

**1. Introduction to the Project:**

1. Public Work Department (PWD) is a department under UT of Jammu and Kashmir. The said Road will be developed and maintained by the said Department.
2. The total length of said Road is about 1.5 km and 700 m length passes through forest area (about 0.42 Ha area).
3. The said Project will benefit about 4500 souls and will connect about 3 villages namely Mubrahkpura, Suhana, Pullulian and its adjoining hamlets will be connected by the construction of this road. The main economic activity of public is agriculture and cattle raring.
4. The forest area required for the non-forest use i.e., Road development is **0.42 ha**. The total capital cost of the project is **Rs 2.08 crore only**.

**2. Objective of Animal Passage Plan Study:**

The objectives of animal passage plan are:


- ❖ To incorporate the needs of wildlife into transportation projects.
- ❖ To maintain the habitat connectivity.
- ❖ To aid in the reduction of human wildlife conflict, improving awareness, safety and reducing collisions.

**3. Project Location and Technical Details:**

Project:	Construction of road from Mian Nagri to Malash Mohalla
Proposal No.	FP/JK/ROAD/155311/2022 (Forest Territorial)
Project Proponent:	PWD (R&B) Division Rajouri
Project Cost of Road:	<b>Rs 2.08 crore only.</b>
Details of forest land involved:	0.42 Ha (Compt. No. 52/R)

- 4. Justification for Proposed route & alternative examined:** The present project road is an existing road alignment which is going to be constructed under NABARD. There is no alternate alignment of the project road. Hence, the diversion of the Forest land is needed to construct the road.

  
Divisional Forest Officer  
Rajouri Forest Division  
Rajouri

  
Wildlife Warden  
Wildlife Division Rajouri-Poonch  
HQ Rajouri

5. **Safeguard for Animal/Wildlife Passage:**

**5.1. Passage Plan:** Animals moves between habitats in order to survive by finding food, mates and areas of refuge. As rural areas continue to expand and road network and traffic increase there is a threat to animals while crossing the roads. All proposals for roads, railway tracks, canals and power lines will now have to include a plan to provide for safe movement of wildlife and allocate budget for animal passages as per NBWL proceedings dated 25<sup>th</sup> January 2018.

**Total Area involved of Road within Forest land: 0.42 Ha (700 m).**

The problem of human wildlife conflict, depriving free flow of habitats will be avoided by the provision of under passage in the form of RCC box. Passage to the wildlife habitats will be provided in the form of under passage by means of RCC box has been proposed after observation of Wildlife Warden Rajouri. One (1) No. of RCC box proposed in the project road is as mentioned below:-

**Table- 1: Showing detail of RCC Box**

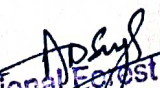
S. No.	Location of Culverts	Span	Latitude	Longitude	Cost (Lakhs)
1.	Km Ist RD (525-550)	7 meter	33° 22' 31.14"	74° 15' 14.17"	35.00 Lakhs


As per observation made in the site visits, wildlife crossings were rarely found in the project stretch involved common land uses around project road include the following:

1. Agriculture
2. Residential

However, it is important to not only consider present development, but also consider future development. The present road is in hilly terrain. Hence, road signages caution regarding animal movement are also proposed for the forest stretch to be installed by user agency along with no honking signs need to be installed.

**5.2. Precaution during road construction:** In order to avoid hindrance for wildlife, the followings are need to be kept in mind during construction:-

  
Divisional Forest Officer  
Rajouri Forest Division  
Rajouri

  
Wildlife Warden  
Wildlife Division Rajouri-Poonch  
HQ Rajouri


**Animal Passage Plan for construction of Road from Mian Nagri to Malash Mallah by PWD (R&B)  
Division Rajouri**

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- Noise levels during the construction phase shall be monitored properly to avoid disturbance, if any to the animals.
- No construction activity shall be undertaken after sunset and during the night.
- No harm to wildlife habitat including fauna and flora shall be ensured by user agency.
- No establishment of any temporary or permanent labour camp inside the forest area.
- Alternate Fuel (LPG) shall be provided to Laborer's for cooking purpose and adequate fire precautions needed.
- Awareness-raising will be done and contractor and his workers shall be informed on the Forest and Nature Conservation Act, Rules and Regulations and copies of these shall be made available to them. Workers shall be made aware of the fines and penalties as well as the risk of job loss for poaching/hunting to avoid such illegal activities.

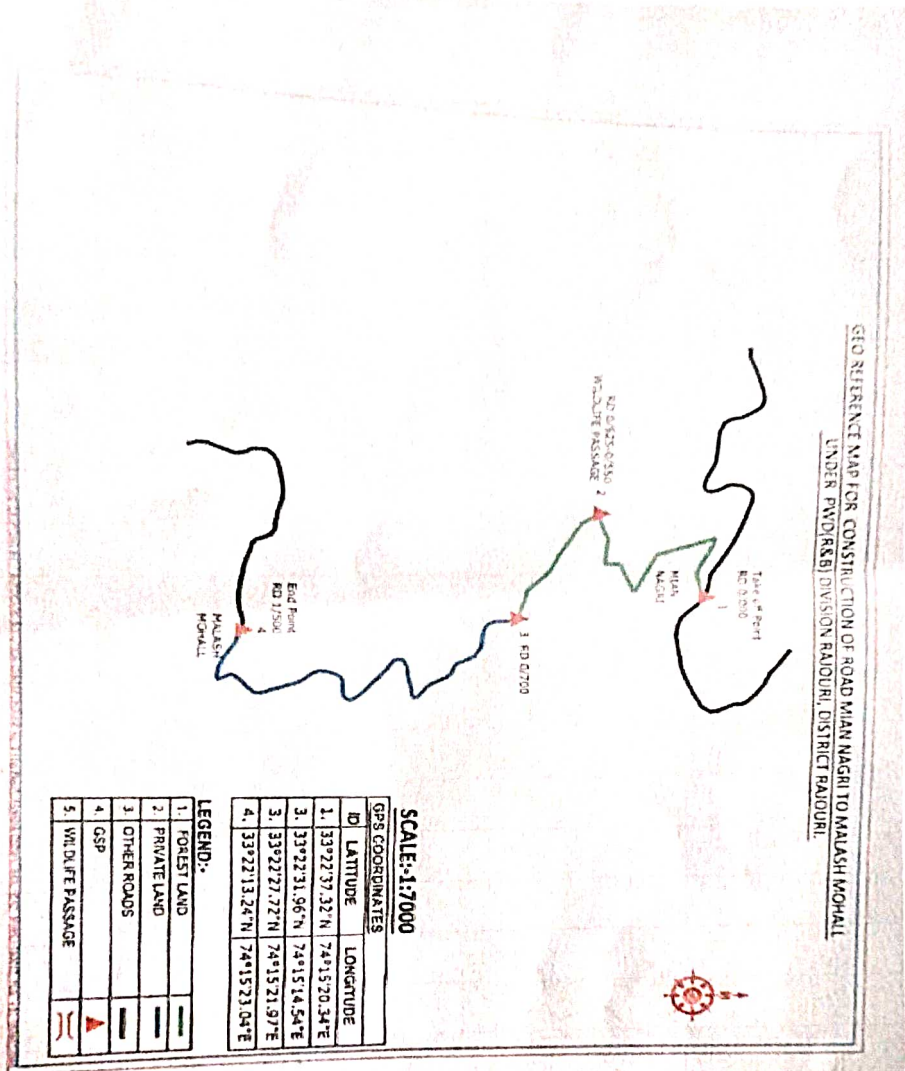
**5.3.Mitigation:** Mitigation for the purpose of this passage plan, is intended to be site specific and practical. The details of the crossings provided is attached in figure 1,2 and 3:

  
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Rajouri Forest Division  
Rajouri

  
Wildlife Warden  
Wildlife Division Rajouri-Poonch  
HQ Rajouri

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 Division Rajouri

**Figure- 1: Location of Animal Crossings**



*Asim*  
 Divisional Forest Officer  
 Rajouri Forest Division  
 Rajouri

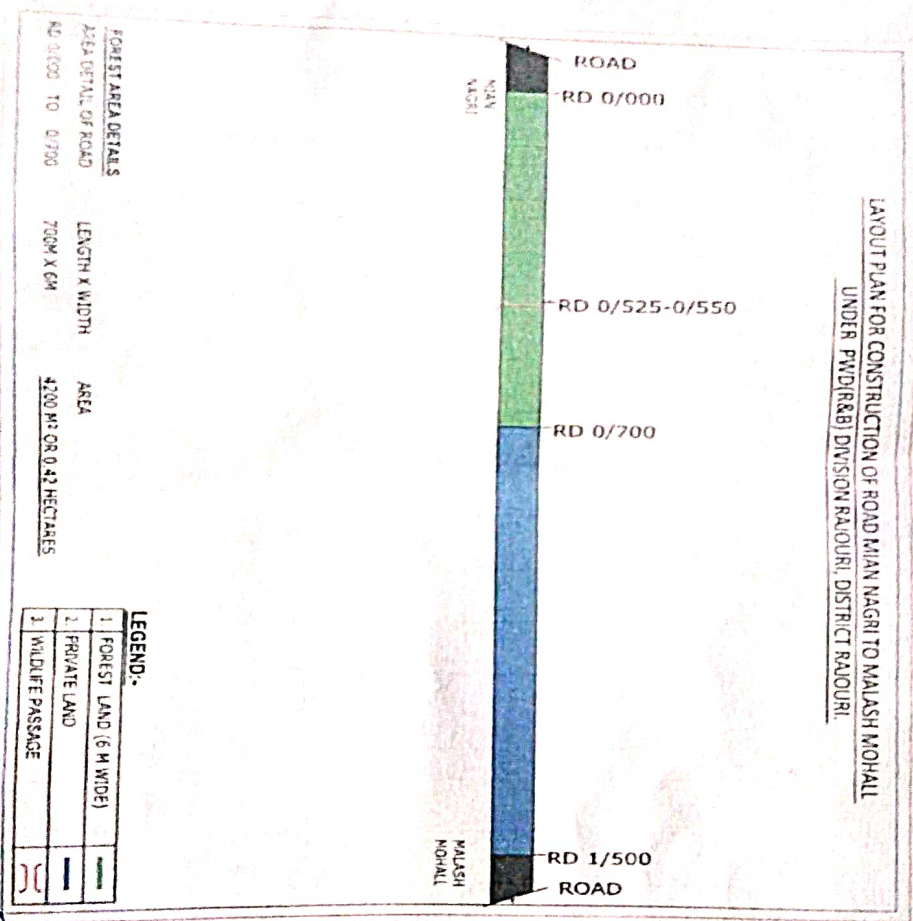
*Atique*  
 PWD (R&B) Division  
 Rajouri

*Asim*  
 Executive Engineer  
 PWD (R&B) Division  
 Rajouri

*Asim*  
 Wildlife Warden  
 Wildlife Division Rajouri-P  
 HQ Rajouri

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 Division Rajouri

Figure- 2: Details of RCC Box



Divisional Forest Officer  
 Rajouri Forest Division  
 Rajouri

*Handwritten signature*

Executive Engineer  
 PWD (R&B) Division  
 Rajouri

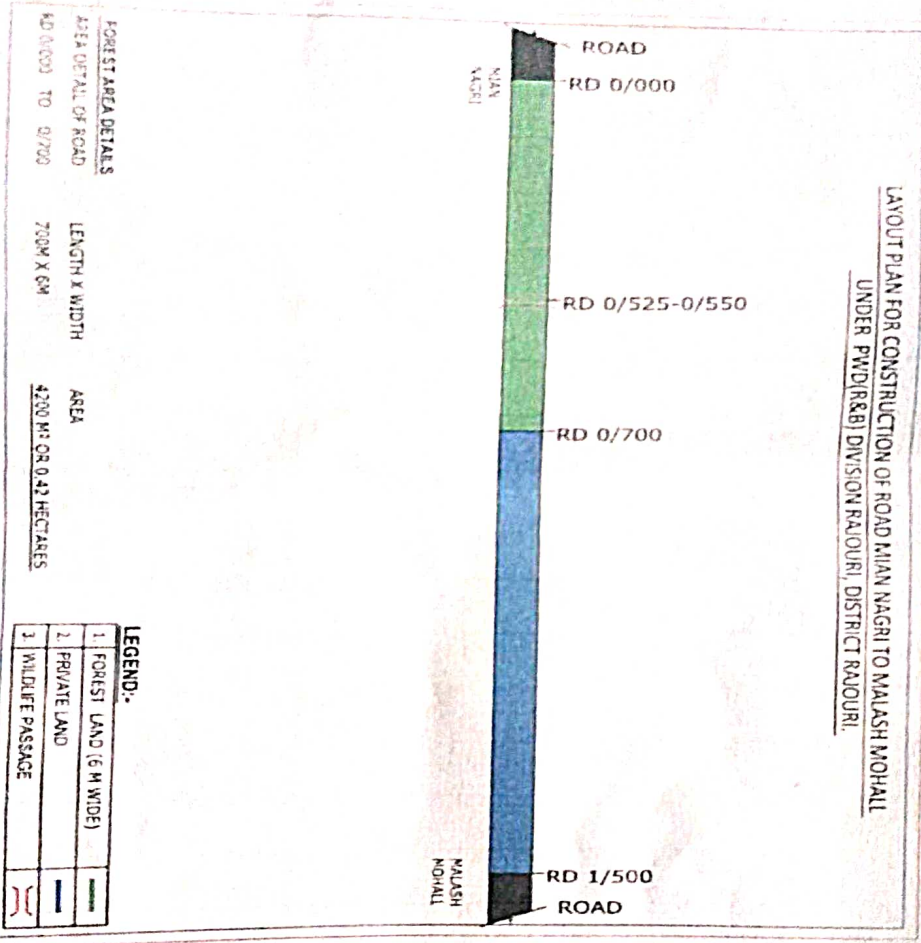
Wildlife Warden  
 Division Rajouri  
 HQ Rajouri

Specifications of 7 m Span RCC Box

- Length = 02 m
- Width = 06 m
- Height = 3.50 m

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Figure- 2: Details of RCC Box



*Signature*  
 Divisional Forest Officer  
 Rajouri Forest Division  
 Rajouri

*Signature*

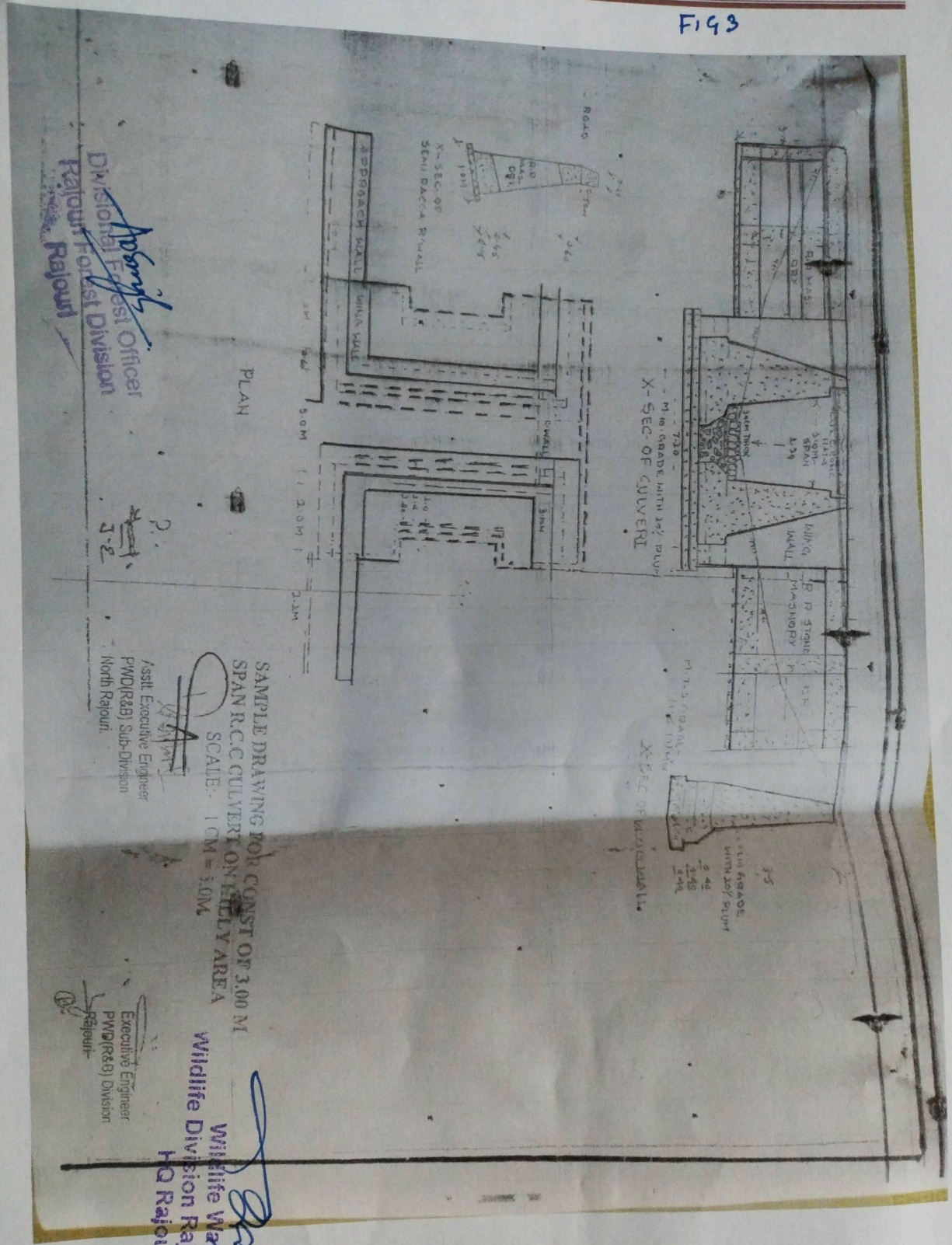
*Signature*  
 Executive Engineer  
 PWD (R&B) Division  
 Rajouri

*Signature*  
 Wildlife Warden  
 Division Rajouri  
 HQ Rajouri

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*Asstt. Executive Engineer*  
Divisional Forest Officer  
Rajouri Forest Division  
Rajouri

*Asstt. Executive Engineer*  
PMD(R&B) Sub-Division  
North Rajouri

SAMPLE DRAWING FOR CONST. OF 3.00 M  
SPAN R.C.C. CULVERT ON HILLY AREA  
SCALE: 1 CM = 5.0M

*Executive Engineer*  
PMD(R&B) Division  
Rajouri

*Wildlife Warden*  
Wildlife Division Rajouri-Poonch  
Hq Rajouri