

Wildlife Mitigation Plan

The diversion of forest land proposed for the Construction of New BG Railway line in Forest Lands in Various Villages of Shimoga and Davangere District in favour of Deputy Chief Engineer, Construction, South Western Railway, Mysuru. The proposed project requires diversion of 38.87 Ha forest land in about 6 villages of Shikaripura Taluk in Sagar division. The proposed area for diversion consists of dry deciduous forest along with wildlife like Leopard (*Panthera pardus*), Sloth bear (*Melursus ursinus*), Jackel (*Canis aureus*), Spotted deer (*Axis axis*), Sambar (*Rusa unicolor*), Muntjac (*Muntiacus muntjac*), Wild boar (*Sus scrofa*), Jungle cat (*Felis chaus*), Peacock (*Pavo cristatus*) and Wild fowl (*Gallus gallus*) etc. Construction of new railway line across the forest area results in the fragmentation of forest land, which intern affect the movement of wildlife in the proposed diversion area.

In the proposed stretch of railway line, the forest staff of Shikaripura Range have identified the wildlife movement and proposed following physical strctures which fecilitates the easy movement of wildlife across the railway and avoid any wildlife casualties due to railway accidents.

In case of considering this project for approval, the following safety/mitigation measures are required to be taken up by the User Agency to the required specification. The proposed physical strctures are

1. Construction of under passes

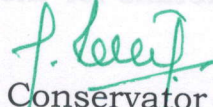
In Gangavvanasara SF (Yarekatte Village Sy. No. 15 & Harogoppa Sy. No. 12) 3 different under passes of 5 meter width are proposed to felicitate the movement of wildlife without crossing railway line. The location details for these proposed underpasses are given as below

Sl. no.	Village	Name of the Reserve Forest	Locality (Sy. No.)	GPS Reading	Proposed Structures
1	Yarekatte	Gangavvanasara S.F.	15	N14.200308 E75.424539	Underpass (5 Mtr width)
2	Yarekatte	Gangavvanasara S.F.	15	N14.198651 E75.424666	Underpass (5 Mtr width)
3	Harogoppa	Gangavvanasara S.F.	12	N14.189291 E75.425202	Underpass (5 Mtr width)

2. Construction of Chianlink Mesh

The construction of railway line through forest area will hinder the movement of wildlife and there is a fair chance of them getting hit by a passing train. In order to prevent any accidents with the wildlife construction of chain link mesh is proposed on either side of the railway track. This chainlink mesh prevents wildlife crossing across the railway tracks and guides them towards the underpasses which are proposed earlier. So total of 3280 running meter length of chainlink mesh is proposed. The location details for these proposed chainlink mesh are given as below

Sl. no.	Village	Name of the Reserve Forest	Locality (Sy. No.)	Length (Mtr)	GPS Reading		Proposed Structure
					Starting Point	Ending Point	
1	Yarekatte	Gangavvanasara S.F.	15	1230	N14.200308 E75.424539	N14.201291 E75.424489	Chainlink Mesh
2	Yarekatte	Gangavvanasara S.F.	15	1230	N14.190500 E75.425540	N14.201331 E75.425162	Chainlink Mesh
3	Harogoppa	Gangavvanasara S.F.	12	400	N14.186837 E75.425188	N14.190132 E75.425171	Chainlink Mesh
4	Harogoppa	Gangavvanasara S.F.	12	420	N14.186863 E75.424539	N14.190050 E75.425540	Chainlink Mesh


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