

**BY SPEED POST**



**GOVERNMENT OF GOA**  
**Office of the Principal Chief Conservator of Forests**  
**“Goa Van Bhawan” Forest Department,**  
**Altinho, Panaji-Goa**

**PH:-0832-2492548, 2492231**

**Email: dcfme-forest.goa@nic.in**

No. 6-857-2024-25-FD/3350

Dated: 12/11/2024

To  
Deputy Director General of Forest (Central)  
Ministry of Environment, Forest & Climate Change  
Government of India  
Regional office (Southern Zone)  
Kendriya Sadan, IVth Floor, E & F Wings  
17<sup>th</sup> Main Road, IInd Block, Koramangala  
Bangalore, 560 034.

Sub: - Diversion of 31.53 ha. of forest land for four laning of existing Goa/Karnatka Border Panaji Goa Section on NH-4A from Km 97.000 to Km 153.075 in the State of Goa on BOT (Toll) basis under NHDP III (Anmod to Panaji Section) in favour of the Executive Engineer, WD- XV (NH), Public Work department, Ponda, Goa-reg.

Ref: MoEF&CC letter no. 4-GOC1239/2020-BAN/779 dated 07.10.2022

Sir,

With reference to the above mentioned subject, I am directed to submit herewith the requisite details viz. details of Compensatory Afforestation, location details, Map/Kml file, Site Suitability Certificate, CA scheme etc. incorporated in Part-II of the proposal (**copies enclosed**) for information and further processing of the proposal.

Further, to inform that the CA details, such as, patch no., name of RF/PF, Range, Compartment No., Kml file of patch etc. could not be uploaded in Part-II of the proposal as the land for CA has been identified in Dharwad Division of Karnataka State. Therefore, in view of the said constraint, it is requested, to kindly take up the matter with the Ministry for necessary uploading on PARIVESH portal.

Yours faithfully,

(Aditya Madanpotra, IFS)  
Dy. Conservator of Forest  
Monitoring & Evaluation

**Encl: As above**

Copy to AIGF (FC), MoEF&CC, New Delhi, 110003, with the request to make necessary provisions for uploading necessary details of CA on PARIVESH when CA is arranged for in other States.

**“Swachh Bharat, Swachh Goa”**



# GEO REFERENCE MAP SHOWING PROPOSED CA LAND

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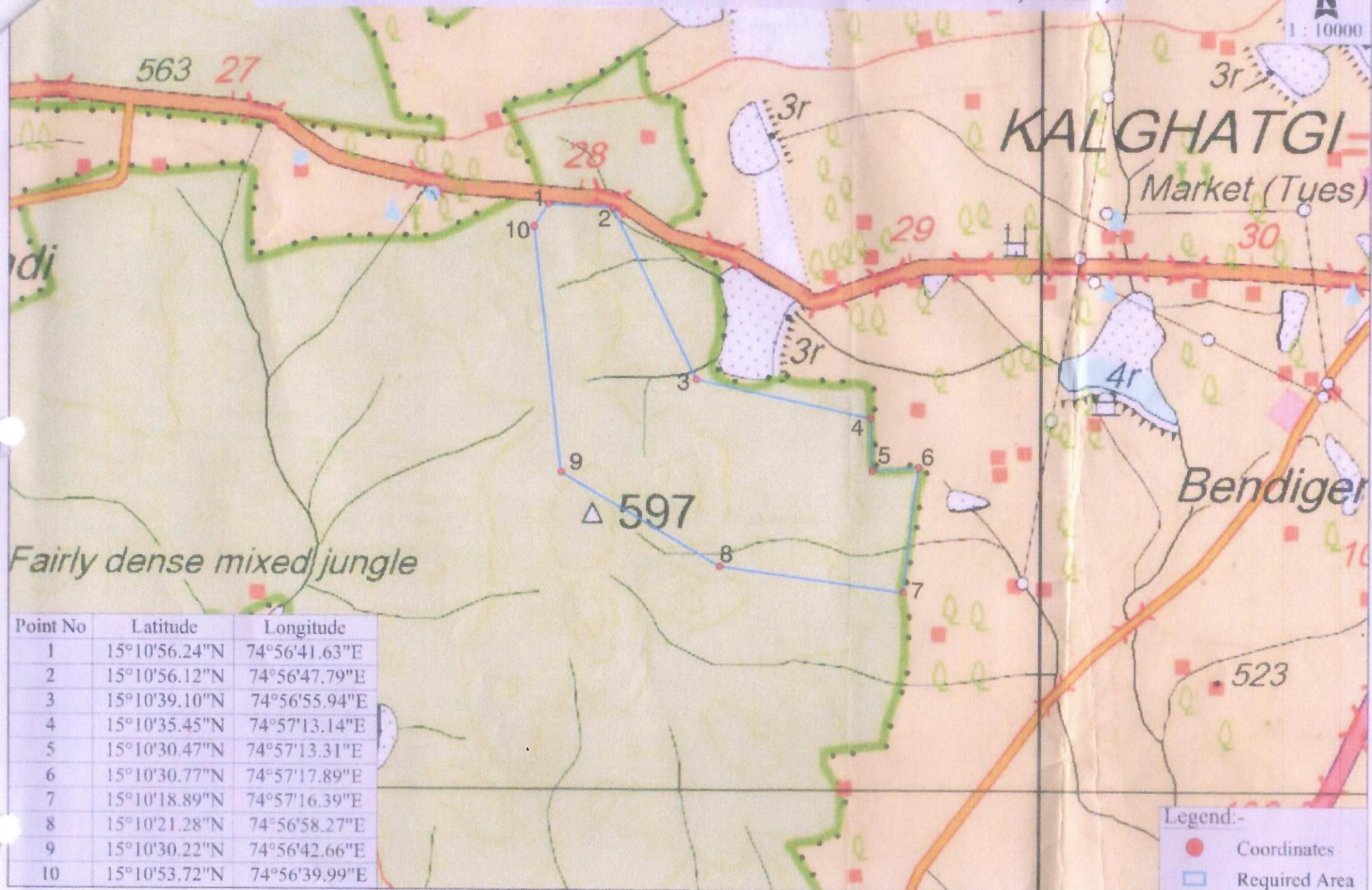
Point No	Latitude	Longitude
1	15°10'56.24"N	74°56'41.63"E
2	15°10'56.12"N	74°56'47.79"E
3	15°10'39.10"N	74°56'55.94"E
4	15°10'35.45"N	74°57'13.14"E
5	15°10'30.47"N	74°57'13.31"E
6	15°10'30.77"N	74°57'17.89"E
7	15°10'18.89"N	74°57'16.39"E
8	15°10'21.28"N	74°56'58.27"E
9	15°10'30.22"N	74°56'42.66"E
10	15°10'53.72"N	74°56'39.99"E

Village	Khalagatagi
Forest Sy.No	167/1A, BI-IX, CNo 4,5,6,7,9
Beat	Khalagatagi Town
Section	Tumari Koppa
Range	Khalagatagi
Extent	63.20Ha



Diversion of 31.53 Ha of forest land of four laning of existing Goa/Karnataka border-Panaji section of NH4A from km 97.000 to 153.075 in the state of Goa (Anmod to Panaji Section).

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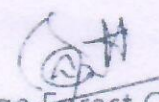


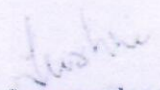


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## LAND SUITABILITY CERTIFICATE

As per the report submitted by Deputy Range Forest Officer Tumarikoppa Section, It is submitted that the site identified in Kalaghatagi village F.Sy. No. 167/a to an extent of 75 ha is area proposed to take up plantation under Model-3. It is certified that Compensatory Afforestation can be carried out in the above location as per the CA scheme guidelines and The land proposed for CA Plantation is free from all encumbrances.

  
Range Forest Officer  
Kalaghatagi Range.

  
Deputy Conservator of Forests,  
Dharwad Dn. Dharwad.



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**Estimate For Raising & Maintenance Of Compensatory Plantation (Based on CSSR For - 2022-23)**  
**Abstract (Amount in Rs) (63.06 Hectares) Kalaghatagi Fsy No 167/A,BI-IX C.No-4,5,6,7,9**

Sl No	Particulars	Advance Work year	Raising Year	1 Year	2 Year	3 Year	4 Year	5 Year	6 Year	7 Year	8 Year	9 Year	10 Year	Grand Total
	<b>PART A : Advance Work</b>													9194148.00
1	Advance Work (including raising of Pbs of 8"x12" Size)	9194148.00												9194148.00
	<b>PART B : Raising of Plantation</b>													5233980.00
1	Raising Plantation in advance Worked area		5233980											564513.12
2	Maintenance of seedling before planting (8"x12" Size Pbs 1200 pbs @ Rs. 7.46 each)		564513.12											165784.74
4	Raising nursery for replacement of casualties next year 10% (8"x12" Size 100 Pbs @ Rs. 26.29 each)		165784.74											2705274.00
	<b>PART C :</b>			2705274										47042.76
1	Maintenance of the plantation during 1st year			47042.76										2251242.00
2	Maintenance of seedlings raised for casualties													2251242.00
	<b>PART D :</b>				2251242									1853964.00
1	Maintenance of plantation during 2nd year													1853964.00
	<b>PART E :</b>					1853964								1853964.00
1	Maintenance of plantation during 3rd year						1853964							1853964.00
2	Maintenance of plantation during 4th year							1853964						548622.00
3	Maintenance of plantation during 5th year								548622					548622.00
	<b>PART F :</b>									548622				548622.00
1	Maintenance of plantation during 6th year									548622				548622.00
2	Maintenance of plantation during 7th year										548622			548622.00
3	Maintenance of plantation during 8th year											548622		548622.00
4	Maintenance of plantation during 9th year												548622	548622.00
5	Maintenance of plantation during 10th year												548622	28466986.62
	<b>Total (A to F)</b>	9194148.00	5964277.86	2752316.76	2251242.00	1853964.00	1853964.00	1853964.00	548622.00	548622.00	548622.00	548622.00	548622.00	41352524.84
i	Total (Part A to F) Amount after taking 10% escalation cost each year (Compounding Factor at 10%)	10113562.80	7216776.21	4683333.61	3296043.41	2905027.56	3264410.32	3642051.35	1176019.98	1293621.98	1422964.16	1565282.99	1721810.85	6202878.73
ii	Soil and Moisture conservation measures 15% on total plantation cost	6202878.73												0.00
iii	Re Surveying, Re Demarkation and other works for section 4 notification (NA - Forest Area)													61995862.50
iv	Chainlink Fencing (Considering 200 meter average periphery) (adopted from Data Sheet of Sandal Estate Model for 20122-23)	61995862.50												109551266.07
	<b>Total 1st year to 10th year (i+ii+iii+iv)</b>													5477563.30
	<b>Administration &amp; Supervision charges @ 5%</b>													115028829.37
	<b>TOTAL</b>	78312304.03												<b>GRAND TOTAL</b> 11,50,29,000

Deputy Conservator of Forests  
Dharwad Division, Dharwad

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**PART-II**

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(To be filled by the concerned Deputy Conservator of Forest)

State Serial No. of proposal : GA-08/2016

**1. Location of the project/Scheme : Goa**

(i)

State / Union Territory : Goa

(ii)

District : North Goa, South Goa

(iii)

Forest Division : North

(iv)

Area of forest land proposed for diversion (in ha.) : 31.53

(v)

Category of the Proposal: Road

**2. Legal status of forest land proposed for diversion :**

S. No.	Division	Forest Land(ha.)	Legal Status
1	North	15.5	Unclassed Forests
2	North	1.73	Private Forest
3	North	14.15	Proposed Reserved Forests (Sec-4 of IFA)
4	North	0.15	Reserved Forest
Total		31.53	

Division 1. : North

**3. District wise area to be diverted in the division :**

S. No.	District	Area(ha.)
1	South Goa	31.53
Total		31.53

**4. Details of Vegetation available in the forest land proposed for diversion :**

(i)

Density of vegetation

S. No.	Area(in ha.)	Density	Eco-Class
1	31.53	0.7	Eco 1
Total.	31.53		

**(ii) Species-wise local/scientific names and girth-wise enumeration of trees at FRL :**

S. No.	Scientific Name	Local Name	(0-30)cm.	(31-60)cm.	(61-90)cm.	(91-120)cm.	(121-150)cm.	(>150)cm.
1	Tectona Grandis	teak	6	60	39	15	6	0
2	Dalbergia Latifolia	shisam	1	10	14	3	6	0
3	Terminalia Tomentosa	matti	92	471	487	324	207	0
4	Terminalia Paniculata	kindal	178	1157	755	250	150	0



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5	Xylia Xylocarpa	jamba	53	110	33	25	13	0
6	Wrigtria Tingtoria	kalo kondo	0	0	2	0	0	0
7	Acacia Ariciloformis	accacia	28	305	97	18	5	0
8	Terminalia bellerica	ghoting	6	22	3	2	9	0
9	Mangifera Indica	mango	0	0	3	3	4	0
10	Lagistromia Lanceolata	nano	5	31	14	11	17	0
11	Albezzia Labbeck	shiras	2	10	4	2	1	0
12	Bombax Ceiba	sawar	3	40	24	25	16	0
13	Grewia Tiliaefolia	daban	3	6	1	4	1	0
14	Mammea Longifolia	surangi	0	3	0	0	0	0
15	Adena Cardifolia	hedu	2	3	2	0	0	0
16	Acacia Catechu	khair	4	9	0	0	0	0
17	Sweitinia Mahagony	mahagoni	0	4	3	0	0	0
18	Alstonia Scholaris	saton	0	1	0	0	3	0
19	Others	misc	215	688	355	176	166	0
20	Others	kumyo	45	179	98	41	30	0
21	Others	kudo	109	181	11	0	2	0
22	Others	kawach	0	3	2	0	1	0
23	Others	karo	9	6	8	0	1	0
24	Others	moi	7	33	16	14	13	0
25	Others	jangli	0	3	1	0	0	0
26	Others	bhindo	0	0	0	0	1	0
27	Others	kumbal	0	0	0	1	0	0
28	Others	kosam	0	1	1	3	2	0
29	Others	karmal	0	3	16	11	4	0
30	Others	omm	0	0	0	1	1	0
31	Others	miryo	0	0	0	0	1	0
32	Others	charcol	0	1	0	0	0	0
33	Others	shankar	0	5	6	3	16	0
34	Others	awali	0	4	1	1	1	0
35	Others	kusko	0	1	0	0	0	0
Total			768	3350	1996	933	677	0
Sub Total (No of Trees.)			7724					

5. Working plan prescription for the forest land proposed for diversion : No Data

6. Brief note on vulnerability of the forest area to erosion : Not Vulnerable

7. Approximate distance of the proposed site for diversion from boundary of forest(in km.) : 0

8. Significance of the forest land proposed for diversion from wildlife point of view :

- (i). Details of wildlife present in and around the forest land proposed for diversion : spotted Deer, Wild Boar, Bison, Hare, Leopard, snakes & avifauna such as Peacock and Jungle Fowl
- (ii). Whether forms part of national park, wildlife sanctuary, biosphere reserve, tiger reserve, elephant corridor, wildlife migration corridor etc. : No
- (iii). Whether the forest land proposed for diversion is located within eco-sensitive zone(ESZ) of the Protected Area notified under Wildlife(Protection) Act, 1972 (Note: In case, ESZ of a Protected Area is not notified, then, 10kms distance from boundary of the Protected Area should be treated as ESZ):  
Yes



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**Details of Protected Area and comments on the impact of Project on the ESZ :** The site is with in the Eco Sensitive zone of Bhagwan Mahavir Wildlife Sanctuary. However since there exists a 2 lane National Highway already and with the safeguards provided by the user agency for wildlife passage etc, the impact on the wildlife shall be Minimum

- (iv). **Whether any national park, wildlife sanctuary, biosphere reserve, tiger reserve, elephant corridor, wildlife migration corridor etc., is located within 1 Km. from boundary of the forest land proposed for diversion : Yes**

**Details and comments on the impact of Project on such areas :** The site is with in the Eco Sensitive zone of Bhagwan Mahavir Wildlife Sanctuary. However since there exists a 2 lane National Highway already and with the safeguards provided by the user agency for wildlife passage etc, the impact on the wildlife shall be Minimum

- (v). **Whether any rare/endangered/unique species of flora and fauna found in the area : No**

9.

**Details of any protected archaeological/heritage site/defence establishment or any other important monument located in the area, if any :**

- (i). **Whether any protected archaeological/heritage site/defence establishment or any other important monument is located in the area : No**

**10. Comment as to the reasonability of the extent of the forest land proposed for diversion :**

- (i). **Whether the requirement of forest land as proposed by the user agency is unavoidable and bare minimum for the project : Yes**

**11. Details of violation(s), if any ,committed :**

- (i). **Whether any work in violation of the Act or guidelines issued under the Act has been carried out : No**

**12. Whether work in violation is still in progres(Yes/No) : No Data**

**13. Details of compensatory afforestation scheme :**

(i).

**Patch wise details for Degraded Area (To be earmarked by DFO)**

(i).

**Total Financial Outlay for C.A(lacs): 115029000**

Patch Wise Details						
S.no	Patch No.	Area(ha.)	Name of PF/RF	Range	Compartment No	Uploaded KML file of patch
NO Data						

(ii).

**Copy of CA scheme details:**



(iii).

**Scanned copy of the Geo-referenced map of the forest land proposed for C.A. prepared by using DGPS or**

**Total Station:**



(iv).

**Copy of Survey of India Toposheet indicating boundary of forest land proposed for C.A.:**



- (v). **Copy of NOC from Competent Authority :**



**Additional information Details :**

S. No.	Documents	Remarks
NIL		





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## 14. District Profile :


S.no	District Name	Geographical area of the district (in ha.)	Forest area of the district (in ha.)	Total forest area diverted since 1980 (in ha.)	No. of Approved Cases	Forest Land including penal C.A. (in ha.)	Progress of compensatory afforestation as on(date)	A) Forest land (in ha.)	B) Non-forest land (in ha.)
1	North Goa	173600	57604	429.304	60	1415.312	31/12/2015	627.84	14.2940

## 15. Site inspection report of the DFO/CCF/Nodal Officer highlighting important facts pertaining to the forest land :

Division Name	Circle	Site inspected By	Whether site inspected	No. of times site visited	Site inspection report	Date of visit
North	Conservation	DFO	Yes	One		12/06/2017
	Conservation	CF	Yes	One		26/07/2019

(Specific recommendation of the DFO/CCF/Nodal Officer with(Part II,III & Part IV))

## 16. Specific recommendation of the DFO/CCF/Nodal Officer for acceptance or otherwise of the proposal with reason :

Division	Circle	Recommendation By	Recommendation	Reason	Letter	Whether CF agreed
North	Conservation	DFO	Recommended	Total forest area required for the said project is 31.53 ha out of which 1.73 ha is a private forest area. Enumeration of trees has been carried out within the forest land proposed for diversion and a total of 8102 nos. number of trees are found. The overall average canopy density of the area is about 7. proposed forest area for diversion. The site is not prone to soil erosion. The nearest distance from the boundary of Bhagwan Mahavir Wildlife Sanctuary is at 0.60 km and hence part of the proposed road falls inside Eco Sensitive Zone Area. However with certain conditions, since the requirement		



				of Forest land is bare minimum and the project being site specific with no alternate available, in larger public interest, the diversion of 31.53 ha of Forest area is recommended to the user agency.	
	Conservation	CF	Recommended	Considering the importance of the project and the future requirement of the State, the diversion is recommended.	Yes
		Nodal Officer	Recommended	Recommended as it is important public utility project of the State and it aims for improvement of traffic movement from neighbouring States.	

### Specific recommendation of the State Government(Part V)

17.

Specific recommendation of the State Government for acceptance or otherwise of the proposal with reason ( Part V ) :

State	Recommendation By	Recommendation	Recommendation Date	Remarks	Signing Authority	Notification	Recommendation Letter
Goa	State Secretary	Recommended	18/04/2020	Recommended in Public Interest	State Govt. Officer	No Data	

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