



मुंबई रेलवे विकास कॉर्पोरेशन लि.  
(भारत सरकार, रेल मंत्रालय का एक सार्वजनिक उपक्रम)

**MUMBAI RAILWAY VIKAS CORPORATION LTD.**  
(A PSU of Govt. of India, Ministry of Railways)

Date: 28/09/2023

No. MRVC/W/LA/PKD/Forest Land

To,  
APCCF Wildlife  
West Zone Mumbai.

Through Dy. Conservator of Forest Alibag.

**Sub:** Diversion of 9.1321 ha of forest land in favour of Mumbai Railway Vikas Corporation Limited for construction of Panvel-Karjat suburban corridor project (Double Railway Line) in Raigad district in the state of Maharashtra

**(Regarding Compliances for Query received for Wild Life Management Plan)**

**Ref:** 1. MRVC's letter no. MRVC/W/LA/PKD/Forest Land dated 22.06.2023.

2. PCCF Wildlife Wild Life Zone Maharashtra state Letter no. कक्ष-२३ (२)/वजी/सर्वे /प्र. क्र. १०३/१११८/२०२३-२४ दिनांक १४/०७/२०२३.

3. APCCF Wildlife West Zone Mumbai letter no. जा. क्र. कक्ष-३/जमीन/FCA प्र. क्र. 84/781/2023-24 दिनांक १४.०७.२०२३.

The Wildlife Management Plan along with the Compliances for the conditions noted was submitted vide reference Sr. 1.

Further, PCCF (Wildlife) Zone Maharashtra state at Nagpur & APCCF (Wildlife West Zone) Mumbai vide there reference letter at Sr. 2 & 3, has raised the queries for the compliances. The details compliances for the query raised by PCCF (Wildlife) Zone Maharashtra state & APCCF (Wildlife West Zone) Mumbai regarding Wildlife Management Plan is as under,

S.no.	Observation	Description of Observation	Compliances
1	2 <sup>nd</sup> Paragraph	After Scrutinizing Technically the Wildlife Management Plan submitted contents only the details of Diversion of Forest Land but the present status of forest land is not mentioned. However, as per Wildlife Management Plan submitted, there is not mentioned regarding the funds availability and locations for	<ul style="list-style-type: none"><li>The site specific 10 years wildlife management plan was prepared in consultation with DCF Alibag and jointly signed by MRVC and DCF Alibag.</li><li>Further meeting was been held with APCCF (Wildlife west) Mumbai on 17.05.2023. Accordingly, Additional Principal Chief Conservator of Forest (Wildlife West) Borivali Mumbai has recommended the</li></ul>

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उप वनसंरक्षक  
लिबाग यांचे कार्यालय

*Oked*

S.no.	Observation	Description of Observation	Compliances
		construction of 8 m high 100 m Chain link fencing, 25 no. trap camera, 3 no. Water Tank & 1 no. Watch Tower etc.	<p>wildlife management plan for approval and sent to PCCF (wildlife Nagpur) on 17.06.2023 for approval.</p> <ul style="list-style-type: none"> <li>Further the query has been raised vide reference letter Sr. no. 2 &amp; 3, the present status of forest land is as under,               <ol style="list-style-type: none"> <li>The work of Tunnel is in progress at site below reserve forest land without disturbance to forest land and Tree cutting.</li> <li>The drawings for the Wildlife Management Plan for 10 years specific Period as a mitigation measures prepared &amp; which shows location of 8 m high 100 m Long Chain link fencing at the start and end of tunnel portal, 25 no. trap camera, 3 no. Water Tank &amp; 1 no. Watch Tower etc. and fund availability status. <b>(Detailed Drawing is enclosed duly signed by user agency and DCF Alibag).</b></li> </ol> </li> </ul>
2	3 <sup>rd</sup> Paragraph	<p>As per Paragraph no. 3, it is mentioned as under,</p> <p>It is mentioned that, for preparation of 25 thousand numbers seedlings (२५ हजार रोपे) Rs. 43,33,820/- has been deposited to the Joint Forest Management Committee (संयुक्त वन व्यवस्थापन समिती ) dt 05/04/2023. However, details should be submitted in this regard (plants of which species, how much and the use of the said plants). Actually the matter should have been a part of the management plan and further action should have been taken after the approval of the plan from the Chief Wildlife</p>	<p>The Details remarks will be furnished by DCF Alibag for onward submission.</p> <p><b>DCF Alibag is requested to submit the details remark.</b></p>



S.no.	Observation	Description of Observation	Compliances
		Warden, State of Maharashtra, but without doing so it is not appropriate to collect the amount without obtaining approval.	

Accordingly, the wildlife Management Plan for specific period of 10 years has been modified duly incorporated the above observations along with the details drawing (**Revised Wildlife Management Plan and Detailed Drawing is Enclosed**).

DCF Alibag is requested to forward the Wildlife Management Plan and Drawing duly endorsed by DCF Alibag to APCCF (Wildlife west) Mumbai for there signature for onward submission to PCCF Wildlife Zone Maharashtra state at Nagpur as per the query raised vide references at 2 & 3.

**DA : 2 Copies of Wildlife Management Plan & 2 Copies of Drawings**



( K. A. Patil)

**Dy. Chief Project Manager - III**



**Diversion of 9.13.21 Ha of Forest Land for the Project of  
Panvel - Karjat Suburban corridor (Doubling Railway Line)  
in Raigad District in the State of Maharashtra. "**

(Proposal No. FP/MH/RAIL/43265/2019).


## **WILDLIFE MANAGEMENT PLAN**



**Project Proponent**

**Mumbai Railway Vikas Corporation Ltd**

**(A Public Sector Undertaking of Govt. of India under Ministry of Railways)**

  
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# Mumbai Railway Vikas Corporation Ltd

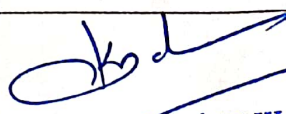
(A Public Sector Undertaking of Govt. of India under Ministry of Railways)

## Introduction

- **MUMBAI RAILWAY VIKAS CORPORATION LTD (MRVC)**, having its corporate office at 2<sup>nd</sup> Floor Churchgate Station Building, Churchgate, Mumbai- 400020, India is a Public Sector undertaking of Government of India under Ministry of Railways (MOR) incorporated under companies Act 1956.
- **MUTP III** was included in the budget of 2015-2016 and it includes double line corridor between Panvel – Karjat Section (29.60 km) on Central Railway. The Union Cabinet chaired by the Prime Minister has approved MUTP phase III on 30.11.2016.

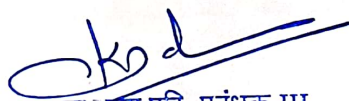
## **1. Project Details**

Short narrative of the proposal and project /scheme for which the forest land is acquired	<p>The Mumbai suburban railway network on the Central Railway has two corridors – i) Main line and ii) Harbour line. The Main line corridor connects Chhatrapati Shivaji Terminus (CSTM) with Kalyan. The Harbour line corridor starts at CSTM and terminates at Panvel.</p> <p>The Navi Mumbai area, especially around Panvel, has witnessed significant urbanization and population growth in recent years. The area between Panvel and Karjat is also developing rapidly and hence there is increasing demand for extending the suburban train services to Karjat. Currently, a single line 29.60 km track connects Panvel with Karjat. It caters only to goods and a few long distance passenger trains. Mumbai Rail Vikas Corporation (MRVC) plans to increase network capacity and improve customer services on this corridor. MRVC has therefore commissioned the services of Omega Analytics to undertake a feasibility study for constructing an additional line between Panvel to Karjat. In view of this, about 9.13.21 Hectore of Forest land is required to be diverted for Doubling Railway Line of this railway having length of 29.60 Km. Which passes through 8 forest villages Belavali, Bhingar, Barvai, Bherale Tal. Panvel, Lodhivali, Vavarle, Tal Khalapur and Kiravali, Vanjale, Tal Karjat, Raigad District.</p>
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ii	Justification for locating the project in forest area	The other all possible alternatives were examined by us the railway alignment is designed keeping the views of topography. The Project alignment Cross the forest land, there is no alternative non forest land available for this purpose. It was decided to take necessary permission Under the provision of forest (conservation) Act 1980, Hence this proposal was submitted for necessary clearance.
iii	Total Forest area	<b>Total forest land required = 9.13.21 ha</b>
iv	Stage - I approval	As per Government of India Ministry of Environment Forest and Climate Change (MOEFCC)'s letter No. FC-II/MH-156/2021-NGP/9777 date : 30.05.2022, Central Government has accorded 'in - Principal' approval under section -2 of the Forest (conservator) Act, 1980 for diversion of 9.1321 hectare of forest land in favour of Mumbai Railway Vikas Corporation Limited for construction of New Panvel - Karjat suburban corridor (Double railway line) in Raigad district in the state of Maharashtra.

  
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2. The Details of statement of Forest land in the Alignment of Panvel - Karjat section  
(Under Forest Conservation Act, 1980)

Abstract of Item-wise Breakup of the Land

SR NO.	VILLAGE NAME	TALUKA NAME	OLD SURVEY NO.	NEW SURVEY NO.	COMPARTMENT NO.	CHAINAGE	SHAPE OF LAND	Length	Width	AREA		STATUS OF FOREST
										SQ. MTR.	HA.	
1	BELAVLI	PANVEL	86	136	-	5561 To 5663	IRREGULAR SHAPE	95.35	16	1525.27	0.15.2527	RESERVE FOREST (SEC 4)
2	BHINGAR	PANVEL	-	26	-	8085 To 8184	IRREGULAR SHAPE	106.63	5	533.16	0.05.3316	RESERVE FOREST (SEC 4)
3	BARVAI	PANVEL	74	58	-	12450 To 13100	IRREGULAR SHAPE	537.41	17	9136.37	0.91.3637	RESERVE FOREST (SEC 4)
4			-	36	-	11565 To 11700		134.5	5	672.64	0.06.7264	PRIVATE FOREST
5			-	35	-	11500 To 11565		68.63	5	344.15	0.03.4415	
6			-	27	-	11130 To 11166		45.14	13	586.903	0.05.86903	
7			-	37	-	11370 To 11495		124.4	5	622.03	0.06.2203	
8	BHERLE	PANVEL	-	41	-	8413 To 8423	IRREGULAR SHAPE	11.5	10	115	0.01.15	PRIVATE FOREST
9			-	42/1A	-	8423 To 8497	IRREGULAR SHAPE	78.7	10	787	0.07.87	PRIVATE FOREST (SEC. 35)
10			-	42/2A	-	8504 To 8551	IRREGULAR SHAPE	46.88	25	1172	0.11.72	PRIVATE FOREST (SEC. 35)
11			-	FOREST	-	8551 To 8647	IRREGULAR SHAPE	108	25	2700.0	0.27.00	RESERVE FOREST

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SR NO	VILLAGE NAME	TALUKA NAME	OLD SURVEY NO.	NEW SURVEY NO.	COMPARTMENT NO.	CHAINAGE	SHAPE OF LAND	Length h	Width h	AREA		STATUS OF FOREST
										SQ. MTR.	HA.	
12	LODHIVALI	KHALAPUR	-	17	-	13951 To 14030	IRREGULAR SHAPE	56.82	23	1306.87	0.13.0687	ACQUIRED PRIVATE FOREST
13	VAVRLE	KHALAPUR	3/7, 3/1	153	-	23100 To 23263	IRREGULAR SHAPE	162.2	24	3893.16	0.38.9316	PRIVATE FOREST (SEC. 35)
14			3/5A	156	-	23332 To 23360		34.38	3	103.14	0.01.0314	RESERVE FOREST
15			15/12A	189	-	23725 To 23881		149.08	24	3577.95	0.35.7795	PRIVATE FOREST (SEC. 35)
16			36/3A	201	-	23925 to 24055		134.71	24	3233.09	0.32.3309	RESERVE FOREST
17			3/4	157	-	23267 To 23332		120.67	24	2896.18	0.28.9618	PRIVATE FOREST (SEC. 35)
18			38/2	207	-	24233 TO 24280		41.66	24	999.92	0.09.9992	
19			38/3a/1	208	-	24280 To 24300		16.69	24	400.74	0.04.0074	
20			38/1	205	-	24194 TO 24249		51.72	24	1241.33	0.12.4133	RESERVE FOREST
21			15/A/16	194	-	23702 TO 23725		21.28	3	63.84	0.00.6384	PRIVATE FOREST (SEC. 35)
22			38/4	210	-	24329 To 24373		43.16	24	1035.84	0.10.3584	RESERVE FOREST
23			36/5,15/A/10	188	-	23881 To 23930		36.41	24	874	0.08.74	PRIVATE FOREST (SEC. 35)
24			38/3A/2	209	-	24294 To 24329		34.7	24	833	0.08.33	
25			3/3	158/A		23315 To 23387		38.66	24	928	0.09.28	
26			36/3	200	-	23928 To 23930		2.5	2	5	0.00.05	

*(Signature)*  
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SR NO	VILLAGE NAME	TALUKA NAME	OLD SURVEY NO.	NEW SURVEY NO.	COMPARTMENT NO.	CHAINAGE	SHAPE OF LAND	Length h	Width h	AREA		STATUS OF FOREST
										SQ. MTR.	HA.	
27			-	166	-	24361 To 24800		424.8 5	24	10196.5 5	1.01.9655	RESERVE FOREST
28			100	26	-	24800 To 25238		680.7 3	24	16337.7	1.63.377	RESERVE FOREST
29			99	25	-	25238 To 25330	IRREGULAR SHAPE	130.7 4	24	3137.96	0.31.3796	RESERVE FOREST
30	KIRAVALI	KARIJAT	92	18	-	25330 To 25600		286.8 8	24.55	11331.9 5	1.13.3195	RESERVE FOREST (SEC 4)
31			114	40	-	25851 To 25936		116.4 4	33	3842.65	0.38.4265	
32	VANJALE	KARIJAT	65/0	170	-	27080 To 27280	IRREGULAR SHAPE	172.1 7	40	6887.16 9	0.68.8716 9	RESERVE FOREST (SEC 4)
TOTAL										91321	9.13.21	

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### ***Factual Position of Construction at site***


1. In the above mentioned forest land. Mostly Tunnel is passing through about 3.3. km length (3 nos. Tunnel) where only permission is required for Govt and private forest.
2. Out of 9.1321 hectare the physical execution of work only in between 4.908 hectare and remaining forest land i.e. 4.2241 hectare only permission taken where where Tunnel passing below forest land and in that portion of no deforesting or any disturbance to forest land and there will be free space for passage of human being and Animals etc and does not breaking any movement path of animals.

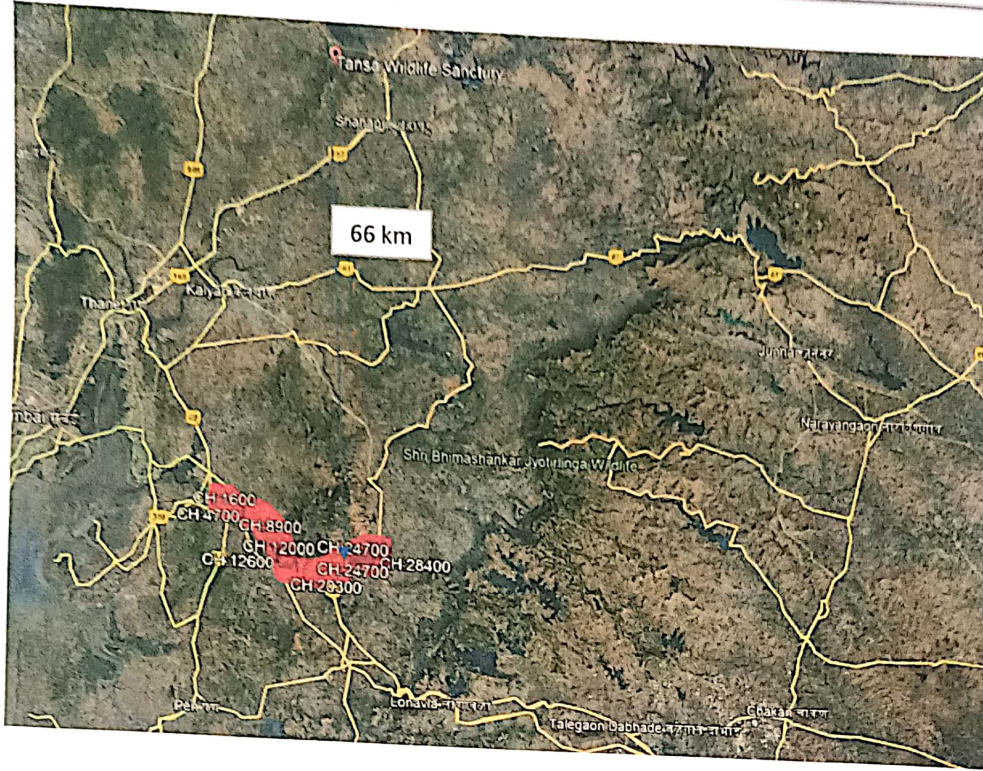
  
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***The following discussion regarding before stage clearance I.***

1. Integrated Regional office/ Nagpur, Ministry of Environment, Forest & Climate Change of Govt. of India had placed the proposal before Regional Empowered Committee (REC) in its meeting held on 16.09.2021.
2. As per Ministry of Environment, Forest & Climate Change, Regional Office, Nagpur's letter No. FC-II/MH-156/2021-NGP/8676, Date: 29. 09. 2021. The information and remark regarding item no. I has been asked, the details are as under,
3. **MOEF & CC Observations-** For detailed examination of proposal comments from PCCF (HoFF)/PCCF (Wildlife), Maharashtra and District Collector, Raigad on any adverse impact of proposal on local Biodiversity /Wildlife/Environment and Mitigation measures therefor needs to be submitted.
4. ***The details justification for proposed detailed examination on any adverse impact of proposal on local Biodiversity /Wildlife/Environment and Mitigation measures therefor needs is as under.***
  - a. The proposed Panvel- Karjat suburban corridor ( Double railway line) in Raigad District is beyond 7.46 kms ( i.e. 11.1 km) of the boundary of the protected area (Sanctuary and National park) Karnal Bird sanctuary- hence need not be affected on local Biodiversity
  - b. The distance of nearest Tansa wild life Sanctuary is 66 km from Proposed forest land detail shown from Tansa wild life Sanctuary is shown on Google map and KMZ file details.

  
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Hence It is seen from the both that, there will not been any adverse impact on local Biodiversity /Wildlife/Environment as the distance is more than 7.46 km and in this project it is about 66 km.

#### 5. Site Inspection, Discussion and Recommendation-

The joint forest site inspection was done on 08.03.2022 vide DCF Alibag Raigad's letter no. ब /२०/जमीन /व सं /४९६१/२०२१-२२ दिनांक ०७.०३.२०२२ at forest land site.

A joint forest site was done on 08.03.2022 along with Deputy conservator of Forest Alibag, Deputy conservator of Forest (wildlife) Thane, concerned RFO and Railway officials.

During site inspection concerned RFO based on his field experience and his office record stated that, the proposed forest land is adjacent to the human habitation and agriculture land and presence of wild animal is not there. Also, incidences of human wildlife conflict are also Nil in the prosed forest land. It was revealed in Joint site Inspection that mitigation measures are not feasible as prosed forest areas for diversion is scattered and in many small patches and absence of wildlife therein.

Considering the facts and discussion during site inspection with forest officials and as per letter DCF (wildlife) Thane's letter no. जमीन /१४८४/2021-22 dated 14.03.2022, it is recommended following.

- To erect chain- link fencing of 8 m height and 100 m length along both sides of the Railway line at both ends of the tunnel (i.e. before starting point and after the end of point of Tunnels) with annual maintenance to avoid entry of any wild animal in the tunnel.
- To install necessary signage/direction boards depicting messages about wildlife conservation and helpline/contact of forest and railway officials to make people

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**aware about wildlife conservation and to tackle situation of human wildlife conflict, if any in the future.**

Accordingly wildlife conservation plan has been forwarded by Principal chief conservator of Forests ( wildlife) Maharashtra state vide his letter no. DESK 23 (2) wildlife /survey/CR 158( Nodal/374/022-23 dated 11.05.2022 to Nodal officer PCCF Nagpur to MOEF & CC for compliance of condition.

The stage I clearance has been obtained As per Government of India Ministry of Environment Forest and Climate Change (MOEFCC)'s letter No. FC-II/MH-156/2021-NGP/9777 date : 30.05.2022. Central Government has accorded ' in – Principal' approval under section -2 of the Forest (conservator) Act, 1980 for diversion of 9.1321 hectare of forest land in favour of Mumbai Railway Vikas Corporation Limited for construction of New Panvel – Karjat suburban corridor (Double railway line) in Raigad district in the state of Maharashtra with standard and general conditions.

As per conditions no. vi in, Stage I approval is requires to be complied before obtaining stage II clearance. The condition no. Vi I as under,

**"User Agency in consultation with State Forest Department shall prepare a site specific 10 years Wildlife Management Plan. The plan so prepared shall be approved by Chief Wildlife Warden and a copy of same shall be submitted to Integrated Regional Office along with the Stage-I compliance"**

1. The compliance for the condition vi has been submitted vide MRVC's letter No. MRVC/W/LA/PKD/Forest Land Date:. 16/07/2022, 20.7.2022 .
2. The regional office MOEF & CC vide there letter no. FC-II/MH-156/2021-NGP/10237 dated 20.09.22 has raised the query of item no. 1 and asked state govt. to submit the information on the shortcomings. The query is as under,

**Site specific 10 years wildlife Management plan duly approved by Chief wildlife warden in compliance to condition no. vi of stage I approval is not submitted along with compliance and the same needs to be submitted.**

The compliances for the same has been submitted with justification based on joint inspection at site carried out along with DCF wild life Thane and DCF Alibag is as under,

The joint site visit for forest land has been carried out on 8.03.2022 alongwith DCF Alibag, and DCF Wild life Thane. The discussion has been held at site regarding the Wild life. Accordingly DCF (Wild life) Thane vide his letter no. जमीन /1484 /2021-22 dated. 14.03.2022. The details are as under,

**"The forest land were the physical work is proposed is adjacent to the Human Habitation and agriculture land and presence of Wild animal is not there, also incidences of Human Wild life conflict are also nil. It was revealed in the joint inspection that mitigation major is not feasible as proposed diversion of forest area for diversion is scattered and in many patches and absent of Wild life. Considering the facts in the proposal, discussions held with forest and Railway officials and based on joint site Inspection, it is recommended to**

erect chain-link fencing of 8m height and 100m length along both sides of the railway line at both the ends of the tunnels (i.e. before starting point and after the end point of the tunnels) with annual maintenance to avoid entry of any wild animal in the tunnel. It is also recommended to install necessary signage/direction boards depicting messages about wildlife conservation and helpline/contact of forest and railway officials to make people aware about wildlife conservation and to tackle situation of human wildlife conflict, if any in the future."

As per query raised by Additional PCCF of Forest Nagpur asked to compliance for condition to submit the site specific 10 years management plan against condition no. vi. Of stage I compliance vide their letter no. Desk-17/Nodal/Thane/ID 12768 (70) 2528/2022-23 Nagpur dated 27.12.2022.

### **To comply this condition no. vi, of stage I clearance,**

**The Discussion regarding requirement of site specific 10 years wildlife management plan with DCF / Alibag on dated 08.03.23. It is discussed that,**

The forest land where the physical work is proposed is adjacent to the Human Habitation and agriculture land and presence of Wild animal is not there, also incidences of Human Wild life conflict are also nil. It was revealed in the joint inspection that mitigation major is not feasible as proposed diversion of forest area for diversion is scattered and, in many patches, and absent of Wild life.

As per recommendation of DCF wild life during his site inspection 14.03.2022. it has decided, to erect chain-link fencing of 8m height and 100m length along both sides of the railway line at both the ends of the tunnels (i.e. before starting point and after the end point of the tunnels) with annual maintenance to avoid entry of any wild animal in the tunnel. It is also recommended to install necessary signage/direction boards depicting messages about wildlife conservation and helpline/contact of forest and railway officials to make people aware about wildlife conservation and to tackle situation of human wildlife conflict, if any in the future. And his mitigation is sufficient for these site specific location

Also as a specific measures for 10 years wild life management plan, the following extra provisions are required as a mitigation measures for future.

The following mitigation measures are to be provided by user agency,

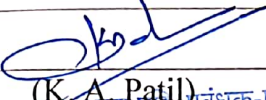

1. The forest area is 11.1 km away from Karnala bird sanctuary century and 66 km away from Tansa wild life sanctuary hence does not affect on local biodiversity. But as a mitigation measures, user agency will provide 25 number CUDDE Back digital brand cameras to capture the wild animals movement in forest department if any.
2. The trap cameras will be supplied by user agency or amount for the same for 25 nos. as an when communicated by DCF Alibag to User agency i.e. MRVC. The MRVC will deposit the amount of 25 cameras or will purchase cameras for supply to DCF Alibag in due course as when the demand received.

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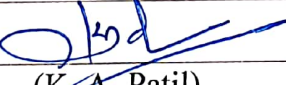

3. The RCC water tanks bodies of 3 nos of size 10 x 5 x 1.5 m will be constructed in deep area of forest over the tunnel portion for the drinking water purposes to animals in forest land as a mitigation measures in permanent nature.
4. One small watch tower will be erected of 5 m ( 20 feet) height in forest area by user agency in top portion of affected forest and for security purpose.

These above mitigations are sufficient for site specific purpose for 10 years management as jointly decided as per the compliance for condition no. vi of stage I approval.

 (K. A. Patil) Dy. Chief Project Manager-III मुंबई रेलवे विकास कॉर्पोरेशन लि. Mumbai Railway Vikas Corporation Limited ( PSU of Govt of India under Ministry of Railway	 (Rahul Patil, IFS) Deputy Conservator of Forest, Alibag Forest Division, Alibag (Ashish Thakare) - IFS
	The Deputy Conservator of Forest Alibag Divisional forest Alibag

**Further Meeting was held on 17.05.23** with APCCF( wild life ) western Zone Mumbai. DCF Alibag and DCF ( wild life ) Thane attended the meeting on line. The 10 years wild life management plan and action to be taken by MRVC has been discussed in the meeting.

The APCCF( wild life ) western Zone Mumbai has requested to MRVC to supply in all total 50 nos trap cameras to DCF Alibag and MRVC has agreed for the same including the above mitigation measures to be taken acquiring body i.e. MRVC Ltd. The wild life Management plan is prepared showing the location of water tanks, watch tower and Chain link fencing at Tunnel ends as per above mitigation measures suggested. **The signed drawing for the same is enclosed showing 10 years wild life management plan.**

 (K. A. Patil) Dy. Chief Project Manager-III मुंबई रेलवे विकास कॉर्पोरेशन लि. Mumbai Railway Vikas Corporation Limited ( PSU of Govt of India under Ministry of Railway	 (Rahul Patil, IFS) Deputy Conservator of Forest, Alibag Forest Division, Alibag (Ashish Thakare) - IFS
	The Deputy Conservator of Forest Alibag Divisional forest Alibag



## CERTIFICATE

### Certificate about distance of project area from Protected Area

This is to certify that, the proposed project for diversion of 9.1321 Ha. of forest area for diversion of forest land for the project of panvel-karjat suburban corridor (Doubling Railway Line) in Raigad Distric is beyond 7.46 Kms. (i.e. 11.1 Kms) of the boundary of the Protected Area (Sanctuary and National Park) Karnala Bird Sanctuary and proposed railway line pass the Matheran eco sensitive Zone.

Place: Alibag.

Date: /11/2019.

(Maneesh Kumar)  
Deputy Conservator of Forests,  
Alibag.

रूप मुख् परि. प्रबंधक-III  
मुंबई रेलवे विकास कॉर्पोरेशन लि.  
Dy. CPM-III  
Mumbai Rly. Vikas Corp. Ltd.



Office of the Deputy Conservator of Forests, Wildlife Thane  
L.B.S Marg, Teen Hath Naka, Naupada, Thane 400 602  
Phone No.022 2540 2522, Fax No.022 2539 2070  
Email : defwlthane@gmail.com

No. 2539/2021-22 Dated- 14-03-2022

To  
Dy. Conservator of Forests (T)  
Alibag Forest Division, Alibag


**Subject:** " Diversion of 9.13.21 Ha of Forest Land for the Project of Panvel - Karjat Suburban corridor (Doubling Railway Line) in Raigad District in the State of Maharashtra."

- Ref:** 1. APCCF Wildlife (West) Letter Out No. Sec-3/Land/FCA/FN 84/2706/ dated 28/01/2022  
2. DCF (T) Alibag Letter Out.No. B/20/Land/F.P./4961/2021-22 dated 07/03/2022  
3. Dy. Chief Project Manager/III Letter No MRVC/W/150/Forest Land dated 10/03/2022

Additional Principal Chief Conservator of Forests (Wildlife) by letter with reference no 1 cited above directed Deputy Conservator of Forests (Wildlife) Thane to present at joint site inspection of Project area along with DCF (T) Alibag and Railway Officials and to guide for preparing Wildlife Conservation Plan. A joint site inspection was arranged on 8<sup>th</sup> March 2022 as per your letter with reference no 2 cited above.

The joint forest site inspection was done on 08.03.2022 in which you along with concerned RFO, field staff and Railway Officials were present. During the site inspection, Project Proponent showed Wild life Conservation Plan which was prepared by the proponent. Discussion was held with Forest and Railway officials present during site inspection on various aspects of the project and its impact on wildlife.


During the Site Inspection, Dy. Chief Project Manager of Project agency said that, out of 9.1321 ha forest area proposed for diversion, tunnels are proposed in 4.2241 ha of forest area. Hence there will be no destruction or fragmentation of wildlife habitat in 4.2241 ha of forest area. Proposed railway line is near and along the existing railway line above ground. whereas the proposed tunnel is not exactly along the existing tunnel. Also, out of 9.1321 ha of proposed forest area for diversion, physical execution of work will be done only in 4.908 ha of forest area.

  
उप मुख्य परि. प्रबंधक-III  
मुंबई रेलवे विकास कॉर्पोरेशन लि.  
Dy. CPM-III  
Mumbai Rly. Vikas Corp. Ltd.

During the site visit, concerned RFO Mr. Bhujbal based on his field experience and his office record stated that, 4.908 ha of forest area where physical execution of work is proposed, is adjacent to the human habitation and agricultural land and presence of wild animals is not there. Also incidences of human wildlife conflict are also NIL in above 4.908 ha of forest area. It was revealed in Joint Site Inspection that mitigation measures are not feasible as 4.908 proposed forest areas for diversion is scattered and in many small patches and absence of wildlife therein.

*Considering the facts in the proposal, discussions held with Forest and Railway officials and based on Joint Site Inspection, it is recommended to erect chain-link fencing of 8m height and 100m length along both sides of the railway line at both the ends of the tunnels (i.e. before starting point and after the end point of the tunnels) with annual maintenance to avoid entry of any wild animal in the tunnel. It is also recommended to install necessary signage/direction boards depicting messages about wildlife conservation and helpline/contact of forest and railway officials to make people aware about wildlife conservation and to tackle situation of human wildlife conflict, if any in the future.*

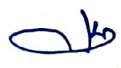
You are requested to make necessary corrections in the plan, by adding above recommendations in the Wildlife Conservation/mitigation Plan. Also, kindly take into consideration various provision of Wildlife corridor and Tiger Conservation Plan, if any, regarding proposed forest area for diversion, before finalizing the Wildlife Conservation Plan submitted by the Project Proponent.

  
(Dr. B N Pingale)  
Dy. Conservator of Forests  
(Wildlife) Thane

Copy to: Additional Principal Chief Conservator of Forest, (Wildlife), Western Region, Maharashtra State, Mumbai for information and for necessary action.

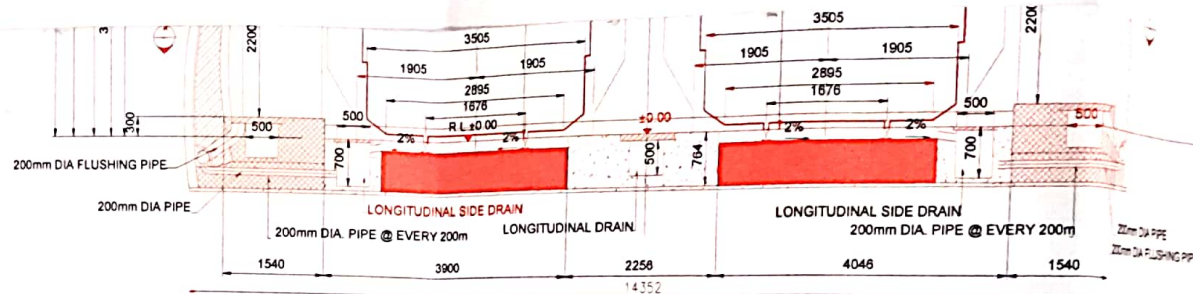
Copy to: Chief Conservator of Forests (T) Thane for information and for necessary action.

Copy to: Dy. Chief Project Manager/III for information and for necessary action.

  
रूप मुख्य परि. प्रबंधक-III  
मुंबई रेलवे विकास कॉर्पोरेशन लि.  
Dy. CPM-III  
Mumbai Rly. Vikas Corp. Ltd.



***END***



TYPICAL CROSS SECTION WITH DRAINAGE DETAILS IN STRAIGHT PORTION AT A-A



MUMBAI RAILWAY VIKAS CORPORATION

THE DRAWING FOR LOCATION OF 3 Nos. RCC WATER TANKS,  
CHAINLINK FENCING & 1 No. WATCH TOWER ON FOREST LAND

**WILDLIFE MANAGEMENT PLAN**  
(THE SITE SPECIFIC FOR 10 YEARS IN CONNECTION WITH  
DIVERSION OF 9.1321 HECTARE FOREST LAND FOR PANVEL  
-KARJAT SUBURBAN CORRIDOR)

DRG NO: MRVC/W/PNVL-KJT/FOREST

28.09.23  
ऊप मुख्य परि. प्रबंधक-III  
मुंबई रेलवे विकास कॉर्पोरेशन लि.  
Dy CPM-III  
Mumbai Railway Vikas Corp. Ltd.

(Rahul Patil, IFS)  
Deputy Conservator of Forest,  
Alibag Forest Division, Alibag

DCF, Alibag

