretary, Government vide PCCF, TS, Hyd, Rc.No. 1574/2018/FCA2, dt:22.03.2021. The details are as follows.

Sl No	Item of work	Qty	Rate	Per	Amount (In Lakhs)
1	Implementation of Animal passage plan by constructing underpasses at the locations indicated by DFO, Bhupalpally, duly following the specifications of Wildlife institute of India, Dehradun.	To be executed by the User Agency at their own cost (Detailed animal passage plan attached herewith)			
2	Drilling of bore well and installation of Solar Pumps connected to PTs	4	5.00	Each	20.000
3	Creation of natural grass lands by uprooting obnoxious weeds and sowing of local grass and maintenance for three years	50	0.35	Per Ha	17.600
4	Raising of pature / Fodder plots with wild grasses including chainlink fence (2 Ha each unit) Including maintenace for 03 years .	4	10.00	Ha	40.000
5	Construction of integrated watch tower with solar pump with PT and a room for protection watchers	2	20.00	Each	40.000
6	Engaging of fire protection watchers for 5 months from January to June for a perious of 5 years and fire tracing on both sides of the road to a width of 10 to 20 mts	5 members x 5 years	3.664	per year	18.320

7	Creation of view lines, of 10 mts, width on either side of the road and maintenance for 5 years (Kms)	20	0.200	per km per year	20.000
8	Mitigation of Man Animal Conflict	5 years	2.000	per year	10.000
9	Monitoring of Wildlife purchase of camera traps	40	0.250	Each	10.000
10	Installation of sign boards at regular intervals of 1 km. to caution the vehicles about animal movement and sensitizing public (Size 8ft x 6ft) and maintainance	12	1.000	Each	12.000
11	Engaging anti poaching (03) Nos for monitoring wildlife for 5 years	5	5.312	per year	26.560
Total					226.090

The year wise mitigation plan is as follows.

SI No	Item of work	Amount (In Lakhs)	YEAR WISE MITIGATION PLAN Rs. in lakhs				
			2024-25	2025-26	2026-27	2027-28	2028-29
1	Implementation of Animal passage plan by constructing underpasses at the locations indicated by DFO, Bhupalpally, duly following the specifications of Wildlife institute of India, Dehradun.		To be executed by the User Agency at their own cost. (Detailed animal passage plan attached herewith)				
2	Drilling of bore well and installation of Solar Pumps connected to PTs	20.000	10.000	10.000	0.000	0.000	0.000
3	Creation of natural grass lands by uprooting obnoxious weeds and sowing of local grass and maintenance for three years	17.600	6.000	6.600	2.000	2.000	1.000
4	Raising of pature / Fodder plots with wild grasses including chainlink fence (2 Ha each unit) Including maintainance for 03 years .	40.000	15.000	15.000	5.000	3.000	2.000
5	Construction of integrated watch tower with solar pump with PT and a room for protection watchers	40.000	20.000	20.000	0.000	0.000	0.000
6	Engaging of fire protection watchers for 5 months from January to June for a perious of 5 years and fire tracing on both sides of the road to a width of 10 to 20 mts	18.320	3.000	3.300	3.630	3.993	4.392
7	Creation of view lines, of 10 mts, width on either side of the road and maintenance for 5 years (Kms)	20.000	10.000	3.000	3.000	2.000	2.000
8	Mitigation of Man Animal Conflict	10.000	2.000	2.000	2.000	2.000	2.000
9	Monitoring of Wildlife purchase of camera traps	10.000	5.000	5.000	0.000	0.000	0.000
10	Installation of sign boards at regular intervals of 1 km. to caution the vehicles about animal movement and sensitizing public (Size 8ft x 6ft) and maintainance	12.000	4.000	4.000	2.000	2.000	0.000
11	Engaging anti poaching (03) Nos for monitoring wildlife for 5 years	26.560	4.350	4.785	5.264	5.790	6.369
12	Administrative cost (5%)	11.610	4.368	4.174	1.145	1.039	0.888
Total		226.090	83.718	77.859	24.038	21.822	18.649

Implementation:

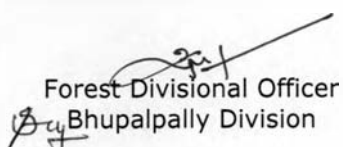
The mitigation measures will be implemented during the construction and operational phases of the project. The User Agency will work closely with the forest department and local communities to ensure the effective implementation of the mitigation measures.

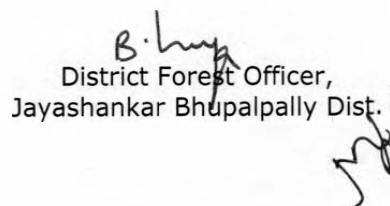
Monitoring and Evaluation:

The effectiveness of the mitigation measures will be monitored and evaluated regularly during the construction and operational phases of the project. The User Agency will work closely with the forest department to monitor the impacts of the project on wildlife and their habitats and to make any necessary adjustments to the mitigation measures.

Conclusion:

The proposed wildlife mitigation plan aims to minimize the impact of the project on wildlife and their habitats by implementing appropriate mitigation measures. The effective implementation of the mitigation measures will help to ensure the sustainable development of the project while safeguarding the biodiversity of the project area.


Forest Divisional Officer
Bhupalpally Division

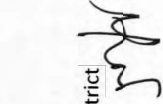

District Forest Officer,
Jayashankar Bhupalpally Dist.

Wildlife Mitigation Plan for diversion of 4.2339 Ha (recommended out of 8.50 Ha proposed) of forest land for widening from single lane road to double lane road from Khammampally to Bhupalpally Road from Km 12/2 to 19/6 in Bhupalpally Division of Jayashankar Bhupalpally District

SI No	Item of work	Qty	Rate	Per	Amount (In Lakhs)	YEAR WISE MITIGATION PLAN Rs. in lakhs				
						2024-25	2025-26	2026-27	2027-28	2028-29
1	Implementation of Animal passage plan by constructing underpasses at the locations indicated by DFO, Bhupalpally, duly following the specifications of Wildlife institute of India, Dehradun.	To be executed by the User Agency at their own cost. (Detailed animal passage plan attached herewith)								
2	Drilling of bore well and installation of Solar Pumps connected to PTs	4	5	Each	20.000	10.000	10.000	0.000	0.000	0.000
3	Creation of natural grass lands by uprooting obnoxious weeds and sowing of local grass and maintenance for three years	50	0.35	Per Ha	17.600	6.000	6.600	2.000	2.000	1.000
4	Raising of pasture / Fodder plots with wild grasses including chainlink fence (2 Ha each unit) Including maintenance for 03 years .	4	10.00	Ha	40.000	15.000	15.000	5.000	3.000	2.000
5	Construction of integrated watch tower with solar pump with PT and a room for protection watchers	2	20	Each	40.000	20.000	20.000	0.000	0.000	0.000
6	Engaging of fire protection watchers for 5 months from January to June for a period of 5 years and fire tracing on both sides of the road to a width of 10 to 20 mts	5 members x 5 years	3.664	per year	18.320	3.000	3.300	3.630	3.993	4.392
7	Creation of view lines, of 10 mts, width on either side of the road and maintenance for 5 years (Kms)	20	0.2	per km per year	20.000	10.000	3.000	3.000	2.000	2.000
8	Mitigation of Man Animal Conflict	5 years	2	per year	10.000	2.000	2.000	2.000	2.000	2.000
9	Monitoring of Wildlife purchase of camera traps	40	0.25	Each	10.000	5.000	5.000	0.000	0.000	0.000
10	Installation of sign boards at regular intervals of 1 km. to caution the vehicles about animal movement and sensitizing public (Size 8ft x 6ft) and maintenance	12	1	Each	12.000	4.000	4.000	2.000	2.000	0.000

Sl No	Item of work	Qty	Rate	Per	Amount (In Lakhs)	YEAR WISE MITIGATION PLAN Rs. in lakhs				
						2024-25	2025-26	2026-27	2027-28	2028-29
11	Engaging anti poaching (03) Nos for monitoring wildlife for 5 years	5	5.312	per year	26.560	4.350	4.785	5.264	5.790	6.369
12	Administrative cost (5%)				11.610	4.368	4.174	1.145	1.039	0.888
	Total				226.090	83.718	77.859	24.038	21.822	18.649


Forest Divisional Officer,
Bijay Bhupalpally Division


District Forest Officer,
Jayashankar Bhupalpally District

Proposals for diversion of 4.2339 Ha (recommended out of 8.50 Ha proposed) of forest land for widening from single lane road to double lane road from Khammampally to Bhupalpally Road from Km 12/2 to 19/6 in Bhupalpally Division of Jayashankar Bhupalpally District

Animal Passage Plan

It is submitted that, the proposals for diversion of forest land for widening from single lane road to double lane road from Khammampally to Bhupalpally Road from Km 12/2 to 19/6 in Bhupalpally Division of Jayashankar Bhupalpally District is processed and submitted with recommendations in Part-II of FC Act format for diversion of 4.2339 Ha forest land which is falling in Tadicherla RF. The proposed length of the road passing in forest area is 7056 meters with a width of 12.00 meters.

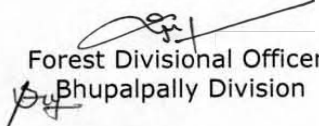
In view of the above, the Prl. Chief Conservator of Forests (HoFF), TS, Hyderabad and Chief Conservator of Forests, Kaleshwaram Circle, JS Bhupalpally has informed that, the Wildlife Institute of India, Dehradun prepared a guidelines document entitled, "Eco friendly measures to mitigate impacts of linear infrastructure on wildlife". According to the guidelines, design and norms for construction of under passes, over passes, visual barriers, sound barriers, sensory enhancers etc., for different landscapes are specified. Accordingly, instructed to submit Animal Passage Plan.

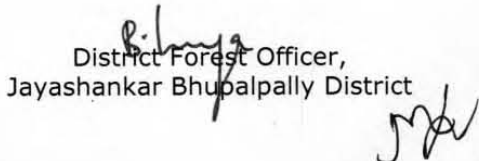
In view of the above guidelines, since the area proposed for diversion is falls in Tadicherla RF and there is movement of tiger and other wildlife in the area is there. The major fauna in the said area are *Bosgaurus* (Indian bison), *Cuanalpinus* (Wild dog), *Melursus ursine* (Sloth Bear), *Hysterixindica* (Porcupine), *Lepusnigricollis* (Hare), *Cervusunicolour* (Sambar), *Axis axis* (Spotted Deer), *Susscropha* (Wild Boar), *Pavocristatus* (Indian Peafowl), *Glaucidiumradiatum* (Jungle Owlet), *Terpsiphone paradise* (Paradise Flycatcher) etc.,

As result of road formation, there will be increase in the speed of vehicles and traffic on the route, hence there is need for construction of (7) No's Animal passages i.e underpasses as per the specific guidelines, designs and norms specific by the Wildlife Institute of India, Dehradun i.e., 6m width, 30.00 mtrs length and height not less than 3.0 Mts for free movement of wildlife. The said underpasses shall be formed by the User Agency with their own cost in the following proposed locations which are suitable for easy crossing of animals, decrease the impact of habitat fragmentation and also for prevention of road kills of wild animals. The details of locations of underpasses proposed are as follows;

Sl No	Latitute	Longitute
1	18.516217	79.809536
2	18.509501	79.807652
3	18.504214	79.807490
4	18.491242	79.813847
5	18.485437	79.818020
6	18.482569	79.819750
7	18.472468	79.827131

Note: Location map enclosed.


Forest Divisional Officer,
Bhupalpally Division


District Forest Officer,
Jayashankar Bhupalpally District

Map showing the proposed under pass across the nala for movement of Wildlife in the proposed Road Khammampally to Bhupalpally



Sl.No	Lat	Long
1	18.516217	79.809536
2	18.509501	79.807652
3	18.504214	79.807490
4	18.491242	79.813847
5	18.485437	79.818020
6	18.482569	79.819750
7	18.472468	79.827131

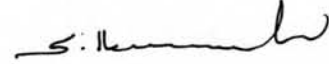
[Signature]
Sub Divisional Officer
Bhupalpally

[Signature]
Forest Range Officer
Koyur Range

[Signature]
Forest Divisional Officer
BHUPALPALLY.

UNDER TAKING

Herewith under taking that the Animal Passage, Structure will be constructed during the formation of Road for diversion of 4.2339 Ha forest land for forwidening from single lane road to double lane road from Khammampally to Bhupalpally Road from Km 12/2 to 19/6 in bhupalpally Division of Jayashankar Bhupalpally District passing of Tadicherla RF of Bhupalpally Division of Jayashankar Bhupalpally District by the Forest Department and as per guidelines designs and norms by the Wildlife, Indian Dehradun.



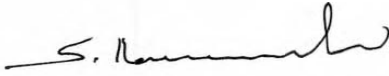
Dy. Executive Engineer
(R&B) Sub Division,
Bhupalpally

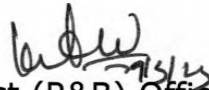


District R & B Officer
(EXECUTIVE ENGINEER)
S. Bhupalpally Mulugu

UNDER TAKING

The chain-link fencing shall be placed on either side of the passages on both sides of road to a length of 100 mtrs in a funnel model for diverted the wildlife towards animal passages for diversion of 4.2339 Ha forest land for widening from single lane road to double lane road from Khammampally to Bhupalpally Road from Km 12/2 to 19/6 in Bhupalpally Division of Jayashankar Bhupalpally District passing of Tadicherla RF of Bhupalpally Division of Jayashankar Bhupalpally District. These (7) Animal Passages for crossing of wildlife safely should be done by the user agency and ensuring the Animal Pass shall be cleaned of debris and maintained free from clogging every (4) months by the User Agency.


Dy. Executive Engineer
(R&B) Sub Division,
Bhupalpally


District (R&B) Officer,
(Executive Engineer)
JS Bhupalpally - Mulugu

Compensatory afforestation scheme for 4.2339 Ha in Sy.No. 1196/1 of Non Forest Land in Kothapally SM village of Bhupalpally Mandal of Jayashankar Bhupalpally District

Diversion of 4.2339 Ha of forest land for widening of single lane road to double lane road from Khammapally to Bhupalpally form km 12/2 to 19/6 in Bhupalpally Division in favour of District R&B Officer, Jayashankar Bhupalpally District

Sl. No	Item of Work	Phy in No/Ha, Rs. In Lakhs	
		Total Outlay	
		Phy	Fin
I	Raising of Plants in Nurseries & their Maintenance		
1	Raising of Primary beds	6774 Nos	0.02655
2	Raising of Bag Plants of 6"x8"	6774 Nos	0.40915
3	Maintenance of Bag Plants of 6"x8"	6774 Nos	0.16095
4	Conversion of bag plants from 6"x8" to 9"x11"	6774 Nos	1.88520
5	Maintenance of Bag Plants of 9"x11"	6774 Nos	0.59835
	Sub Total:		3.08020
II	Planting activities		
6	Advance Operations	4.2339 Ha	7.59138
7	Raising of Plantation	4.2339 Ha	3.38289
8	1st Year Maintenance	4.2339 Ha	2.92139
9	2nd Year Maintenance	4.2339 Ha	1.54961
10	3rd Year Maintenance	4.2339 Ha	1.52420
11	4th Year Maintenance	4.2339 Ha	1.75283
12	5th Year Maintenance	4.2339 Ha	0.80444
13	6th Year Maintenance	4.2339 Ha	0.88489
14	7th Year Maintenance	4.2339 Ha	0.80867
15	8th Year Maintenance	4.2339 Ha	0.88912
16	9th Year Maintenance	4.2339 Ha	0.97803
17	10th Year Maintenance	4.2339 Ha	1.07541
	Sub Total:		24.16286
III	Forest Protection		
18	Erection of 1.00 km chain link fencing around the CA area.	1 Km	28.60000
19	Mobility and supervising of front line staff for better monitoring of improvement of forests and wildlife	1 No	30.00000
	Sub Total:		58.60000
IV	SMC Work		
20	Construction of Percolation Tanks	1 No	3.63000
21	Construction of Mini Percolation Tanks	1 No	1.21000
	Sub Total:		4.84000
	10% Administrative cost		9.06831
	Total year wise outlay of the project		99.75137

Forest Divisional Officer,
Bhupalpally Division

B. Luyga
District Forest Officer
Jayashankar Bhupalpally

13.4.23

Compensatory afforestation scheme for 4.2339 Ha in Sy.No. 1196/1 of Non Forest Land in Kothapally SM village of Bhopalpally Mandal of Jayashankar Bhopalpally District

Division of 4.2339 Ha of forest land for widening of single lane road to double lane road from Khammapally to Bhopalpally form km 12/2 to 19/6 in Bhopalpally Division in favour of District R&B Officer, Jayashankar Bhopalpally District

Sl. No	Item of Work	Phy	2022 - 23		2023 - 24		2024 - 25		2025 - 26		2026 - 27							
			Unit Cost (Rs.)	Phy	Fin (Rs.in Lakhs)	Unit Cost (Rs.)	Phy	Fin (Rs.in Lakhs)	Unit Cost (Rs.)	Phy	Fin (Rs.in Lakhs)	Unit Cost (Rs.)	Phy	Fin (Rs.in Lakhs)				
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
I	Raising of Plants in Nurseries & their Maintenance																	
1	Raising of Primary beds - Unit cost for (1) plant	Plant	0.392	6774	0.392	0.02655												
2	Raising of Bag Plants of 6"x8" - Unit Cost for (1) plant	Plant	6.040	6774	6.040	0.40915												
3	Maintenance of Bag Plants of 6"x8" - Unit Cost for (1) plant	Plant	2.160				6774	2.376	0.16095									
4	Conversion of bag plants from 6"x8" to 9"x11" - Unit Cost for (1) plant	Plant	25.300				6774	27.830	1.88520									
5	Maintenance of Bag Plants of 9"x11" - Unit Cost for (1) plant	Plant	8.030				6774	8.833	0.59835									
Sub Total:						0.43570			2.64450			0.00000			0.00000			0.00000
II	Planting activities (4704 Plants)																	
6	Advance Operations	Ha	1.630				4.2339	1.793	7.59138									
7	Raising of Plantation	Ha	0.660					0.726		4.2339	0.799	3.38289						
8	1st Year Maintenance	Ha	0.518					0.570					4.2339	0.690	2.92139	4.2339	0.366	1.54961
9	2nd Year Maintenance	Ha	0.250					0.275										
10	3rd Year Maintenance	Ha	0.223					0.245										
11	4th Year Maintenance	Ha	0.234					0.257										
12	5th Year Maintenance	Ha	0.097					0.107										
13	6th Year Maintenance	Ha	0.097					0.107										
14	7th Year Maintenance	Ha	0.081					0.089										
15	8th Year Maintenance	Ha	0.081					0.089										
16	9th Year Maintenance	Ha	0.081					0.089										
17	10th Year Maintenance	Ha	0.081					0.089										
Sub Total:						0.00000			7.59138			3.38289			2.92139			1.54961
III	Forest Protection																	
18	Erection of 1.00 km chain link fencing around the CA area.	km	26.000				1	28.600	28.60000									
19	Mobility and supervising of front line staff for better monitoring of improvement of forests and wildlife	No's	30.000							1	30.000	30.00000						
Protection Total						0.00000			28.60000			30.00000			0.00000			0.00000
IV	SMC Work																	
20	Construction of Percolation Tanks	No	3.000							1	3.630	3.63000						
21	Construction of Mini Percolation Tanks	No	1.000							1	1.210	1.21000						
SMC Total						0.00000			0.00000			4.84000			0.00000			0.00000
VI	Administrative Cost - 10% over core activities					0.04357			3.88359			3.82229			0.29214			0.15496
Total year wise outlay of the project						0.47927			42.71947			42.04518			3.21353			1.70457

Compensatory afforestation scheme for 4.2339 Ha in Sy.No. 1196/1 of Non Forest Land in Kothapally SM village of Bhupalpally Mandal of Jayashankar Bhupalpally District
 Diversion of 4.2339 Ha of forest land for widening of single lane road to double lane road from Khammapally to Bhupalpally form km 12/2 to 19/6 in Bhupalpally Division in favour of District R&B Officer, Jayashankar Bhupalpally District

Sl. No	Item of Work	Phy	Unit Cost 2022-23 (Rs.)	2027 - 28			2028 - 29			2029 - 30			2030 - 31			2031 - 32		
				Phy	Unit Cost (Rs.)	Fin (Rs.in Lakhs)	Phy	Unit Cost (Rs.)	Fin (Rs.in Lakhs)	Phy	Unit Cost (Rs.)	Fin (Rs.in Lakhs)	Phy	Unit Cost (Rs.)	Fin (Rs.in Lakhs)	Phy	Unit Cost (Rs.)	Fin (Rs.in Lakhs)
1	2	3	4	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34
I	Raising of Plants in Nurseries & their Maintenance																	
1	Raising of Primary beds - Unit cost for (1) plant	Plant	0.392															
2	Raising of Bag Plants of 6"x8"- Unit Cost for (1) plant	Plant	6.040															
3	Maintenance of Bag Plants of 6"x8" - Unit Cost for (1) plant	Plant	2.160															
4	Conversion of bag plants from 6"x8" to 9"x11" - Unit Cost for (1) plant	Plant	25.300															
5	Maintenance of Bag Plants of 9"x11" - Unit Cost for (1) plant	Plant	8.030															
Sub Total:						0.00000			0.00000			0.00000			0.00000			0.00000
II	Planting activities (4704 Plants)																	
6	Advance Operations	Ha	1.630															
7	Raising of Plantation	Ha	0.660															
8	1st Year Maintenance	Ha	0.518															
9	2nd Year Maintenance	Ha	0.250															
10	3rd Year Maintenance	Ha	0.223	4.2339	0.360	1.52420												
11	4th Year Maintenance	Ha	0.234				4.2339	0.414	1.75283									
12	5th Year Maintenance	Ha	0.097															
13	6th Year Maintenance	Ha	0.097										4.2339	0.209	0.88489			
14	7th Year Maintenance	Ha	0.081															
15	8th Year Maintenance	Ha	0.081															0.80867
16	9th Year Maintenance	Ha	0.081															
17	10th Year Maintenance	Ha	0.081															
Sub Total:						1.52420			1.75283			0.80444			0.88489			0.80867
III	Forest Protection																	
18	Erection of 1.00 km chain link fencing around the CA area.	km	26.000															
19	Mobility and supervising of front line staff for better monitoring of improvement of forests and wildlife	No's	30.000															
Protection Total						0.00000			0.00000			0.00000			0.00000			0.00000
IV	SMC Work																	
20	Construction of Percolation Tanks	No	3.000															
21	Construction of Mini Percolation Tanks	No	1.000															
SMC Total						0.00000			0.00000			0.00000			0.00000			0.00000
VI	Administrative Cost - 10% over core activities					0.15242			0.17528			0.08044			0.08849			0.08087
Total year wise outlay of the project						1.67662			1.92811			0.88488			0.97338			0.88954

Compensatory afforestation scheme for 4.2339 Ha in Sy.No. 1196/1 of Non Forest Land in Kothapally SM village of Bhupalpally Mandal of Jayashankar Bhupalpally District
 Diversion of 4.2339 Ha of forest land for widening of single lane road to double lane road from Khammapally to Bhupalpally form km 12/2 to 19/6 in Bhupalpally Division in favour of District R&B Officer, Jayashankar Bhupalpally District

Sl. No	Item of Work	Phy	2022-23		2032-33		2033-34		2034-35		Total	
			Unit Cost (Rs.)	Phy	Unit Cost (Rs.)	Phy	Fin (Rs.in Lakhs)	Unit Cost (Rs.)	Phy	Fin (Rs.in Lakhs)	Phy	Fin
1	2	3	4	35	36	37	36	37	36	37	36	37
I	Raising of Plants in Nurseries & their Maintenance											
1	Raising of Primary beds - Unit cost for (1) plant	Plant	0.392								0	0.02855
2	Raising of Bag Plants of 6"x8" - Unit Cost for (1) plant	Plant	6.040								0	0.40915
3	Maintenance of Bag Plants of 6"x8" - Unit Cost for (1) plant	Plant	2.160								6774	0.16095
4	Conversion of bag plants from 6"x8" to 9"x11" - Unit Cost for (1) plant	Plant	25.300								6774	1.88520
5	Maintenance of Bag Plants of 9"x11" - Unit Cost for (1) plant	Plant	8.030								6774	0.59835
	Sub Total:				0.00000		0.000			0.000		3.08020
II	Planting activities (4704 Plants)											
6	Advance Operations	Ha	1.630								4.2339	7.59138
7	Raising of Plantation	Ha	0.660								4.2339	3.38289
8	1st Year Maintenance	Ha	0.518								4.2339	2.92139
9	2nd Year Maintenance	Ha	0.250								4.2339	1.54961
10	3rd Year Maintenance	Ha	0.223								4.2339	1.52420
11	4th Year Maintenance	Ha	0.234								4.2339	1.75283
12	5th Year Maintenance	Ha	0.097								4.2339	0.80444
13	6th Year Maintenance	Ha	0.097								4.2339	0.88489
14	7th Year Maintenance	Ha	0.081								4.2339	0.80667
15	8th Year Maintenance	Ha	0.081								4.2339	0.88912
16	9th Year Maintenance	Ha	0.081								4.2339	0.97803
17	10th Year Maintenance	Ha	0.081								4.2339	1.07541
	Sub Total:				0.88912	4.2339	0.97803	0.231	4.2339	1.07541	4.2339	24.16286
III	Forest Protection											
18	Erection of 1.00 km chain link fencing around the CA area.	km	26.000									28.60000
19	Mobility and supervising of front line staff for better monitoring of improvement of forests and wildlife	No's	30.000									30.00000
	Protection Total				0.00000		0.000			0.000		58.60000
IV	SMC Work											
20	Construction of Percolation Tanks	No	3.000									3.63000
21	Construction of Mini Percolation Tanks	No	1.000									1.21000
	SMC Total				0.00000		0.00000			0.00000		4.84000
VI	Administrative Cost - 10% over core activities				0.08891		0.09780			0.10754		9.06831
	Total year wise outlay of the project				0.97803		1.07583			1.18295		99.75137

(Signature)
 Forest Divisional Officer,
 Bhupalpally Division

(Signature)
 District Forest Officer,
 Jayashankar Bhupalpally

1937219/2023/O/o PRINCIPAL CHIEF CONSERVATOR OF FORESTS TELANGANA



भारत सरकार
Government of India
पर्यावरण वन और जलवायु परिवर्तन मंत्रालय
Ministry of Environment, Forest & Climate Change
एकीकृत क्षेत्रीय कार्यालय/Integrated Regional Office
Aranya Bhavan, 3rd floor, Saifabad, Hyderabad-500004, Telangana
E-mail: iro.hyderabad-mefcc@gov.in
Tel: 040-29390053

F.No. 4-TSC160/2019-CHN/144
Date 20th March, 2023

To,

The Special Chief Secretary to the Government,
Environment, Forests, Science & Technology Department,
Telangana State Secretariat, Hyderabad.

Subject: Diversion of 4.2339 ha (revised from 8.50 ha) of forest land for widening the single-lane road to a double-lane road from Khammampally to Bhupalpally from km 1212 to 19/6 in Bhupalpally Division in favour of District R&B Officer, Jayashankar Bhupalpally, District- reg

Reference: The State Government letter No. 2541/For.I(1)/2022 dated 01.02.2023 and online proposal No. FP/TG/ROAD/32933/2018

Madam,

With reference to the subject and reference cited above, it is to inform that, the subject proposal was placed before the 14th REC meeting of IRO, Hyderabad held on 27.02.2023. The Committee examined the proposal and noted the following;

1. The committee inquired about the alternate routes examined by the user agency. As the examination of alternate routes is mandatory as per FC Rules and Guidelines, the user agency is requested to do the needful and submit the details.
2. The Committee examined the Wildlife mitigation Plan submitted by the State Government and observed that the Wildlife mitigation plan does not indicate the inventory of flora and fauna, the impact of the proposed road on the flora and fauna, threats to the existing wildlife and the mitigation measures to reduce possible adverse impacts due to this project. Further, the plan is just given in a tabular form indicating certain works or engagement of people for protection etc. **In view of the above, wildlife mitigation plan may be revised by the SFD as suggested above and submit the revised plan duly approved by the CWLW of Telangana.**
3. The Committee noted that the revised kml file as per the revised area of 4.2339 ha (6 mtrs X 7056.56 mtrs) has not been uploaded online. **Hence, the State Government shall ensure uploading of correct kml file as per the revised forest area proposed for diversion.**
4. The Committee discussed the proposed components in CA scheme like the construction of a meeting hall for the zonal office and the promotion of eco-tourism activities as a Forest Protection component in the CA scheme. After deliberation, the Committee opined that such activities cannot be allowed in the CA scheme as per the CAF Act/Rules. **In view of the above, CA scheme**

Gm/ym
PCCF (FCA)

1937219/2023/O/o PRINCIPAL CHIEF CONSERVATOR OF FORESTS TELANGANA

may be suitably revised and shall upload such revised CA scheme in the online application.

I am directed to request the State Government to take necessary steps to submit the additional information / clarification / updation etc as communicated earlier in full and also the above observations to this office at the earliest for further consideration of the proposal.

Yours faithfully,



(D. Manjunatha)

20/3/2023

Deputy Inspector General of Forests (Central)

Copy to:-

- ✓ The Principal Chief Conservator of Forests (HoFF), Forest Department, Govt. of Telangana, Aranya Bhavan, Saifabad, Hyderabad, PIN- 500 004.
2. Nodal Officer (FCA), Govt. of Telangana, Aranya Bhavan, Saifabad, Hyderabad, PIN- 500 004.
3. O/o Superintending engineer, R & B division, Warangal, Telangana 506343
ceerb.mulug@gmail.com
4. Guard file.



(D. Manjunatha)

20/3/2023

Deputy Inspector General of Forests (Central)

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

Memo.No.2541/For.I(1)/2019

Dated:31.03.2023.

Sub: EFS&T Department – Diversion of **4.2339 Ha** (revised from 8.50 ha) of forest land for widening the single lane road to a double lane road from Khammampally to Bhupalapally from Km 12/2 to 19/6 in Bhupalpally Division in favour of District R&B Officer, Jayashankar Bhupalpally, District – Additional information submitted - Regarding.

FCA



Ref:-1.From the PCCF (HoFF), T.S. Hyd. Rc.No.1574/2018-FCA2, Dt.20.06.2019.

2.Govt. Letter No.2541 /For.I(1)/2019, Dt.26.07.2019.

3.From the PCCF (HoFF), T.S. Hyd. Rc.No.1574/2018-FCA- 2(ii), Dt.26.08.2019.

4.Govt.Lr.No.2541/For.I(1)/2019, Dt:27.11.2019.

5.From the PCCF(HoFF), T.S., Hyd., Rc.No.FC2/FC09/43/2022 (1574/2018-FCA2), Dt:04.01.2023.

6.Govt.Lr.No.2541/For.I(1)/2019, dt:01-02-2023.

7.From the Deputy Inspector General of Forests (Central), GoI, MoEF&CC, IRO, Hyderabad, F.No.4-TSC160/2019-CHN/144, dt.20.03.2023

The attention of the Principal Chief Conservator of Forests (HoFF), Telangana State, Hyderabad is invited to the references cited and a copy of the reference 7th cited is sent herewith to the Principal Chief Conservator of Forests (HoFF), Telangana, Hyderabad and he is requested to furnish information to Government immediately for taking further necessary action in the matter.

M.PRASHANTI,
ADDITIONAL SECRETARY TO GOVERNMENT.

To
✓ The Principal Chief Conservator of Forests (HoFF),
Telangana State, Hyderabad (w.e.).
Sc.

//FORWARDED :: BY ORDER//

SECTION OFFICER.



भारत सरकार
Government of India
पर्यावरण वन और जलवायु परिवर्तन मंत्रालय
Ministry of Environment, Forest & Climate Change
एकीकृत क्षेत्रीय कार्यालय Integrated Regional Office
Aranya Bhavan, 3rd floor, Saifabad, Hyderabad-500004, Telangana
E-mail: iro.hyderabad-mefcc@gov.in
Tel: 040- 29390053

F.No. 4-TSC160/2019-CHN/144
Date 20th March, 2023

The Special Chief Secretary to the Government,
Environment, Forests, Science & Technology Department,
Telangana State Secretariat, Hyderabad.

Subject: Diversion of 4.2339 ha (revised from 8.50 ha) of forest land for widening the single-lane road to a double-lane road from Khammampally to Bhupalpally from km 1212 to 19/6 in Bhupalpally Division in favour of District R&B Officer, Jayashankar Bhupalpally, District- reg

Reference: The State Government letter No. 2541/For.I(1)/2022 dated 01.02.2023 and online proposal No. FP/TG/ROAD/32933/2018

Madam,

With reference to the subject and reference cited above, it is to inform that, the subject proposal was placed before the 14th REC meeting of IRO, Hyderabad held on 27.02.2023. The Committee examined the proposal and noted the following;

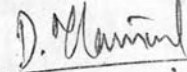
1. The committee inquired about the alternate routes examined by the user agency. As the examination of alternate routes is mandatory as per FC Rules and Guidelines, the user agency is requested to do the needful and submit the details.
2. The Committee examined the Wildlife mitigation Plan submitted by the State Government and observed that the Wildlife mitigation plan does not indicate the inventory of flora and fauna, the impact of the proposed road on the flora and fauna, threats to the existing wildlife and the mitigation measures to reduce possible adverse impacts due to this project. Further, the plan is just given in a tabular form indicating certain works or engagement of people for protection etc. **In view of the above, wildlife mitigation plan may be revised by the SFD as suggested above and submit the revised plan duly approved by the CWLW of Telangana.**
3. The Committee noted that the revised kml file as per the revised area of 4.2339 ha (6 mtrs X 7056.56 mtrs) has not been uploaded online. **Hence, the State Government shall ensure uploading of correct kml file as per the revised forest area proposed for diversion.**
4. The Committee discussed the proposed components in CA scheme like the construction of a meeting hall for the zonal office and the promotion of eco-tourism activities as a Forest Protection component in the CA scheme. After deliberation, the Committee opined that such activities cannot be allowed in the CA scheme as per the CAF Act/Rules. **In view of the above, CA scheme**

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21/3/2023
S.O. Br. P

may be suitably revised and shall upload such revised CA scheme in the online application.

I am directed to request the State Government to take necessary steps to submit the additional information / clarification / updation etc as communicated earlier in full and also the above observations to this office at the earliest for further consideration of the proposal.

Yours faithfully,



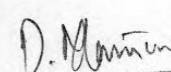
(D. Manjunatha)

20/3/2023

Deputy Inspector General of Forests (Central)

Copy to:-

1. The Principal Chief Conservator of Forests (HoFF), Forest Department, Govt. of Telangana, Aranya Bhavan, Saifabad, Hyderabad, PIN- 500 004.
2. Nodal Officer (FCA), Govt. of Telangana, Aranya Bhavan, Saifabad, Hyderabad, PIN- 500 004.
3. O/o Superintending engineer, R & B division, Warangal, Telangana 506343
eerb.mulug@gmail.com
4. Guard file.



(D. Manjunatha)

20/3/2023

Deputy Inspector General of Forests (Central)

**U.O.Note to Prl. Chief Conservator of Forests & Nodal Officer
(FCA),
O/o the PCCF(HoFF), TS, Hyderabad.**

U.O.Note No. 5870/2021/WL-1,

Dated:28/05/2023

Sub:TSFD- WL - Diversion of 4.2339 Ha of forest land for widening of
- single lane road to double lane road from Khammampally to Bhupalpally from km 12/2 to 19/6 in Bhupalpally division in favour of District R&B Jayashanker Bhupalpally- Wildlife Mitigation Plan and Animal Passage Plan – Communicated – Regarding.

Ref: 1. DFO JS Bhupalpally Rc.No. 300/2018-TO, dated 24.4.2023.
- 2. PCCF office Rc.No.5870/2021/WL-1, dt.11.04.2023.

-o0o-

It is to inform that, the proposal in the subject cited was discussed during the 14th REC meeting and the REC has opined that:

"WL Mitigation Plan shall include details of flora and fauna presence in and around the Forest Area proposed for diversion and mitigation measures shall be prepared according to the requirement as per the species present and their habitat requirement and also include suitable animal passage plan".

Accordingly, the this office in reference 2nd cited, had requested the DFO, JS Bhupalpally to furnish a Wildlife Mitigation Plan and suitable animal passage plan duly following the observations of REC.

As requested by this office, the DFO, JS Bhupalpally vide reference 1st cited has furnished a Wildlife Mitigation Plan for an amount of Rs. 226.090 lakhs and an Animal Passage Plan including construction of 7 underpasses. The Wildlife Mitigation Plan and Animal Passage Plan submitted by the DFO are approved by the Chief Wildlife Warden and are enclosed herewith for taking further necessary action in the matter.

Encl:- As above

Rakesh Mohan Dobriyal
Prl. Chief Conservator of Forests HoFF & Chief
Wildlife Warden (FAC)

Signed by Rakesh Mohan
Dobriyal
Date: 28-05-2023 18:50:40
Reason: Approved

// True Copy //

For Prl. Chief Conservator of Forests


30/5/2023


30/5/23


Wildlife Mitigation Plan for diversion of 4.2339 Ha (recommended out of 8.50 Ha proposed) of forest land for widening from single lane road to double lane road from Khammampally to Bhupalpally Road from Km 12/2 to 19/6 in Bhupalpally Division of Jayashankar Bhupalpally District

SI No	Item of work	Qty	Rate	Per	Amount (In Lakhs)	YEAR WISE MITIGATION PLAN Rs. in lakhs				
						2024-25	2025-26	2026-27	2027-28	2028-29
1	Implementation of Animal passage plan by constructing underpasses at the locations indicated by DFO, Bhupalpally, duly following the specifications of Wildlife Institute of India, Dehradun.				To be executed by the User Agency at their own cost. (Detailed animal passage plan attached herewith)					
2	Drilling of bore well and installation of Solar Pumps connected to PTs	4	5	Each	20.000	10.000	10.000	0.000	0.000	0.000
3	Creation of natural grass lands by uprooting obnoxious weeds and sowing of local grass and maintenance for three years	50	0.35	Per Ha	17.600	6.000	6.600	2.000	2.000	1.000
4	Raising of pature / Fodder plots with wild grasses including chainlink fence (2 Ha each unit) Including maintenance for 03 years .	4	10.00	Ha	40.000	15.000	15.000	5.000	3.000	2.000
5	Construction of integrated watch tower with solar pump with PT and a room for protection watchers	2	20	Each	40.000	20.000	20.000	0.000	0.000	0.000
6	Engaging of fire protection watchers for 5 months from January to June for a perious of 5 years and fire tracing on both sides of the road to a width of 10 to 20 mts	5 members x 5 years	3.664	per year	18.320	3.000	3.300	3.630	3.993	4.392
7	Creation of view lines, of 10 mts, width on either side of the road and maintenance for 5 years (Kms)	20	0.2	per km per year	20.000	10.000	3.000	3.000	2.000	2.000
8	Mitigation of Man Animal Conflict	5 years	2	per year	10.000	2.000	2.000	2.000	2.000	2.000
9	Monitoring of Wildlife purchase of camera traps	40	0.25	Each	10.000	5.000	5.000	0.000	0.000	0.000
10	Installation of sign boards at regular intervals of 1 km. to caution the vehicles about animal movement and sensitizing public (Size 8ft x 6ft) and maintenance	12	1	Each	12.000	4.000	4.000	2.000	2.000	0.000

Sl No	Item of work	Qty	Rate	Per	Amount (In Lakhs)	YEAR WISE MITIGATION PLAN Rs. in lakhs				
						2024-25	2025-26	2026-27	2027-28	2028-29
11	Engaging anti poaching (03) Nos for monitoring wildlife for 5 years	5	5.312	per year	26.560	4.350	4.785	5.264	5.790	6.369
12	Administrative cost (5%)				11.610	4.368	4.174	1.145	1.039	0.888
	Total				226.090	83.718	77.859	24.038	21.822	18.649


Forest Divisional Officer,
Bhupalpal Division


District Forest Officer,
Jayashankar Bhupalpal District


Pri. Chief Conservator of Forests
CWN
9/10/23

Proposals for diversion of 4.2339 Ha (recommended out of 8.50 Ha proposed) of forest land for widening from single lane road to double lane road from Khammampally to Bhupalpally Road from Km 12/2 to 19/6 in Bhupalpally Division of Jayashankar Bhupalpally District

Animal Passage Plan

It is submitted that, the proposals for diversion of forest land for widening from single lane road to double lane road from Khammampally to Bhupalpally Road from Km 12/2 to 19/6 in Bhupalpally Division of Jayashankar Bhupalpally District is processed and submitted with recommendations in Part-II of FC Act format for diversion of 4.2339 Ha forest land which is falling in Tadicherla RF. The proposed length of the road passing in forest area is 7056 meters with a width of 12.00 meters.

In view of the above, the Prl. Chief Conservator of Forests (HoFF), TS, Hyderabad and Chief Conservator of Forests, Kaleshwaram Circle, JS Bhupalpally has informed that, the Wildlife Institute of India, Dehradun prepared a guidelines document entitled, "Eco friendly measures to mitigate impacts of linear infrastructure on wildlife". According to the guidelines, design and norms for construction of under passes, over passes, visual barriers, sound barriers, sensory enhancers etc., for different landscapes are specified. Accordingly, instructed to submit Animal Passage Plan.

In view of the above guidelines, since the area proposed for diversion is falls in Tadicherla RF and there is movement of tiger and other wildlife in the area is there. The major fauna in the said area are *Bosgaurus* (Indian bison), *Cuanalpinus* (Wild dog), *Melursus ursine* (Sloth Bear), *Hysterixindica* (Porcupine), *Lepusnigricollis* (Hare), *Cervusunicolour* (Sambar), *Axis axis* (Spotted Deer), *Susscropha* (Wild Boar), *Pavocristatus* (Indian Peafowl), *Glaucidiumradiatum* (Jungle Owlet), *Terpsiphone paradise* (Paradise Flycatcher) etc.,

As result of road formation, there will be increase in the speed of vehicles and traffic on the route, hence there is need for construction of (7) No's Animal passages i.e underpasses as per the specific guidelines, designs and norms specific by the Wildlife Institute of India, Dehradun i.e., 6m width, 30.00 mtrs length and height not less than 3.0 Mts for free movement of wildlife. The said underpasses shall be formed by the User Agency with their own cost in the following proposed locations which are suitable for easy crossing of animals, decrease the impact of habitat fragmentation and also for prevention of road kills of wild animals. The details of locations of underpasses proposed are as follows;

SI No	Latitude	Longitude
1	18.516217	79.809536
2	18.509501	79.807652
3	18.504214	79.807490
4	18.491242	79.813847
5	18.485437	79.818020
6	18.482569	79.819750
7	18.472468	79.827131

Note: Location map enclosed.

Forest Divisional Officer,
Bhupalpally Division

District Forest Officer,
Jayashankar Bhupalpally District

Prl. Chief Conservator of Forests &
CWS

Map showing the proposed under pass across the nala for movement of Wildlife in the proposed Road Khammampally to Bhupalpally

Legend

The dimensions of the proposed road
Length 7056.00 Mtrs
Width 6.00 Mtrs
Area 42339 Ha

Proposed underpass for WL movement

Sl.No	Lat	Long
1	18.516217	79.809536
2	18.509501	79.807652
3	18.504214	79.807490
4	18.491242	79.813847
5	18.485437	79.818020
6	18.482569	79.819750
7	18.472468	79.827131



Google Earth

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Map © 2025 Mapbox

Dr. Subhakar Reddy
Sub Divisional Engineer
Koyyur Range
Forest Range Officer
Koyyur Range

Forest Divisional Officer
BHUPALPALLY.