

No. GM/P/SBC/RVNL/FOREST

Date: 23/09/2019

To,
 The Dy. Conservator of Forests,
 Wildlife & Eco-Tourism (N),
 Panaji- Goa

Sub: Castlerock- Kulem Railway Doubling in the state of Goa.

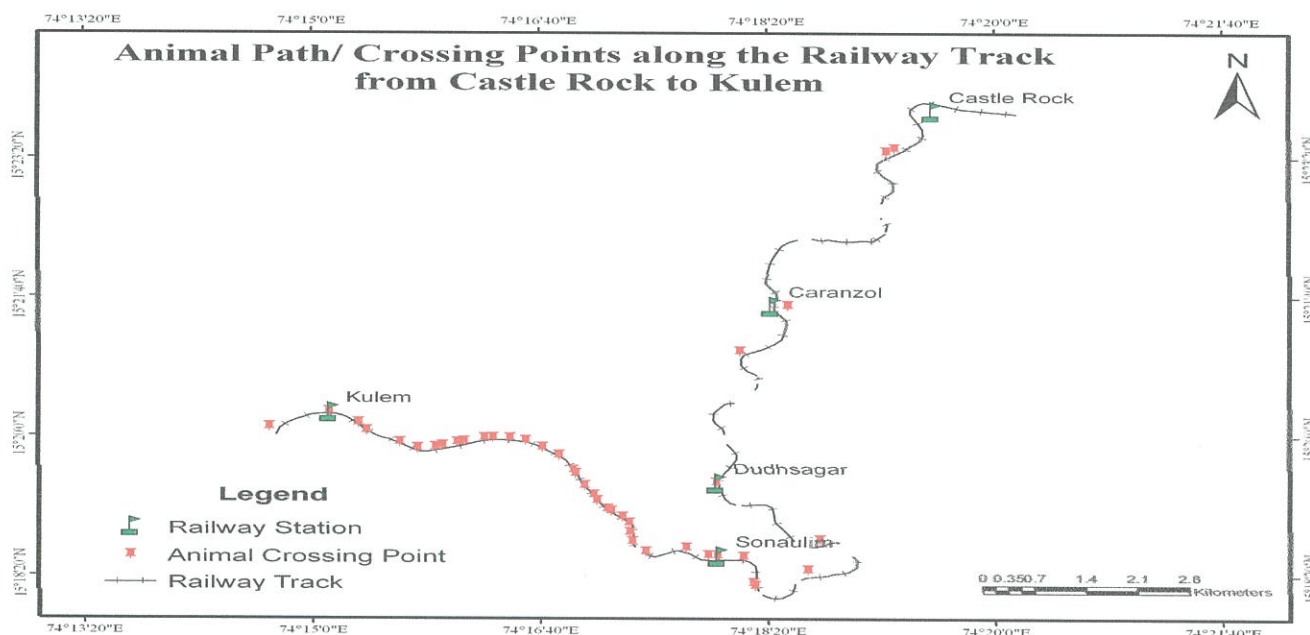
Ref: 1. Proposal No: FP/GA/RAIL/22041/2016

2. Your letter no.1-663/WL & ET(N) 19-20/1251 dated 13.09.19

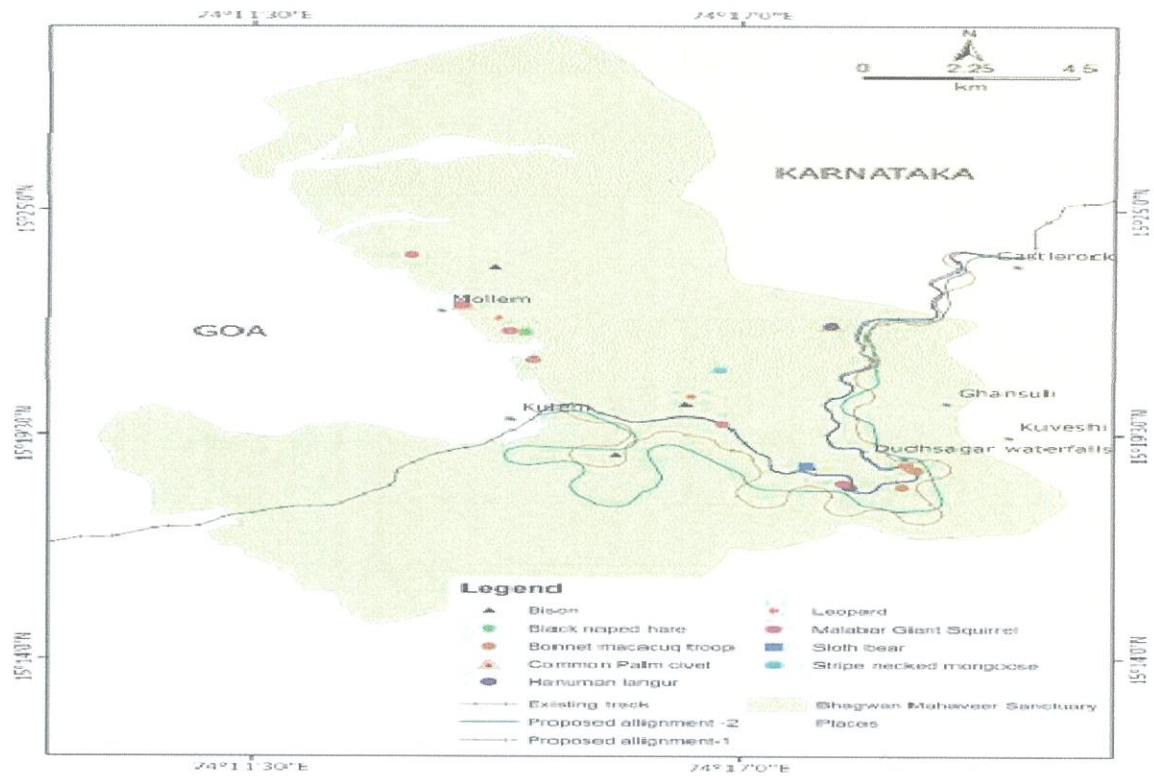
Sir,

With reference to your letter cited above, the following information is furnished for your perusal:

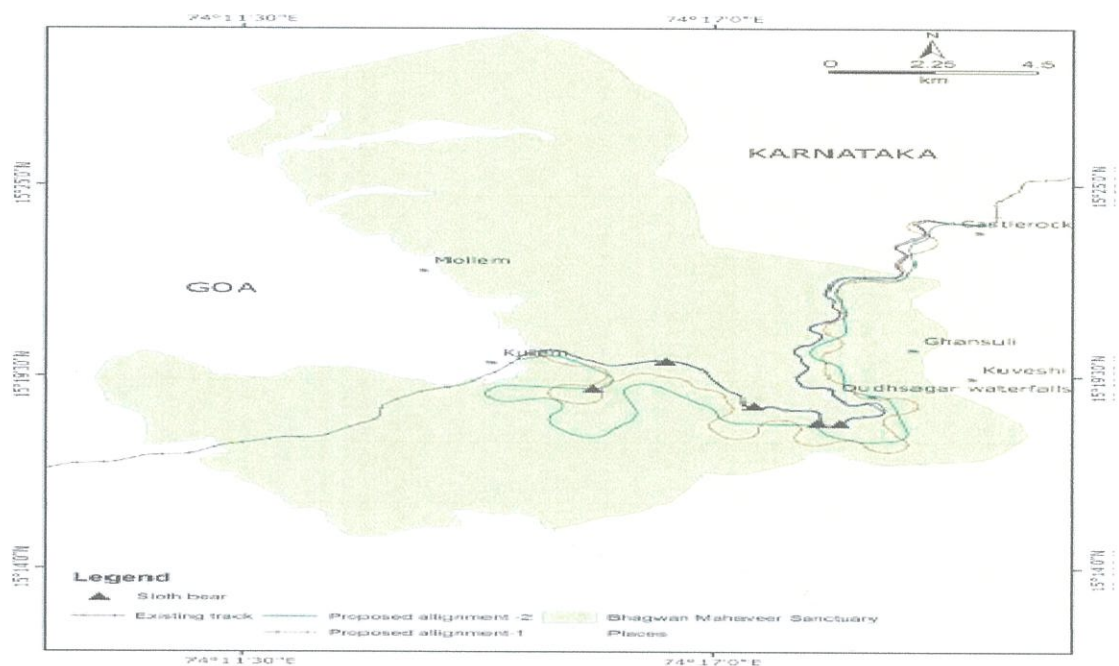
Single line Rail network is available in the Castlerock - Kulem Section as early as from the year 1905. Wild animal habitat of the sanctuary is already moving in packs/single on either side of tracks. There are 114 nos of waterway crossings (minor bridges) and 7 river crossings (Viaducts/Major Bridges) are available in this Railway alignment and as per EIA/ Bangalore report, they are being used by the wild animals of the sanctuary to cross the track: As such there isn't any defragmentation of existing animal population. Extract of EIA report showing animal paths enclosed here with for ready reference please.



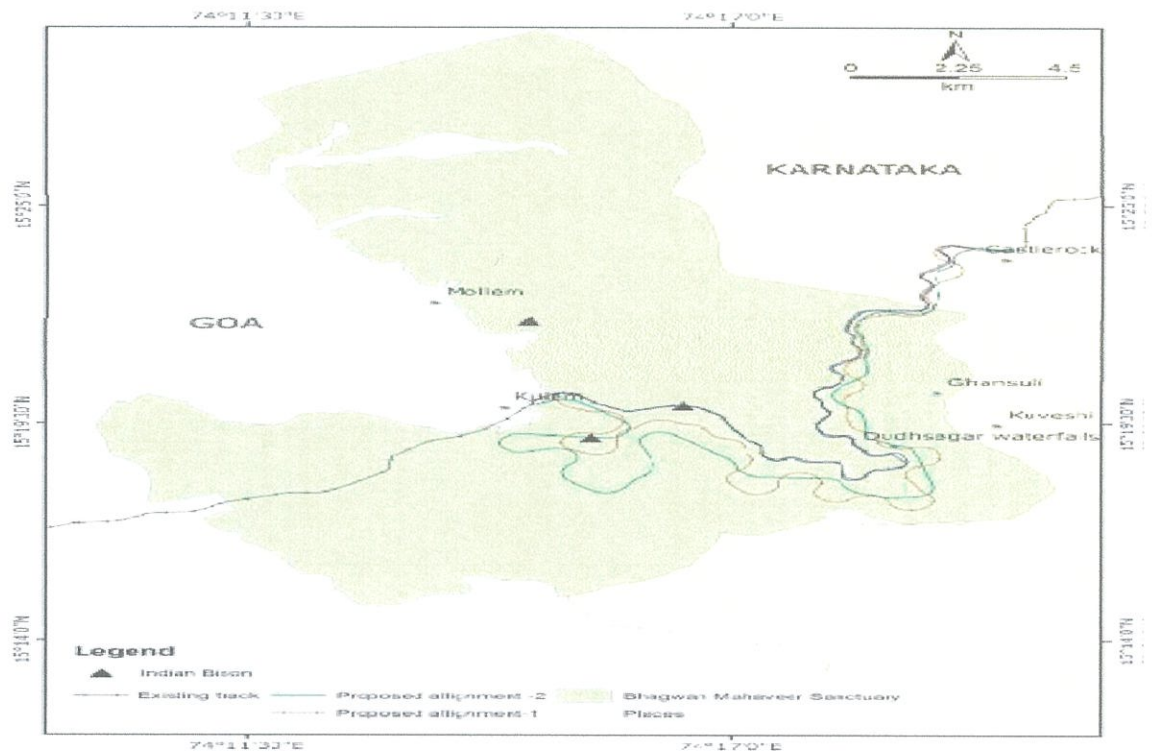
Animal paths/ crossing points / along the railway track between Castlerock and Kulem



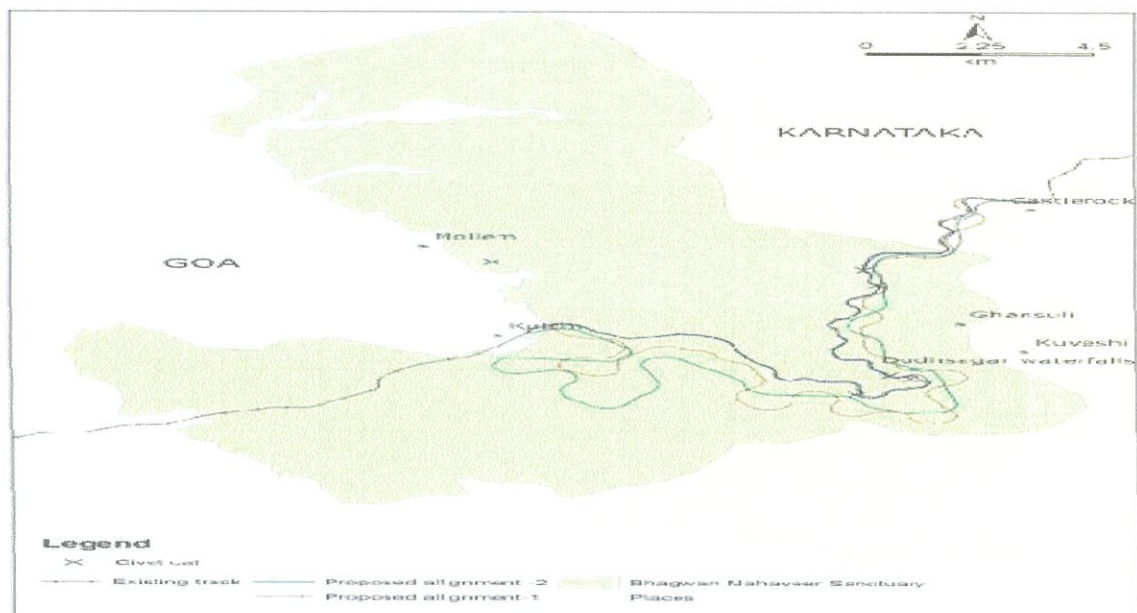
Locations of direct sighting of mammals at Bhagwan Mahavir Wildlife Sanctuary, Goa during the field survey



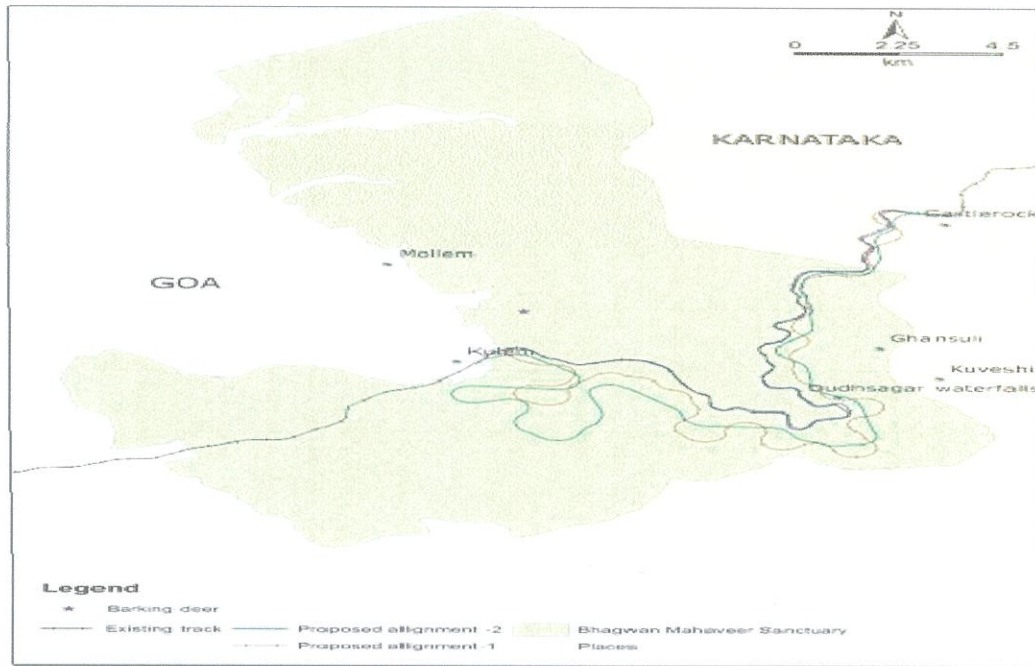
Evidence of Sloth Bear at Bhagwan Mahavir Wildlife Sanctuary, Goa.



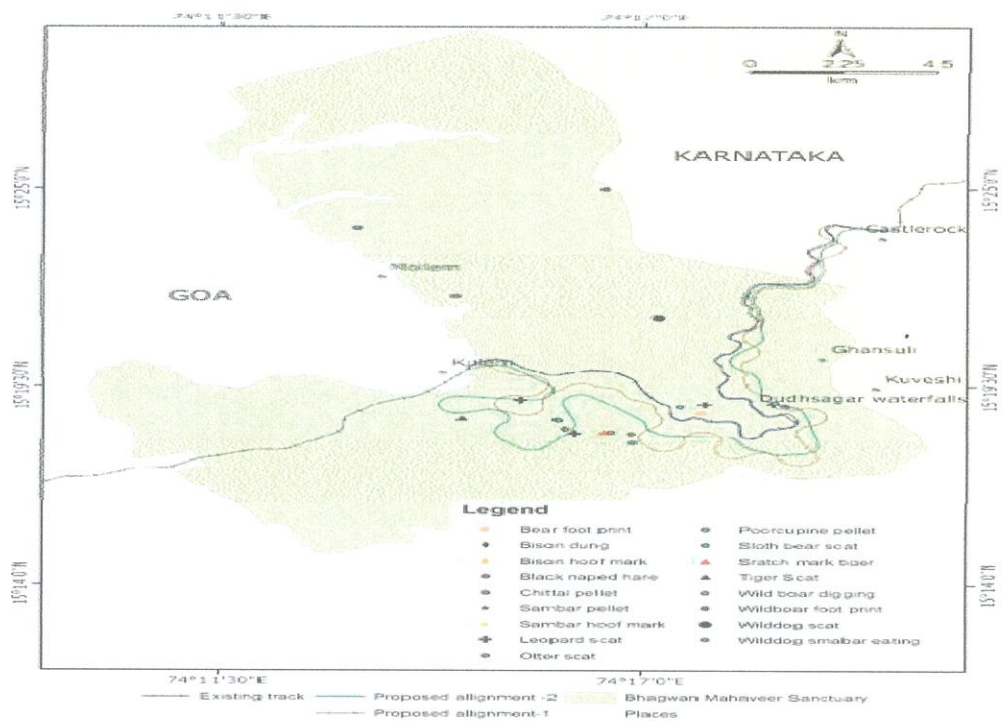
Evidence of Indian gaur at Bhagwan Mahavir Wildlife Sanctuary, Goa.



Evidence of civet cat at Bhagwan Mahavir Wildlife Sanctuary, Goa during field survey



Evidence of barking deer at proposed project site during the field survey



Indirect signs of mammals outside the transects in Bhagwan Mahavir Wildlife Sanctuary, Goa

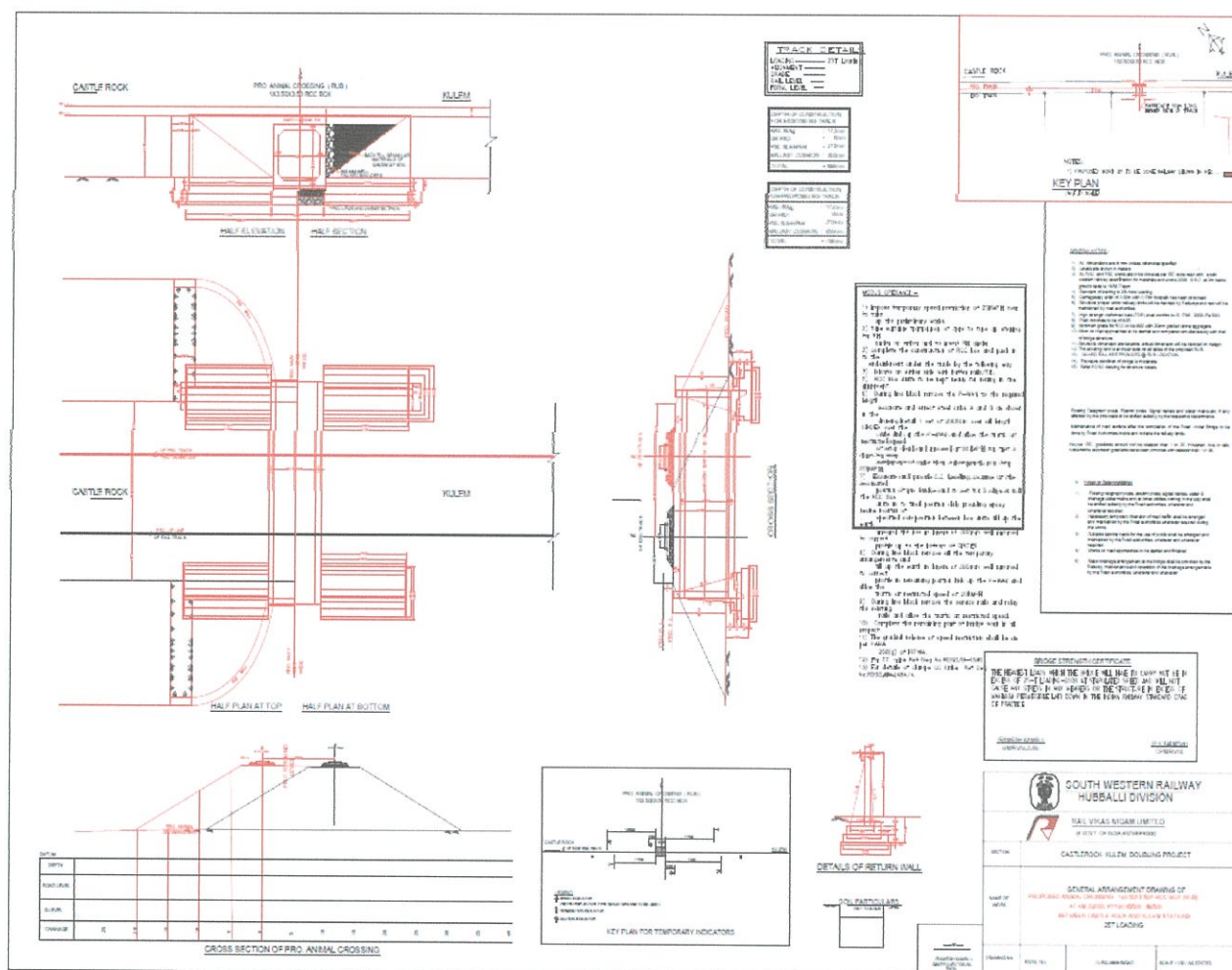
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In the proposed doubling project, all the existing waterway crossings are being extended. As such there will not be any disturbance to existing movement.

Further, to meet the guidelines issued by Institute, National Wildlife and as proposed by IISc Bangalore: four underpasses of 12.0m Wide and 5.65m Height are proposed between Castlerock and Kulem. These proposed locations are also confirmed by the forest officials during their field inspection.

1. Locations of underpasses are as below:

1. @km31/550 - 12.0M*5.65M
2. @km41/075 - 12.0M*5.65M
3. @km 42/800 - 12.0M*5.65M
4. @km 44/565 - 12.0M*5.65M



(B. Chandra Sekhar)
GM/Civil/Bangalore

Encl: Copy of Proposed Underpass

Corporate office
Bangalore office
Field office

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• No.15, 1st Floor, "Vectra House", 1st Main, 6th cross, Gandhinagar, Bangalore-560 009. Ph 080-22342281 Fax: 22342282
• Block A, 3rd Floor, 1 L and L Building, Near Matanhy Saldanha Administrative Building, Margao-Goa PIN-403602..Mob-9108004287.